

CASEFILE **EARTH** RESOURCES

INDEXES BIBLIOGRAPHY CONTINUING WITH

ISSUE 3

MAY 1975

PREVIOUS EARTH RESOURCE BIBLIOGRAPHIES

Remote Sensing of Earth Resources (NASA SP-7036)

Remote Sensing of Earth Resources (NA SA SP-7036(01))

Earth Resources

(NA SA SP-7041(01))

Earth Resources

(NA SA SP-7041(02))

This bibliography was prepared by the NASA Scientific and Technical Information Facility operated for the National Aeronautics and Space Administration by Informatics Information Systems Company.

EARTH RESOURCES

A Continuing Bibliography With Indexes Issue 3

A selection of annotated references to unclassified reports and journal articles that were introduced into the NASA scientific and technical information system and announced between July 1974 and September 1974 in:

- Scientific and Technical Aerospace Reports (STAR)
- International Aerospace Abstracts (IAA).



INTRODUCTION

The technical literature described in this continuing bibliography may be helpful to researchers in numerous disciplines such as agriculture and forestry, geography and cartography, geology and mining, oceanography and fishing, environmental control, and many others. Until recently it was impossible for anyone to examine more than a minute fraction of the earth's surface continuously. Now vast areas can be observed synoptically, and changes noted in both the earth's lands and waters, by sensing instrumentation on orbiting spacecraft or on aircraft.

This literature survey lists 472 reports, articles, and other documents announced between July and September 1974 in Scientific and Technical Aerospace Reports (STAR), and International Aerospace Abstracts (IAA).

The coverage includes documents related to the identification and evaluation by means of sensors in spacecraft and aircraft of vegetation, minerals, and other natural resources, and the techniques and potentialities of surveying and keeping up-to-date inventories of such riches. It encompasses studies of such natural phenomena as earthquakes, volcanoes, ocean currents, and magnetic fields; and such cultural phenomena as cities, transportation networks, and irrigation systems. Descriptions of the components and use of remote sensing and geophysical instrumentation, their subsystems, observational procedures, signature and analyses and interpretive techniques for gathering data are also included. All reports generated under NASA's Earth Resources Survey Program for the time period covered in this bibliography will also be included. The bibliography does not contain citations to documents dealing mainly with satellites or satellite equipment used in navigation or communication systems, nor with instrumentation not used aboard aerospace vehicles.

The selected items are grouped in nine categories. These are listed in the Table of Contents with notes regarding the scope of each category. These categories were especially chosen for this publication, and differ from those found in STAR and IAA.

Each entry consists of a standard bibliographic citation accompanied by an abstract. The citations and abstracts are reproduced exactly as they appeared originally in STAR, or IAA, including the original accession numbers from the respective announcement journals. This procedure, which saves time and money, accounts for the variation in citation appearance.

Under each of the nine categories, the entries are presented in one of two groups that appear in the following order:

IAA entries identified by accession number series A74-10,000 in ascending accession number order.

STAR entries identified by accession number series N74-10,000 in ascending accession number order:

After the abstract section, there are five indexes:

subject, personal author, corporate source, contract number and report /accession number.

AVAILABILITY OF CITED PUBLICATIONS

IAA ACCESSIONS (N74-10000 Series)

Publications announced in IAA, that are cited in this publication, are available from the Technical Information Service, American Institute of Aeronautics and Astronautics, Inc. (AIAA) as follows:

Paper copies are available at \$5.00 per document up to a maximum of 20 pages. The charge for each additional page is 25 cents. Microfiche (1) are available at the rate of \$1.50 per microfiche for documents identified by the "#" symbol following the accession number. A number of publications, because of their special characteristics, are available only for reference in the AIAA Technical Information Service Library. Minimum airmail postage to foreign countries is \$1.00. Please refer to the accession number, e.g. A74-10763, when requesting publications.

STAR ACCESSIONS (N74-10000 Series)

Publications announced in *STAR*, that are cited in this publication, are available as indicated by the availability line in the citation. The most commonly indicated sources and their acronyms or abbreviations are listed below. The mailing addresses of these organizations are listed on page vi.

Avail: NTIS. Sold by the National Technical Information Service to U.S. customers at the price shown in the citation following the letters HC (hard, paper, or facsimile copy). Customers outside the U.S. should add \$2.50 per copy for handling and postage charges to the price shown. (Prices shown in earlier STAR volumes, 1962-1974, have been superseded but may be calculated from the number of pages shown in the citation. The price schedule by page count was given in the last STAR issue of 1974 or may be obtained from NTIS.)

Microfiche is available at a standard price of \$2.25 (plus \$1.50 for non-U.S. customers) regardless of age for those accessions followed by a "#" symbol. Accession numbers followed by a "+" sign are not available as microfiche because of size or reproducibility.

Initially distributed microfiche under the NTIS SRIM (Selected Research in Microfiche) is available at greatly reduced unit prices. For this service and for information concerning subscription to NASA printed reports, consult the NTIS Subscription Unit.

NOTE ON ORDERING DOCUMENTS: When ordering NASA publications (those followed by the "*"symbol), use the N accession number.

NASA patent applications (only the specifications are offered) should be ordered by the US-Patent-Appl-SN number.

Non-NASA publications (no asterisk) should be ordered by the AD, PB, or other report number shown on the last line of the citation, not by the N accession number. It is also advisable to cite the title and other bibliographic identification.

Avail: SOD (or GPO). Sold by the Superintendent of Documents, U.S. Government Printing Office, in hard copy. The current price and order number are given following the availability line. (NTIS will fill microfiche requests, at the standard \$2.25 price, for those documents identified by a "#" symbol.)

⁽¹⁾ A microfiche is a transparent sheet of film, 105 by 148mm in size containing as many as 60 to 98 pages of information reduced to micro images (Not to exceed 26: 1 reduction).

- Avail: NASA Public Document Rooms. Documents so indicated may be examined at or purchased from the National Aeronautics and Space Administration, Public Documents Room (Room 126), 600 Independence Ave., S.W., Washington, D.C. 20546, or public document rooms located at each of the NASA research centers, the NASA Space Technology Laboratories, and the NASA Pasadena Office at the Jet Propulsion Laboratory.
- Avail: ERDA Depository Libraries. Organizations in U.S. cities and abroad that maintain collections of Energy Research and Development Administration reports, usually in microfiche form, are listed in *Nuclear Science Abstracts*. Services available from the ERDA and its depositories are described in a booklet, *Science Information Available from the Energy Research and Devopment Administration* (TID-4550), which may be obtained without charge from the ERDA Technical Information Center.
- Avail: Univ. Microfilms. Documents so indicated are dissertations selected from *Dissertation Abstracts* and are sold by University Microfilms as xerographic copy (HC) at \$10.00 each and microfilm at \$4.00 each regardless of the length of the manuscript. Handling and shipping charges are additional. All requests should cite the author and the Order Number as they appear in the citation.
- Avail: USGS. Originals of many reports from the U.S. Geological Survey, which may contain color illustrations, or otherwise may not have the quality of illustrations preserved in the microfiche or facsimile reproduction, may be examined by the public at the libraries of the USGS field offices whose addresses are listed in this Introduction. The libraries may be queried concerning the availability of specific documents and the possible utilization of local copying services, such as color reproduction.
- Avail: HMSO. Publications of Her Majesty's Stationery Office are sold in the U.S. by Pendragon House, Inc. (PHI), Redwood City, California. The U.S. price (including a service and mailing charge) is given, or a conversion table may be obtained from PHI.
- Avail: BLL (formerly NLL): British Library Lending Division, Boston Spa, Wetherby, Yorkshire, England. Photocopies available from this organization at the price shown. (If none is given, inquiry should be addressed to the BLL.)
- Avail: ZLDI. Sold by the Zentralstelle für Luftfahrtdokumentation und -Information, Munich, Federal Republic of Germany, at the price shown in deutschmarks (DM).
- Avail: Issuing Activity, or Corporate Author, or no indication of availability. Inquiries as to the availability of these documents should be addressed to the organization shown in the citation as the corporate author of the document.
- Avail: U.S. Patent Office. Sold by Commissioner of Patents, U.S. Patent Office, at the standard price of 50 cents each, postage free.
- Other availabilities: If the publication is available from a source other than the above, the publisher and his address will be displayed entirely on the availability line or in combination with the corporate author line.

ADDRESSES OF ORGANIZATIONS

American Institute of Aeronautics and Astronautics
Technical Information Service
750 Third Ave.
New York, N.Y. 10017

British Library Lending Division, Boston Spa, Wetherby, Yorkshire, England

Commissioner of Patents U.S. Patent Office Washington, D.C. 20231

Energy Research and Development Administration Technical Information Center P.O. Box 62 Oak Ridge, Tennessee 37830

ESRO/ELDO Space Documentation Service European Space Research Organization 114, av. Charles de Gaulle 92200 Neuilly-sur-Seine, France.

Her Majesty's Stationery Office P.O. Box 569, S.E. 1 London, England

NASA Scientific and Technical Information Facility
P.O. Box 8757
B.W.I. Airport, Maryland 21240

National Aeronautics and Space Administration Scientific and Technical Information Office (KSI) Washington, D.C. 20546

National Technical Information Service Springfield, Virginia 22161

Pendragon House, Inc. 899 Broadway Avenue Redwood City, California 94063

Superintendent of Documents U.S. Government Printing Office Washington, D.C. 20402

University Microfilms A Xerox Company 300 North Zeeb Road Ann Arbor, Michigan 48106

University Microfilms, Ltd. Tylers Green London, England

U.S. Geological Survey 1033 General Services Administration Bldg. Washington, D.C. 20242

U.S. Geological Survey 601 E. Cedar Avenue Flagstaff, Arizona 86002

U.S. Geological Survey 345 Middlefield Road Menlo Park, California 94025

U.S. Geological Survey Bldg. 25, Denver Federal Center Denver, Colorado 80225

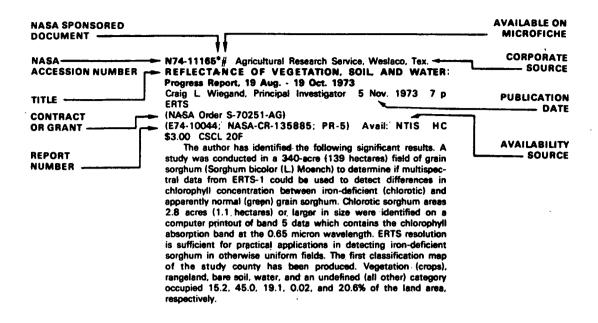
Zentralstelle für Luftfahrtdokumentation und -Information 8 München 86 Postfach 880 Federal Republic of Germany

TABLE OF CONTENTS

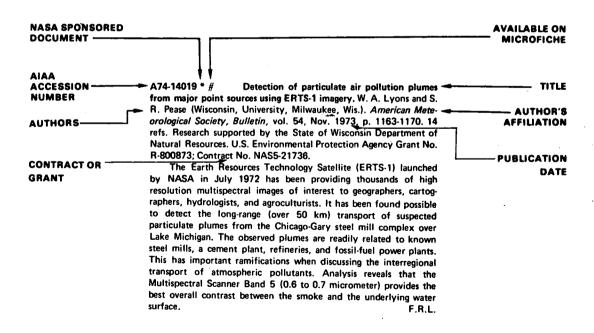
Subject Categories

Ab.	stracts in the bibliography are grouped under the following categories:	page
01	AGRICULTURE AND FORESTRY Includes crop forecasts, crop signature analysis, soil identification, disease detection, harvest estimates, range resources, timber inventory, forest fire detection, and wildlife migration patterns.	167
02	ENVIRONMENTAL CHANGES AND CULTURAL RESOURCES Includes land use analysis, urban and metropolitan studies, environmental impact, air and water pollution, geographic information systems, and geographic analysis.	177
03	GEODESY AND CARTOGRAPHY Includes mapping and topography.	187
04	GEOLOGY AND MINERAL RESOURCES Includes mineral deposits, petroleum deposits, spectral properties of rocks, geological exploration, and lithology.	193
05	OCEANOGRAPHY AND MARINE RESOURCES Includes sea-surface temperature, ocean bottom surveying imagery, drift rates, sea ice and icebergs, sea state, fish location.	199
06	HYDROLOGY AND WATER MANAGEMENT Includes snow cover and water runoff in rivers and glaciers, saline intrusion, drainage analysis, geomorphology of river basins, land uses, and estuarine studies.	205
07	DATA PROCESSING AND DISTRIBUTION SYSTEMS Includes film processing, computer technology, satellite and aircraft hardware, and imagery.	211
08	INSTRUMENTATION AND SENSORS Includes data acquisition and camera systems and remote sensors.	219
09	Includes economic analysis.	225
PI C	UBJECT INDEX	. B-1 . C-1 . D-1
R	EPORT/ACCESSION NUMBER INDEX	. E-1

TYPICAL CITATION AND ABSTRACT FROM STAR



TYPICAL CITATION AND ABSTRACT FROM IAA





EARTH RESOURCES

A Continuing Bibliography (Issue 3)

MAY 1975

01 AGRICULTURE AND FORESTRY

Includes crop forecasts, crop signature analysis, soil identification, disease detection, harvest estimates, range resources, timber inventory, forest fire detection, and wildlife migration patterns.

A74-28935 The radar backscatter from selected agricultural crops. G. P. de Loor, A. A. Jurriiens, and H. Gravesteijn (Centrale Organisatie TNO, Physisch Laboratorium RVO-TNO, The Hague, Netherlands). *IEEE Transactions on Geoscience Electronics*, vol. GE-12, Apr. 1974, p. 70-77. 8 refs.

To study the possible use of the radar backscatter coefficient for purposes of vegetation inventory a series of measurements was undertaken on radar ground returns. Single vegetation species were studied. Use was made of stable platforms (television towers) with the radar at an altitude of 75 m above the terrain. The influence of weather and season was investigated. It was shown that a single vegetation type behaves as a Rayleigh scatterer. The radar backscatter coefficient as a function of frequency and polarization proves to be the only usable classifier to classify vegetations with the aid of radar.

(Author)

A74-29004 # Remote sensing of biosphere from space. B. V. Vinogradov. International Astronautical Federation, International Astronautical Congress, 24th, Baku, Azerbaidzhan SSR, Oct. 7-13, 1973, Paper. 32 p. 20 refs.

Some findings of applications of space techniques in biospheric studies are discussed as part of a program of comprehensive subsatellite investigations. The studies deal with optical generalization of the earth surface features when forming a super-small-scale space imagery, selection of optimum spectral ranges for multispectral space survey of agricultural lands, and renewal of small scale maps of vegetation of the world physicogeographical atlas. Attention is also given to studies of the farming organization, observation of the composition and status of farming crops, observation of pasture lands and evaluation of plant productivity, and observation of soil moisture.

A74-29046 Clutter return from vegetated areas. S. Rosenbaum (Technion - Israel Institute of Technology, Haifa, Israel) and L. W. Bowles (MIT, Lexington, Mass.). *IEEE Transactions on Antennas and Propagation*, vol. AP-22, Mar. 1974, p. 227-236. 9 refs. USAF-supported research.

An analytical stochastic model to predict relevant statistical scattering features of electromagnetic waves propagating within vegetated environments is presented. The propagation phenomena are described by formulating the scattering associated with random permittivity fluctuations superimposed on a lossy deterministic background slab. The distorted-wave Born approximation is employed to determine the backscattered power and its temporal spectrum. (Author)

A74-29050 • Radar measurement of soil moisture content.
F. T. Ulaby (University of Kansas Center for Research, Inc., Lawrence, Kan.). IEEE Transactions on Antennas and Propagation, vol. AP-22, Mar. 1974, p. 257-265. 21 refs. Contract No. NAS9-10261; Grant No. DAAK02-68-C-0089.

The effect of soil moisture on the radar backscattering coefficient was investigated by measuring the 4- to 8-GHz spectral response from two types of bare-soil fields: slightly rough and very rough, in terms of the wavelength. An FM-CW radar system mounted atop a 75-ft truck-mounted boom was used to measure the return at ten frequency points across the 4- to 8-GHz band, at eight different look angles (0 through 70 deg), and for all polarization combinations. A total of 17 sets of data were collected covering the range from 4 to 36% soil moisture content by weight. The results indicate that the radar response to soil moisture content is highly dependent on the surface roughness, microwave frequency, and look angle. The response seems to be linear, however, over the range from 15 to 30% moisture content for all angles, frequencies, polarizations and surface conditions. (Author)

A74-30530 Comparison of four independent soil surveys by air-photo interpretation, Paphos area /Cyprus/. S. W. Bie and P. H. T. Beckett (Oxford University, Oxford, England). *Photogrammetria*, vol. 29, Dec. 1973, p. 189-202. 18 refs. Research supported by the Norwegian Agency for International Development.

A74-30795 * Seasonal canopy reflectance patterns of wheat, sorghum, and soybean. E. T. Kanemasu (Kansas State University, Manhattan, Kan.). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 43-47. NASA-supported research.

An investigation was conducted of canopy-reflectance patterns as a basis for the determination of surface conditions. Two fields each of wheat, sorghum, and soybeans were selected in a bottom land area. One field contained a dark-colored, silty clay loam and the other a light-colored, silt loam. The study suggests that the reflectance ratio of the 545- to 655-nm-wavelengths may be used as an indicator of crop growth.

G.R.

A74-33069 Forest insect damage from high-altitude color-IR photos. W. M. Ciesla (U.S. Forest Service, Missoula, Mont.). Photogrammetric Engineering, vol. 40, June 1974, p. 683-687, 689. 12 refs.

01 AGRICULTURE AND FORESTRY

ERTS-1 underflight photos in color infrared taken from a U-2 were evaluated for their capability to resolve forest insect damage. Defoliation caused by pine butterfly was well detected using this method. The photos were only partially effective in registering stands suffering heavy tree mortality due to bark-beetle infestations and were not capable of registering defoliation of current year's foliage caused by western spruce budworm. Image enhancement or densitometer scanning of infested and uninfested stands may prove effective in detecting and mapping these types of damage.

P.T.H.

N74-21971*# Earth Satellite Corp., Berkeley, Calif.
EVALUATION OF USEFULNESS OF SKYLAB EREP S-190
AND S-192 IMAGERY IN MULTISTAGE FOREST SURVEYS
Progress Report, 1 Oct. 1973 - 31 Mar. 1974

Philip G. Langley, Principal Investigator 31 Mar. 1974 11 p

(Contract NAS9-13289)

(E74-10446; NASA-CR-137435; PR-6) Avail: NTIS HC \$4.00 CSCL 02F

The author has identified the following significant results. The digital timber volume prediction system was tested with another test area in the Trinity Alps. The estimated gain in precision was somewhat lower than the estimate for the first test area (35%). A combined interpretation of the two areas was made, yielding an estimated gain of 44%, with high statistical significance. This interpretation was used to calibrate the system for an interpretation of 43 primary sample units distributed over 1600 square miles. Preliminary results indicate that a gain of 35% can be realized over this large area in northern California.

N74-21998*# Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

EVALUATION AND COMPARISON OF ERTS MEASURE-MENTS OF MAJOR CROPS AND SOIL ASSOCIATIONS FOR SELECTED TEST SITES IN THE CENTRAL UNITED STATES Final Report, 1 Jul. 1972 - 19 Feb. 1974

Marion F. Baumgardner, Principal investigator 19 Mar. 1974 174 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NASS-21785)

(E74-10474; NASA-CR-136875) Avail: NTIS HC\$11.75 CSCL 02C

The author has identified the following significant results. Multispectral scanner data obtained by ERTS-1 over six test sites in the Central United States were analyzed and interpreted. ERTS-1 data for some of the test sites were geometrically corrected and temporally overlayed. Computer-implemented pattern recognition techniques were used in the analysis of all multispectral data. These techniques were used to evaluate ERTS-1 data as a tool for soil survey. Geology maps and land use inventories were prepared by digital analysis of multispectral data. Identification and mapping of crop species and rangelands were achieved throught the analysis of 1972 and 1973 ERTS-1 data. Multiple dates of ERTS-1 data were examined to determine the variation with time of the areal extent of surface water resources on the Southern Great Plain.

N74-22001*# Michigan State Univ., East Lansing.
INVESTIGATION OF SKYLAB DATA Monthly Plans and Progress Report, Mar. 1974

Lester V. Manderscheid, Principal Investigator Mar. 1974 2 p

(Contract NAS9-13332)

(E74-10477; NASA-CR-136878) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-22010*# South Dakota State Univ., Brookings. Remote Sensing Inst.

[DEVELOP TECHNIQUES AND PROCEDURES, USING MULTISPECTRAL SYSTEMS, TO IDENTIFY FROM REMOTELY SENSED DATA THE PHYSICAL AND THERMAL CHARACTERISTICS OF PLANTS AND SOIL] Monthly Report, period ending 1 Apr. 1974

Victor I. Myers, Principal Investigator 1 Apr. 1974 2 p EREP (Contract NAS9-13337)

(E74-10486; NASA-CR-136887) Avail: NTIS HC \$4.00 CSCL ORF

There are no author-identified significant results in this report.

N74-22012*# Bureau of Sport Fisheries and Wildlife, Jamestown, N. Dak. Northern Prairie Wildlife Research Center.

UTILIZATION OF SKYLAB (EREP) SYSTEM FOR APPRAISING CHANGES IN CONTINENTAL MIGRATORY BIRD HABITAT Monthly Progress Report, Apr. 1974

Harvey K. Nelson, Principal Investigators Apr. 1974 2 p

(NASA Order T-4114-B)

(E74-10488; NASA-CR-136889) Avail: NTIS HC \$4.00 CSCL 06C

There are no author-identified significant results in this report.

N74-22015*# California Univ., Berkeley. Remote Sensing Research Program.

AGRICULTURAL INTERPRETATION TECHNIQUE DEVELOP-MENT Quarterly Progress Report

Robert N. Colwell, Andrew S. Benson, Principal Investigators, Catherine E. Brown, Claire M. Hay, and Nancy A. Jones 28 Feb. 1974 14 p. Original contains color illustrations EREP (Contract NAS2-7567)

(E74-10491; NASA-CR-136892) Avail: NTIS HC \$4.00 CSCL 02C

There are no author-identified significant results in this report.

N74-22017*# Wyoming Univ., Laramie. Dept. of Geology.
RANGE VEGETATION TYPE MAPPING AND ABOVEGROUND GREEN BIOMASS ESTIMATIONS USING
MULTISPECTRAL IMAGERY Special Report

Robert S. Houston, Principal Investigator and Robert C. Gordon 20 Apr. 1974 17 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center. 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NAS5-21799)

(E74-10493; NASA-CR-136894) Avail: NTIS HC \$4.00 CSCL

The author has identified the following significant results. Range vegetation types have been successfully mapped on a portion of the 68.000 acre study site located west of Baggs, Wyoming, using ERTS-1 imagery. These types have been ascertained from field transects over a five year period. Comparable studies will be made with EREP imagery. Above-ground biomass estimation studies are being conducted utilizing double sampling techniques on two similar study sites. Information obtained will be correlated with percent relative reflectance measurements obtained on the ground which will be related to image brightness levels. This will provide an estimate of above-ground green biomass with multispectral imagery.

N74-22019* California Univ., Berkeley. Space Sciences Lab. SKYLAB DATA AS AN AID TO RESOURCE MANAGEMENT IN NORTHERN CALIFORNIA

Robert N. Colwell, James D. Nichols, Principal Investigators. Michael J. Gialdini, and Sharon L. Wall *In its* An Integrated

Study of Earth Resources in the State of the Calif. Bused on Skylab and Supporting Aircraft Data 28 Feb. 1974 3 p EREP

CSCL 08F

There are no author-identified significant results in this report.

N74-22023*# Department of Agriculture, Washington, D.C. Statistical Reporting Service.

CROP IDENTIFICATION AND ACREAGE MEASUREMENT UTILIZING ERTS IMAGERY Progress Report, 20 Feb. - 19 Apr. 1974

Donald H. VonSteen, Principal Investigator 19 Apr. 1974 36 p

(NASA Order S-70251-AG-3)

(E74-10500; NASA-CR-136905) Avail: NTIS HC \$5.00 CSCL 02C

There are no author-identified significant results in this report.

N74-22024*# California Univ., Riverside. Citrus Research Center/Agricultural Experiment Station.

EVALUATION OF REMOTE SENSING IN CONTROL OF PINK BOLLWORM IN COTTON Final Report, Jul. 1972 - Oct. 1973

Lowell N. Lewis, Principal Investigator, Virginia B. Coleman, and Claude W. Johnson 31 Mar. 1974 42 p refs Original contains / color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21771)

(E74-10503; NASA-CR-136910) Avail: NTIS HC \$5.25 CSCL 02C

The author has identified the following significant results. This investigation is to evaluate the use of a satellite in monitoring the cotton production regulation program of the State of California as an aid in controlling pink bollworm infestation in the southern deserts of California. Color combined images of ERTS-1 multispectral images simulating color infrared are being used for crop identification. The status of each field (crop, bare, harvested, wet, plowed) is mapped from the imagery and is then compared to ground survey information taken at the time of ERTS-1 overflights. A computer analysis has been performed to compare field and satellite data to a crop calendar. Correlation to date has been 97% for field condition. Actual crop identification varies; cotton identification is only 63% due to lack of full season coverage.

N74-22032*# Kansas Univ. Center for Research, Inc., Lawrence. Technology Applications Lab.

THE USE OF HIGH ALTITUDE AERIAL PHOTOGRAPHY TO INVENTORY WILDLIFE HABITAT IN KANSAS: AN INITIAL EVALUATION

James W. Merchant and Bruce H. Waddell (Kansas Forestry, Fish and Game Comm.) Mar. 1974 36 p refs Original contains color illustrations (Grant NGL-17-004-024)

(TR-2230-14-1) Avail: NTIS HC \$5.00 CSCL 02E

The use of aerial photography as a method for determining the wildlife conditions of an area is discussed. Color infrared photography is investigated as the most effective type of remote sensor. The characteristics of the remote sensing systems are described. Examples of the remote sensing operation and the method for reducing the data are presented.

N74-22046*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.

OPTICAL MODELING OF AGRICULTURAL FIELDS AND ROUGH-TEXTURED ROCK AND MINERAL SURFACES

G. H. Suits, R. K. Vincent, H. M. Horwitz, and J. D. Erickson Nov. 1973 46 p refs (Contract NAS9-9784)

(NASA-CR-134243; ERIM-31650-78-T) Avail: NTIS HC \$5.50 CSCL 02C

Review was made of past models for describing the reflectance and/or emittance properties of agricultural/forestry and geological targets in an effort to select the best theoretical models. An extension of the six parameter Allen-Gayle-Richardson model was chosen as the agricultural plant canopy model. The model is used to predict the bidirectional reflectance of a field crop from known laboratory spectra of crop components and approximate plant geometry. The selected geological model is based on Mie theory and radiative transfer equations, and will assess the effect of textural variations of the spectral emittance of natural rock surfaces.

N74-22050*# Environmental Research Inst. of Michigan, Ann

WHEAT CLASSIFICATION EXERCISE, USING 11 JUNE 1973, ERTS MSS DATA FOR FAYETTE COUNTY, ILLINOIS (FOR CITARS TASK)

William A. Malila, Ross H. Hieber, Daniel P. Rice, and Jane E. Sarno 26 Sep. 1973 20 p refs (Contract NAS9-9784)

(NASA-CR-134253; TM-190100-21-R) Avail: NTIS HC \$4.00 CSCL 02C

The prime emphasis was on classification of pixels in field centers, away from boundary effects. Results were encouraging in both training and test field centers for wheat and other major types of vegetation present. However, the location of fields was found to be a serious problem and it was even more difficult to select field-center pixels for fields of sizes less than 20 acres (or even larger, depending upon field shape) for use in the field-center analysis. The majority of fields in the segment are less than 20 acres in size. ERTS-1 data were received on 12 September 1973. Ground truth information and aerial photography were received on 9 and 15 September. The data were analyzed and processed digitally using the ERIM multispectral software system.

N74-22053*# Lockheed Electronics Co., Houston, Tex. Aerospace Systems Div.

QUALITY OF SIGNATURES Final Report

Edwin P. F. Kan Apr. 1974 18 p

(Contract NAS9-12200)

(NASA-CR-134263; LEC-3175) Avail: NTIS HC \$4.00 CSCL

Three conclusions are drawn on the usability, inherent variations, and noise aspects of the spectral signatures processed from data collected by the Field Signature Acquisition System (FSAS). Conclusions are based on the spectral data collected from winter wheat of the 1972/73 season, grown at Texas A and M University, College Station, Texas.

N74-22770# Earth Satellite Corp., Washington, D.C.
AN ANALYSIS OF THE BENEFITS AND COSTS OF AN
IMPROVED CROP ACREAGE FORECASTING SYSTEM
UTILIZING EARTH RESOURCES SATELLITE OR AIRCRAFT
INFORMATION

William Vogely 16 Nov. 1973 144 p refs :

(Contract DI-14-08-001-13519)

(PB-227361/3; USGS-DO-74-002) Avail: NTIS HC \$4.75 CSCL 02D

The broad area of agricultural production was selected for the first case study based on the magnitude of potential benefits and the results of early ERTS-1 experiments. Within the area of agricultural production the case study focused on crop acreage forecasting. Compared to the USDA statistical sampling system, one based on satellite imagery would have a substantially larger number of samples, would permit substitution of cloud covered samples, and would have daily update. In the absence of estimates of overall accuracy of ERS crop acreage estimates, benefits were estimated as a function of error over a range of improvements. Inventory adjustment benefit estimates were made using a previously developed model. Estimated benefits are expected to be more equally distributed across different regions and income classes than is current income. Minimal social and environmental impacts were identified.

N74-22949*# California State Office of Science and Technology, Sacramento

USE OF ERTS-A, SKYLAB, AND SUPPORTING AIRCRAFT TO ENHANCE RESOURCE MANAGEMENT Final Report A. Earl Davis, David H. Adams, Barry Brown, Edward D. Ehlers, Gilbert W. Fraga, W. Ward Henderson, John W. Heslep, Gordon F. Snow, and Paul L. Clifton, Principal Investigators 30 Nov. 1973 17 p ERTS

(Contract NAS5-21832)

(E74-10498; NASA-CR-136903) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-22953*# Lockheed Electronics Co., Houston, Tex. Aerospace Systems Div.

SKYLAB \$192 DATA EVALUATION: COMPARISONS WITH ERTS-1 RESULTS

C. Y. Chang Jan. 1974 58 p ref Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP

(Contract NAS9-12200)

(E74-10506; NASA-CR-134246; LEC-1711) Avail: NTIS HC \$6.00 CSCL 05B

The author has identified the following significant results. The Skylab S192 data was evaluated by: (1) comparing the classification results using S192 and ERTS-1 data over the Holt County, Nebraska agricultural study area, and (2) investigating the impact of signal-to-noise ratio on classification accuracies using registered S192 and ERTS-1 data. Results indicate: (1) The classification accuracy obtained on S192 data using its best subset of four bands can be expected to be as high as that on ERTS-1 data. (2) When a subset of four S192 bands that are spectrally similar to the ERTS-1 bands was used for classification, an obvious deterioration in the classification accuracy was observed with respect to the ERTS-1 results. (3) The thermal bands 13 and 14 as well as the near IR bands were found to be relatively important in the classification of agricultural data. Although bands 11 and 12 were highly correlated, both were invariabily included in the best subsets of the band sizes, four and beyond, according to the divergence criterion. (4) The differentiation of corn from popcorn was difficult on both S192 and ERTS-1 data acquired at an early summer date. (5) The results on both sets of data indicate that it was relatively easy to differentiate grass from any other class.

N74-22962* Michigan Univ., Ann Arbor. School of Natural Resources.

REMOTE SENSING OF CHANGES IN MORPHOLOGY AND PHYSIOLOGY OF TREES UNDER STRESS Remote Sensing Applications in Forestry. Final Report, 1 Oct. 1971 - 31 Dec. 1972

Charles F. Olson, Jr. Berkeley, Calif. Calif. Univ. Forestry Remote Sensing Lab. 30 Sep. 1972 42 p refs Prepared for Calif. Univ., Berkeley. Forestry Remote Sensing Lab. in cooperation

with Dept. of Agric. Forest Serv. (NASA Order R-09-038-002)

(NASA-CR-138392) Avail: NTIS HC \$5.25 CSCL 02F

Previsual detection of Fomes annosus in pine plantations was studied. Detailed analyses of photographic imagery obtained over the Ann Arbor Test Site during 1969 and 1970 reveal that the Ektachrome Infrared film was superior to Ektachrome Aerographic, Infrared Aerographic, or Plus-X Aerographic films for detecting Fomes annosus damage. Of far more significance in controlling the accuracy of damage detection, however, was the experience of the photo interpreter. Ratioprocessing of multispectral scanner data was investigated with data collected in June of 1970 and in June of 1972. Ratioing of the 1.5-1.8 and 1:0-1.4 micrometer channels gave good results at detecting openinggs in the crown canopy and adjacent infected trees. Combined level slicing of the 1.5-1.8 micrometer channel and the 1.5-1.8 to 1.0-1.4 micrometer ratio permitted separation and recognition of forest litter in the openings and stressed trees adjacent of the openings... Author

N74-22970*# Stanford Univ., Calif. School of Engineering. WILDLAND FIRE MANAGEMENT. VOLUME 2: WILDLAND FIRE CONTROL 1985-1995 Final Report

David R. Saveker, ed. 1973 193 p refs

(Grant NGT-05-020-409)

(NASA-CR-138400) Avail: NTIS HC \$12.75 CSCL 08F

The preliminary design of a satellite plus computer earth resources information system is proposed for potential uses in fire prevention and control in the wildland fire community. Suggested are satellite characteristics, sensor characteristics, discrimination algorithms, data communication techniques, data processing requirements, display characteristics, and costs in achieving the integrated wildland fire information system.

Author

N74-23031# Utah State Univ., Logan. Utah Water Research Lab.

INTEGRATED MEASUREMENT OF SOIL MOISTURE BY USE OF RADIO WAVES

Duane G. Chadwick Nov. 1973 98 p refs

(Contract DI-14-31-0001-3657)

(PB-227242/5; PRWG103-1; OWRR-B-062-UTAH(2);

W74-03772) Avail: NTIS HC \$4.00 CSCL 08M

An integrated value of soil moisture can be determined by measuring the attenuation of vertically-polorarized surface radio waves that are propagated over the ground between a transmitting and receiving antenna. Soil moisture values in the root-zone region were measured over longitudinal distances typically ranging from 50 feet to 600 feet with good results. Integrated soil moisture measurements over greater distances are also possible. The received field strength of propagated radio surface waves closely matches theoretical calculations.

Author (GRA)

N74-25838* Kansas Univ. Center for Research, Inc., Lawrence. Atmospheric Science Lab.

DETECTION OF MOISTURE AND MOISTURE RELATED PHENOMENA FROM SKYLAB Monthly Progress Report, May 1974

Joe R. Eagleman, Ernest C. Pogge, Richard K. Moore, Principal Investigators, Norman Hardy, Wen Lin, and Larry League May 1974 12 p ref EREP

(Contract NAS9-13273)

(E74-10511; NASA-CR-138261) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-25848*# Pacific Southwest Forest and Range Experiment Station, Berkeley, Calif.

INVENTORY OF FOREST AND RANGELAND RESOURCES, INCLUDING FOREST STRESS Bimonthly Progress Report, 16 Mar. - 15 May 1974

Robert C. Heller, Robert C. Aldrich, Frederick P. Weber, and Richard S. Driscoll, Principal Investigators 13 May 1974 3 p EREP

(NASA Order T-4106-B)

(E74:10530; NASA-CR-138279; BMPR-11) Avail: NTIS HC \$4.00 CSCL 02F

There are no author-identified significant results in this report

N74-25857*# Agricultural Research Service, Weslaco, Tex.
REFLECTANCE OF VEGETATION, SOIL, AND WATER
Progress Report, 19 Feb. - 19 Apr. 1974

Craig L. Wiegand, Principal Investigator May 1974 11 p

(NASA Order S-70251-AG)

(E74-10539; NASA-CR-138288; PR-7) Avail: NTIS - HC \$4.00 CSCL 08M

The author has identified the following significant results. Reflectance of crop residues, that are important in reducing wind and water erosion, was more often different from bare soil in band 4 than in bands 5, 6, or 7. The plant parameters leaf area index, plant population, plant cover, and plant height explained 95.9 percent of the variation in band 7 (reflective infrared) digital counts for cotton and 78.2 percent of the variation in digital counts for the combined crops sorghum and corn; hence, measurable plant parameters explain most of the signal variation recorded for corpland. Leaf area index and plant population are both highly correlated with crop yields; since plant population can be readily measurement for calibrating ERTS-type MSS digital data in terms of yield.

N74-25858*# Kansas Univ. Center for Research, Inc., Lawrence. Atmospheric Science Lab.

DETECTION OF MOISTURE AND MOISTURE RELATED
PHENOMENA FROM SKYLAB Monthly Progress Report,
Apr. 1974

Joe R. Eagleman, Ernest C. Pogge, Richard K. Moore, Principal Investigators, Norman Hardy, Wen Lin, and Larry League Apr. 1974 17 p EREP

(Contract NAS9-13273)

(E74-10540; NASA-CR-138289) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-25859*# Agricultural Research Service, Weslaco, Tex. IRRIGATION SCHEDULING, FREEZE WARNING AND SOIL SALINITY DETECTING Monthly Progress Report, Feb. - Apr. 1974

Craig L. Wiegand, Principal Investigator May 1974 2 p

(NASA Order T-4105-B)

(E74-10541; NASA-CR-138290; MPR-6) Avail: NTIS HC \$4.00 CSCL 08M

There are no author-identified significant results in this report.

N74-25862*# Alaska Univ., Fairbanks. Inst. of Arctic

PRELIMINARY VEGETATION MAP OF THE ESPENBERG PENINSULA, ALASKA, BASED ON AN EARTH RESOURCES TECHNOLOGY SATELLITE IMAGE Interim Scientific Report

J. H. Anderson, Principal Investigator, Charles H. Racine (North Carolina State Univ.), and Herbert R. Melchior 8 May 1974 26 p refs ERTS

(Contract NAS5-21833)

(E74-10544; NASA-CR-138293) Avail: NTIS HC \$4.50 CSCL 088

There are no author-identified significant results in this report.

N74-25863*# Alaska Univ., Fairbanks. Inst. of Arctic Biology.

A VEGETATION MAP OF AN AREA NEAR FAIRBANKS, ALASKA, BASED ON AN ERTS IMAGE Interim Scientific Report

J. H. Anderson, Principal Investigator 9 May 1974 17 p refs ERTS

(Contract NAS5-21833)

(E74-10545; NASA-CR-138294) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-25868*# Pacific Southwest Forest and Range Experiment Station, Berkeley, Calif.

INVENTORY OF FOREST AND RANGELAND AND DETECTION OF FOREST STRESS Progress Report, 1 Mar. - 30 Apr. 1974

Robert C. Heller, Robert C. Aldrich, Richard S. Driscoll, and F. P. Weber, Principal Investigators 24 May 1974 29 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(NASA Order S-70251-AG)

(E74-10558; NASA-CR-138448; FS-1-8; PR-8) Avail: NTIS HC \$4.50 CSCL 02F

There are no author-identified significant results in this report.

N74-25961# Physics Lab. RVO-TNO, The Hague (Netherlands). RADAR GROUND RETURNS. PART 3: FURTHER MEASUREMENTS ON THE RADAR BACKSCATTER OF VEGETATION AND SOILS

G. P. DeLoor Mar. 1974 38 p refs

(PhL-1974-05-PT-3; TDCK-64135-PT-3) Avail: NTIS HC \$5.00

Measurements of the radar backscatter coefficient gamma of single vegetation species, woods, and bare soils are reported. It is shown that in the measuring set-up used all samples investigated contained sufficient scatterers to give a Rayleigh distribution at the output and that the decorrelation time is sufficiently short to obtain an adequate number of uncorrelated samples in one measurement. In SLAR observations the r.b.c. gamma as a function of frequency and polarization is the only possible classifier for vegetation species. Its total variation, however, is small approximately and requires, as a consequence, a fairly high accuracy in the measurements when variations in r.b.c. gamma are also to be used as an indicator for variations in biomass, plant vigor, moisture content, etc. Author (ESRO)

N74-26866*# Bureau of Sport Fisheries and Wildlife, Jamestown, N. Dak. Northern Prairie Wildlife Research Center. UTILIZATION OF SKYLAB (EREP) SYSTEM FOR APPRAISING CHANGES IN CONTINENTAL MIGRATORY BIRD HABITAT Monthly Progress Report, May 1974 Harvey K. Nelson, Principal Investigator May 1974 2 perep

01 AGRICULTURE AND FORESTRY

(NASA Order T-4114-B)

(E74-10557; NASA-CR-138447) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this TROOPS.

N74-26868*# Pacific Northwest Forest and Range Experiment Station, Portland, Oreg. Remote Sensing Research Work Unit. MONITORING FOREST LAND FROM HIGH ALTITUDE AND FROM SPACE Remote Sensing Applications in Forestry. Final Report

Berkeley, Calif. Calif. Univ. Forestry Remote Sensing Lab. 30 Sep. 1972 200 p refs Prepared for Calif. Univ., Berkeley. Forestry Remote Sensing Lab. in cooperation with Dept. of Agric. Forest Serv.

(NASA Order R-09-038-002)

(NASA-CR-138624) Avail: NTIS HC \$13.00 CSCL 02F

The significant findings are reported for remote sensing of forest lands conducted during the period October 1, 1965 to December 31, 1972. Forest inventory research included the use of aircraft and space imagery for forest and nonforest land classification, and land use classification by automated procedures. multispectral scanning, and computerized mapping. Forest stress studies involved previsual detection of ponderosa pine under stress from insects and disease, bark bettle infestations in the Black Hills, and root disease impacts on forest stands. Standardization and calibration studies were made to develop a field test of an ERTS-matched four-channel spectrometer. Calibration of focal plane shutters and mathematical modeling of film characteristic curves were also studied. Documents published as a result of all forestry studies funded by NASA for the Earth Resources Survey Program from 1965 through 1972 are listed. AAD

N74-26876*# Virginia Polytechnic Inst. and State Univ., Blacksburg. Dept. of Agronomy.
USE OF REMOTE SENSING IN AGRICULTURE Contractor

Report, Jul. 1970 - Jun. 1973

David E. Pettry, Norris L. Powell, and Michael E. Newhouse Jan. 1974 151 p refs (Contract NAS6-1863)

(NASA-CR-62098) Avail: NTIS HC \$10.75 CSCL 02C

Remote sensing studies in Virginia and Chesapeake Bay areas to investigate soil and plant conditions via remote sensing technology are reported ant the results given. Remote sensing techniques and interactions are also discussed. Specific studies on the effects of soil moisture and organic matter on energy reflection of extensively occurring Sassafras soils are discussed. Greenhouse and field studies investigating the effects of chlorophyll content of Irish potatoes on infrared reflection are presented. Selected ground truth and environmental monitoring data are shown in summary form. Practical demonstrations of remote sensing technology in agriculture are depicted and future use areas are delineated. Author

N74-26904*# Michigan Univ., Ann Arbor. THERMAL CONTOURING OF FORESTRY DATA: WALLOPS ISLAND

Fred Thomson 13 Mar. 1972 12 p

(Contract NAS6-2058)

(NASA-CR-137459; Rept-010653-2-L) Avail: NTIS HC \$4.00 CSCL 02F

The contouring of 8-13.5 micrometer thermal data collected over a forestry site in Virginia is described. The data were collected at an altitude of 1000 ft above terrain on November 4, 1970. The site was covered on three approximately parallel lines. The purpose of the contouring was to attempt to delineate pine trees attacked by southern pine bark beetle, and to map other important terrain categories. Special processing steps were required to achieve the correct aspect ratio of the thermal data.

The reference for the correction procedure was color infrared photography. Data form and quality are given, processing steps are outlined, a brief interpretation of results is given, and conclusion are presented. Author

N74-26928# Reading Univ. (England). Dept. of Geography. FIRST ESTIMATION OF CROP AREA STATISTICS FOR THE AREA OF ARGENTINA PHOTOGRAPHED BY SKYLARK SL 1181, USING GROUND TRUTH DATA

J. R. Hardy Jun. 1973 9 p (Contract AT/2035/015)

(UR-RSP-1; S/AI/5E) Avail: NTIS HC \$4.00

Preliminary data is given for the identification of crops by ground truth of an area in Argentina photographed from a Skylark SL 1181 rocket. It is hoped that a more detailed analysis of the photographs will enable confidence limits to be calculated.

Author (ESRO)

N74-26929# Reading Univ. (England). Dept. of Geography. PRELIMINARY ASSESSMENTS OF CROP TYPES AND LAND USE IN THE AREA OF ARGENTINA PHOTOGRAPHED BY SKYLARK EARTH RESOURCES ROCKET SL 1181, USING GROUND SURVEY DATA AND ROCKET PHOTOGRAPHY
D. S. H. Drennan Oct. 1973 11 p

(Contract AT/2035/025)

(UR-RSP-2; S/AI/14E) Avail: NTIS HC \$4.00

The results of a preliminary study of crop discrimination and land use from the color photography produced by Skylark rockets over Argentina are presented. The methods involved are briefly considered and a comparison of camera systems for color balance is described. Color assessments of crops and land use categories are also discussed. Author (ESRO)

N74-26930# Reading Univ. (England). Dept. of Geography. DELIMITATION OF THE CULTIVATED AND UNCULTIVATED AREAS OF ARGENTINA PHOTOGRAPHED BY SKYLARK SL 1181, USING ROCKET PHOTOGRAPHY

Natalia Marlenko (Comision Nacl. de Invest. Espaciales and Inst. Nacl. de Technol. Agropecuar.) Oct. 1973 6 p Sponsored in part by Brit. Council

(Contract AT/2035/025)

(UR-RSP-3; S/AI/15E) Avail: NTIS HC \$4.00

Photographs taken from Skylark rockets over Argentina have enabled cultivated and uncultivated areas to be distinguished and delimited. The stages of the survey are noted and it is concluded that the boundary between the two areas can be used in the production of maps of land use. Author (ESRO)

N74-27769*# Bureau of Sport Fisheries and Wildlife, Jamestown, N. Dak. Northern Prairie Wildlife Research Center.

UTILIZATION OF SKYLAB (EREP) SYSTEM FOR APPRAIS-ING CHANGES IN CONTINENTAL MIGRATORY BIRD

HABITAT Monthly Progress Report, Jun. 1974 Harvey K. Nelson, Principal Investigator Jun. 1974 2 p FREP

(NASA Order T-4114-B)

(E74-10555; NASA-CR-138445) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-27770* South Dakota State Univ., Brookings.

[DEVELOP TECHNIQUES AND PROCEDURES, USING MULTISPECTRAL SYSTEMS, TO IDENTIFY FROM RE-

MOTELY SENSED DATA THE PHYSICAL AND THERMAL CHARACTERISTICS OF PLANTS AND SOIL] Monthly Progress Report, May 1974

Victor I. Myers, Principal Investigator 20 Jun. 1974 2 p EREP

(Contract NAS9-13337)

(E74-10556; NASA-CR-138446) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-27795*# Kansas State Univ., Manhattan. Evapotranspiration Lab.

WHEAT: ITS WATER USE, PRODUCTION AND DISEASE DETECTION AND PREDICTION Completion Report

Edward T. Kanemasu, Principal Investigator, D. Lenhert, C. Niblett, H. Manges, and M. G. Eversmeyer 5 Feb. 1974 238 p refs ERTS

(Contract NAS5-21822)

(E74-10632; NASA-CR-138742; Rept-2263-3) Avail: NTIS HC \$15.00 CSCL 02C

The author has identified the following significant results. Discussed in this report are: (1) the effects of wheat disease on water use and yield; and (2) the use of ERTS-1 imagery in the evaluation of wheat growth and in the detection of disease severity. Leaf area index was linearly correlated with ratios MSS4:MSS5 and MSS5:MSS6. In an area of severe wheat streak mosaic virus infected fields, correlations of ERTS-1 digital counts with wheat yields and disease severity levels were significant at the 5% level for MSS bands 4 and 5 and band ratios 4/6 and 4/7. Data collection platforms were used to gather meteorological data for the early prediction of rust severity and economic loss.

N74-27796* Kansas State Univ., Manhattan. INTRODUCTION

In its Wheat: Its Water Use, Production and Disease Detection and Prediction 5 Feb. 1974 p 1-69 refs ERTS.

CSCL 02C

The author has identified the following significant results. The objectives of the investigation were: (1) to evaluate the effect of water stress, disease, and leaf area on the reflectance characteristics of wheat; (2) to evaluate disease losses in terms of yield and water use; and (3) to predict disease severity and economic loss.

N74-27797* Kansas State Univ., Manhattan. ERTS-1 DATA COLLECTION SYSTEMS USED TO PREDICT WHEAT DISEASE SEVERITIES

E. T. Kanemasu, H. Schimmelpfenning, E. Chin Choy, M. G. Eversmeyer, and D. Lenhert *In its* Wheat: Its Water Use, Production and Disease Detection and Prediction 5 Feb. 1974 13 p. refs. ERTS

(Contrib-1387; Contrib-595) CSCL 02C

The author has identified the following significant results. The feasibility of using the data collection system on ERTS-1 to predict wheat leaf rust severity and resulting yield loss was tested. Ground-based data collection platforms (DCP'S), placed in two commercial wheat fields in Riley County, Kansas, transmitted to the satellite such meteorological information as maximum and minimum temperature, relative humidity, and hours of free moisture. Meteorological data received from the two DCP'S from April 23 to 29 were used to estimate the diesease progress curve. Values from the curve were used to predict the percentage decrease in wheat yields resulting from leaf rust. Actual decrease in yield was obtained by applying a zinc and maneb spray (5.6 kg/ha) to control leaf rust, then comparing yields of the controlled

(healthy) and the noncontrolled (rusted) areas. In each field a 9% decrease in yield was predicted by the DCP-derived data; actual decreases were 12% and 9%.

N74-27798* Kansas State Univ., Manhattan.
SEASONAL CANOPY REFLECTANCE PATTERNS OF WHEAT. SORGHUM AND SOYBEAN

E. T. Kanemasu *In its* Wheat: Its Water Use, Production and Disease Detection and Prediction 5 Feb. 1974 20 p refs FRTS

(Contrib-1385) CSCL 20F

The author has identified the following significant results. Reflectance characteristics of agronomic crops are of major importance in the energy exchanges of a surface. In addition, unique reflectance patterns may be an aid in crop identification by means of remote sensing. This study suggests that the ratio of the reflectances of the 545-nm to to the 655-nm wavebands provides information about the viewed surface, regardless of the crop. The reflectance ratio is less than unity early and late in the growing season. For all crops studied, the ratio closely followed crop growth and development and appeared to be more desirable than the near-infrared reflectance as an index of growth.

N74-27800* Kansas State Univ., Manhattan. Dept. of Agricultural Engineering.

PREDICTING SOIL MOISTURE AND WHEAT VEGETATIVE GROWTH FROM ERTS-1 IMAGERY M.S. Thesis

John Wayne Krupp *In its* Wheat: Its Water Use, Production and Disease Detection and Prediction 5 Feb. 1974 70 p refs ERTS

CSCL U2C

The author has identified the following significant results. Study results indicate: (1) Vegetative growth was best predicted by a linear relationship between leaf area index and the radio of band 4 to band 5. All significant soil moisture effects were growth, measured by leaf area index, was one of the necessary inputs in evaluating the winter wheat crop coefficient from March to maturity.

N74-27804*# Minnesota Univ., Minneapolis. College of Forestry.

REMOTE SENSING APPLICATIONS TO FOREST VEGETA-TION CLASSIFICATION AND CONIFER VIGOR LOSS DUE TO DWARF MISTLETOE Remote Sensing Applications in Forestry. Final Report

Robert W. Douglass, Merle P. Meyer, and D. W. French Berkeley, Calif. Calif. Univ. Forestry Remote Sensing Lab. 30 Sep. 1972 102 p refs Prepared for Calif. Univ., Berkeley. Forestry Remote Sensing Lab. in cooperation with Dept. of Agric. Forest Serv.

(NASA Order R-09-038-002)

(NASA-CR-138806) Avail: NTIS HC \$8.25 CSCL 02F

Criteria was established for practical remote sensing of vegetation stress and mortality caused by dwarf mistletoe infections in black spruce subboreal forest stands. The project was accomplished in two stages: (1) A fixed tower-tramway site in an infected black spruce stand was used for periodic multispectral photo coverage to establish basic film/filter/scale/season/weather parameters; (2) The photographic combinations suggested by the tower-tramway tests were used in low, medium, and high altitude aerial photography.

N74-28811*# Agricultural Research Service, Weslaco, Tex. A STUDY OF EARLY DETECTION OF INSECT INFESTATIONS AND DENSITY/DISTRIBUTION OF HOST PLANTS Progress Report, 1-31 May 1974

William G. Hart, Sammy J. Ingle, and M. R. Davis, Principal Investigators 31 May 1974 2 p EREP (NASA Order T-4109-8)

01 AGRICULTURE AND FORESTRY

(E74-10560; NASA-CR-138635; PR-16) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-28813*# Agricultural Research Service, Weslaco, Tex. IRRIGATION SCHEDULING, FREEZE WARNING AND SOIL SALINITY DETECTING Monthly Progress Report, May - Jun. 1974

Craig L. Wiegand, Principal Investigator Jul. 1974 2 p EREP (NASA Order T-4105-B)

(E74-10569; NASA-CR-138644; MPR-7) Avail: NTIS HC \$4.00 CSCL 02C

There are no author-identified significant results in this report.

N74-28828*# Tennessee Univ., Knoxville. Remote Sensing Unit.

UTILIZING ERTS IMAGERY TO DETECT PLANT DISEASES AND NUTRIENT DEFICIENCIES, SOIL TYPES AND SOIL MOISTURE LEVELS Final Report, 29 Sep. 1972 - 1 Mar. 1974

W. L. Parks, J. I. Sewell, J. W. Hilty, and J. C. Rennie, Principal Investigators 1 Mar. 1974 53 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21873)

(E74-10585; NASA-CR-138690) Avail: NTIS HC \$5.75 CSCL 02C

The author has identified the following significant results. ERTS-1 imagery may be used to delineate soil associations. It does have the capacity to divide soils into groups such that their land use and management would be similar. It offers definite potential for making grass flood-plain, wetland, river shoreline, and land use change surveys. Production of volume strata and forest type from the two usable bands of ERTS-1 imagery were of questionable value. No imagery was received for evaluation during the time of year when maine dwarf mosaic virus and southern corn leaf blight were active.

N74-28829*# Earth Satellite Corp., Washington, D.C. A COMPARISON OF SKYLAB AND ERTS DATA FOR AGRICULTURAL CROP AND NATURAL VEGETATION INTERPRETATION

Charles Poulton, Principal Investigator, Robert N. Colwell, Lawrence R. Pettinger, and Robin I. Welch 1 Jul. 1974 149 p Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP and ERTS

(Contract NAS9-13286)

(E74-10586; NASA-CR-138691) Avail: NTIS HC\$10.50 CSCL 08F

There are no author-identified significant results in this report.

N74-28830*# Department of Agriculture, Washington, D.C. CROP IDENTIFICATION AND ACREAGE MEASUREMENT UTILIZING ERTS IMAGERY Progress Report, 8 Jan. - 19 Jun. 1974

Donald H. VonSteen, Principal Investigator 19 Jun. 1974 9 p

(NASA Order S-70251-AG-3)

(E74-10587; NASA-CR-138807) Avail: NTIS HC \$4.00 CSCL 02C

There are no author-identified significant results in this report.

N74-28834* Honeywell, Inc., Minneapolis, Minn. Systems and Research Div.

AUTOMATIC PHOTOINTERPRETATION FOR PLANT SPECIES AND STRESS IDENTIFICATION (ERTS-A1) Final Report

G. D. Swanlund, Principal Investigator and L. Kirvida 12 Dec. 1973 73 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NASS-21866)

(E74-10592; NASA-CR-138701) Avail: NTIS HC \$6.75 CSCL

N74-28835*# Agricultural Research Service, Weslaco, Tex. A STUDY OF THE EARLY DETECTION OF INSECT INFESTATIONS AND DENSITY/DISTRIBUTION OF HOST PLANTS Progress Report, 1-31 Jan. 1974

William G. Hart, Sammy J. Ingle, and M. R. Davis, Principal Investigators 31 Jan. 1974 2 p EREP (NASA Order T-4109-B)

(E74-10600; NASA-CR-138709; PR-12) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report

N74-28836*# Agricultural Research Service, Weslaco, Tex. A STUDY OF EARLY DETECTION OF INSECT INFESTATIONS AND DENSITY/DISTRIBUTION OF HOST PLANTS Progress Report, 1-31 Dec. 1973

William G. Hart, Sammy J. Ingle, and M. R. Davis, Principal Investigators 31 Dec. 1973 2 p EREP (NASA Order T-4109-8)

(E74-10601; NASA-CR-138710; PR-11) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-28846* idaho Univ., Moscow. Coll. of Forestry, Wildlife and Range Sciences.

APPLICATION OF REMOTE SENSING IN THE STUDY OF VEGETATION AND SOILS IN IDAHO Terminal Report, Nov. 1972 - Jan. 1974

1972 - Jan. 1974
E. W. Tisdale, M. Hironaka, and M. A. Fosberg, Principal Investigators Feb. 1974 50 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21850)

(E74-10618; NASA-CR-138727) Avail: NTIS HC \$5.50 CSCL 02C

There are no author-identified significant results in this report.

N74-28855* California Univ., Berkeley.

SEPARATION OF MANMADE AND NATURAL PATTERNS IN HIGH ALTITUDE IMAGERY OF AGRICULTURAL AREAS Special Study No. 2

Robert N. Colwell, Principal Investigator and Alfred S. Samulon In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 30 p. refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198

CSCL 08H

There are no author-identified significant results in this report.

N74-28865*# Tennessee Univ., Knoxville. Remote Sensing Unit.
UTILIZING ERTS IMAGERY TO DETECT PLANT DISEASES

01 AGRICULTURE AND FORESTRY

AND NUTRIENT DEFICIENCIES, SOIL TYPES AND SOIL MOISTURE LEVELS Final Report, Sep. 1972 - Mar. 1974 W. L. Parks, J. I. Sewell, J. W. Hilty, and J. C. Rennie, Principal Investigators 1 Mar. 1974 53 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21873)

(E74-10629; NASA-CR-138739) Avail: NTIS HC \$5.75 CSCL 02C

There are no author-identified significant results in this report.

N74-28870°# Alaska Univ., Fairbanks. Alaska Cooperative Wildlife Research Unit.

APPLICATION OF ERTS IMAGERY TO THE STUDY OF

APPLICATION OF ERTS IMAGERY TO THE STUDY OF CARIBOU MOVEMENTS AND WINTER HABITAT Final Report, Jul. 1972 - Feb. 1974

Peter C. Lent, Principal Investigator and Arthur J. LaPerriere 13 Mar. 1974 50 p refs ERTS

(Contract NAS5-21833)

(E74-10636; NASA-CR-138810) Avail: NTIS HC \$5.50 CSCL 06C

There are no author-identified significant results in this report.

N74-28872*# Agricultural Research Service, Weslaco, Tex. A STUDY OF EARLY DETECTION OF INSECT INFESTATIONS AND DENSITY/DISTRIBUTION OF HOST PLANTS Progress Report, 1-28 Feb. 1974

William G. Hart, Sammy J. Ingle, and M. R. Davis, Principal Investigators 28 Feb. 1974 2 p EREP

(NASA Order T-4109-B)

(E74-10638; NASA-CR-138812; PR-13) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-28873*# Agricultural Research Service, Weslaco, Tex. A STUDY OF THE EARLY DETECTION OF INSECT INFESTATIONS AND DENSITY/DISTRIBUTION OF HOST PLANTS Progress Report, 1-31 Mar. 1974

William G. Hart, Sammy J. Ingle, and M. R. Davis, Principal Investigators 31 Mar. 1974 2 p EREP

(NASA Order T-4109-B)

(E74-10639; NASA-CR-138813; PR-14) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this

N74-28876*# Agricultural Research Service, Weslaco, Tex. A STUDY OF THE EARLY DETECTION OF INSECT INFESTATIONS AND DENSITY/DISTRIBUTION OF HOST PLANTS Progress Report, 1-30 Apr. 1974

William G. Hart, Sammy J. Ingle, and M. R. Davis, Principal Investigators 30 Apr. 1974 2 p EREP

(NASA Order T-4109-B)

(E74-10642; NASA-CR-138824; PR-15) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report

N74-28880*# Agricultural Research Service, Weslaco, Tex. REFLECTANCE OF VEGETATION, SOIL, AND WATER Progress Report, 19 Dec. 1973 - 19 Jun. 1974
Craig L. Wiegand, Principal Investigator Jul. 1974 43 p refs ERTS

(NASA Order S-70251-AG) (E74-10647; NASA-CR-138860) Avail: NTIS HC \$5.25 CSCL 20F

The author has identified the following significant results. The Kubelka-Munk model, a regression model, and a combination of these models were used to extract plant, soil, and shadow reflectance components of vegetated surfaces. The combination model was superior to the others; it explained 86% of the variation in band 5 reflectance of corn and sorghum, and 90% of the variation in band 6 reflectance of cotton. A fractional shadow term substantially increased the proportion of the digital count sum of squares explained when plant parameters alone explained 85% or less of the variation. Overall recognition of 94 agricultural fields using simultaneously acquired aircraft and spacecraft MSS data was 61.8 and 62.8%, respectively; recognition of vegetable fields larger than 10 acres and taller than 25 cm, rose to 88.9 and 100% for aircraft and spacecraft, respectively. Agriculture and rangeland, were well discriminated for the entire county but level 2 categories of vegetables, citrus, and idle cropland, except for citrus, were not.

N74-28881*# Mississippi State Univ., State College. Inst. for Environmental Studies.
A STUDY OF THE APPLICATION OF SKYLAB EREP DATA TO AGRICULTURE IN THE MISSISSIPPI DELTA ALLUVIAL PLAINS REGION Quarterly Report, 23 Apr. - 23 Jul. 1974 C. W. Bouchillon, Principal Investigator 23 Jul. 1974 8 p EREP (Contract NAS9-13363) (E74-10648; NASA-CR-138861) Avail: NTIS HC \$4.00 CSCL 02C

There are no author-identified significant results in this report.

N74-28892*# Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

RESEARCH IN REMOTE SENSING OF AGRICULTURE, EARTH RESOURCES, AND MAN'S ENVIRONMENT Final Report, 1 Jun. 1969 - 31 May 1974

David A. Landgrebe 15 Jun. 1974 36 p refs Sponsored in part by USDA

(Grant NGL-15-005-112)

(NASA-CR-138885) Avail: NTIS HC \$5.00 CSCL 02C

Research performed on NASA and USDA remote sensing projects are reviewed and include. (1) the 1971 Corn Blight Watch Experiment; (2) crop identification; (3) soil mapping; (4) land use inventories; (5) geologic mapping; and (6) forest and water resources data collection. The extent to which ERTS images and airborne data were used is indicated along with computer implementation. A field and laboratory spectroradiometer system is described together with the LARSYS software system, both of which were widely used during the research. Abstracts are included of 160 technical reports published as a result of the work.

A.A.D.

02 ENVIRONMENTAL CHANGES AND CULTURAL RESOURCES

Includes land use analysis, urban and metropolitan studies, environmental impact, air and water pollution, geographic information systems, and geographic analysis.

A74-28550 Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer. R. T. Menzies and M. S. Shumate (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, Calif.). Science, vol. 184, May 3, 1974, p. 570-572. 7 refs. Contract No. NAS-100.

An infrared heterodyne radiometer with a spectral resolution of 0.04 reciprocal centimeters has been used to remotely detect samples of ozone, sulfur dioxide, ammonia, and ethylene at room temperature, and samples of nitric oxide at 390 K. Each gas was observed in a background of nitrogen or oxygen at atmospheric pressure. Sensitivities to some of these gases are adequate for detection of ambient concentrations as low as a few parts per billion. (Author)

A74-29021 * # Remote sensing for monitoring a water transportation project - The California Aqueduct. J. E. Estes and L. W. Senger (California, University, Santa Barbara, Calif.). International Astronautical Federation, International Astronautical Congress, 24th, Baku, Azerbaidzhan SSR, Oct. 7-13, 1973, Paper. 16 p. Grant No. NGL-05-003-404; Contract No. NAS5-21827.

Land use changes were investigated on the west side of the San Joaquin Valley, California, an arid region presently importing water via the California Aqueduct, utilizing airphoto mosaics (1957), high-altitude photography (1971), and Earth Resources Technology Satellite (ERTS-1) data (1972). Attention was focused on land use characteristics for the three dates, changes which had occurred, and the sequence of land use category change. Research indicated that water importation was contributing to an overall pattern of regional change trending from an oil-producing and grazing area into a cropping region. Furthermore, the general pattern of specific category change was trending in the direction of higher economic intensity land use succession.

A74-29701 * Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Conference sponsored by ACS, AIAA, AMS, DOT, EPA, IEEE, ISA, NASA, and NOAA. Pittsburgh, Pa., Instrument Society of America, 1973. 358 p. Members, \$30.; nonmembers, \$40.

Subjects considered are related to the remote passive sensing of atmosphere pollutants, the extension of laboratory measurement techniques for field use, instrument quality and measurement standardization, the remote active sensing of atmospheric pollutants, stationary source sensing, and air quality standards and measurement accuracy. Aspects of radiological, electromagnetic, and acoustic pollution monitoring are discussed together with new methods in particulate analysis, the measurement of meteorological variables that impact on atmospheric pollutants, and the impact of meteorological parameters on pollution analysis. The in-situ sensing of acoustic chemical and biological pollutants is reported along with global scale pollution monitoring and the remote sensing of water pollutants.

A74-29702 * Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft. C. B. Farmer, P. W. Schaper, O. F. Raper, R. A. Schindler, and R. A. Toth (California Institute of Technology, Jet Propulsion Laboratory, Space Sciences Div., Pasadena, Calif.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings.

Pittsburgh, Pa., Instrument Society of America, 1973, p. 9-15. 57 refs. U.S. Department of Transportation Contract No. AS-20094; Contract No. NAS7-100.

A summary report of the initial results obtained from near-infrared observations of the stratosphere from the Anglo-French SST Concorde is presented, together with the most recent results from previous flights aboard an Air Force NC-135. The measurements were made with a fast Fourier interferometer spectrometer operating in the 1.2- to 7.5-micron range of the infrared with a spectral resolution of 0.25 per cm. For the Concorde experiments, flight times and trajectories were selected which allowed the sun to be viewed near the horizon with the relative solar elevation angle held constant throughout the measurements. Results reported include the identification of features due to N2O, NO, NO2, CO, CO2, CH4, H2O and indications of their latitudinal variations. (Author)

A74-29703 * The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane. H. W. Goldstein, M. H. Bortner, R. N. Grenda, A. M. Karger (General Electric Co., Philadelphia, Pa.), R. Dick, F. David (Barringer Research, Ltd., Toronto, Canada), and P. J. LeBel (NASA, Langley Research Center, Hampton, Va.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America, 1973, p. 17-20. 5 refs. Contract No. NAS1-10139.

A correlation interferometer has been developed for the measurement of carbon monoxide and methane at 2.35 micrometers in the troposphere and in the stratosphere. This instrument has been tested in laboratory tests, solar-looking outdoor tests, and downward-looking airplane-based tests. The aircraft tests were flown on a Falcon fanjet provided by The Canada Centre for Remote Sensing over both polluted and unpolluted regions of North America. The results of these various tests are discussed. Based on the results obtained for carbon monoxide and methane, a study was undertaken to investigate the feasibility of measuring other atmospheric trace species by correlation interferometry. Results of the feasibility study for carbon dioxide, water vapor, ammonia, nitrous oxide, nitric oxide, nitrogen dioxide, sulfur dioxide, and several hydrocarbons are presented. (Author)

A74-29704 Ultra narrow band infrared filter radiometry.

A. E. Roche and A. M. Title (Lockheed Research Laboratories, Palo Alto, Calif.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings.

Pittsburgh, Pa., Instrument Society of America, 1973, p. 21-24. 6 refs.

Recently developed Fabry-Pérot filters are available which have extremely narrow bandwidths and high transmission. The design and the laboratory-measured performance of several recently fabricated ultranarrow band filters of this type are described. An estimation is made of the sensitivity of a scanning photometer using the 5-micrometer filter for the measurement of stratospheric NO. Measured transmission band profiles are presented in a number of graphs. G.R.

A74-29705 Further developments in correlation spectroscopy for remote sensing air pollution. A. R. Barringer, J. H. Davies, and A. J. Moffat (Barringer Research, Ltd., Rexdale, Ontario, Canada). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America,

1973, p. 25-38. 6 refs.

02 ENVIRONMENTAL CHANGES AND CULTURAL RESOURCES

A specific application of correlation spectroscopy is discussed, taking into account the measurement of the total vertical burden of sulfur dioxide and nitrogen dioxide in the atmosphere. Attention is also given to the determination of total gaseous pollutant mass flow. A remote sensing correlation spectrometer is used in the investigation. The sensor is mounted in a vehicle and the zenith sky is used as the source of illumination. Aspects of instrument design are discussed together with questions of sensor calibration. G.R.

A74-29708 Detection of water pollution sources with aerial imaging sensors. C. L. Rudder and C. J. Reinheimer (McDonnell Aircraft Co., St. Louis, Mo.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America, 1973, p. 65-71. U.S. Environmental Protection Agency Contracts No. 68-10-0140; No. 68-01-0178.

The strong potential value of aerial remote sensing for the detection of oil and hazardous materials is shown. Although sensors can collect the necessary data, the actual detection is not accomplished until the data are analyzed and interpreted. The task involved is not simple because the types of pollution are quite varied and can originate in many different kinds of industries. Furthermore, data collected with different types of sensors require different rules for analysis. An interpreter of the data needs guidebooks or keys. The design of such interpretation keys for environmental applications is discussed.

A74-29709 * Standard methods for analysis and interpretation of Lidar data for environmental monitoring. S. H. Melfi (NASA, Langley Research Center, Hampton, Va.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings.

Pittsburgh, Pa., Instrument Society of America, 1973, p. 73-79. 5

Lidar is similar in principle to microwave radar but uses a pulsed laser as the source and an optical telescope as the receiver. Lidar observations of elastic scattering from aerosols and more recently Raman scattering from molecules have been performed in the atmosphere with favorable results. A description of the Lidar technique is provided. Lidar measurements of remote visibility are discussed together with the measurement of remote visibility and the determination of molecular concentrations.

G.R.

A74-29711 A standard method for expressing instrumental performance. R. L. Chapman (Beckman Instruments, Inc., Fullerton, Calif.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America, 1973, p. 91-94. 11 refs.

The desirability of the existence of standard methods for testing instrument performance and expressing it in universally accepted terms is considered. In June of 1971, the International Electrotechnical Commission (IEC) established a Working Group for air and water quality instrumentation. IEC recommendations on instrumentation are discussed. A document circulated to the full IEC parent committee in May of 1973 includes definitions for the most common terms related to functional performance and to conditions of operation, transport, and storage.

G.R.

A74-29712 The application of the Correlation Spectrometer to ambient air quality and source emissions. L. Langan (Environmental Instruments, Inc., San Francisco, Calif.) and A. J. Moffat (Barringer Research, Ltd., Rexdale, Ontario, Canada). In: Joint Conference on Sensing of Environmental Pollutants, 2nd,

Washington, D.C., December 10-12, 1973, Proceedings.
Pittsburgh, Pa., Instrument Society of America, 1973, p. 117-124, 12 refs.

The applications of the Correlation Spectrometer, designed as a remote sensor to measure the content of sulfur dioxide and/or nitrogen dioxide in the open air, have been expanded and compared to other measurement methods for verification of the results. Data accumulated between 1971 and 1973 are used to depict the use of this remote sensor for developing an emission inventory, for describing the distribution of gases and their relationship to ground-level concentrations and as an open-path ambient monitor.

(Author)

A74-29714 * Analysis of laser differential absorption remote sensing using diffuse reflection from the earth. R. K. Seals, Jr. and C. H. Bair (NASA, Langley Research Center, Hampton, Va.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings.

Pittsburgh, Pa., Instrument Society of America, 1973, p. 131-137. 10 refs.

A computer model analysis of an infrared laser differential absorption remote sensing technique (DARS) is presented. An infrared laser source operating at two or more wavelengths and a heterodyne detection system are considered to be mounted on either an aircraft or satellite platform to monitor the differential absorption between the laser source and the earth surface. The capability of this technique for measuring gas concentrations in the lower 5 kilometers of the atmosphere is emphasized. Numerical results are presented simulating measurements of vertical burdens of CO, NO, CH4, CO2, and O3. These results indicate that measurements of expected concentrations of these gases can be made with greater than 80% accuracy using realistic laser powers and system parameters. (Author)

A74-29715 The application of electro-optical techniques to sensing of stationary source pollutants. W. F. Herget (U.S. Environmental Protection Agency, Chemistry and Physics Laboratory, Research Triangle Park, N.C.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America, 1973, p. 155-160.

Nonextractive electrooptical techniques are considered, giving particular attention to those techniques which are applicable to gaseous pollutant analysis. An infrared telespectrometer system is discussed, taking into account remote emission measurements and long-path absorption measurements. Activities related to the application of electrooptical techniques to the sensing of stationary source emissions are also reported.

G.R.

A74-29717 Variations of meteorology, pollutant emissions, and air quality. G. C. Holzworth. In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America, 1973, p. 247-255. 9 refs.

This paper presents information describing various temporal and spatial variations in pollutant emissions, atmospheric transport/diffusion, and air quality that are broadly applicable to large cities in the United States. The overall impact on air quality of the interplay between diurnal variations in emissions and meteorology is described. It is concluded that complete explanations of air quality values measured continuously at specific locations require detailed emission and meteorological information. (Author)

A74-29719 Remote-sensing the stratospheric aerosols. T. J. Pepin (Wyoming, University, Laramie, Wyo.). In: Joint Conference

on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings Pittsburgh, Pa., Instrument Society of America, 1973, p. 333-336.

A description of a remote-sensing experiment to measure the vertical concentration of aerosols in the stratosphere is presented. Data from balloon flight tests of the instrument are discussed and satellite experiments under development are described. (Author)

A74-29720 Progress report - Detection of dissolved oxygen in water through remote sensing techniques. A. W. Dybdahl (U.S. Environmental Protection Agency, Office of Enforcement and General Council, Denver, Colo.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America, 1973, p. 337-341. Research supported by the U.S. Environmental Protection Agency.

Description of a technique for the quantitative detection of dissolved oxygen concentrations in water through remote sensing by airborne infrared photography. Densitometric analysis of the exposed film, together with ground truth, is used for generating a calibration curve. This technique has provided an accuracy of better than plus or minus 1 ppm in healthy bay and ocean waters. M.V.E.

A74-29721 Monitoring coastal water properties and current circulation with spacecraft. V. Klemas, M. Otley, C. Wethe (Delaware, University, Newark, Del.), and R. Rogers (Bendix Corp., Aerospace Systems Div., Ann Arbor, Mich.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings. Pittsburgh, Pa., Instrument Society of America, 1973, p. 343-354. 15 refs.

Imagery and digital tapes from nine successful ERTS-1 passes over Delaware Bay during different portions of the tidal cycle have been analyzed with special emphasis on turbidity, current circulation, waste disposal plumes and convergent boundaries between different water masses. ERTS-1 image radiance correlated well with Secchi depth and suspended sediment concentration. Circulation patterns observed by ERTS-1 during different parts of the tidal cycle, agreed well with predicted and measured currents throughout Delaware Bay. Convergent shear boundaries between different water masses were observed from ERTS-1. In several ERTS-1 frames, waste disposal plumes have been detected 36 miles off Delaware's Atlantic coast. The ERTS-1 results are being used to extend and verify hydrodynamic models of the bay, developed for predicting oil slick movement and estimating sediment transport. (Author)

A74-29723 Coast Guard Airborne Remote Sensing System. B. C. Mills (U.S. Coast Guard, Ocean Engineering Div., Washington, D.C.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings.

Pittsburgh, Pa., Instrument Society of America, 1973, p. 363-367.

The Airborne Remote Sensing System is the Coast Guard's initial program to use state-of-the-art technology to assist in their program of coastal zone pollution monitoring. The program has outfitted six U-16E (Grumman Albatross) aircraft with sensors capable of real time detection of petroleum pollutants and a recording system furnishing a permanent record of any pollutants detected. The equipment was designed for daylight operation with one channel usable for night time operation.

A74-29724 An airborne laser fluorosensor for the detection of oil on water. H. H. Kim (NASA, Wallops Station, Wallops Island, Va.) and G. D. Hickman (Sparcom, Inc., Alexandria, Va.). In: Joint Conference on Sensing of Environmental Pollutants, 2nd, Washington, D.C., December 10-12, 1973, Proceedings.

Pittsburgh, Pa., Instrument Society of America, 1973, p. 369-371. 8 refs.

The successful operation of an airborne laser fluorosensor system is reported that makes it possible to detect and map surface oil, either of natural-seepage or spill origin, on large bodies of water. Preliminary results indicate that the sensitivity of the instrument exceeds that of conventional passive remote sensors currently available for oil spill detection.

M.V.E.

A74-30397 * # Jet engine soot emission measured at altitude.

J. M. Rosen (Wyoming, University, Laramie, Wyo.) and R. Greegor (Boeing Co., Seattle, Wash.). Journal of Aircraft, vol. 11, Apr. 1974, p. 243-245. 5 refs. Grant No. NGR-51-001-028.

The state of knowledge concerning engine design to minimize air pollution is believed to be such that emission products can be reliably predicted while the engine is still on the drawing board. More effort is now being made to measure emission products from engines operating under cruise conditions. The use of an instrumented aircraft to obtain the appropriate data is perhaps a more realistic and less expensive approach. The results of this study taken at face value indicate that the emission index of typical jet engines calculated from the ground level measurements is comparable to the actual in-flight emission index for altitudes up to 30,000 ft.

A74-30685 Calibrated remote measurement of NO2 using the differential-absorption backscatter technique. W.-B. Grant, R. D. Hake, Jr., E. M. Liston, R. C. Robbins, and E. K. Proctor, Jr. (Stanford Research Institute, Menlo Park, Calif.). Applied Physics Letters, vol. 24, June. 1, 1974, p. 550-552. 20 refs. NSF Grant No. Gil-38986.

A tunable dye laser, operating between 4400 and 4500 A, was used to monitor NO2 concentrations in a sample chamber 365 m away. The atmosphere in front of and behind the chamber acted as a distributed reflector to send laser light back through the chamber to a receiver near the laser. The laser measurements agreed well with in situ measurements. A single pair of laser pulses allowed the determination of NO2 concentrations with an uncertainty equivalent to 0.05 km ppm. (Author)

A74-30794 * Estimating population from photographically determined residential land use types. S. P. Kraus, L. W. Senger (Dames and Moore, Santa Barbara, Calif.), and J. M. Ryerson (California State Department of Transportation, San Francisco, Calif.). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 35-42. 13 refs. Grant No. NGL-05-003-404.

The study reported was concerned with the development of a methodology for updating published census data during intercensal periods. The new approach utilizes aerial photographs as a primary data source. The methodology, which was devised for estimating the population size of four cities in California, consisted of a simple function relating the measured area of three dominant residential land use types and the characteristic spatial population densities associated with each.

G.R.

A74-30797 Suspended solids analysis using ERTS-A data. H. Kritikos, L. Yorinks (Pennsylvania, University, Philadelphia, Pa.), and H. Smith (U.S. Environmental Protection Agency, Philadelphia, Pa.). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 69-78. 19 refs.

The magnetic digital tapes of the imagery obtained by ERTS-A on September 23, 1972, have been analyzed for selected areas of the Potomac River. A statistical analysis of all four bands has been carried out. The results show that band III is useful in determining the water-to-land interface. Data on bands II suggest the existence of three distinct types of water - those having low, medium, and high

02 ENVIRONMENTAL CHANGES AND CULTURAL RESOURCES

reflectivity. From previously published results and ground truth measurements the areas of high reflectivity were identified as containing high concentrations of suspended solids. Areas of low reflectivity were identified as having relatively lower concentrations of suspended solids. A commonly used computer technique with some additional refinements has been used to generate thematic maps which identify the above areas and show their geographical distribution. (Author)

A74-30799 ERTS-1 views an oil slick. H. G. Stumpf and A. E. Strong (NOAA, National Environmental Satellite Service, Hillcrest Heights, Md.). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 87-90. 7 refs.

A74-31000 # Toward a methodical study of the environment (Vers une étude méthodique de l'environnement). J. L. Dulemba (Université de Franca, São Paulo, Brazil). Industries Atomiques et Spatiales, vol. 18, Mar. Apr. 1974, p. 49-60. 20 refs. In French

Technical developments relating to teledetection of natural resources are described, as well as the methodical study of the terrestrial environment, which is carried out by airborne studies as well as use of artificial satellites fitted with modern devices, such as the multispectral scanning system (MSS) embarked on board the ERTS-1 Earth Resources Technology Satellite. Attention is also given to the most important space studies being carried out in Brazil. The article is illustrated by the example of a comparative interpretation of two images of different spectral band, transmitted to the earth by the ERTS-1 satellite, treating the region of the Middle Valley of the river São Francisco (north of the state of Bahía and south of state of Piauí).

A74-31870 * Measurement of air pollutants from satellites. I - Feasibility considerations. C. B. Ludwig, M. Griggs, W. Malkmus, and E. R. Bartle (Science Applications, Inc., La Jolla, Calif.). Applied Optics, vol. 13, June 1974, p. 1494-1509. 55 refs. Contract No. NAS1-10466

The feasibility of observing air pollutants from satellite-borne sensors is investigated. Radiative transfer calculations, using both line-by-line and band-model methods, are made to establish the signal changes that originate from the presence of various amounts of pollutants in the atmosphere. The effect of interfering species is considered. (Author)

A74-33071 Detecting and monitoring oil slicks with aerial photos. K. N. Vizy (Eastman Kodak Co., Rochester, N.Y.). *Photogrammetric Engineering*, vol. 40, June 1974, p. 697-708. 44 refs.

Quantitative results of tests conducted to determine the feasibility of using aerial photographic techniques for the detection and monitoring of oil slicks are presented. Three petroleum products were selected as being typical of oil pollution: gasoline, Diesel fuel, and spent automotive lubricating oil. Slicks of these products on water from the Genesee River were then photographed in several spectral regions. Significant detection capability was found in the ultraviolet and blue regions of the spectrum, less in the near-infrared, and almost none in the green and red.

P.T.H.

A74-35500 Land use mapping using ERTS multispectral imagery (Landnutzungskartierung nach ERTS-Multispektral-Bildern). H. Helbig (Deutsche Forschungs- und Versuchsanstalt für Luft- und Raumfahrt, Institut für Satellitenelektronik, Oberpfaffenhofen, West

Germany). Bildmessung und Luftbildwesen, vol. 42, July 1, 1974, p. 123-125. In German.

ERTS multispectral scanning imagery in three bands (green, red, and infrared) of Munich and its environs was evaluated for its use in constructing land use maps. Lakes and ponds could easily be distinguished, although narrow channels of water did not show up clearly except in those compositions where they are no longer uniquely represented (i.e. settled areas and pine forests show up at same intensity). Pine forest regions were also readily distinguishable.

P.T.H.

A74-35906 * # Application of infrared line models in the detection of atmospheric pollutants. S. N. Tiwari (Old Dominion University, Newport News, Va.) and H. G. Reichie (NASA, Langley Research Center, Hampton, Va.). American Institute of Aeronautics and American Society of Mechanical Engineers, Thermophysics and Heat Transfer Conference, Boston, Mass., July 15-17, 1974, AIAA Paper 74-651. 8 p. 25 refs. Members, \$1.50; nonmembers, \$2.00.

The total absorptions of the three line profiles, Lorentz, Doppler, and Voight, are compared for a range of intervening parameters. It is found that, for the intermediate path lengths, the use of the combined Lorentz-Doppler (Voight) line profile is essential in calculating the atmospheric transmittance. The line-by-line model transmittance expression is incorporated in the atmospheric radiative flux equation. This equation, in turn, is utilized to determine the pollutant concentration in the atmosphere from the data obtained by the radiation measurement from an aircraft- or satellite-mounted instrument. (Author)

A74-37844 * # Statistical interpretation of pollution data from satellites. G. L. Smith, R. N. Green, and G. R. Young (NASA, Langley Research Center, Space Applications and Technology Div., Hampton, Va.). American Institute of Aeronautics and Astronautics, Mechanics and Control of Flight Conference, Anaheim, Calif., Aug. 5-9, 1974, Paper 74-852. 11 p. 7 refs. Members, \$1.50; nonmembers, \$2.00.

The NIMBUS-G environmental monitoring satellite has an instrument (a gas correlation spectrometer) onboard for measuring the mass of a given pollutant within a gas volume. The present paper treats the problem: How can this type measurement be used to estimate the distribution of pollutant levels in a metropolitan area. Estimation methods are used to develop this distribution. The pollution concentration caused by a point source is modeled as a Gaussian plume. The uncertainty in the measurements is used to determine the accuracy of estimating the source strength, the wind velocity, diffusion coefficients and source location. (Author)

N74-21845*# Boulder Area Growth Study Commission, Colo. EXPLORING OPTIONS FOR THE FUTURE: A STUDY OF GROWTH IN BOULDER COUNTY. VOLUME 3: ENVIRON-MENTAL CONSTRAINTS AND OPPORTUNITIES Final Report

Nov. 1973 388 p refs (Grant NGL-06-003-200)

(NASA-CR-138177; PB-226265/7GA; CPA-CO-08-00-0111-3) Avail: NTIS HC \$21.50 CSCL 13B

An environmental inventory of Boulder County and land use recommendations derived from the inventory are given. The inventory, which includes data on bedrock and surficial geology, vegetation, climate, soils, mineral and water resources, wildlife, and natural hazards, was compiled from existing data and augmented, where necessary, by information obtained from high altitude aircraft imagery.

N74-21901# Battelle-Northwest, Richland, Wash.
EVALUATION OF A HIGH VOLUME CASCADE PARTICLE
IMPACTOR SYSTEM

G. A. Sehmel Sep. 1973 14 p refs Presented at Am. Chem. Soc. 2d Joint Conf. on Sensing of Environ. Pollutants, Washington, D. C., 10 Dec. 1973

(Contract AT(45-1)-1830)

(BNWL-SA-4677; Conf-731205-2) Avail: NTIS HC \$3.00

Commercially available 20 cfm cascade impactors were evaluated under field sampling conditions for particle sampling bias caused by interstage losses and by non-wind direction sampler orientation. An integrated sampler using an impactor and a wind direction self-orienting cowl attachment decreased particle sampling bias.

Author (NSA)

N74-21967*# American Univ., Washington, D.C.
PRELIMINARY REPORT ON SAND-STREAMING IN
AGADEZ AND TAHOUA DEPARTMENTS, REPUBLIC OF

AGADEZ AND TAHOUA DEPARTMENTS, REPUBLIC OF NIGER
N. H. MacLeod, Principal Investigator, J. S. Schubert, R. A. Finale,

and D. D. Kurtz [1974] 1 p ERTS (Contract NAS5-21889)

(E74-10442; NASA-CR-137425) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-21969*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.

STUDY OF RECREATIONAL LAND AND OPEN SPACE USING SKYLAB IMAGERY Monthly Progress Report, Mar. 1974

Irvin J. Sattinger, Principal Investigator 10 Apr. 1974 3 p. EREP

(Contract NAS9-13283)

(E74-10444; NASA-CR-137433; ERIM-103300-23-L) Avail: NTIS HC \$4.00 CSCL 08B

The author has identified the following significant results. SI90B color photography has adequate resolution to detect or identify many natural and cultural features which are significant for the evaluation of recreational land and open space. The effectiveness of the interpretation could be improved if coverage were obtained at two or three different seasons so that indicators such as seasonal changes in vegetation cover or snow enhancement could aid the interpretation of land use and land cover. The degree of detail which can be observed from SI90B photography makes it useful for the following purposes: (1) Photography can be used to obtain general familiarity with a large regional area, and to study interrelationships of major natural and cultural features within the area. (2) Existing recreational facilities such as golf courses, parks, stadiums, race tracks, and marinas can be detected and identified. (3) The photography can be used for initial selection of recreation sites. (4) It would also indicate trends in population growth, which constitute one type of information needed in estimating the growth of recreation demand. The photography has only limited use for planning individual site planning of parks, golf courses, and other recreation facilities.

N74-21973*# National Aeronautics and Space Administration. John F. Kennedy Space Center, Cocoa Beach, Fla.

PLANNING APPLICATIONS IN EAST CENTRAL FLORIDA Progress Report, 1 Oct. 1973 - 31 Mar. 1974

John W. Hannah, Garland L. Thomas, and Ferd Esparza, Principal Investigators 31 Mar. 1974 27 p refs Prepared in cooperation with Brevard County Planning Dept. Titusville, Fla. Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls,

S. D. 57198 ERTS

(Contract NAS5-21847)

(E74-10448; NASA-TM-X-70152) Avail: NTIS HC \$4.50 CSCL ORB

There are no author-identified significant results in this report.

N74-21975*# Ohio Dept. of Economic and Community Development, Columbus.

[EVALUATE THE POTENTIAL OF SKYLAB PHOTOGRAPHIC AND INFRARED IMAGERY FOR ENVIRONMENTAL QUALITY, AGRICULTURAL AND FORESTRY, AND GEOGRAPHIC APPLICATIONS IN THE STATE OF OHIO] Quarterly Progress Report, Jan. - Mar. 1974

David C. Sweet, Principal Investigator 10 Apr. 1974 18 p EREP

(NASA Order C-21372-C)

(E74-10450; NASA-CR-137439) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-21997*# Geological Survey, Reston, Va. Geographic Applications Program.

URBAN AND REGIONAL LAND USE ANALYSIS: CARETS AND CENSUS CITIES EXPERIMENT PACKAGE Monthly Progress Report, Jan. - Mar. 1974

Robert H. Alexander, Principal Investigator and Valerie A. Milazzo 20 Mar. 1974 6 p EREP

(NASA Order T-5290-B)

(E74-10473; NASA;CR-136874) Avail: NTIS HC \$4.00 CSCL 088

There are no author-identified significant results in this report.

N74-21999*# Mitre Corp., McLean, Va.

INVESTIGATION OF ENVIRONMENTAL INDICES FROM THE EARTH RESOURCES TECHNOLOGY SATELLITE Final Report, Aug. 1972 Feb. 1974

Richard S. Greeley, Principal Investigator, E. A. Ward, J. C. Elliott, E. J. Friedman, E. L. Riley, and S. Stryker Feb. 1974 393 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NASS-21842)

(E74-10475; NASA-CR-136876; M74-37) Avail: NTIS HC \$22.75 CSCL 05B

The author has identified the following significant results. Land use change, water quality, and air quality indices have been calculated from analysis of ERTS-1 multispectral scanning imagery and computer compatible tapes. Specifications have been developed and discussed for an ERTS-1 environmental monitoring system which help to serve the information needs of environmental managers at the Federal, state, regional, and local level. General conclusions of the investigation are that ERTS-1 data is very useful in land use mapping and updating to 10-15 categories, and can provide an overall measure of air and water turbidity; however, more and better ground truth and possibly additional spacecraft sensors will be required if specific air and water pollutants are to be quantified from satellite data.

N74-22007*# Ohio Dept. of Economic and Community Development, Columbus.

RELEVANCE OF ERTS TO THE STATE OF OHIO Progress Report, Jan. Feb. 1974

David C. Sweet, Principal Investigator Feb. 1974 14 p Prepared for Battelle Columbus Labs. ERTS

02 ENVIRONMENTAL CHANGES AND CULTURAL RESOURCES

(Contracts NAS5-21782; BCL-72-17/G-1793) (E74-10483; NASA-CR-136879) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-22020* California Univ., Riverside. Dept. of Earth Sciences.

USE OF SKYLAB DATA TO ASSESS AND MONITOR CHANGE IN THE SOUTHERN CALIFORNIA ENVIRON-MENT; THE CALIFORNIA DESERT PROGRAM - RESOURCE INVENTORY AND ANALYSIS

Robert N. Colwell, Leonard W. Bowden, and Wes Chambers, Principal Investigators In its An Integrated Study of Earth Resources in the State of Calif. Based on Skylab and Supporting Aircraft Data 28 Feb. 1974 4 p Prepared in cooperation with Bureau of Land Management, Riverside, Calif. EREP

CSCL 081

There are no author-identified significant results in this report.

N74-22022*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.

[INFRARED, RADAR, AND OPTICAL APPLICATIONS OF ERTS DATA] Bimonthly Report, 1 Jan. - 28 Feb. 1974
F. C. Polcyn, F. J. Thomson, M. Leonard Bryan, I. J. Sattinger, W. A. Malila, R. F. Nalepka, C. T. Wezernak, R. Horvath, and R. K. Vincent, Principal Investigators 26 Mar., 1974 36 p Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux

Fall, S. D. 57198 ERTS (Contract NAS5-21783)

(E74-10497; NASA-CR-136902; ERIM-193300-4-L; BMR-8)

Avail: NTIS HC \$5.00 CSCL 08B

There are no author-identified significant results in this report.

N74-22132# Philco-Ford Corp., Newport Beach, Calif. Aeronutronic Div.

INSTRUMENT TO MONITOR CH4, CO, AND CO2 AUTO EXHAUST Final Report

D. E. Burch and J. D. Pembrook Oct. 1973 47 p refs (Contract EPA-68-02-0587)

(PB-226438/0GA; EPA-650-2-73-030) Avail: NTIS HC \$3.00 CSCL 07D

An infrared analyzer employing gas cell correlation techniques and thermoelectrically cooled photodectors has been designed and constructed to measure the concentrations of methane, carbon monoxide, and carbon dioxide in automotive exhausts. A wide dynamic detection range is made possible by employing two different sample cell lengths for each gas. The concentrations of the three gases are measured simultaneously eand independently. Discrimination against other gases in the automotive exhaust is very good. (Modified author abstract)

N74-22621# Army Engineer Waterways Experiment Station, Vicksburg, Miss.

APPLICATION OF REMOTE SENSORS TO ARMY FACILITY MANAGEMENT Final Report

Lewis E. Link, Jr. and John H. Shamburger Feb. 1974 172 p refs

(DA Proj. 4A6-62707-A-890)

(AD-775407: AEWES-TR-M-74-2) Avail: NTIS CSCL 15/5 A study was conducted to determine the feasibility of applying remote sensing techniques to Army needs for data in environmental monitoring, resource management, and master planning at multipurpose military installations in the continental United States. The environmental data requirements for these purposes were defined, and a general assessment was made of the applicability of current photographic, thermal infrared, and microwave imaging systems to obtain these data. Aerial photographic techniques were found to be the ones most generally applicable to acquisition of data relevant to basic environmental conditions. Prototype products, consisting of maps of basic environmental conditions, cultural features, and land use were produced from aerial photography of Fort Belvoir, Virginia, and a surrounding area. (Modified author abstract)

N74-22973*# Mississippi State Univ., State College.
APPLICATION OF REMOTE SENSING TO STATE AND
REGIONAL PROBLEMS Semiannual Progress Report, 1 Nov.
1973 - 30 Apr. 1974

C. W. Bouchillon, W. F. Miller, H. Landphair, and V. L. Zitta 30 Apr. 1974 19 p

(Grant NGL-25-001-054)

(NASA-CR-138394; SAPR-1) Avail: NTIS HC \$4.00 CSCL 08B

The use of remote sensing techniques to help the state of Mississippi recognize and solve its environmental, resource, and socio-economic problems through inventory, analysis, and monitoring is suggested.

Author

N74-22976*# Louisiana State Univ., Baton Rouge. Div. of Engineering Research.

REMOTE SENSING AS AN AID FOR MARSH MANAGE-MENT

James G. Ragan and John H. Green (Nicholls State Univ.) Dec. 1973 33 p refs

(Grant NGL-19-001-105)

(NASA-CR-138256; AOP-4) Avail: NTIS HC \$4.75 CSCL 08H

NASA aerial photography, primarily color infrared and color positive transparencies, is used in a study of marsh management practices and in comparing managed and unmanaged marsh areas. Weir locations for tidal control are recommended.

N74-23189# Stanford Research Inst., Menlo Park, Calif.
LIDAR STUDIES OF STACK PLUMES IN RURAL AND
URBAN ENVIRONMENTS Final Report

Warren B. Johnson, Jr., Robert J. Allen, and William E. Evans Oct. 1973 112 p refs

(Contract CPA-70-49)

(PB-227347/2; EPA-650/4-73-002) Avail: NTIS HC \$4.50 CSCL 148

Experimental results are presented from field studies of smoke plume diffusion and pollution-layer structure in both rural and urban areas, using the Mark 8 mobile lidar (laser radar) system. This system was first applied to study the behavior of smoke plumes from the 250-m stacks of a large coal-burning power plant. Examples from the study of characteristic changes in plume diffusion and low-level aerosol structure resulting from time-varying meteorological conditions are presented in the form of vertical plume cross sections. Helicopter measured SO2 cross sections and the lidar-obtained smoke cross sections are compared on a case-study basis. The mobile tidar observations in urban areas reveal significant variabilities in the pollution-layer structure associated with urban effects, transitional meteorological conditions, and apparent convective influences.

GRA

N74-23480*# Louisiana State Univ., New Orleans. Div. of Business and Economic Research.

APPLICATIONS OF SATURN/APOLLO AUTOMATED DATA SYSTEM CAPABILITIES TO PROBLEMS AND ENVIRON-MENTAL IMPACTS OF URBAN TRANSPORTATION Final Report, 6 Oct. - 30 Nov. 1973

Gordon A. Saussy 4 Feb. 1974 7 p

(Contract NAS8-28955)

(NASA-CR-120218) Avail: NTIS HC \$4.00 CSCL 13F

The work plan to achieve the objectives of this project is presented. Tasks discussed include ground truth, remotely sensed data, and the correlation of ground truth and the remotely sensed data.

F.O.S.

N74-25842*# Vermont Univ., Burlington. Dept. of Geogra-

ENVIRONMENTAL STUDY OF ERTS-1 IMAGERY: LAKE CHAMPLAIN AND VERMONT Final Report

A. O. Lind, Principal Investigator Apr. 1974 92 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21753)

(E74-10517; NASA-CR-138267) Avail: NTIS HC \$7.75 CSCL 08H

There are no author-identified significant results in this report.

N74-25844*# Tri-State Regional Planning Commission, New York.

INVESTIGATION OF SKYLAB IMAGERY FOR REGIONAL PLANNING Quarterly Progress Report, 22 Aug. - 31 Dec. 1973

William Harting, Principal Investigator 31 Dec. 1973 1 p

(Contract NAS9-13266)

(E74-10522; NASA-CR-138271; QPR-2) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-25847*# Environmental Research Inst. of Michigan, Ann Arbor.

STUDY OF RECREATIONAL LAND AND OPEN SPACE USING SKYLAB IMAGERY Monthly Progress Report, Apr. 1974

Irvin J. Sattinger, Principal Investigator 17 May 1974 2 p

(Contract NAS9-13283)

(E74-10529; NASA-CR-138278; ERIM-103300-25-L) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-25849*# Delaware Univ., Newark. Coll. of Marine Studies.

INVENTORIES OF DELAWARE'S COASTAL VEGETATION AND LAND-USE UTILIZING DIGITAL PROCESSING OF ERTS-1 IMAGERY Report on Significant Results

V. Klemas, Principal Investigator, D. Bartlett, R. Rogers (Bendix Corp., Ann Arbor, Mich.), and L. Reed (Bendix Corp., Ann Arbor, Mich.) 24 May 1974 2 p ERTS

(Contract NAS5-21837)

(E74-10531; NASA-CR-138280) Avail: NTIS HC \$4.00 CSCL 08A

. There are no author-identified significant results in this report.

N74-25885*# Colorado Univ., Boulder. Inst. of Arctic and Alpine Research.

THE APPLICATION OF SPACE TECHNOLOGY TO PRACTICAL PROBLEMS SUCH AS THOSE CURRENTLY FACING THE MOUNTAIN SECTIONS OF THE STATE OF COLORADO Semiannual Report, 1 Jan. - 30 Jun. 1974

Jack D. Ives 4 Jun. 1974 7 p refs

(Grant NGL-06-003-200)

(NASA-CR-138500) Avail: NTIS HC \$4.00 CSCL 08L

Rapid growth in small Colorado mountain communities and dangers posed by development in areas that are potentially dangerous to life and property due to natural processes are studied. Special attention was given to snow avalanche, mudflow, rockfall, landslide and flood, as well as the slow continuous and frequently imperceptible form of soil creep and associated mass movement. Data are also given on the relative reliability of ERTS and Skylab imagery and conventional photography in identifying avalanche paths and run out zones.

N74-26861*# Tri-State Regional Planning Commission, New York.

INVESTIGATION OF SKYLAB IMAGERY FOR REGIONAL PLANNING Quarterly Progress Report, 1 Jan. - 31 Mar. 1974

William Harting, Principal Investigator 31 Mar. 1974 1 p

(Contract NAS9-13266)

(E74-10523; NASA-CR-138272; QPR-3) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-26863°# Cornell Univ., Ithaca, N.Y. New York State Coll. of Agriculture and Life Sciences.

EVALUATION OF SKYLAB IMAGERY AS AN INFORMATION SERVICE FOR INVESTIGATING LAND USE AND NATURAL RESOURCES (SKYLAB) Progress Report, 1-30 Apr. 1974 2 p FREP

(Contract NAS9-13364)

(E74-10527; NASA-CR-138276) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-26878*# Mississippi State Univ., State College. Inst. for Environmental Studies.

APPLICATION OF REMOTE SENSING TO STATE AND REGIONAL PROBLEMS Semiannual Progress Report, 1 Nov. 1973 - 30 Apr. 1974

C. W. Bouchillon, W. F. Miller, H. Landphair, and V. L. Zitta 30 Apr. 1974 20 p

(Grant NGL-25-001-054)

(NASA-CR-138618; SAPR-1) Avail: NTIS HC \$4.00 CSCL 08B

The state of Mississippi is the task site for the Remote Sensing Applications Program which attempts to recognize and solve the state's environmental, resource, and socio-economic problems through inventory, analysis, and monitoring by appropriate remote sensing systems. Several specific projects are summarized according to objectives, accomplishments, and future plans. A terrain analysis workshop is outlined, and the staff and state agencies participating in the program are listed.

A.A.D.

N74-26910°# Louisiana State Univ., Baton Rouge. Div. of Engineering Research.

REMOTE SENSING AS AN AID TO ROUTE EVALUATION FOR RELOCATED LOUISIANA HIGHWAY 1

Robert L. Thoms, Charles A. Whitehurst, and Judith Monte, A. Mar. 1974 35 p refs (Grants NGL-19-001-097; NGL-19-001-024)

(NASA-CR-138770; DER-RM-1) Avail: NTIS HC \$4.75 CSCL

NASA aerial photography in the form of color infrared and color positive transparencies is used as an aid for evaluation of the route proposed for relocated Louisiana Highway 1, between LaRose and Golden Meadow, in South Louisiana. Author

N74-26940# McDonnell Aircraft Co., St. Louis, Mo. Reconnais-

ARIAL DETECTION OF SPILL SOURCES

C. L. Rudder, A. G. Wallace, and C. J. Reinheimer Sep. 1973 32 p refs

(Contract EPA-01-0178)

(PB-228105/3; EPA-R2-73-289) Avail: NTIS MF \$1.45; SOD HC \$0.55 as EP1.23/2:73-289 CSCL 13B

An imagery interpretation key of the petroleum industry was developed for use with an aerial surveillance spill prevention system. Aerial baseline and stereogram photographs as well as aerial multiband, aerial oblique, and ground photographs of oil refineries were obtained for inclusion in the key. Processing systems to convert crude oil to fuel and LPG, gasoline, heavy fuel oils, lubricating oils and asphalt were identified with the help of military oil refinery interpretation keys. Three petrochemical facilities within the the refinery were also located and identified. The identification of potential spill sources as related to processing systems, product storage and disposition of by products and waste was performed.

N74-26942# National Field Investigations Center, Denver, Colo. REMOTE SENSING REPORT, SAN FRANCISCO BAY AREA, APRIL - JULY 1972. VOLUME 1

Apr. 1973 193 p

(PB-227834/9) Avail: NTIS HC \$12.75 CSCL 13B

An aerial remote sensing program, requested by Region 9, was carried out in the San Francisco Bay Area in April and July 1972. The purpose of this aerial reconnaissance program was to fulfill the following objectives: industrial wastes discharges, municipal sewage dispersion and flow patterns.

N74-26943# National Field Investigations Center, Denver, Colo. REMOTE SENSING REPORT, SAN FRANCISCO BAY AREA, APRIL - JULY 1972, VOLUME 2

Apr. 1973 209 p

(PB-227835/6) Avail: NTIS HC \$13.50 CSCL 13B

A series of Geological Survey topographic maps are reported for the location of industrial wastes and sewage discharge in the San Francisco Bay Area. Also included are infrared maps on thermal fields and discharge in the Bay waters. GRA

N74-27391*# Linguistic Systems, Inc., Cambridge, Mass. ARTIFICIAL EARTH SATELLITES INVESTIGATE THE **ENVIRONMENT**

Yuri Y. Vasilevich Zonov Washington NASA Apr. 1974 22 p refs Transl. into ENGLISH from Priroda (Moscow), no. 12, Dec. 1973 p 2-9

(Contract NASw-2482)

(NASA-TT-F-15409) Avail: NTIS HC \$4.25 CSCL 22B

The uses of artificial satellites for studying the processes in the spread of industrial wastes in nature and for achieving inspections for compliance with legal requirements are discussed. The development of sensors for detecting gaseous emissions from industrial processes is examined. The use of satellite-borne photography for determining the nature of ocean currents and the diffusion processes of turbid waters is examined. Photographic samples of various geographical regions to show pollution detection are included. Author

N74-27768*# Minnesota State Planning Agency, St. Paul. LAND USE MANAGEMENT IN MINNESOTA Progress Report, 1 Mar. - 30 Apr. 1974 Joseph E. Sizer, Principal Investigator 30 Apr. 1974 3 p

ERTS

(Contract NAS5-21801)

(E74-10547; NASA-CR-138296) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-27771*# Environmental Research Inst. of Michigan, Ann. Arbor. Infrared and Optics Div.

OIL POLLUTION DETECTION, MONITORING AND LAW **ENFORCEMENT Quarterly Progress Report**

Robert Horvath, Principal Investigator 19 Jun. 1974 2 p **EREP**

(Contract NAS9-13281)

(E74-10559; NASA-CR-138634; ERIM-101800-12-P; QPR-5) Avail: NTIS HC \$4.00 CSCL 13B

There are no author-identified significant results in this

N74-27805*# Louisiana State Univ., Baton Rouge. Div. of Engineering Research.

REMOTE SENSING AS AN AID TO ROUTE EVALUATION (NASA-CR-138748; AOP-2) Avail: NTIS HC \$5.50 CSCL

Aerial photography in the form of color infrared and color positive transparencies was used as an aid for evaluation of the route proposed for relocated Louisiana Highway 1, between LaRose and Golden Meadows, in South Louisiana.

N74-28824*# Geological Survey, Reston, Va.

URBAN AND REGIONAL LAND USE ANALYSIS: CARETS AND CENSUS CITIES EXPERIMENT PACKAGE Monthly Progress Report, Apr. 1974

Robert Alexander, Principal Investigator, Harry F. Lins, Jr., and James R. Wray 20 Apr. 1974 4 p EREP (NASA Order T-5290-B)

(E74-10581; NASA-CR-138686) Avail: NTIS HC \$4.00 CSCL 08B

The author has identified the following significant results. A number of likely applications and follow-on analyses are suggested by the census cities evaluation of ERTS-1 and Skylab data. Some of these applications are: (1) estimate water use requirements; (2) define urban expansion; (3) document the pattern of residential development and assess quality of residential environment: (4) project future population densities, and estimate changes in population distribution between censuses; (5) assess environmental impact resulting from gradual as well as catastrophic changes.

N74-28826*# Dartmouth Coll., Hanover, N.H. Dept. of Geography.

LAND USE IN NORTHERN MEGALOPOLIS Progress Report

Robert B. Simpson, Principal Investigator 10 Jun. 1974 3 p ref ERTS

(Contract NAS5-21749) (E74-10583; NASA-CR-138688; PR-10) Avail: HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

NTIS

N74-28832*# Delaware Univ., Newark. Coll. of Marine Studies.

INVENTORIES OF DELAWARE'S COASTAL VEGETATION AND LAND-USE UTILIZING DIGITAL PROCESSING OF ERTS-1 IMAGERY

V. Klemas, Principal Investigator, D. Bartlett, R. Rogers, and L. Reed 19 Apr. 1974 5 p refs Presented at the 9th Intern. Symp. on Remote Sensing of Environ., Ann Arbor, Mich., 15-19 Apr. 1974 Prepared in cooperation with Bendix Corp., Ann Arbor, Mich. ERTS (Contract NAS5-21837)

(E74-10590; NASA-CR-138699) Avail: NTIS HC \$4.00 CSCL 08A

The author has identified the following significant results. Analysis of ERTS-1 color composite images using analogy processing equipment confirmed that all the major wetlands plant species were distinguishable at ERTS-1 scale. Furthermore, human alterations of the coastal zone were easily recognized since such alterations typically involve removal of vegetative cover resulting in a change of spectral signature. The superior spectral resolution of the CCTs as compared with single band or composite imagery has indeed provided good discrimination through digital analysis of the CCTs with the added advantage of rapid production of thematic maps and data.

N74-28866*# Geological Survey, Reston, Va. Geographic Applications Program.

SOME FINDINGS ON THE APPLICATIONS OF ERTS AND SKYLAB IMAGERY FOR METROPOLITAN LAND USE ANALYSIS

Robert H. Alexander, Principal Investigator and Valerie A. Milazzo 4 Jun. 1974 17 p refs Presented at 9th Intern. Symp. on Remote Sensing of Environment, Ann Arbor Mich., 15-19 Apr. 1974 Orginal contains imagery. Orginal photography may be purchased from the EROS Data Center 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS and EREP (NASA Order T-5290-8)

(E74-10630; NASA-CR-138740) Avail: NTIS HC \$4.00 CSCL

08B

The author has identified the following significant results. Work undertaken on a three-sensor land use data evaluation for a portion of the Phoenix area is reported. Analyses between land use data generated from 1970 high altitude photography and that detectable from ERTS and Skylab, especially in terms of changes in land use indicate that ERTS and Skylab imagery can be used effectively to detect and identify areas of post-1970 land use change, especially those documenting urban expansion at the rural-urban fringe. Significant preliminary findings on the utility of ERTS and Skylab data for metropolitan land use analysis, substantiated by evaluation with 1970 and 1972 ground control land use data are reported.

N74-28877*# Cornell Univ., Ithaca, N.Y. New York State Coll. of Agriculture and Life Sciences.

EVALUATION OF SKYLAB IMAGERY AS AN INFORMATION SERVICE FOR INVESTIGATING LAND USE AND NATURAL RESOURCES (SKYLAB) Progress Report, 1-31 Jun. 1974 Ernest E. Hardy, Principal Investigator 31 Jun. 1974 3 perep

(Contract NAS9-13364)

(E74-10644; NASA-CR-138826) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-28878* Environmental Research Inst. of Michigan, Ann Arbor.

STUDY OF RECREATIONAL LAND AND OPEN SPACE USING SKYLAB IMAGERY Monthly Progress Report. May 1974

Irvin J. Sattinger, Principal Investigator 1 Jul. 1974 2 p

(Contract NAS9-13283)

(E74-10645; NASA-CR-138827; ERIM-103300-28-L) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-28936*# National Aeronautics and Space Administration. Lewis Research Center, Cleveland, Ohio.

IN SITU MEASUREMENT OF PARTICULATE NUMBER DENSITY AND SIZE DISTRIBUTION FROM AN AIRCRAFT Daniel Briehl 1974 13 p refs Presented at 2d Intern. Conf. on Environ. Impact of Aerospace Operation in the High Atmosphere, San Diego, 8-10 Jul. 1974; sponsored by Am. Meteorol. Soc. and AIAA

(NASA-TM-X-71577; E-8027) Avail: NTIS HC \$3.00 CSCL

Commercial particulate measuring instruments were flown aboard the NASA Convair 990. A condensation nuclei monitor was utilized to measure particles larger than approximately 0.003 micrometers in diameter. A specially designed pressurization system was used with this counter so that the sample could be fed into the monitor at cabin altitude pressure. A near-forward light scattering counter was used to measure the number and size distribution particles in the size range from 0.5 to 5 micrometers and greater in diameter.

03 GEODESY AND CARTOGRAPHY

03 GEODESY AND CARTOGRAPHY

Includes mapping and topography.

A74-31445 # Establishing an automated system for process control of aerial photogeodesic and cartographic production (O sozdanii avtomatizirovannoi sistemy upravleniia tekhnologicheskimi protsessami aerofotogeodezicheskogo i kartograficheskogo proizvodstva). A. N. Lobanov and I. G. Zhurkin. Geodeziia i Kartografiia, Mar. 1974, p. 37-45. 7 refs. In Russian.

A74-32475 # Experiments in complex interpretation of aerial photographs (Opyt kompleksnogo deshifrirovaniia aerosnimkov). L. S. Bogomazov. *Geodeziia i Kartografiia*, Apr. 1974, p. 38-40. In Russian.

Discussion of work in topographic aerial mapping combined with the identification of arable areas and of areas of interest for surveyers, which was undertaken for the production of a revised 1:10,000 map of a densely populated highly developed flat-land intersected by numerous smaller and larger rivers and bordered on by sea coast. It is demonstrated how time and labor can be saved by applying some suitable mapping and interpretation techniques in completing this complex work.

A74-33905 # Cloud shadow calculation for space survey modeling of the earth surface (Raschet tenei oblachnosti pri modelirovanii kosmicheskoi s'emki zemnoi poverkhnosti). B. V. Vinogradov (Akademia Nauk SSSR, Institut Geografii; Moscow, USSR) and A. B. Vinogradov (Leningradskii Gosudarstvennyi Universitet, Leningrad, USSR). Meteorologiia i Gidrologiia, Apr. 1974, p. 37-42. In Russian.

An analytical formula is derived for the relation between a sporadic cumulus cloud cover, the height of the sun, and the additional earth surface area overcast by the cloud shadow. The formula is used to select optimal cloud and cloud shadow conditions for sun-synchronized earth resources survey satellites. Sun's elevation angles from 40 to 45 deg are found to be optimal for earth resources surveys from sun-synchronized satellites.

V.Z.

A74-33906 # Cloud cover effect during earth surface feature identification by visual and photographic observations from space (Vilianie oblachnosti na raspoznavanie zemnoi poverkhnosti pri vizual'nykh nabliudeniiakh i fotografirovanii iz kosmosa). B. V. Vinogradov, V. B. Lipatov, and V. I. Sevast'ianov (Akademiia Nauk SSSR, Institut Geografii, Moscow, USSR). Meteorologiia i Gidrologiia, Apr. 1974, p. 43-50. In Russian.

Sevastianov's visual observations of the earth surface during Soiuz-9 orbiting from 1 to 19 of June, 1970, are discussed with particular attention to the adverse effects of sporadic clouds and their shadows on his capability to recognize surface features. Photographs of the Sal steppe in the Northern Caucasus are analyzed to show how photograph decoding and interpretation can be impeded by the presence of cloud and their shadows. A procedure for reconstruction of earth surface pictures obscured by clouds and cloud shadows is described.

A74-35133 Synthetic interferometer radar for topographic mapping. L. C. Graham (Goodyear Aerospace Corp., Litchfied Park, Ariz.). *IEEE, Proceedings,* vol. 62, June 1974, p. 763-768. 7 refs. USAF-Army-supported research.

The production of topographic maps requires two kinds of information. First, the detail to be placed on the map sheet must be identified. Second, the positions of the various objects and features must be measured in three dimensions. Current airborne radar technology provides the means to satisfy both of these requirements in adverse weather and at any time, day or night. Radar used specifically for this purpose employs synthetic-aperture techniques to obtain fine resolution measurement in two dimensions and interferometry to obtain the third measurement. (Author)

A74-35136 The S-193 radar altimeter experiment. J. T. McGoogan (NASA, Wallops Station, Wallops Island, Va.), L. S. Miller, G. S. Brown, and G. S. Hayne (Applied Science Associates, Inc., Apex, N.C.). *IEEE, Proceedings*, vol. 62, June 1974, p. 793-803. 25 refs.

The Skylab S-193 altimeter experiment utilizes a 10- and 100-ns pulse length, 13.9-GHz earth-pointed radar system to obtain earth-surface backseatter measurements from the Skylab spacecraft. Objectives of the experiment are to obtain precision measurements of surface profile for uses in geodesy, oceanography, and earth physics, and to measure radar-signal characteristics from an earth-orbit geometry to provide design information for future radar remote-sensors. The technical approach is that of measuring the power impulse response of the scattering surface. The hardware is designed to operate in five modes: waveform or impulse-response measurement and altitude determination; radar cross-section experiment; signal correlation experiment; 10-nsec pulse-compression evaluation; and nadir-seeker experiment. (Author)

A74-36376 Photometry of the planet earth from Zond space stations. N. P. Lavrova and A. B. Sandomirskii (Moskovskii Institut Inzhenerov Geodezii, Aerofotos'emki i Kartografii, Moscow, USSR). (Geodeziia i Aerofotos'emka, no. 4, 1972, p. 109-114.) Geodesy and Aerophotography, no. 4-6, 1972, p. 258-261. 7 refs. Translation.

A74-36379 Mathematical analysis of the results of measurements in the orbital method of satellite geodesy. M. S. Urmaev (Moskovskii Institut Inzhenerov Geodezii, Aerofotos'emki i Kartografii, Moscow, USSR). (Geodeziia i Aerofotos'emka, no. 5, 1972, p. 7-15.) Geodesy and Aerophotography, no. 4-6, 1972, p. 280-284. 6 refs. Translation.

A74-36382 Analytic rectification for the compilation of topographic maps and photomaps in a given projection. A. N. Lobanov and I. G. Zhurkin (Moskovskii Institut Inzhenerov Geodezii, Aerofotos'emki i Kartografii, Moscow, USSR). (Geodeziia i Aerofotos'emka, no. 5, 1972, p. 79-88.) Geodesy and Aerophotography, no. 4-6, 1972, p. 315-319. 5 refs. Translation.

A74-36384 Geodesy and space. L. P. Pellinen (Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aerofotos'emki i Kar-

tografii, Moscow, USSR). (Geodeziia i Aerofotos'emka, no. 6, 1972, p. 31-38.) Geodesy and Aerophotography, no. 4-6, 1972, p. 356-360. 18 refs. Translation.

A74-36385 Development of gravimetry and the theory of the figure of the earth. P. F. Shokin and B. P. Shimbirev (Moskovskii Institut Inzhenerov Geodezii, Aerofotos'emki i Kartografii, Moscow, USSR). (Geodeziia i Aerofotos'emka, no. 6, 1972, p. 49-57.) Geodesy and Aerophotography, no. 4-6, 1972, p. 365-369. 8 refs. Translation

A74-36386 Photographic experiments during space flights of several days duration. V. I. Sevast'ianov. (Geodeziia i Aerofotos'emka, no. 6, 1972, p. 69-71.) Geodesy and Aerophotography, no. 4-6, 1972, p. 374, 375. Translation.

N74-21965*# Bendix Corp., Ann Arbor, Mich. Aerospace Systems Div.

AUTOMATED LAND-USE MAPPING FROM SPACECRAFT DATA Special Report

Phillip E. Chase, Principal Investigator, Robert H. Rogers, and Larry E. Reed Mar. 1974 16 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21810)

(E74-10440; NASA-CR-137423) Avail: NTIS HC \$4.00 CSCL 08B

The author has identified the following significant results. In response to the need for a faster, more economical means of producing land use maps, this study evaluated the suitability of using ERTS-1 computer compatible tape (CCT) data as a basis for automatic mapping. Significant findings are: (1) automatic classification accuracy greater than 90% is achieved on categories of deep and shallow water, tended grass, rangeland, extractive (bare earth), urban, forest land, and nonforested wet lands; (2) computer-generated printouts by target class provide a quantitative measure of land use; and (3) the generation of map overlays showing land use from ERTS-1 CCTs offers a significant breakthrough in the rate at which land use maps are generated. Rather than uncorrected classified imagery or computer line printer outputs, the processing results in geometrically-corrected computer-driven pen drawing of land categories, drawn on a transparent material at a scale specified by the operator. These map overlays are economically produced and provide an efficient means of rapidly updating maps showing land use.

Report, 1-31 Mar. 1974
A. G. Mourad and D. M. J. Fubara, Principal Investigators 17 Apr. 1974
9 p. refs EREP

(Contract NAS9-13276)

(E74-10447; NASA-CR-137436; PR-13) Avail: NTIS HC \$4.00 CSCL 08E

There are no author-identified significant results in this report.

N74-21974*# Geological Survey, Reston, Va.
OVERALL EVALUATION OF SKYLAB (EREP) IMAGES FOR

CAPTOGRAPHIC APPLICATION Quarterly Progress Report, 1 Jan. - 31 Mar. 1974

Alden P. Colvocoresses. Principal Investigator 1 Apr. 1974
13 p refs EREP

(NASA Order S-70243-AG-2)

(E74-10449; NASA-CR-137438) Avail: NTIS HC \$4.00 CSCL 08B

The author has identified the following significant results. The importance of photomap products derived from Skylab type imagery for portrayal of previously unmapped (or poorly mapped) areas is recognized as truly significant. Updating of maps of any scale from Skylab type imaging can only be accomplished on a selective basis. Relative positional accuracy commensurate with 1:100.000 scale (SI90A) or even 1:50.000 (S190B) is considered correct. However, many features required on such maps cannot be properly identified or classified from such imagery. The comprehensive updating of larger scale maps requires supplementary photography or ground truth.

N74-21987*# Naval Research Lab., Washington, D.C.
TERRAIN PROPERTIES AND TOPOGRAPHY FROM SKYLAB
ALTIMETRY Monthly Progress Report, Feb. 1974

Allan Shapiro, Principal Investigator 2 Apr. 1974 3 p EREP (NASA Order T-4716-B)

(E74-10462; NASA-CR-137451) Avail: NTIS HC \$4.00 CSCL 08E

There are no author-identified significant results in this report.

N74-21995*# Geological Survey, Reston, Va.
THE CARTOGRAPHIC APPLICATION OF ERTS/RBV
IMAGERY IN POLAR REGIONS Progress Report, 1 Jan. 28 Feb. 1974

William R. MacDonald, Principal Investigator 1 Mar. 1974 3 p

(NASA Order S-70243-AG-2)

(E74-10470; NASA-CR-136871) Avail: NTIS HC \$4.00 CSCL

The author has identified the following significant results. Preliminary analysis of the late 1973-74 Antarctic imagery, when compared to 1972-73 imagery and existing map sources, clearly shows changes in the ice fronts, glacier movement, and the existence of possible new geographical features.

N74-22021*# Geological Survey, Reston, Va.
INVESTIGATION OF SKYLAB IMAGERY FOR APPLICATION
TO THEMATIC MAPPING Quarterly Progress Report,
1 Jan. - 31 Mar. 1974

Doyle G. Smith, Principal Investigator 15 Apr. 1974 2 p. EREP

(NASA Order T-4649-B)

(E74-10496; NASA-CR-136882) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-22058*# National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.
STRATEGIES FOR ESTIMATING THE MARINE GEOID
FROM ALTIMETER DATA

P. Argentiero, W. D. Kahn, and R. Garza-Robles Apr. 1974 36 p refs Presented at the Natl. Spring Meeting of the Am. Geophys. Union, Washington, D. C., 8-12 Apr. 1974 Submitted for publication

(NASA-TM-X-70637; X-932-74-90) Avail: NTIS HC \$5.00 CSCL 08E

In processing altimeter data from a spacecraft borne altimeter to estimate the fine structure of the marine geoid, a problem is encountered. In order to describe the geoid fine structure, a large number of parameters must be employed and it is not possible to simultaneously estimate all of them. Unless the parameterization exhibits good orthogonality in the data, serious aliasing results. From simulation studies it has been found that amongst several competing parameterizations, the mean free air gravity anomaly model (i.e., Stokes' formula) exhibited promising geoid recovery characteristics. Using covariance analysis techniques, this report provides quantitative measures of the orthogonality properties associated with the above mentioned parameterization. It has been determined that a 5 deg x 5 deg area mean free air gravity anomaly can be estimated with an uncertainty of 1 mgal (40 cm undulation) provided that all free air gravity anomalies within a spherical radius of 10 arc degrees are simultaneously estimated.

N74-23032# Federal Highway Administration, Arlington, Va. Research and Development Demonstration Projects Div. AERIAL ANALYTICAL TRIANGULATION Final Report
David Wolf Dec. 1973 36 p refs
(PB-227276/3; FHWA-RDDP-1-1) Avail: NTIS HC \$3.25 CSCL 08B

This project, as part of the FHWA Demonstration Projects Program, was intended to demonstrate to the Arkansas Highway Department the cost savings that accrue when aerial analytical triangulation is used, rather than ground surveys alone, to develop mapping control for an actual Arkansas project. Aerial analytical trangulation is a technique for minimizing the requirement for costly ground surveys associated with the compilation of topographic maps using aerial photography. Aerial analytical triangulation utilizes a complex mathematical analysis of precise x-y coordinate measurements of artificial images, marked in the triple overlap area of a series of three, adjacent, overlapping aerial photographs, combined with a limited network of ground survey data to develop a complete network of control points for use in stereoscopic mapping. (Modified author abstract)

N74-25843*# Service de la Carte de la Vegetation CNRS. Toulouse (France)

MANAGEMENT OF NATURAL RESOURCES THROUGH AUTOMATIC CARTOGRAPHIC INVENTORY Final Report, Aug. 1972 - Jan. 1974

Paul-Augustin Rey, Yves Gourinard, and Francis Cambou, Principal Investigators May 1974 64 p refs Sponsored by NASA Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(E74-10518; NASA-CR-138268; Rept-6) HC \$6.25 CSCL 08B

The author has identified the following significant results. Significant correspondence codes relating ERTS imagery to ground truth from vegetation and geology maps have been established. The use of color equidensity and color composite methods for selecting zones of equal densitometric value on ERTS imagery was perfected. Primary interest of temporal color composite is stressed. A chain of transfer operations from ERTS imagery to the automatic mapping of natural resources was developed.

N74-25851*# Battelle Columbus Labs., Ohio.
CALIBRATION AND EVALUATION OF SKYLAB ALTIMETRY FOR GEODETIC DETERMINATION OF THE GEOID Progress Report, 1-30 Apr. 1974

A. G. Mourad and D. M. J. Fubara, Principal Investigators 16 May 1974 21 p refs EREP

(Contract NAS9-13276)

(E74-10533; NASA-CR-138282; PR-14) Avail: NTIS HC \$4.25 CSCL 08E

The author has identified the following significant results. An analytical method for geodetic computation of the marine geoid (the geoid in the oceans) from satellite altimetry is developed and validated with data from Skylab mission SL-2. The criteria for achieving accurate scale and orientation of satellite altimetry geoid are shown to require marine geodetic control to offset systematic errors in the orbit (orientation is completely orbit dependent) and the altimeter data.

N74-25854*# Geological Survey Dept., Lobatse (Botswana).
TO ASSESS THE VALUE OF SATELLITE PHOTOGRAPHS IN RESOURCE EVALUATION ON A NATIONAL SCALE Final Report, Sep. 1972 - Apr. 1974

J. V. Hepworth, Principal Investigator and S. M. Hutton 26 Apr. 1974 39 p refs Sponsored by NASA ERTS (E74-10536; NASA-CR-138285) Avail: NTIS HC \$5.00 CSCL ORF

The author has identified the following significant results. The limit of resolution on ERTS imagery is normally acknowledged to be about 60 miles although very long features such as roads and railways which are often less than 10 miles long are easily detectable. An example is the north-south road and railway from Lobatse to Francistown. Vegetation growth from winter to summer is readily monitored on false color imagery. The limits of government ranches and special farming areas can be quite accurately ascertained from ERTS imagery. Another aspect to which ERTS imagery lends itself is the location and demarcation of bush fires, many of which were seen on the first imagery which was acquired at the end of the cold, dry season. As a whole, MSS 7 offers maximum reflectance contrast among black and white imagery and is the wavelength used most for interpretation.

N74-25856*# Geological Survey, Reston, Va.
CARTOGRAPHIC EVALUATION OF SKYLAB-A S-192 SCANNER IMAGES Quarterly Progress Report, 1 Feb. -30 Apr. 1974

John D. McLaurin, Principal Investigator 30 Apr. 1974 3 p. EREP

(NASA Order T-4111-B)

(E74-10538; NASA-CR-138287) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-25890*# Kanner (Leo) Associates, Redwood City, Calif. THE CALCULATION OF CLOUD SHADOWS IN MODELING OF THE EARTH'S SURFACE FROM SPACE SURVEY B. V. Vinogradov and A. B. Vinogradov Washington NASA Jun. 1974 10 p refs Transl. into ENGLISH from Meteorol. i Gidrol. (Moscow), no. 4, Apr. 1974 p 37-42 (Contract NASw-2481) (NASA-TT-F-15685) Avail: NTIS HC \$4.00 CSCL 04A

An analytical formula is presented which describes the relations between sporadic cumulus cloud coverage of the earth's surface, sun height, and additional coverage by cloud shadows and area which can be inspected. It is found that a sun height

of about 40-45 deg is the optimum for surveys of earth resources from a sun synchronous satellite. Author

N74-25902# Air Force Systems Command, Wright-Patterson AFB, Ohio. Foreign Technology Div. SPACE RESEARCH. INVESTIGATION OF THE GRAVITA-TIONAL FIELDS AND THE SHAPE OF THE EARTH, OTHER PLANETS AND THE MOON BY OBSERVATIONS FROM SPACE VEHICLES

L. P. Pellinen Jan. 1974 68 p refs Transl. into ENGLISH from Issled Kosmicheskogo Prostranstva (USSR), 1972. p 10-180

(AD-774398; FTD-MT-24-775-73) Avail: NTIS CSCL 08/5 Contents: Artificial satellites employed for determining the figure and the gravitational field of the earth; Methods of precise observations of artificial earth satellites: Geometric satellite plottings; The theory of artificial earth satellites motion in the gravitational field of the earth; Dynamic conclusions from artificial earth satellite; Fundamental geodetic constants; The orbit, gravitatield and figure on the moon; Determining the figures and the gravitational fields of the major planets.

GRA

N74-25905# Army Foreign Science and Technology Center. Charlottesville, Va.

COMPLEX OF PROGRAMS FOR COMPUTING CO-ORDINATES OF PHOTOGRAPHIC POINTS ON ELEC-TRONIC COMPUTERS USING RESULTS OF RADIOGEODE-SIC MEASUREMENTS

V. N. Balandin 7 Nov. 1973 5 p Transl. into ENGLISH from Geodez. i Kartograf (Moscow), no. 9, 1971 p 47-48 (AD-776104; FSTC-HT-23-1266-72) Avail: NTIS CSCL 08/5

In 1970 the applied research laboratory of Soyuzmarkshtrest jointly with the aeromethod laboratory of the Oceanographic Institute developed a complex of computer programs for the computation of systematic co-ordinates of the photographing reference points from the results of measurement performed with the aid of radiogeodesic systems, acting on the principle of radio range, radio log, and phase probe. The programs are written in ALGOL-60 language and may be used for the electronic computers M-220, BESM-3, BESM-4, BESM-6.

N74-26869*# Ohio State Univ. Research Foundation, Columbus. Dept. of Geodetic Science.

BASIC RESEARCH AND DATA ANALYSIS FOR THE NATIONAL GEODETIC SATELLITE PROGRAM AND FOR THE EARTH AND OCEAN PHYSICS APPLICATION PROGRAM Seminorus Status Report, Jul. - Dec. 1973

Jan. 1974 117 p refs (Grants NGL-36-008-093; NGL-36-008-204; OSURF Proj. 2514; OSURF Proj. 3820-A1)

(NASA-CR-138671; SASR-13) Avail: NTIS HC \$9.00 CSCL 05B

Accomplishments in the continuing programs are reported. The data were obtained in support of the following broad objectives: (1) to provide a precise and accurate geometric description of the earth's surface; (2) to provide a precise and accurate mathematical description of the earth's gravitational field; and (3) to determine time variations of the geometry of the ocean surface, the solid earth, the gravity field, and other geophysical parameters.

N74-27362*# Smithsonian Astrophysical Observatory, Cambridge, Mass.

THE 1973 SMITHSONIAN STANDARD EARTH (3) E. M. Garoschkin, ed. 28 Nov. 1973 405 p refs (Grant NGR-09-015-002)

(NASA-CR-138586; SAO-Special-Rept-353; SAO-311-002) Avail: NTIS HC \$23.25 CSCL 22C

The origins of the satellite geodesy program are described, starting with the International Geophysical Year, continuing through a number of international programs, and culminating with the National Geodetic Satellite Program. The philosophical basis for the Baker-Nunn camera and the laser ranging system, the evolution of international scientific cooperation, and the significance of the results are discussed.

Author

N74-27766 Kansas Univ., Lawrence.
SMALL SCALE LAND USE MAPPING WITH RADAR
IMAGERY Ph.D. Thesis

Floyd Merl Henderson 1973 176 p Avail: Univ. Microfilms Order No. 74-12571

The purpose of this study was to investigate the utility of side-looking airborne radar (SLAR) for general land use mapping at small scale (1:250,000 and smaller) and to obtain an idea of the consistency with which certaintype of borders and regions could be delimited from radar imagery by a given technique or methodology. A strip of unclassified radar imagery was selected that covered several heterogeneous land use regions and was accessible for field verification. The strip selected imaged an area approximately 12 miles wide and 1500 miles long from eastern Minnesota to northern Utah. The imagery was examined to ascertain which features visible on the imagery could be used to develop keys for use regionalization. As a result, the following combination of physical and cultural characteristics were selected: (1) surface configuration; (2) vegetation; (3) field pattern; (4) settlement pattern; and (5) road network. Dissert. Abstr.

N74-27778*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.

[WETLANDS MAPPING OF MICHIGAN FROM ERTS DATA] Bimonthly Report, 1 Mar. - 30 Apr. 1974

F. C. Polcyn, F. J. Thomson, M. Leonard Bryan, I. J. Sattinger, W. A. Malila, R. F. Nalepka, C. T. Wezer, R. Horvath, and R. K. Vincent, Principal Investigators 30 Apr. 1974 4 p ERTS (Contract NAS5-21783)

(E74-10588; NASA-CR-138693; BMR-9) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-27781*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.

GROUND PATTERN ANALYSIS IN THE GREAT PLAINS Bimonthly Progress Report, 1 Feb. - 30 Mar. 1974

John C. Davis, Fawwaz T. Ulaby, Principal Investigators, and James L. McNaughton Mar. 1974 9 p refs ERTS. (Contract NAS5-21822)

(E74-10595; NASA-CR-138704; Rept-2266-10) Avail: NTIS HC \$4.00 CSCL 08B

The author has identified the following significant results. Spatial frequency analysis of ERTS-1 images appears to be useful in discriminating between large scale ground patterns in Kansas. Using parameters derived from the optical data processing of ERTS-1 images, sample areas from large physiographic categories have been accurately identified.

N74-27783*# Naval Research Lab., Washington, D.C.
TERRAIN PROPERTIES AND TOPOGRAPHY FROM SKYLAB
ALTIMETRY Monthly Progress Report, Apr. 1974

Allan Shapiro, Principal Investigator 11 Jun. 1974 1 p EREP (NASA Order T-4716-B)

(E74-10597; NASA-CR-138706) Avail: NTIS HC \$4.00 CSCL ORB

There are no author-identified significant results in this report.

N74-27788*# Battelle Columbus Lábs., Ohio.

CALIBRATION AND EVALUATION OF SKYLAB ALTIMETRY FOR GEODETIC DETERMINATION OF THE GEOID Progress Report. 1-31 MAy 1974

Report, 1-31 MAy 1974
A. G. Mourad, D. M. J. Fubara, Principal Investigators, and M. B. Kuhner 17 Jun. 1974 5 p ref EREP (Contract NAS9-13276)

(E74-10612: NASA-CR-138721: PR-15) Avail: NTIS HC \$4.00 CSCL 08E

There are no author-identified significant results in this report.

03 GEODESY AND CARTOGRAPHY

N74-28821*# Nevada Univ., Reno. Mackay School of Mines.

THE GREAT BASIN INVESTIGATION Monthly Progress Report, Jun. 1974

Jack G. Quade, Principal Investigator Jun. 1974 2 p EREP (Contract NAS9-13274)

(E74-10578; NASA-CR-138683) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-28822*# Battelle Columbus Labs., Ohio.
CAUBRATION AND EVALUATION OF SKYLAB ALTIMETRY
FOR GEODETIC DETERMINATION OF THE GEOID Progress
Report, 1-30, Jun. 1974

Report, 1-30 Jun. 1974

A. G. Mourad, D. M. J. Fubara, Principal Investigator, and M. B. Kuhner 17 Jul. 1974 4 p EREP

(Contract NAS9-13276)

(E74-10579; NASA-CR-138684; PR-16) Avail: NTIS HC \$4.00 CSCL 08E

There are no author-identified significant results in this report.

N74-28847*# Naval Research Lab., Washington, D.C. TERRAIN PROPERTIES AND TOPOGRAPHY FROM SKYLAB ALTIMETRY Monthly Progress Report, May 1974
Allan Shapiro, Principal Investigator 8 Jul. 1974 1 p EREP (NASA Order T-4716-B) (E74-10619; NASA-CR-138692) Avail: NTIS HC \$4.00 CSCL 088

There are no author-identified significant results in this report.

N74-28885*# Houston Univ.. Tex. Wave Propagation Lab. S-193 IMPULSE RESPONSE CROSS CORRELATION Progress Report, Sep. 1973 - Mar. 1974
H. S. Hayre, Principal Investigator 29 Mar. 1974 19 p EREP (Contract NAS9-13462)
(E74-10652; NASA-CR-138864; TR-74-11) Avail: NTIS HC \$4.00 CSCL 058

The author has identified the following significant results. A significant result was the realization that the phase information, normally lost in envelope detection and sampling, could have been preserved if the samples were taken at the peaks of the carrier frequency at intervals equal to a twice or an integral multiple of the integral number of its period. Thus the Skylab S193 Model 1 altimeter data does not contain phase information in accordance with the technical information obtained from NASA and Lockheëd technical personnel. Another significant discovery was to learn that the eight return pulse samples don't belong to the same pulse but represent an average over many pulses.

N74-28924# Northrop Corp., Hawthorne, Calif.
HOLOGRAPHIC STEREOGRAM DISPLAY TECHNIQUES
FOR THE VIEWING AND MENSURATION OF STEREO
PHOTOGRAMMETRIC IMAGERY Final Report, 1 Nov.
1972 - 31 Oct. 1973
J. T. McCrickerd 30 Nov. 1973 59 p refs

J. T. McCrickerd 30 Nov. 1973 59 p refs (Contract DAAK02-73-C-0037; DA Proj. 4A1-61102-8-52C) (AD-778790; NRTC-73-51R) Avail: NTIS CSCL 08/2

Holographic stereograms, holograms of stereo-pair aerial-photos, are measured to determine geographical coordinates of terrain features. The holograms are stereoscopically viewed and measured in three dimensions through a conventional binocular-eyepiece microscope. A pair of cross-hair reticles in the eyepieces give the illusion of a floating cursor which, to facilitate mensuration, can be moved throughout the breadth and depth of the 3-D terrain display. Microscope dial readings are interpreted by

geometrical formulae to yield coordinates of terrain features. Measurements are made relative to reference points, which appear as a three-dimensional array in the display. Aerial photo distortions are compensated by proper placement of the points.

Author (GRA)

N74-29057 Joint Publications Research Service, Arlington, Va. CALCULATING CLOUD SHADOWS WHEN SIMULATING A SPACE SURVEY OF THE EARTH'S SURFACE

B. V. Vinogradov and A. B. Vinogradov In its Meteorology and Hydrol. no. 4, 1974 (JPRS-62306) 24 Jun. 1974 p 42-48 refs Transl. into ENGLISH from Meteorol. i Gidrol. (Moscow), no. 4, 1974 p 37-42

An analytical formula is derived which describes the relation between the cover of sporadic cumulus clouds, the sun altitude and the additional cover of the earth's surface by the shadow thrown by the clouds. The sun altitude of about 40-45 degrees is optimized for surveying natural resources from sun synchronized artificial earth satellites.

Author

N74-29058 Joint Publications Research Service, Arlington, Va. EFFECT OF CLOUDS ON RECOGNITION OF THE EARTH'S SURFACE DURING VISUAL OBSERVATIONS AND PHOTOGRAPHY FROM SPACE

B. V. Vinogradov, V. B. Lipatov, and V. I. Sevastyanov In its Meteorology and Hydrol. no. 4, 1974 (JPRS-62306) 24 Jun. 1974 p 49-66 refs Transl. into ENGLISH from Meteorol. i Gidrol. (Moscow), no. 4, 1974 p 43-50

Visual observations of the earth's surface by an astronaut are discussed in the presence of scattered clouds and shadows over the surface. In the example of photographing the Sal'skiye steppes, a significant reduction in the decoding possibilities is demonstrated when there are clouds and shadows from the clouds. The effect of the coverage by scattered and solid simulated clouds on the possibilities of reproducing the images of two types of targets in sections masked by the clouds and their shadows is analyzed.

04 GEOLOGY AND MINERAL RESOURCES

04 GEOLOGY AND MINERAL RESOURCES

Includes mineral deposits, petroleum deposits, spectral properties of rocks, geological exploration, and lithology.

A74-30710 Heat flux estimation in geothermal areas based on the heat balance of the ground surface. M. Sekioka (Defence Academy, Yokosuka, Kanagawa, Japan) and K. Yuhara (National Research Center for Disaster Prevention, Tokyo, Japan). Journal of Geophysical Research, vol. 79, May 10, 1974, p. 2053-2058. 12 refs.

A rapid method was developed for estimation of the difference between geothermal fluxes of two adjacent places, from surface temperatures and some meteorological parameters, based on a heat budget equation for simple vegetation-free ground surfaces. As this method requires simultaneous measurements of the surface temperatures at two places, an infrared radiation thermometer is the most suitable apparatus for this purpose. As an example, the distribution of the geothermal flux from a surface temperature field was estimated by scanning the Owakudani geothermal area, Hakone volcano, with the infrared radiation thermometer. The result was compared with the values of geothermal flux formerly determined by snowfall calorimetry, and it was shown that general patterns of the equi-heat-discharge line obtained by the two different methods are similar.

A74-30798 Thermal infrared imagery of The Burning Mountain coal fire. C. D. Ellyett and A. W. Fleming (Newcastle, University, Newcastle, Australia). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 79-86. 10 refs.

A74-35298 # A superconducting airbourne mineral detection system. W. Vogen and B. Clawson (California, University, Berkeley, Calif.). In: International Cryogenic Engineering Conference, 5th, Kyoto, Japan, May 7-10, 1974, Preprints. Volume 2. (A74-35287 17-26) Tokyo, H. Nagano, University of Tokyo, 1974, p. L6-1 to L6-5.

The development of a superconducting unicoil electromagnetic geophysical exploration system that will yield a ground conductivity map is described. The unicoil concept employs an ac superconducting coil which induces eddy currents into conductive regions in the ground that give rise to secondary magnetic fields, and at the same time serves as a detector of these fields. The ac losses in the flight coils were predicted by testing small solenoids which had similar fields and current levels. Large electrically nonconducting cryostats were developed to test the coils. The complete system will be towed by a helicopter at a height of 30 m above the ground.

A74-35499 Comparison of geological information obtained from satellite and aerial photographs and from ground investigations in the Tibesti Mountains /Chad/ (Vergleich der geologischen Information aus Satelliten- und Luftbildern sowie Geländeuntersuchungen im Tibesti-Gebirge /Tschad/). F. K. List, D. Helmcke, and N. W. Roland (Institut für angewandte Geologie, Berlin, West Germany). Bildmessung und Luftbildwesen, vol. 42, July 1, 1974, p. 116-122. 22 refs. In German.

ERTS-1 multispectral scanning imagery of the Tibesti Mountains was interpreted along with aerial photography of the same region. It was found that certain elements of image interpretation, such as grey tone and texture, play a greater role in the interpretation of satellite pictures than that of aerial photographs. On the basis of some examples, it is shown that satellite imagery may provide a good deal of additional geological information, especially in unfamiliar areas such as the Tibesti Mountains.

A74-36437 • Geophysical subsurface probing with radio-frequency interferometry. J. A. Kong, L. Tsang, and G. Simmons (MIT, Cambridge, Mass.). (International Union of Radio Science, Symposium, Williamsburg, Va., Dec. 15, 1972.) IEEE Transactions on Antennas and Propagation, vol. AP-22, July 1974, p. 616-620. 20 refs. Contract No. NAS9-11540; Grant No. DAAB07-71-C-0300.

The radio-frequency interferometry method can be used to probe interiors of celestial bodies and terrestrial areas with low conductivity. In order to interpret the interference patterns, a theoretical study is made of the electromagnetic fields due to a dipole antenna on the surface of a horizontally stratified n-layered medium. Three approaches are used to calculate the interference patterns: direct numerical integration, asymptotic evaluation by the saddle point method, and a residue series approach. The asymptotic approach leads to the geometrical-optics interpretation. The residue approach leads to modal analysis. The validity of the formulation is checked by comparisons with analog model tank experiments and actual field data obtained from glaciers.

(Author)

N74-21959*# Nevada Univ., Reno. Mackay School of Mines.
THE GREAT BASIN INVESTIGATION Monthly Progress
Report, Apr. 1974

Jack G. Quade, Principal Investigator Apr. 1974 2 p EREP (Contract NAS9-13274)

(E74-10499; NASA-CR-136904) Avail: NTIS HC \$4.00 CSCL 08E

There are no author-identified significant results in this report.

N74-21980*# Iowa Univ., Iowa City. Dept. of Geology. EXPERIMENT TO EVALUATE FEASIBILITY OF UTILIZING SKYLAB-EREP REMOTE SENSING DATA FOR TECTONIC ANALYSIS OF THE BIGHORN MOUNTAINS REGION, WYOMING-MONTANA Quarterly Progress Report, 1 Jan. - 31 Mar. 1974

Richard A. Hoppin, Principal Investigator $\,$ 15 Apr. 1974 $\,$ 4 p EREP

(Contract NAS9-13313)

(E74-10455; NASA-CR-137444) Avail: NTIS HC \$4.00 CSCL 08F

The author has identified the following significant results. Analysis of SL-3, S-190A, and S-190B color frames indicates two sets of linears obliquely cutting across the east-west trending Owl Creek-Bridger uplifts. A northwest set of faults and folds has been mapped previously but the imagery indicates some changes and addition of detail can be made. A less pronounced east-northeast set of linear alignments (drainage segments, lithologic contacts, possible faults) extends into the southeast part of the Big Horn Basin.

N74:21989*# South Carolina State Development Board, Columbia.

APPLICATION OF MULTISPECTRAL PHOTOGRAPHY TO MINERAL AND LAND RESOURCES OF SOUTH CAROLINA Quarterly Progress Report

04 GEOLOGY AND MINERAL RESOURCES

Norman K. Olson, Principal Investigator 5 Apr. 1974 18 n

(Contract NAS8-29617)

(E74-10464; NASA-CR-137453; QPR-3) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this

N74-21990*# Wolf Research and Development Corp., Pocomoke

APPLICABILITY OF SKYLAB REMOTE SENSING FOR DETECTION AND MONITORING OF SURFACE MINING ACTIVITIES Quarterly Progress Report, 1 Jan. - 31 Mar.

R. L. Brooks, Principal Investigator and J. D. Pennewell Apr. 1974 7 p EREP (Contract NAS9-13310)

(E74-10465; NASA-CR-136866; QPR-4) NTIS HC \$4.00 CSCL 081

There are no author-identified significant results in this report.

N74-21992*# Geological Survey, Reston, Va. SATELLITE GEOLOGICAL AND GEOPHYSICAL REMOTE SENSING OF ICELAND Progress Report, 1 Sep. 1973 -

28 Feb. 1974 Richard S. Williams, Jr., Principal Investigator 1 Mar. 1974 49 p refs ERTS

(NASA Order S-70243-AG)

(E74-10467; NASA-CR-136868) Avail: NTIS HC \$5.50 CSCL 08G

The author has identified the following significant results. ERTS-1 imagery provides sufficient resolution to discern two effects of geothermal activity at the Namafjall geothermal area: snowmelt anomalies and delineation of altered ground. The fallout pattern of tephra from Hekla's 1970 volcanic eruption can be mapped where sufficient depth of deposition destroyed the vegetation. Lava flows from the volcanic eruptions at Askja and Hekla can be delineated. Low sun-angle imagery of snowcovered terrain has permitted the mapping of new structural and volcanic features beneath the icecaps. Coastline changes on the islands of Surtsey and Heimaey can be mapped. Variations of sediment plumes from glacial rivers on the south coast give a qualitative indication of seasonal changes in melting rates of glaciers. ERTS-1 imagery has been shown to be especially amenable to portrayal of changing glaciological phenomena: surging glaciers, collapse features in icecaps caused by subglacial volcanic (?) and geothermal activity and resulting jokulhlaups. and variations in size of glacier-margin lakes. A fifth vegetation class has now been added: lichen-covered bedrock. The high latitude permits more precise analysis of landforms, vegetation distribution, occurrence of snow cover, glaciers, and geologic structure.

N74-22004*# Geological Survey, Denver, Colo.

REMOTE SENSING GEOPHYSICS FROM SKYLAB Monthly Report, Jan. 1974

Kenneth Watson, Principal Investigator Jan. 1974 3 p EREP (NASA Order T-6555-B)

(E74-10480; NASA-CR-136883) Avail: NTIS HC \$4.00 CSCL 08E

There are no author-identified significant results in this

N74-22005*#, Geological Survey, Denver, Colo.
REMOTE SENSING GEOPHYSICS FROM SKYLAB Monthly Report, Mar. 1974

Kenneth Watson, Principal Investigator Mar. 1974 2 p EREP (NASA Order T-6555-B)

(E74-10481; NASA-CR-136884) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-22006*# Geological Survey, Denver, Colo.

REMOTE SENSING GEOPHYSICS FROM SKYLAB Monthly Report, Feb. 1974

Kenneth Watson, Principal Investigator Feb. 1974 2 p EREP (NASA Order T-6555-B)

(E74-10482; NASA-CR-136885) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-22011*# Colorado School of Mines, Golden. Dept. of Geology

GEOLOGIC AND MINERAL AND WATER RESOURCES INVESTIGATIONS IN WESTERN COLORADO, USING SKYLAB EREP DATA Monthly Progress Report, Mar. 1974 Kennan Lee, Principal Investigator 20 Apr. 1974 5 p refs FRFP

(Contract NAS9-13394)

(E74-10487; NASA-CR-136888) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-22014*# Bendix Corp., Ann Arbor, Mich. Aerospace Systems Div.

AUTOMATED STRIP-MINE AND RECLAMATION MAPPING

FROM ERTS Special Report

Robert H. Rogers, Principal Investigator, Larry E. Reed (Ohio State Univ.), and Wayne A. Pettyjohn Apr. 1974 15 p Original contains imagery. Original photography may be purchased from the EROS DATA Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21762)

(E74-10490; NASA-CR-136891) Avail: NTIS HC \$4.00 CSCL

The author has identified the following significant results. Computer processing techniques were applied to ERTS-1 computer-compatible tape (CCT) data acquired in August 1972 on the Ohio Power Company's coal mining operation in Muskingum County, Ohio. Processing results succeeded in automatically classifying, with an accuracy greater than 90%: (1) stripped earth and major sources of erosion; (2) partially reclaimed areas and minor sources of erosion; (3) water with sedimentation; (4) water without sedimentation; and (5) vegetation. Computer-generated tables listing the area in acres and square kilometers were produced for each target category. Processing results also included geometrically corrected map overlays, one for each target category. drawn on a transparent material by a pen under computer control. Each target category is assigned a distinctive color on the overlay to facilitate interpretation. The overlays, drawn at a scale of 1:250,000 when placed over an AMS map of the same area. immediately provided map locations for each target. These mapping products were generated at a tenth of the cost of conventional mapping techniques.

N74-22479*# Smithsonian Astrophysical Observatory, Cambridge, Mass.

SKYLAB SHORT-LIVED EVENT ALERT PROGRAM Final Report

Robert A. Citron Feb. 1974 30 p

(Contract NAS9-13474)

(NASA-CR-134262) Avail: NTIS HC \$4.50 CSCL 22C

During the three manned Skylab missions, the Center for Short-Lived Phenomena (CSLP) reported a total of 39 significant events to the Johnson Space Center (JSC) as part of the Skylab Short-Lived Event Alert Program. The telegraphed daily status reports included the names and locations of the events, the track number and revolution number during which the event could be observed, the time (GMT) to within plus or minus 2 sec when Skylab was closest to the event area, and the light condition (daylight or darkness) at that time and place. The messages sent to JSC during the Skylab 4 mission also included information pertaining to ground-truth studies and observations being conducted on the events. Photographic priorities were assigned for each event.

N74-22954*# Colorado School of Mines, Golden. Dept. of Geology.

GEOLOGIC INFORMATION FROM SATELLITE IMAGES

Keenan Lee, Daniel H. Knepper, Principal Investigators, and Don L. Sawatzky 27 Mar. 1974 39 p refs Presented at the 3d Ann. Remote Sensing of Earth Resources Conf., Tullahoma, Tenn., 26 Mar. 1974 Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS and EREP (Contracts NAS9-13394; NAS5-21778; Grant

NGL-06-001-015) (E74-10507; NASA-CR-138230; Rept-74-3) Avail: NTIS HC \$5.00 CSCL 08G

The author has identified the following significant results. Extracting geologic information from ERTS and Skylab/EREP images is best done by a geologist trained in photointerpretation. The information is at a regional scale, and three basic types are available: rock and soil, geologic structures, and landforms. Discrimination between alluvium and sedimentary or crystalline bedrock, and between units in thick sedimentary sequences is best, primarily because of topographic expression and vegetation differences. Discrimination between crystalline rock types is poor. Folds and fractures are the best displayed geologic features. They are recognizable by topographic expression, drainage patterns, and rock or vegetation tonal patterns. Landforms are easily discriminated by their familiar shapes and patterns. It is possible to optimize the scale, format, spectral bands, conditions of acquisition, and sensor systems for best geologic interpretation. Several examples demonstrate the applicability of satellite images

N74-22955*# Colorado School of Mines, Golden. Dept. of Geology.

to tectonic analysis and petroleum and mineral exploration

APPLICABILITY OF REMOTE SENSOR DATA TO GEOLOGIC ANALYSIS OF THE BONANZA TEST SITE COLORADO Semiannual Progress Report, 1 Oct. 1973 - 31 Mar. 1974 Daniel H. Knepper, Keenan Lee, Principal Investigators, R. W. Butler, J. C. Fisher, and D. Huntley May 1974 30 p refs ERTS

(Grant NGL-06-001-015)

(E74-10508; NASA-CR-138231; Rept-74-1) Avail: NTIS HC \$4.50 CSCL 08G

There are no author-identified significant results in this report.

N74-22957*# Colorado School of Mines, Golden. Dept. of Geology.

AN EVALUATION OF MULTIBAND PHOTOGRAPHY FOR ROCK DISCRIMINATION

Keenan Lee, Principal Investigator and Gary L. Raines 27 Mar. 1974 38 p refs Presented at the 3d Ann. Remote Sensing of Earth Resources Conf., Tullahoma, Tenn., 26 Mar. 1974 FRTS

(Grants NGL-06-001-015; DA-ARO(D)-31-124-71-G101; DA-ARO(D)-31-124-73-G88)

(E74-10510; NASA-CR-138233; Rept-74-4) Avail: NTIS HC \$5.00 CSCL 14E

The author has identified the following significant results. With the advent of ERTS and Skylab satellites, multiband imagery and photography have become readily available to geologists. The ability of multiband photography to discriminate sedimentary rocks was examined. More than 8600 in situ measurements of band reflectance of the sedimentary rocks of the Front Range, Colorado, were acquired. Statistical analysis of these measure-

ments showed that: (1) measurements from one site can be used at another site 100 miles away; (2) there is basically only one spectral reflectance curve for these rocks, with constant amplitude differences between the curves; and (3) the natural variation is so large that at least 150 measurements per formation are required to select best filters. These conclusions are supported by subjective tests with aerial multiband photography. The designed multiband photography concept for rock discrimination is not a practical method of improving sedimentary rock discrimination capabilities.

N74-22965*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

CRYSTAL MOTION MEASUREMENT BY MEANS OF SATELLITE TECHNIQUES

Joseph W. Siry May 1973 38 p refs Presented at the Am. Geophys. Union 3d GEOP Res. Conf., Columbus, Ohio, 31 May - 1 Jun. 1973

(NASA-TM-X-70632: X-590-73-273) Avail: NTIS HC \$5.00 CSCL 08E

A system for monitoring precursory crustal motions is presented. It involves a set of automated corner reflector stations tracked by means of a laser operating in the Geopause satellite. It is possible to range some three times during every Geopause pass to each of the sites in such an ensemble, weather permitting. One centimeter range data gathered during a quarter of a year can yield position component accuracies of the order of a couple of centimeters. A laser beam of a tenth of a milliradian in diameter would, illuminate a single station in such an array. A broader beam would generate reflections from several sites, yielding overlapping data. A chain or pattern of such overlapping regions can strengthen the solution for site positions. Pressure, temperature and humidity gauges can provide refraction correction data. Turnaround transponders interrogated by the Geopause radio tracking system can furnish corresponding data in excessively cloudy regions. Author

N74-25845*# Utah Univ.. Salt Lake City. Dept. of Geology and Geophysics.

STUDY OF ARCUATE STRUCTURAL TRENDS IN UTAH AND NEVADA USING ERTS 1 IMAGERY Final Report

Mead LeRoy Jensen, Principal Investigator and Martha Ryder Smith 15 Jan. 1974 37 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21883)

(E74-10526; NASA-CR-138275) Avail: NTIS HC \$5.00 CSCL 08G

There are no author-identified significant results in this report.

N74-25846*# California Earth Science Corp., Santa Monica. FAULT TECTONICS AND EARTHQUAKE HAZARDS IN THE PENINSULAR RANGES, SOUTHERN CALIFORNIA Monthly Progress Report, Apr. 1974

Paul M. Merifield, Principal Investigator 6 May 1974 2 p EREP

(Contract NAS2 7698)

(E74-10528; NASA-CR-138277; MPR-11) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-26859* Rockwell International Science Center, Thousand Oaks, Calif.

IDENTIFICATION AND INTERPRETATION OF TECTONIC FEATURES FROM ERTS-1 IMAGERY Progress Report,

04 GEOLOGY AND MINERAL RESOURCES

1 Apr. - 31 May 1974

Monem Abdel-Gawad, Principal Investigator 4 Jun. 1974 2 p FRTS

(Contract "NAS5-21767)

(E74-10520; NASA-CR-138269; SC543.12PR) Avail: NTIS HC \$4.00 CSCL 08G

The author has identified the following significant results. The transverse faults observed in the central Coast Ranges of California are believed to represent the remnants of a major system of shear faults older than the San Andreas system. The transverse shear system is believed to have developed in the Mesozoic when the Pacific Plate was advancing under the North American Plate. Shear faults thus developed due to unequal rates of underthrusting. This tectonic model indicates that the intrusive belt of the proto-Sierra Nevada and the belt of eugeosynclinal sedimentary belt (Franciscan group) which lay to the west were both subjected to regional left-handed shear. Later development of the San Andreas system as transform faults of the East Pacific Rise changes the tectonic style to right-lateral tangential. The model explains the peculiar distribution of the Franciscan rocks in the Diablo Range east of the San Andreas fault and in Santa Lucia Range west of Nacimiento fault and the presence of Sierra Nevada type granitic blocks in between the two faults in the Salinia block. This model is also consistent with an analysis of the Texas and Parras shears which indicates that the southwestern part of North America has been subjected to a major left-lateral regional shear before the development of the San Andreas fault system.

N74-26860*# Geological Survey, Denver, Colo. REMOTE SENSING GEOPHYSICS FROM SKYLAB Monthly Report, May 1974

Kenneth Watson, Principal Investigator and H. A. Pohn May 1974 2 p EREP

(NASA Order T-6555-B)

(E74-10521; NASA-CR-138270) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-26907*# Alaska Univ., College. GROUND MAGNETOMETER SURVEY IN THE VALLEY OF TEN THOUSAND SMOKES, ALASKA M.S. Thesis Marla Cave Trible May 1972 210 p refs (Grant NGL-02-001-063)

(NASA-CR-138779) Avail: NTIS HC \$13.50

Areconnaissance magnetometer survey was conducted with both total- and vertical-field magnetometers. The large, sharp, narrow total magnetic anomalies observed over a zone of relict fumaroles in Broken Mountain Valley showed spectacular agreement with the surficial geology. Such a correlation is a strong indication that accumulations of magnetic minerals have been preserved along these fissure vents at shallow depths. Since large magnetic anomalies were measured near fumarolic markings along all of the traverses, it is proposed that the retention of sublimates along fumarolic vents is common throughout the Valley. The generally concentric contours of the vertical magnetic anomaly at the head of the Valley suggest that the dome of Novarupta is merely the surficial expression of a very massive conicalshaped intrusive centered just northeast of the dome. The magnetometer survey indicates that the pyroclastics in the Valley may be over 150 meters thick. Such an estimate is compatible with the volume of eruptive material needed to compensate for the subsidence surrounding Novarupta as well as a sizable amount Author of other regional subsidence.

N74-27772*# Nevada Univ., Reno. Mackay School of Mines.

THE GREAT BASIN INVESTIGATION Monthly Progress Report, May 1974

Jack G. Quade, Principal Investigator May 1974 2 p EREP (Contract NAS9-13274) (E74-10561; NASA-CR-138636) Avail: NTIS HC \$4.00 CSCL

08G

There are no author-indentified significant results in this report.

N74-27776*# California Earth Science Corp., Santa Monica. FAULT TECTONICS AND EARTHQUAKE HAZARDS IN THE PENINSULAR RANGES, SOUTHERN CALIFORNIA Monthly Progress Report, May 1974

Paul M. Merifield and Donald L. Lamar, Principal Investigators 10 Jun. 1974 2 p EREP

(Contract NAS2-7698)

(E74-10565: NASA-CR-138640: MPR-12) . Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-27782*# Environmental Research Inst. of Michigan, Ann Arbor

MAPPING EXPOSED SILICATE ROCK TYPES AND EX-POSED FERRIC AND FERROUS COMPOUNDS FROM A SPACE PLATFORM Quarterly Report, 8 Dec. 1973 - 8 Mar. 1974

Robert K. Vincent, Principal Investigator 14 Jun. 1974 2 p EREP

(Contract NAS9-13317)

(E74-10596; NASA-CR-138705; ERIM-102000-21-L; QR-4) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-27789*# Geological Survey, Denver, Colo. EVALUATION OF ERTS-1 IMAGERY FOR MAPPING QUATERNARY DEPOSITS AND LANDFORMS IN THE GREAT PLAINS AND MIDWEST Progress Report, 1 Jul. -

31 Oct. 1973 Roger B. Morrison, Principal Investigator and George R. Hallberg (lowa Geol. Survey, lowa City) 1 Nov. 1973 8 p refs ERTS (NASA Order S-70243-AG-1)

(E74-10614; NASA-CR-138723) Avail: NTIS HC \$4.00 CSCL 08B

The author has identified the following significant results. Maps at 1:1 million scale exemplifying the first phase of the investigation (which consists of the identification and mapping of landform and land use characteristics and surficial geologic materials directly from the ERTS-1 images without use of additional data) were prepared. For areas that have not been mapped at 1:500,000 or larger scales, maps will provide the first moderately detailed information on landform features and surficial materials. Much of the information mapped is significant for exploration and development of ground (and, locally, petroleum) and for applications in engineering and environmental geology, including land use planning. Analysis of drainage patterns, stream-divide relations and land use patterns has revealed several possible moraine-controlled divices of middle and early Pleistocene age. One is an extension of the Cedar Bluffs moraine of southeastern Nebraska. Another of these divides may correspond to the terminus of Nebraska drift in the Kansas City study area. The trends of parts of various ancient filled valleys also have been identified by analysis of charges in width of the present stream valleys. The alinements of certain segments of stream valleys in Kansas and Missouri appear to be controlled by regional faults or other structural features.

N74-27790*# Geological Survey, Reston, Va. IRON-ABSORPTION BAND ANALYSIS FOR THE DISCRIM-INATION OF IRON-RICH ZONES Progress Report, 1 Jan. -28 Feb. 1974

Lawrence \bar{C} . Rowan, Principal Investigator 27 Mar. 1974 4 p ERTS

(NASA Order S-70243-AG-4)

(E74-10615: NASA-CR-138724) Avail: NTIS HC\$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-27793*# Consiglio Nazionale delle Ricerche, Milan (Italy). Lab. per la Geofisica della Litosfera.

[VOLCANOLOGY, GEOLOGY, AND VEGETATION OF SICILY AND ITALY] Progress Report, period ending 31 Mar. 1974 R. Cassinis, G. M. Lechi, C. M. Marino, and A. M. Tonelli, Principal Investigators 8 May 1974 3 p Sponsored by NASA ERTS (E74-10626; NASA-CR-138736; PR-1) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-28814*# California Earth Science Corp., Santa Monica. FAULT TECTONICS AND EARTHQUAKE HAZARDS IN THE PENINSULAR RANGES, SOUTHERN CALIFORNIA Monthly Progress Report, Jun. 1974

Paul M. Merifield, Principal Investigator 10 Jul. 1974 2 p

(Contract NAS2-7698)

(E74-10570; NASA-CR-138645; MPR-13) Avail: NTIS HC \$4.00 CSCL 08E

There are no author-identified significant results in this report.

N74-28816* Wolf Research and Development Corp., Pocomoke City. Md.

APPLICABILITY OF SKYLAB REMOTE SENSING FOR DETECTION AND MONITORING OF SURFACE MINING ACTIVITIES Quarterly Progress Report, 1 Apr. - 30 Jun.

R. L. Brooks, Principal Investigator and J. D. Pennewell Jul. 1974 4 p EREP

(Contract NAS9-13310)

(E74-10572; NASA-CR-138647; QPR-5) Avail: NTIS HC \$4.00 CSCL 081

There are no author-identified significant results in this report.

N74-28818* Alaska Univ., Fairbanks. Geophysical Inst. EVALUATION OF FEASIBILITY OF MAPPING SEISMICALLY ACTIVE FAULTS IN ALASKA Final Report, Jul. 1972 - Jan. 1974

Larry D. Gedney. Principal Investigator and James D. VanWormer 30 Apr. 1974 41 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center. 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NAS5-21833)

(E74-10574; NASA-CR-138679) Avail: NTIS HC \$5.25 CSCL 08B

There are no author-identified significant results in this report.

N74-28841*# Earth Satellite Corp., Berkeley, Calif.
MINERAL EXPLORATION POTENTIAL OF ERTS-1 DATA
Final Report

W. A. Brewer, Principal Investigator, M. C. Erskine, Jr., R. O. Prindle, and W. T. Haenggi 4 Jun. 1974 94 p refs ERTS (Contract NAS5-21745)

(E74-10608; NASA-CR-138717) Avail: NTIS HC \$7.75 CSCL 08G

The author has identified the following significant results. ERTS-1 imagery of an area approximately 15,000 square miles in Arizona was interpreted for regional structure and tectonic units. Eight fault systems were identified by trend, of which two, northeast and northwest, are considered to be related to porphyry copper mineralization. Nine tectonic units can be identified on the imagery as distinct geological identities. The boundaries between these units can be correlated with theoretical shear directions related to the San Andreas stress system. Fourier analysis of the N 50 W fault trend indicates a fundamental spacing between Fourier energy maxima that can be related to distances between copper deposits.

N74-28842*# Geological Survey, Reston, Va.
EVALUATION OF ERTS-1 DATA APPLICATIONS TO
GEOLOGIC MAPPING, STRUCTURAL ANALYSIS AND
MINERAL RESOURCE INVENTORY OF SOUTH AMERICA
WITH SPECIAL EMPHASIS ON THE ANDES MOUNTAIN
REGION Progress Report, 1 Mar. - 30 Apr. 1974

William D. Carter, Principal Investigator 20 May 1974 6 p refs Sponsored by NASA ERTS

(E74-10609; NASA-CR-138718) Avail: NTIS HC \$4.00 CSCL 08G

The author has identified the following significant results. The La Paz Mosaic and its attendant overlays serve as a model for geologic studies elsewhere in the world. The P.I. and two geologists are mapping the conterminous states at scales of 1:5000,000 and 1:1,000,000. The 1:5 million band 5 mosaic was completed in two days of analysis. The 1:1 million band sheets are being completed at the rate of one per day. Comparison of the preliminary results of the three investigators shows a high correlation of linear and curvilinear features. Comparison with magnetic and gravity data indicates that many features being mapped are deep seated structures that have been active through long periods of geologic time, perhaps dating back to the Precambrian period. A detailed analysis of the El Salvador mining district has been completed. The interpretation is extremely detailed showing a complex pattern of linear features and bedrock outcrop patterns. This is the first product from ERTS-1 to be provided by Chile and shows a high degree of expertise in image interpretation. The Chileans are enthusiastic about their results and are anxious to map the entire country using ERTS.

N74-28844*# Colorado School of Mines, Golden. Dept. of Geology.

GEOLOGIC AND MINERAL AND WATER RESOURCES INVESTIGATIONS IN WESTERN COLORADO, USING SKYLAB EREP DATA Monthly Progress Reports, Apr., May, Jun. 1974

Keenan Lee, Principal Investigator, R. M. Hutchinson, G. L. Prost, D. L. Sawatzky, R. W. Spoelhof, and J. B. Thigpen 1 Jul. 1974 63 p refs EREP (Contract NAS9-13394)

(E74-10613; NASA-CR-138722; Rept-74-6) Avail: NTIS HC \$6.25 CSCL 08F

The author has identified the following significant results. Discovery of three major north-trending, throughgoing faults in the Front Range, previously mapped only as isolated segments, demonstrates the utility of space photography and may lead to reinterpretation of the Front Range tectonic style. Faulting and alteration appear to be the most useful indicators of mineralization in central Colorado. These phenomena appear on Skylab. photography as tonal lineaments and color anomalies. Twentythree lineaments have been mapped in the San Juan Mountains. the longest of which is 156 km long. Twelve lineaments intersect or are tangent to calderas. Intrusive domes are aligned along lineaments, but calderas appear to occur at the intersections of major lineaments. Lineaments can be recognized on some EREP passes but not on other passes over the same area. The difference is attributed to solar elevation effects. Bedding attitudes can be photogeologically estimated down to surprisingly low dips, on

04 GEOLOGY AND MINERAL RESOURCES

the order of + or - 1-2 deg, and attitudes can be subdivided easily into quantitative groups. The primary application of Skylab photography to geologic mapping in montane areas is clearly limited to regional mapping at scales smaller than 1:24,000.

N74-28848*# Consiglio Nazionale delle Ricerche, Milan (Italy).
Lab. per la Geofisica della Litosfera.

[VOLCANOLOGY, GEOLOGY, AND VEGETATION OF ITALY AND SICILY] Progress Report

Roberto Cassinis, Principal Investigator 6 Jun. 1974 9 p Sponsored by NASA Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP (E74-10620; NASA-CR-138730; PR-2) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-28864* Wyoming Univ., Laramie. Remote Sensing

SOME ILLUSTRATIONS OF THE ADVANTAGES OF IMPROVED RESOLUTION IN GEOLOGIC STUDIES

Robert S. Houston, Principal Investigator, Ronald W. Marrs, and Barbara J. Tomes 14 Jun. 1974 83 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS and EREP

(Contracts NAS5-21799; NAS9-13298)

(E74-10628; NASA-CR-138738) Avail: NTIS HC \$7.25 CSCL 08G

There are no author-identified significant results in this report.

N74-28898# Geological Survey, Washington, D.C.
THE UNITED STATES GEOLOGICAL SURVEY
Jan. 1974 26 p Original contains color illustrations
(USGS-INF-74-2) Avail: NTIS HC \$4.50

Research and management activities at this Federal fact finding agency are briefly outlined. Information acquisition and processing work centers on land surface mapping, environment maintenance, appraisal of natural resources, and supervision of oil, gas, and mineral-leases. G.G.

N74-28919# Bureau of Mines, Pittsburgh, Pa. Pittsburgh Mining and Safety Research Center.

GEOLOGIC STRUCTURE ANALYSIS USING RADAR IMAGERY OF THE COAL MINING AREA OF BUCHANAN COUNTY, VA.

C. H. Elder, P. W. Jeran, and D. A. Keck Jan. 1974 35 p refs

(PB-228689/6; BM-RI-7869) Avail: NTIS HC \$3.25 CSCL 08I

An analysis of the geologic structure of an area of Buchanan County, Va., was made by the Bureau of Mines using imagery from an airborne AN/APO-97 side-looking radar system to evaluate that mapping technique for delineating structural features which may cause mining problems. Side-looking radar (SLAR) was found to be a useful remote sensing tool for geologic structural analysis. Fault and joint systems identified by lineaments and linear patterns in the imagery were verified by surface and in-mine observations. SLAR imagery accurately delineated structural features that are known to affect gas migration and accumulation and that weakened the rock forming the immediate roof to mine workings, causing mining problems. (Modified author abstract)

GRA

05 OCEANOGRAPHY AND MARINE RESOURCES

05 **OCEANOGRAPHY** AND MARINE RESOURCES

Includes sea-surface temperature, ocean bottom surveying imagery, drift rates, sea ice and icebergs, sea state, fish location.

A74-29022 # Application of remote sensing data to coastal fish stock surveys. H. R. Bullis and W. H. Stevenson (NOAA. Washington, D.C.). International Astronautical Federation, International Astronautical Congress, 24th, Baku, Azerbaidzhan SSR, Oct. 7-13, 1973, Paper. 6 p.

A study has been conducted to investigate the possible application of remote sensing data to coastal fish stock surveys. Sensor systems aboard aircraft provided data similar to that obtained by the satellite sensors of the ERTS-1. The aircraft sensors also provided supplemental remote sensing information not obtained by ERTS sensors, such as temperature and salinity. The investigation was conducted in the Gulf of Mexico and focused on the adult Gulf menhaden. The analysis shows that four parameters have a particular significance in defining fish distribution patterns.

A74-34506 Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean (Radarbeobachtungen der Konvektionsgebiete im Bereich der innertropischen Konvergenzzone über dem äquatorialen Atlantischen Ozean). E. Ruprecht, L. Breuer, K. Bucher, E. Scheidtmann, and W. Zäck (Bonn, Universität, Bonn, West Germany). Meteor-Forschungsergebnisse, Reihe B - Meteorologie und Aeronomie, May 1974, p. 11-23. In German. Research supported by the Deutsche Forschungsgemeinschaft.

A74-35124 Sea backscatter at HF - Interpretation and utilization of the echo. D. E. Barrick (NOAA, Wave Propagation Laboratory, Boulder, Colo.), J. M. Headrick, R. W. Bogle (U.S. Navy, Naval Research Laboratory, Washington, D.C.), and D. D. Crombie (NOAA, Institute for Telecommunication Sciences, Boulder, Colo.). IEEE, Proceedings, vol. 62, June 1974, p. 673-680. 12 refs.

Theories and concepts for utilization of HF sea echo are compared and tested against surface-wave measurements made from San Clemente Island in the Pacific in a joint NRL/ITS/NOAA experiment. The use of first-order sea echo as a reference target for calibration of HF over-the-horizon radars is established. Features of the higher order Doppler spectrum can be employed to deduce the principal parameters of the wave-height directional spectrum (i.e., sea state); and it is shown that significant wave height can be read from the spectral records. Finally, it is shown that surface currents and current (depth) gradients can be inferred from the same Doppler sea-echo records. (Author)

A74-35125 Tests of remote skywave measurement of ocean surface conditions. J. L. Ahearn, J. M. Headrick, D. B. Trizna (U.S. Navy, Naval Research Laboratory, Washington, D.C.), and S. R. Curley (U.S. Navy, Office of Naval Research, Boston, Mass.). IEEE, Proceedings, vol. 62, June 1974, p. 681-687. 6 refs.

A pulse-Doppler backscatter radar operating in the HF band was used to test the feasibility to measure ocean surface motions in the North Atlantic Ocean under a variety of environmental conditions. Using the ionosphere as a part of the propagation path, data were collected at ranges from 600 to 2200 n mi. Environmental conditions included a relatively small hurricane, a large storm, and a relatively calm ocean. The Doppler data were converted to wind vectors and compared with weather data taken at the same times and places. Preliminary results indicate that there is, in general, good agreement between wind directions as determined from the radar data and this is indicated on the weather chart at all ranges and under all of the environmental conditions encountered. (Author)

A74-37395 * Microwave radiometer measurements of the Cape Cod Canal. C. T. Swift (NASA, Langley Research Center, Hampton, Va.). Radio Science, vol. 9, July 1974, p. 641-653. 12

Microwave radiometer measurements were conducted from a railroad bridge which spans the Cape Cod Canal in Massachusetts. Data were collected as a function of viewing angle and polarization at frequencies of 1.4, 4.0, and 7.5 GHz. The results compare differences in the microwave emmissivity of a smooth vs rough water surface. Results are also given which show the effects of roughness on the bistatic scattering of sunlight. (Author)

N74-21864 Helsinki Univ. of Technology, Otaniemi (Finland). ANALYSIS OF DIELECTRIC PROPERTIES AND NOISE TEMPERATURE OF SEA ICE FOR MICROWAVE REMOTE SENSING APPLICATIONS M. Hallikainen In its European Microwave Conf. 1973 1973

4 p refs

The dielectric properties of sea ice were studied with regard to microwave radiometry, taking into consideration the effects of temperature, salinity, and frequency. The results obtained were used for calculating the noise temperature of sea ice. Calculations were based on experimental salinity profiles measured along the Finnish coast. The dielectric loss of sea ice depended strongly on frequency, salinity, and temperature above -10 C. Hence the passive method for mapping the characteristics of sea ice can be applied at low salinities if the local variations of the salinity profile are approximately known.

N74-21962*# Delaware Univ., Newark. Coll. of Marine

SKYLAB/EREP APPLICATION TO ECOLOGICAL, GEOLOGI-CAL AND OCEANOGRAPHIC INVESTIGATIONS OF DELAWARE BAY Bimonthly Technical Letter Progress Report. Feb. - Mar. 1974

V. Klemas, Principal Investigator 13 Mar. 1974 7 p refs

(Contract NAS1-12304)

(E74-10437; NASA-CR-137416) Avail: NTIS HC \$4.00 CSCL

The author has identified the following significant results NASA's ERTS-1 satellite and Skylab-EREP have both provided imagery suitable for investigating coastal vegetation, land use, current circulation, water turbidity, waste disposal, and sea state. Based on high contrast targets, such as piers and breakwaters, the ERTS-1 MSS seems to have a resolution of 70-100 meters, Skylab's S190A about 30-70 meters, and its S190B about 10-30 meters. Important coastal land use details can be more readily mapped using Skylab's imagery. On the other hand, the regular eighteen day cycle of ERTS-1 allows observation of important man-made and natural changes, and facilitates collection of ground truth. The Skylab/EREP multispectral scanner offers 13 spectral bands as compared to 4 bands on ERTS-1. However, EREP scanner tapes require special filtering to remove several types of noise and their conical line scan pattern must be linearized before small targets can be identified based on spatial features.

05 OCEANOGRAPHY AND MARINE RESOURCES

N74-21968*# National Oceanic and Atmospheric Administration, Miami, Fla. Atlantic Oceanographic and Meteorological Labs. REMOTE SENSING OF OCEAN CURRENT BOUNDARY LAYER Monthly Report, Mar. 1974

George A. Maul, Principal Investigator Mar. 1974 3 p EREP (NASA Order T-4713-B)

(E74-10443; NASA-CR-137426; MR-9) Avail: NTIS HC \$4.00 CSCL 08C

There are no author-identified significant results in this report.

N74-21979*# City Coll. of the City of New York. Univ. Inst. of Oceanography.

A JOINT METEOROLOGICAL, OCEANOGRAPHIC AND SENSOR EVALUATION PROGRAM FOR EXPERIMENT S193 ON SKYLAB Monthly Plans and Progress Report, period ending 18 Apr. 1974

Willard J. Pierson, R. K. Moore, and E. P. McClain, Principal Investigators 18 Apr. 1974 2 p EREP

(Contract NAS9-13642)

٠.

(E74-10454; NASA-CR-137443) Avail: NTIS HC \$4.00 CSCL 14B

There are no author-identified significant results in this report.

N74-21986*# National Marine Fisheries Service, Bay Saint Louis, Miss.

APPLICATION OF REMOTE SENSING FOR FISHERY RESOURCE ASSESSMENT AND MONITORING Monthly Progress Report, 10 Mar. - 10 Apr. 1974

K. J. Savastano, Principal Investigator 12 Apr. 1974 3 p

(NASA Order T-8217-B)

(E74-10461: NASA-CR-137450; MPR-11) Avail: NTIS HC \$4.00 CSCL 08A

There are no author-identified significant results in this report.

N74-22003*# National Aeronautics and Space Administration.
Mississippi Test Facility, Bay Saint Louis.

PRELIMINARY RESULTS OF FISHERIES INVESTIGATION ASSOCIATED WITH SKYLAB-3

K. J. Savastano, Principal Investigator, E. Pastula, Jr., G. Woods, and K. Faller 15 Apr. 1974 31 p refs Prepared in cooperation with Natl. Marine Fisheries Serv., Bay Saint Louis, Miss. EREP (NASA Order T-8217-B)

(E74-10479; NASA-TM-X-70009) Avail: NTIS HC \$4.75 CSCL

The author has identified the following significant results. This investigation is to establish the feasibility of utilizing remotely sensed data acquired from aircraft and satellite platforms to provide information concerning the distribution and abundance of oceanic gamefish. Data from the test area in the northeastern Gulf of Mexico has made possible the identification of fisheries significant environmental parameters for white marlin. Predictive models based on catch data and surface truth information have been developed and have demonstrated potential for reducing search significantly by identifying areas which have a high probability of being productive. Three of the parameters utilized by the model, chlorophyll-a, sea surface temperature, and turbidity have been inferred from aircraft sensor data. Cloud cover and delayed receipt have inhibited the use of Skylab data. The first step toward establishing the feasibility of utilizing remotely sensed data to assess amd monitor the distribution of ocean gamefish has been taken with the successful identification of fisheries significant oceanographic parameters and the demonstration of the capability of measuring most of these parameters remotely.

N74-22059*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

ESTIMATION OF SUNLIGHT PENETRATION IN THE SEA FOR REMOTE SENSING

W. R. McCluney Apr. 1974 31 p refs

(NASA-TM-X-70643; X-913-74-113) Avail: NTIS HC \$4.75 CSCL 08J

There is a need for a simple theoretical approach to the calculation of sunlight penetration depths suitable for passive multispectral remote sensing of water resources. An earlier paper presented an approach which is readily adapted to this calculation and which provides reasonably good agreement with more accurate but time-consuming radiative transfer models. The needed modifications are described and the model is used to calculate the penetration of sunlight into clear ocean water at several wavelengths throughout the visible portion of the spectrum. Calculations for both clear and turbid water are carried out for the two visible channels of the multispectral scanner on NASA's ERTS-1 satellite. The effect of a reflective bottom on the upwelling light field is discussed. Measurement parameters needed for the passive remote determination of water depths are identified and the use of submerged reflective panels for surface truth measurements is discussed.

N74-22951*# Environmental Research and Technology, Inc., Lexington, Mass.

THE APPLICATION OF ERTS IMAGERY TO MONITORING ARCTIC SEA ICE Final Report, 28 Jun. 1972 - 31 Dec. 1973

James C. Barnes, Principal Investigator and Clinton J. Bowley Feb. 1974 103 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NASS-21802)

(E74-10502; NASA-CR-136907; ERT-P-408-F) Avail: NTIS HC \$8.25 CSCL 08L

The author has identified the following significant results. Because of the effect of sea ice on the heat balance of the Arctic and because of the expanding economic interest in arctic oil and minerals, extensive monitoring and further study of sea ice is required. The application of ERTS data for mapping ice is evaluated for several arctic areas, including the Bering Sea, the eastern Beaufort Sea, parts of the Canadian Archipelago, and the Greenland Sea. Interpretive techniques are discussed, and the scales and types of ice features that can be detected are described. For the Bering Sea, a sample of ERTS-1 imagery is compared with visual ice reports and aerial photography from the NASA CV-990 aircraft. The results of the investigation demonstrate that ERTS-1 imagery has substantial practical application for monitoring arctic sea ice. Ice features as small as 80-100 m in width can be detected, and the combined use of the visible and near-IR imagery is a powerful tool for identifying ice types. Sequential ERTS-1 observations at high latitudes enable ice deformations and movements to be mapped. Ice conditions in the Bering Sea during early March depicted in ERTS-1 images are in close agreement with aerial ice observations and photographs.

N74-22952*# Earth Satellite Corp., Washington, D.C.
APPLICATION OF ERTS-1 DATA TO THE HARVEST MODEL
OF THE US MENHADEN FISHERY Final Report

Paul M. Maughan, Principal Investigator and Allan D. Marmelstein Mar. 1974 56 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NAS5-21743)

(E74-10504; NASA-CR-138090) Avail: NTIS HC \$6.00 CSCL 08A

The author has identified the following significant results. The project was conducted in Mississippi Sound in the north-central Gulf of Mexico. It utilized conventional surface data, obtained from fishing and other vessels, as well as aircraft and

spacecraft remote data. A relationship was established between surface measured water transparency, temperature and salinity, and commercial fish-stock availability. Numerical models of the relationships were derived. A multiple regression was performed relating ERTS-1 MSS Band 5 image density to measured transparency and water depth. It is concluded that remotely acquired data can play a role in harvest decisions of commercial fisheries.

N74-23020# Army Cold Regions Research and Engineering Lab. Hanover, N.H.

INVESTIGATIONS PERFORMED ON THE ARCTIC ICE **DYNAMICS JOINT EXPERIMENT, MARCH 1971**

S. F. Ackley, W. D. Hibler, III, A. Kovacs, W. F. Weeks, and A. Hartwell Dec. 1973 68 p refs (ARPA Order 1615)

(AD-775381; CRREL-RR-315) Avail: NTIS CSCL 08/12

Contents: Mesoscale strain measurements on the Beaufort Sea pack ice; Structure of a multiyear pressure ridge; Top and bottom roughness of a multiyear ice floe; Airphoto analysis of ice deformation in the Beaufort Sea, Data on morphological and physical characteristics of sea ice in the Beaufort Sea. GRA

N74-25839*# Army Coastal Engineering Research Center, Washington, D.C.

AN ERTS-1 STUDY OF COASTAL FEATURES ON THE NORTH CAROLINA COAST Final Report

Dennis W. Berg, Principal Investigator and George H. Miller Oct. 1973 51 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(NASA Order S-70260-AG) (E74-10513; NASA-CR-138263) Avail: NTIS HC \$5.75 CSCL

08C

There are no author-identified significant results in this report.

N74-25850*# Delaware Univ., Newark. Coll. of Marine Studies.

CORRELATION OF COASTAL WATER TURBIDITY AND CIRCULATION WITH ERTS-1 AND SKYLAB IMAGERY Report on Significant Results

V. Klemas, Principal Investigator, M. Otley, and R. Rogers (Bendix Corp., Ann Arbor, Mich.) 28 May 1974 2 p ERTS (Contract NAS5-21837)

(E74-10532; NASA-CR-138281) Avail: NTIS HC \$4.00 CSCL 08C

There are no author-identified significant results in this report.

N74-25852*# National Marine Fisheries Service, Bay Saint Louis, Miss

APPLICATION OF REMOTE SENSING FOR FISHERY RESOURCE ASSESSMENT AND MONITORING Monthly Progress Report, 10 Apr. - 10 May 1974

Kenneth J. Savastano, Principal Investigator 10 May 1974 3 p EREP

(NASA Order T-8217-B)

(E74-10534; NASA-CR-138283; MPR-12) Avail: NTIS HC \$4.00 C\$CL 08A

The author has identified the following significant results. A plot was drawn of the dolphin catch and the water discontinuities observed in the aerial photography. This plot was similar in format to the one made earlier on the white marlin catch relative to the water rips. Neither plot substantiates (as far as white marlin and dolphin are concerned) an opinion held by fishermen that better fishing may be found in the vicinity of the rips. Remotely inferred values for sea surface temperature, chlorophyll-a and

turbidity were substituted for sea truth measurements in prediction models developed in previous analysis. Model performance, using the new values, was disappointing.

N74-25853*# National Oceanic and Atmospheric Administration. Miami, Fla. Atlantic Oceanographic and Meteorological Labs. REMOTE SENSING OF OCEAN CURRENT BOUNDARY LAYER Monthly Report, Apr. 1974

George A. Maul, Principal Investigator Apr. 1974 2 p EREP (NASA Order T-4713-B) (E74-10535: NASA-CR-138284: MR-10)

Avail: HC \$4.00 CSCL 08J

There are no author-identified significant results in this report.

N74-25870# National Environmental Satellite Service, Washington, D.C. Environmental Sciences Group.

AN EVALUATION OF MAY 1971 SATELLITE DERIVED SEA SURFACE TEMPERATURES FOR THE SOUTHERN HEMI-SPHERE

P. Krishna Rao Apr. 1974 16 p refs (NOAA-TR-NESS-69) Avail: SOD HC \$0.55

These observations were obtained from the NOAA 1 satellite. The temperatures were subjected to an analysis program, and daily sea surface temperature charts were generated. Examples of a daily and a monthly mean sea surface temperatures chart are shown. Satellite-derived brightness values and sea surface temperature changes were used to construct time-longitude sections over the eastern part of the South Pacific for May 1971 to study the variations in these two parameters. The sea surface temperatures derived from NOAA 1 data showed good agreement with conventional ship data of the National Marine Fisheries Service.

N74-25884*# Alaska Univ., Fairbanks. Geophysical Inst. APPLICATIONS OF REMOTE SENSING DATA TO THE ALASKAN ENVIRONMENT Annual Report, 1 Jul. 1972 -30 Jun. 1973

A. E. Belon and J. M. iller 30 Jun. 1973 68 p (Grant NGL-02-001-092)

(NASA-CR-138512) Avail: NTIS HC \$6.50 CSCL 08F

The ERTS program provides a means to overcome the formidable logistic and economic costs of preparing environmental surveys of the vast and relatively unexplored regions of Alaska. There is an excellent potential in satellite remote sensing to benefit Federal, state, local, and private agencies, by providing a new synoptic data base which is necessary for the preparation of the needed surveys and the search for solutions to environmental management problems. One approach in coupling satellite data to Alaskan problems is a major program initiated by the University of Alaska and funded by NASA's Goddard Space Flight Center. This included 12 projects whose aims were to study the feasibility of applying ERTS data to the disciplines of ecology, agriculture, hydrology, wildlife management, oceanography, geology, glaciology, volcanology, and archaeology. Author

N74-25888*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

ESTIMATION OF SEA SURFACE TEMPERATURE FROM REMOTE SENSING IN THE 11-13 MICRON WINDOW REGION

C. Prabhakara, G. Dalu, and V. G. Kunde Feb. 1974 30 p. refs Submitted for publication

(NASA-TM-X-70649; X-911-74-60) Avail: NTIS HC \$4.50 CSCL 08J

The Nimbus 3 and 4 IRIS spectral data in the 11-13 micron water vapor window region are analyzed to determine the sea surface temperature (SST). The high spectral resolution data of IRIS are averaged over approximately 1 micron wide intervals to simulate channels of a radiometer to measure the SST. Three channels are utilized to measure SST over cloud-free oceans. However, two of these channels are sufficient in routine SST determination. The differential absorption properties of water vapor in the two channels enable one to determine the water vapor absorption correction without detailed knowledge of the vertical profiles of temperature and water vapor. The feasibility of determining the SST is demonstrated globally with Nimbus 3 data where cloud-free areas can be selected with the help of albedo data from the MRIR experiment on board the same satellite. Author

N74-26864*# National Environmental Satellite Service, Hillcrest Heights, Md.

EVALUATION OF ERTS DATA FOR CERTAIN OCEANO-GRAPHIC USES Bimonthly Report, Jan. - Apr. 1974

Alan E. Strong, Principal Investigator Apr. 1974 4 p refs

(NASA Order S-70246-AG)

(E74-10546; NASA-CR-138295; BMR-11; BMR-12) Avail:

NTIS HC \$4.00 CSCL 08C

The author has indentified the following significant results. According to Lake Michigan records, the pH levels have been steadily increasing as the lake becomes more eutrophic. Numerous upwellings during the summer of 1973, beginning with the late July event, appear to be triggering a chemical precipitation of calcium carbonate. The upwelling provides abundant carbon dioxide into the surface water and results in massive blooms of phytoplankton. As the CO2 is utilized by these microscopic plants the pH is increased (acidity decreases) and CaCO3 no longer is able to remain in solution. The precipitation takes place where the phytoplankton are living, near depths of 10 meters. Therefore, the whiting observed by ERTS-1 is only seen in the green band, as red cannot penetrate but a few meters. With these whitings, secci disc readings lower in July from 10-15 meters to 3-5 meters and green, milky water is observed by research vessels. It appears that whitings have been becoming more frequent since the middle 60's but until ERTS-1 the extent had never been realized. Calcium levels are too low, presently, for a similar precipitate in Lakes Huron or Superior. However, whitings have been seen by ERTS-1 in Lakes Erie and Ontario where the calcium ion and pH levels are more like those found in Lake Michigan.

N74-26901# Joint Publications Research Service, Arlington, Va.

METHODOLOGICAL PLAN FOR AERIAL SEISMIC STUDIES AT SEA AND IN THE OPEN OCEAN

S. V. Potapyev, G. G. Beletskiy, and I. I. Levin 23 May 1974 11 p refs Transl. into ENGLISH from Geol. Geofiz. (USSR). no. 11, 1973 p 102-107 (JPRS-62075) Avail: NTIS HC \$4.00 CSCL 08C

A plan for aerial observations by the registry of oscillations by means of marine telemetric autonomous radio buoys outfitted with aircraft guidance and detection instrumentation is pre-Author sented.

N74-26918*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

GRAVIMETRIC GEODESY AND SEA SURFACE TOPOGRA-PHY STUDIES BY MEANS OF SATELLITE-TO-SATELLITE TRACKING AND SATELLITE ALTIMETRY

Joseph W. Siry Aug. 1972 143 p refs Presented at the 9th Intern. Symp. on Geophys. Theory and Computers, Banff, Canada, Aug. 1972; sponsored by the Comm. for Math. Geophys. of the Intern. Union of Geodesy and Geophys.

(NASA-TM-X-70670; X-590-73-251) Avail: NTIS HC \$10.25 CSCL 08E

A satellite-to-satellite tracking experiment is planned between ATS-F and GEOS-C with a range accuracy of 2-meters and a

range rate accuracy of 0.035 centimeters per second for a 10-second integration time. This experiment is planned for 1974. It is anticipated that it will improve the spatial resolution of the satellite geoid by half an order of magnitude to about 6 degrees. Longer integration times should also permit a modest increase in the acceleration resolution. Satellite altimeter data will also be obtained by means of GEOS-C. An overall accuracy of 5-meters in altitude is the goal. The altimeter, per se, is expected to have an instrumental precision of about 2 meters, and an additional capability to observe with a precision of about 0.2 meters for limited periods. Author

N74-26952# National Oceanic and Atmospheric Administration, Boulder, Colo.

A FEASIBILITY STUDY FOR THE REMOTE MEASUREMENT OF UNDERWATER CURRENTS USING ACOUSTIC DOP-PLER TECHNIQUES

C. B. Emmanuel and P. A. Mandics Aug. 1973 39 p refs (NOAA-TR-ERL-278-WPL-25) Avail: SOD HC \$0.65

The remote measurement of underwater currents in the estuarine, coastal, and open ocean environments was studied using a technique of Doppler shift measurement of acoustic waves scattered by irregularities embedded in the water. The scattering cross section for some typical scatteres was estimated based on available information on their concentration and size distribution. The scattering characteristics of suspended particulate and organic matter, gas bubbles, and temperature and current velocity fluctuations were examined. The effects of transmission losses and ambient noise on the signal-to-noise ratio of the returned signal were evaluated, and the results were used to ascertain the feasibility of acoustic Doppler techniques to measure water currents for ranges of up to 1000 m with a varying pulse length resolution of 0.3 to 3 m. This resolution and additional noise consideration necessitate the use of frequencies of the order of several hundred kHz. It is shown that a pulse Doppler current measuring system is feasible.

N74-27777*# Delaware Univ., Newark. Coll. of Marine Studies.

MONITORING PHYSICAL AND CHEMICAL PARAMETERS OF DELAWARE BAY WATERS WITH AN ERTS-1 DATA **COLLECTION PLATFORM** Report on Significant Results

V. Klemas, Principal Investigator, C. A. Wethe, and A. S. Hanby 10 Jun. 1974 4 p ERTS

(Contract NAS5-21837)

(E74-10566; NASA-CR-138641) Avail: NTIS HC \$4.00 CSCL

The author has identified the following significant results. Evaluation of the probe performances during the initial phase indicates that the dissolved oxygen sensor available as part of the package is not sufficiently reliable for long term operation. The turbidity probe requires frequent visits to the site to maintain it in proper operating condition. The cost of these visits would have to be weighed against the information obtained. The conductivity/salinity, temperature, pH, and depth indicators have worked extremely well over the course of the study Monthly cleanings would maintain all these probes in top operating condition. Currently the accuracy of each measurement returned via satellite is being compared to the accuracy of the probe reading and water samples analyzed in the laboratory.

N74-27784*# National Marine Fisheries Service, Bay Saint Louis, Miss.

APPLICATION OF REMOTE SENSING FOR FISHERY RESOURCE ASSESSMENT AND MONITORING Monthly Progress Report, 10 May - 10 Jun. 1974

K. J. Savastano, Principal Investigator 10 Jun. 1974 3 p EREP

(NASA Order T-8217-B)

(E74-10598: NASA-CR-138707; MPR-13) Avail: NTIS

05 OCEANOGRAPHY AND MARINE RESOURCES

HC \$4.00 CSCL 08A

There are no author-identified significant results in this report.

N74-27785* National Oceanic and Atmospheric Administration,
Miami, Fla. Sea-Air Interaction Lab.

REMOTE DETECTION OF OCEAN FEATURES IN THE LESSER ANTILLES USING ERTS-1 DATA Final Report, Oct. 1972 - Apr. 1973

Kirby J. Hanson, Principal Investigator Apr. 1974 21 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(NASA Order S-70246-AG)

(E74-10602; NASA-CR-138711) Avail: NTIS HC \$4.25 CSCL 08J

The author has identified the following significant results. Photographic data received from the ERTS-1 satellite over the Lesser Antilles Islands show distinct ocean features on the leeward side of each island. Attempts to relate these features to ocean eddy formations with the aid of ground truth data proved unsuccessful. However, surface and upper air wind data indicate a good correlation with the size, shape, and downwind extent of the ocean features. Studies to date indicate strongly that these features result from horizontal differences in sea surface roughness due to the wind shadow effect of the islands. The results suggest that horizontal variations in the reflectance of the sea surface will make remote sensing of the ocean mixed layer more difficult than previously anticipated. The surface reflection seems to be large enough to mask the smaller horizontal variations in backscattered energy from the mixed laver.

N74-27801*# National Oceanic and Atmospheric Administration, Miami, Fla. Atlantic Oceanographic and Meteorological Labs. REMOTE SENSING OF OCEAN CURRENT BOUNDARY LAYER Monthly Report, May 1974

George A. Maul, Principal Investigator May 1974 2 p ref

(NASA Order T-4713-B)

(E74-10633; NASA-CR-138743; MR-11) Avail: NTIS HC \$4.00 CSCL 08J

There are no author-identified significant results in this report.

N74-27837# Naval Intelligence Support Center, Washington, D.C. Translation Div.

DETERMINING THE GEOMETRIC CHARACTERISTICS OF A SEA SURFACE BY THE SIGNAL SCATTERED FROM IT A. M. Nedelyaev, V. P. Prakhov, and T. A. Osetrova 13 Dec. 1973 9 p refs Transl. into ENGLISH from Tr. Energ. Inst. (Moscow), no. 119, 1972 p 80-83

(AD-777436; NISC-Trans-3481) Avail: NTIS CSCL 08/3

Attempts were made to determine the geometric parameters of the sea surface which could be used in a model composed of two types of roughness: major waves and the ripple which covers them. The problem of scattering of electromagnetic waves impinging on a complex surface is solved either by a Kirchhoff approximation or by the Kirchhoff method in combination with the perturbation theory.

N74-28072*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

SATELLITE IMAGERY AND WEATHER FOR THE BESEX AREA, 15 FEBRUARY - 10 MARCH 1973

Per Gloersen and Paul E. LaViolette (Naval Oceanographic Office) Jun. 1974 90 p. Sponsored in part by NOAA

(NASA-TM-X-70692; X-910-74-186; NOOTR-245) Avail: NTIS HC \$7.50 CSCL 04B

The Bering Sea Experiment (BESEX) was conducted in February and March 1973 to study ice cover, sea state and zones of precipitation by means of airborne microwave radiometers over the Bering Sea. The images were computer processed from satellite data tapes. In processing the tapes, compensation was made for satellite attitude and altitude variations, as well as for image rectification. Visual imagery was taken in the 0.4 to 1.1-u range, and infrared imagery in the 8.0 to 13.0-u range.

Author

N74-28819*# Alaska Univ., Fairbanks. Inst. of Marine Science

THE CIRCULATION OF PRINCE WILLIAM SOUND Final Report, Jul. 1972 - Jan. 1974

Robin D. Muench, Principal Investigator 13 Mar. 1974 24 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NAS5-21833)

(E74-10575; NASA-CR-138680) Avail: NTIS HC \$4.25 CSCL

OSC

There are no author-identified significant results in this report.

N74-28820*# Naval Research Lab., Washington, D.C. DETERMINATION OF SEA SURFACE CONDITIONS USING SKYLAB L-BAND AND RADSCAT PASSIVE MICROWAVE RADIOMETERS Progress Report, 28 Aug. 1973 - 30 Jun. 1974

James P. Hollinger, Principal Investigator 12 Jul. 1974 4 p EREP

(NASA Order T-4126-B)

(E74-10577; NASA-CR-138682) Avail: NTIS HC \$4.00 CSCL 08J

There are no author-identified significant results in this report.

N74-28833*# Delaware Univ., Newark. Coll. of Marine Studies.

THE APPLICATION OF LARGE NUMBERS OF PLEASURE BOATS TO COLLECT SYNOPTIC SEA-TRUTH FOR ERTS-1 OVERPASSES Report on Significant Results

V. Klemas, Principal Investigator, G. Davis, and W. Philpot 15 Jul. 1974 2 p ERTS

(Contract NAS5-21837)

(E74-10591; NASA-CR-138700) Avail: NTIS HC \$4.00 CSCL 08J

The author has identified the following significant results. In order to interpret and annotate current circulation and suspended sediment concentration maps derived from ERTS-1 digital tapes, the University of Delaware has been collecting water samples and other data from boats and helicopters. In order to increase the number of samples at the exact time of the ERTS-1 pass over Delaware Bay, pleasure craft were organized to obtain samples of the entire test site. On the ERTS-1 pass of July second, scientists were stationed at three public boat launches along the Bay to hand out sampling packets to interested boaters. The packets contained two litre sampling bottles, a map, data card, and a pen. The boaters were asked to fill the two bottles between 11 and 11:15 a.m., mark their location on the map, and fill out the data card. Forty-nine packets were handed out of which 40 were returned (82%). Only four of the 40 were not in the alloted time range. This gave 36 real time data points covering approximately 30 nautical miles. The samples are being analyzed for sediment concentration, particle size, and salinity. Participating boaters will receive a copy of an ERTS image of the Delaware Bay and a summary report of the project. Because of the success of the project, future use of pleasure boaters is being planned.

. 05. OCEANOGRAPHY AND MARINE RESOURCES

N74-28884* | Inational Imaging Systems, Mountain View, Calif.

OCEAN WATER COLOR ASSESSMENT FROM ERTS-1 RBV AND MSS IMAGERY Final Report, Sep. 1972 - Oct. 1973 Donald S. Ross, Principal Investigator 24 Oct. 1973 52 p refs Original contains imagery. Original Photography may be purchased from the EROS Data Center. 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21862)

Market Services of the Control of th

. (E74-10651; NASA-CR-139028; TR-C200-4) Avail: NTIS HC \$5.75 CSCL 08J

There are no author-identified significant results in this report. \neg

N74-28886*# Bureau of Reclamation, Denver, Colo. Engineering and Research Center.

CURRENT MEASUREMENTS IN THE SALTON SEA USING ERTS MULTISPECTRAL IMAGERY

Ralph A. Morrill Apr. 1973 44 p. refs. Sponsored by NASA Original contains color illustrations. Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(E74-10653; NASA-CR-138865) Avail: NTIS HC \$5.25 CSCL 08H

There are no author-identified significant results in this report.

Includes snow cover and water runoff in rivers and glaciers, saline intrusion, drainage analysis, geomorphology of river basins, land uses, and estuarine studies.

A74-30796 * Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada. C. R. Goldman, R. C. Richard, H. W. Paerl (California, University, Davis, Calif.), R. C. Wrigley, V. R. Oberbeck, and W. L. Quaide (NASA, Ames Research Center, Space Sciences Div., Moffett Field, Calif.). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 49-67. 17 refs. U.S. Environmental Protection Agency Grant No. DBU-16010: NSF Grant No. GI-22.

A74-33957 * New dimensions in satellite hydrology. A. Rango, V. V. Salomonson (NASA, Goddard Space Flight Center, Greenbelt, Md.), D. F. McGinnis, and D. R. Wiesnet (NOAA, National Environmental Satellite Service, Washington, D.C.). EOS (U.S. IHD Bulletin, no. 30), vol. 55, July 1974, p. 703-711. 39 refs.

Consideration of the use of remote sensing technology applied from satellites to obtain information for the rapid and continuing assessment of the hydrologic cycle. A detailed account is given of the hydrological information made available through the activities of the ERTS-1 satellite, an experimental satellite entirely devoted to earth resources observations, and the NOAA-2 satellite, a high-resolution operational environmental satellite. Following a description of the satellites and their payloads, it is shown how with their aid information can be obtained regarding atmospheric moisture, surface water and snow cover, glaciers, potential flood situations, and subsurface water fluctuations. In addition, the use of the ERTS-1 and NOAA-2 satellites in watershed characterization and modeling and in monitoring water quality is discussed.

A.B.K.

A74-37045 * Remote sensing and lake eutrophication. R. C. Wrigley (NASA, Ames Research Center, Space Sciences Div., Moffett Field, Calif.) and A. J. Horne (California, University, Berkeley, Calif.). Nature, vol. 250, July 19, 1974, p. 213, 214. 8 refs.

An infrared photograph of part of Clear Lake, Cal., shows complex patterns of blue-green algal blooms which were not observed by conventional limnological techniques. Repeated observations of patterns such as these can be used to chart the surface movement of these buoyant algae and can also be used to help control algal scums in eutrophic lakes. Although it is believed that most of the observed patterns resulted from Aphanizomenon (a few were also observed which resulted from suspended sediment), spectral signatures of the algal patterns varied.

N74-21978*# Corps of Engineers, Waltham, Mass.
ERTS-1 DATA USER INVESTIGATION OF THE USE OF ERTS
IMAGERY IN RESERVOIR MANAGEMENT AND OPERATION Progress Report, 14 Dec. 1973 - 14 Feb. 1974
Saul Cooper and Paul Bock, Principal Investigators 22 Apr.
1974 3 p ERTS

(NASA Order S-70256-AG)

(E74-10453; NASA-CR-137442) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-21981*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.

OPTICAL DATA PROCESSING ANALYSIS OF STREAM PATTERNS EXHIBITED ON ERTS-1 IMAGERY

Fawwaz T. Ulaby, Principal Investigator, John C. Davis, Dwight D. Egbert, James R. McCauley, and James L. McNaughton 23 Apr. 1974 18 p refs Presented at 9th Intern. Symp. on Remote Sensing of Environ., Ann Arbor, Mich., 15-19 Apr. 1974 Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21822)

(E74-10456; NASA-CR-137445) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-21983*# Corps of Engineers, Champaign, III.
EFFECTS OF CONSTRUCTION AND STAGED FILLING OF
RESERVOIRS ON THE ENVIRONMENT AND ECOLOGY
Progress Report, 9 Feb. - 8 Apr. 1974
Ravinder K. Jain, Principal Investigator 8 Apr. 1974 1 p

ERTS

(NASA Order S-70255-AG) (E74-10458; NASA-CR-137447) Avail: NTIS HC \$4.00 CSCL

H80

There are no author-identified significant results in this report.

N74-21986*# Geological Survey, Bay Saint Louis, Miss.
THE HYDROLOGIC SIGNIFICANCE OF FAULTS IN THE
GREAT SMOKY MOUNTAINS NATIONAL PARK Quarterly
Progress Report, 1 Dec. 1973 - 28 Feb. 1974
Gerald K. Moore and Este F. Hollyday, Principal Investigators
28 Feb. 1974 4 p EREP

(NASA Order H-2810-B)

(E74-10460; NASA-CR-137449) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-21991*# Kansas Univ. Center for Research, Inc., Lawrence.

SKYLAB STUDY OF WATER QUALITY Progress Report, Dec. 1973 - Feb. 1974

Harold L. Yarger, Principal Investigator and James R. McCauley Feb. 1974 11 p EREP (Contract NAS9-13271)

(E74-10466; NASA-CR-136867) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-21993*# Bureau of Reclamation, Denver, Colo.
MONITOR WEATHER CONDITIONS FOR CLOUD SEEDING
CONTROL Progress Report, 1 Jan. - 28 Feb. 1974
Archie M. Kahan, Principal Investigator 1 Mar. 1974 6 p
refs ERTS

(NASA Order S-70243-AG-8)

(E74-10468; NASA-CR-136869) Avail: NTIS HC \$4.00 CSCL 04B

There are no author-identified significant results in this report.

N74-21994*# Geological Survey, Tacoma, Wash. EVALUATE ERTS IMAGERY FOR MAPPING AND DETEC-TION OF CHANGES OF SNOWCOVER ON LAND AND ON GLACIERS Progress Report, 1 Jan. - 28 Feb. 1974 Mark F. Meier, Principal Investigator 28 Feb. 1974

(NASA Order S-70243-AG-2)

(E74-10469: NASA-CR-136870) Avail: NTIS HC \$4.00 CSCL 08L

The author has identified the following significant results. The area of snowcover on 10 individual drainage basins in the North Cascades, Washington, has been determined by use of a semi-automatic radiance threshold technique. The result is a unique record of the changing water storage as snow in these important hydrologic units, the runoff of which is utilized for hydroelectric power, dilution of wastes and heat, support of salmon migration, and irrigation. These data allow a new type of hydrologic modelling to proceed which should permit more accurate forecasts of streamflow. A new technique has been developed for measuring snow-covered area or snowline altitude semi-automatically. This variable contour overlay method permits the snowcover to be matched efficiently to the best fit contour of altitude. The motion of the Yentna Glacier during the concluding phase of its surge was successfully measured by a flicker technique using images of two dates. It appears that displacements as small as 100 to 200 m can be measured. Motion of the Tweedsmuir Glacier in Alaska was measured using ERTS-1 images enlarged to 1:50,000. Changes detected included a shock wave moving down the glacier. the margin expanding, the moraine pattern deforming, and the marginal valley deepening.

N74-21996*# Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

SPECTRORADIOMETRIC MEASUREMENTS OF LAKE MONROE, INDIANA] Monthly Report, Jun. 1973 LeRoy F. Silva, Principal Investigator Jun. 1973 2 p EREP (Contract NAS9-13301)

(E74-10472; NASA-CR-136873) Avail: NTIS HC \$4.00 CSCL OBH

There are no author-identified significant results in this report.

N74-22000*# Environmental Research and Technology, Inc., Lexington, Mass.

STUDY TO DEVELOP IMPROVED SPACECRAFT SNOW SURVEY METHODS USING SKYLAB/EREP DATA Quarterly Progress Report, 15 Dec. 1973 - 15 Mar. 1974

James C. Barnes, Principal Investigator May 1974 9 p EREP (Contract NAS9-13305)

(E74-10476; NASA-CR-136877; ERT-P-412-6; QPR-4) Avail: NTIS HC \$4.00 CSCL 08L

The author has identified the following significant results. A segment of the interim S192 film product from the SL-2 mission has been examined. The film covers the White Mountains area near the California-Nevada border and contains useable data for spectral bands: band 3, band 7, band 9, and band 11. Whereas the snow surface exhibits wide variations in reflectance, no significant change in the reflectance of the clouds occurs over the spectral range of these four bands. In band 11 the clouds appear white and snow appears black; in the band 3 data, both the clouds and the snow appear white. Two potential applications are possible, based on these results. First, because the reflectance of the snow surface in the band 9 data is much lower at the lower elevation terrain of the White Mountains, it appears that the drop in reflectance in the near-IR portion of the spectrum may be related to the wetness of the snow surface. Secondly, the complete reversal in reflectance that is observed in band 11 data indicates that in this portion of the spectrum snow surfaces have a low reflectance regardless of the condition of the snow. Because clouds do not exhibit a similar drop in reflectance, measurements in this spectral band have potential use for automatically distinguishing snow from clouds.

N74-22009*# Corps of Engineers, Waltham, Mass.
THE USE OF ERTS IMAGERY IN RESERVOIR MANAGE-MENT AND OPERATION Interim Report, Jul. - Dec. 1973 Saul Cooper, Principal Investigator Jan. 1974 30 p ERTS (NASA Order S-70256-AG) (E74-10485; NASA-CR-136886) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report

N74-22016*# Department of the Environment, Ottawa (Ontario).

Applied Hydrology Div.
WATER SURVEY OF CANADA: APPLICATION FOR USE OF ERTS-A FOR RETRANSMISSION OF WATER RE-SOURCES DATA Progress Report, Oct. 1973 - Mar. 1974 R. A. Halliday, Principal Investigator and I. A. Reid Apr. 1974 7 p Sponsored by NASA ERTS

(E74-10492; NASA-CR-136893; SR-9629) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this

N74-22944 Wisconsin Univ., Madison.
USE OF AERIAL PHOTOGRAPHY TO QUANTITATIVELY ESTIMATE WATER QUALITY PARAMETERS IN SURFACE WATER MIXING ZONES Ph.D. Thesis

Thomas Martin Lillesand 1973 135 p Avail: Univ. Microfilms Order No. 73-30329

The extent, site dependence and temporal dynamics of mixing zones have made it impractical to monitor them solely on the basis of conventionally collected field data. A method has been developed to quantitatively delineate waste concentrations throughout the mixing zone on the basis of densitometric measurements extracted from aerial photography. Simultaneouslyacquired color infrared photography and suspended solids water samples have been used to quantitatively delineate the mixing zone resulting from the discharge of a paper mill effluent at the Kimberly-Clark Paper Mill located on the lower Fox River at Kemberly, Wisconsin. The results and experiences have indicated that photographic photometry, when predicated on a limited amount of ground sampling, can be used to measure and delineate mixing zone waste distributions as reliably and in more detail than conventional surface measuring techniques.

Dissert. Abstr.

N74-22948* Kansas Univ. Center for Research, Inc., Lawrence. Atmospheric Science Lab.

DETECTION OF MOISTURE AND MOISTURE RELATED PHENOMENA FROM SKYLAB Monthly Progress Report.

Joe R. Eagleman, Ernest C. Pogge, Richard K. Moore, Principal Investigators, Norman Hardy, Wen Lin, and Larry League Mar. 1974 16 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP (Contract NAS9-13273)

(E74-10471; NASA-CR-136872) Avail: NTIS HC \$4.00 CSCL H80

The author had identified the following significant results. Soil moisture and precipitation variations were not detectable as tonal variations on the S190A IR B and W photography. Some light tonal areas contained high precipitation .83 inches and high moisture content 21.1% while other light tonal areas contained only .02 inches precipitation and as little as 0.7% moisture. Similar variations were observed in dark tonal areas. This inconsistancy may be caused by a lapse of 3 to 4 days from the time precipitation occurred until the photographs were taken and the fact that in the first inch of soil the measured soil moisture was generally less than 5.0%. For overall tonal contrast, the aerial color, color IR and aerial B and W appear

to be the best. Cities stand out from the landscape best in the aerial color and color IR, however, to see major street patterns a combination of the two aerial B and W bands and the two IR B and W bands may be desirable. For mapping roads it is best use all 6 bands. For lake detection, the IR B and W bands would be the best but for streams the aerial B and W band would be better. The aerial color, color IR, and the two IR B and W bands are best for distinguishing cultivated and noncultivated areas, whereas the two aerial B and W bands are better for seeing local relief. Clouds may be best seen in the aerial color and color IR bands.

N74-22972*# Geological Survey, Reston, Va.
REMOTE-SENSING STUDIES OF HYDROLOGIC ENVIRONMENTS IN THE LOWER RARITAN RIVER SYSTEM, NEW
JERSEY

Peter W. Anderson and Seymour Subitzky 1973 16 p refs Sponsored by NASA Original contains color illustrations (NASA-CR-138398) Avail: NTIS HC \$4.00 CSCL 08H

A series of remote sensing experiments were conducted in January and November 1968. The airborne multisensor missions included photographic and thermal-infrared sensors operated over a single site at a time when streamflow and water temperature observations were being made on the ground. Remote sensing data show: (1) effect of thermal waste water discharges on stream temperatures, (2) cross-channel variations in thermal characteristics due to waste water discharge, channel characteristics, and tidal currents, (3) influence of flow rates on dispersion, (4) patterns and distribution of ice cover, and (5) movement of sediment loads.

Author

N74-23030# Montana State Univ., Bozeman. Water Resources Research Center.

FLOODPLAIN MAPPING AND PLANNING FOR THE 50 AND 100 YEAR INTERVAL FLOOD ZONES OF THE BITTERROOT VALLEY, MONTANA

K. Michael Nolan Oct. 1973 103 p refs (PB-226082/6; OWRR-A-064-MONT(1))

Avail: NTIS

HC \$4.25 CSCL 138

Flood hazard maps, delineating 50-year and 100-year flood plain areas, were prepared for an 80-mile reach of the Bitterroot River in Western Montana. Discharge rates corresponding to 50-year and 100-year recurrence frequency were obtained for six stations on the river using graphical methods suggested by the U.S. Geological Survey. River stage was monitored at 15 locations in the reach for a 14-day period during the June 1972 snowmelt runoff season to develop simulated rating curves. Aerial photographs of the reach were taken on June 1, 1972 when the river was in flood stage but before the snowmelt peak had occurred. The photographs were used in conjunction with the ground control sites to establish flood boundaries corresponding to 50 and 100-year floods.

N74-25841*# Department of the Environment, Ottawa (Ontario). Applied Hydrology Div.

RETRANSMISSION OF WATER RESOURCES DATA USING THE ERTS-1 DATA COLLECTION SYSTEM

R. A. Halliday, Principal Investigator, I. A. Reid, and E. F. Chapman 14 Dec. 1973 15 p refs Presented at the ERTS Principal Investigator's Symp., Washington, D. C., 10-14 Dec. 1973 FRTS

(E74-10516; NASA-CR-138266) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-25860*# Corps of Engineers, Waltham, Mass.
ERTS-1 DATA USER INVESTIGATION OF THE USE OF ERTS
IMAGERY IN RESERVOIR MANAGEMENT AND OPERA-

TION Progress Report, 14 Feb. - 14 Apr. 1974
Saul Cooper and Paul Bock, Principal Investigators 9 May 1974
4 p ERTS

(NASA Order S-70256-AG)

(E74-10542; NASA-CR-138291) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-25867*# Corps of Engineers, Waltham, Mass.
NEW ENGLAND RESERVOIR MANAGEMENT Quarterly
Progress Report, 23 Jan. - 23 Apr. 1974

Saul Cooper and Duwayne Anderson, Principal Investigators (CRREL) 23 Apr. 1974 4 p EREP

(NASA Order T-4646-B)

(E74-10551; NASA-CR-138300) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-25871# Joint Publications Research Service, Arlington,

SELECTED TRANSLATIONS FROM BULLETIN OF THE SOVIET ANTARCTIC EXPEDITION

17 May 1974 31 p refs Transl into ENGLISH from Inform. Byul. Sov. Antarkt. Ekspeditsii (Leningrad), no. 87, 1973 21 p (JPRS-62019) Avail: NTIS HC \$4.75

Results of investigations conducted by the sixteenth Soviet Antarctic expedition are presented. Data are also given on investigations of the Southern Hemisphere atmosphere by means of contrast level balloons and the tie-in of gravimetric points Mirnyy-Vostok.

N74-25877# National Environmental Satellite Service, Washington, D.C.

DETECTING MELTING SNOW AND ICE BY VISIBLE AND NEAR-INFRARED MEASUREMENTS FROM SATELLITES David F. McGinnis [1974] 11 p refs
Avail: NTIS HC \$4.00

Use of near-infrared data in conjunction with reflected visible radiation appears to allow detection of melting snow and ice. Comparison of simultaneous visible and near-infrared imagery from the Nimbus III satellite provides a method for monitoring the melting of snow and ice that may be applied to snowpackrunoff prediction, flood forecasting, and lake navigation. Several examples (Lake Winnipeg, the Alps, and northwest Canada) are provided to illustrate the use of this spectral difference. Author

N74-25889*# Kanner (Leo) Associates, Redwood City, Calif. HYDROLOGICAL BASIS FOR FORECASTING AND CALCU-LATING RUNOFF BY SPACE IMAGES OF THE EARTH'S SURFACE

G. P. Kalinin Washington NASA May 1974 43 p refs Transl. into ENGLISH from the book "Gidrologicheskiye Osnovy Prognoza i Rascheta Stoka po Aerokosmicheskim Snimkam Zemnoy Poverkhnosti" Moscow, Akad. Nauk SSSR, 1974 53 p

(Contract NASw-2481)

(NASA-TT-F-15665) Avail: NTIS HC \$5.25 CSCL 08H

The determination and prediction of surface runoff by remote methods are considered, using the following factors as a ¿basis: (1) images of stream network and basin surface flooded areas, (2) area of coverage of the surface of a basin with water, (3) analysis of the dynamics of coverage of the basin with water and soil moisture content.

D.L.G.

N74-26865*# Stanford Research Inst., Menlo Park, Calif.
STUDY OF TIME LAPSE DATA PROCESSING FOR DYNAMIC HYDROLOGIC CONDITIONS Progress Report, 6 Mar. - 6 May 1974

Sidney M. Serebreny, Principal Investigator 16 May 1974 5 p ERTS

(Contract NAS5-21841)

(E74-10552: NASA-CR-138442) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-26911*# Louisiana State Univ., Baton Rouge. Engineering Research.

SEDIMENT TRANSPORT AND EROSION IN THE FOUR-CHON AREA OF LAFOURCHE PARISH

Charles A. Whitehurst and R. P. Self (Nicholls State Univ., Thibodaux, Louisiana) May 1974 28 p refs

(Grants NGL-19-001-097; NGL-19-001-024)

(NASA-CR-138776: DER-RM-3) Avail: NTIS HC \$4.50 CSCL 08H

NASA aerial photography in the form of color infrared and color positive transparencies is used as an aid in evaluating the rate and effect of erosion and sediment transport in Bay Champagne Louisiana. Author

N74-26912*# Louisiana State Univ., Baton Rouge. Engineering Research.

REMOTE SENSING AS AN AID FOR MARSH MANAGE-MENT: LAFOUCHE PARISH, LOUISIANA

James G. Ragan (Nicholls State Univ., Thibodaux, Louisiana), John H. Green (Nicholls State Univ., Thibodaux, Louisiana), and C. A. Whitehurst May 1974 30 p refs

(Grants NGL-19-001-097; NGL-19-001-024)

(NASA-CR-138775; DER-RM-2) Avail: NTIS HC \$4.50 CSCL

NASA aerial photography, primarily color infrared and color positive transparencies, was used in a study of marsh management practices and in comparing managed and unmanaged marsh areas. Weir locations for tidal control are recommended. Author

N74-26941# Tennessee Univ., Knoxville. Water Resources Research Center.

REMOTE SENSING IN SAMPLING SITE LOCATION IN LAKES AND STREAMS Research Report, 1 Jul. 1971 -31 Oct. 1972

James D. Womack Jan. 1974 13 p

(Contract DI-14-31-0001-3843)

(PB-227846/3: OWRR-A-025-TENN(1)) NTIS Avail:

HC \$4.00 CSCL 13B

This project was intended to investigate the use of remote sensing techniques in the design of sampling programs on large lakes and streams. The wide overview of aerial photography and infrared thermal mapping scanners provide means of visualizing and measuring variations in water characteristics which might require compensation for representative sampling. Several sites on Fort Loudoun Lake were samples to determine whether persistent patterns of water quality variations existed. The parameters measured were temperature, measured with a Barnes radiometer, turbidity and color. Persistent patterns were found in the vicinity of tributary inflows and it was concluded that aerial techniques would be useful in mapping the extent and shape. (Modified author abstract) GRA

N74-27773*# Environmental Research and Technology, Inc., Lexington, Mass.

STUDY TO DEVELOP IMPROVED SPACECRAFT SNOW

SURVEY METHODS USING SKYLAB/EREP DATA Quarterly Progress Report, 15 Mar. - 15 Jun. 1974

James C. Barnes, Principal Investigator Jun. 1974 4 p ref FRFP

(Contract NAS9-13305)

(E74-10562; NASA-CR-138637; ERT-P-412-8; QPR-5) Avail: NTIS HC \$4.00 CSCL 08L

There are no author-identified significant results in this report.

N74-277.79*# Calspan Corp., Buffalo, N.Y.

S190 INTERPRETATION TECHNIQUES DEVELOPMENT AND APPLICATION TO NEW YORK STATE WATER RESOURCES Quarterly Report, 1 Mar. - 31 May 1974

Kenneth R. Piech, Principal Investigator 31 May 1974 3 p ref EREP

(Contract NAS9-13336)

(E74-10593; NASA-CR-138702; QR-5) NTIS Avail: HC \$4.00 CSCL 08H

There are no author-identified significant results in this

N74-27811* International Business Machines Corp., Huntsville, Ala. Electronics Systems Center.

APPLICATION OF REMOTE SENSING TO HYDROLOGY Final Report

Reuben Ambaruch and John W. Simmons Sep. 1973 114 p refs

(Contract NAS8-14000)

(NASA-CR-120278; IBM-73W-00387) Avail: NTIS HC \$8.75 CSCL 08H

Streamflow forecasting and hydrologic modelling are considered in a feasibility assessment of using the data produced by remote observation from space and/or aircraft to reduce the time and expense normally involved in achieving the ability to predict the hydrological behavior of an ungaged watershed. Existing watershed models are described, and both stochastic and parametric techniques are discussed towards the selection of a suitable simulation model. Technical progress and applications are reported and recommendations are made for additional research.

N74-27813*# International Business Machines Corp., Huntsville, Ala.

A STUDY OF REMOTE SENSING AS APPLIED TO REGION-AL AND SMALL WATERSHEDS. VOLUME 1: SUMMARY

REPORT Final Report Jun. 1974 46 p refs

(Contract NAS5-21942)

(NASA-CR-139031; IBM-74W-00175) Avail: NTIS HC \$5.50

The accuracy of remotely sensed measurements to provide inputs to hydrologic models of watersheds is studied. A series of sensitivity analyses on continuous simulation models of three watersheds determined: (1)Optimal values and permissible tolerances of inputs to achieve accurate simulation of streamflow from the watersheds; (2) Which model inputs can be quantified from remote sensing, directly, indirectly or by inference; and (3) How accurate remotely sensed measurements (from spacecraft or aircraft) must be to provide a basis for quantifying model inputs within permissible tolerances. Author

N74-27830* National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

FLOOD HAZARDS STUDIES IN THE MISSISSIPPI RIVER BASIN USING REMOTE SENSING

Albert Rango and Arthur T. Anderson Apr. 1974 44 p refs Submitted for publication

(NASA-TM-X-70682; X-913-74-125) Avail: NTIS HC \$5.25 CSCL 08H

The Spring 1973 Mississippi River flood was investigated using remotely sensed data from ERTS-1. Both manual and automatic analyses of the data indicated that ERTS-1 is extremely useful as a regional tool for flood mamagement. Quantitative estimates of area flooded were made in St. Charles County, Missipuri and Arkansas. Flood hazard mapping was conducted in three study areas along the Mississippi River using pre-flood ERTS-1 imagery enlarged to 1:250,000 and 1:100,000 scale. Initial results indicate that ERTS-1 digital mapping of flood prone areas can be performed at 1:62,500 which is comparable to some conventional flood hazard map scales.

N74-28810*# Ecosystems International, Inc., Gambrills, Md. SYNTHESIS AND ANALYSIS OF ERTS PROGRAM. WATER RESOURCES: SIGNIFICANCE, USER REQUIREMENTS, REMOTE SENSING APPLICATIONS Midterm Report

Peter A. Castruccio and Harry L. Loats 15 Nov. 1973 291 prefs ERTS

(Contract NASw-2488)

(E74-10554; NASA-CR-138444) Avail: NTIS HC \$17.75 CSCL 08H

There are no author-identified significant results in this report.

N74-28823*# Bendix Corp., Ann Arbor, Mich. Aerospace Systems Div.

AUTOMATIC CLASSIFICATION OF EUTROPHICATION OF INLAND LAKES FROM SPACECRAFT DATA Special Report

Robert H. Rogers, Principal Investigator, Larry E. Reed, Navin J. Shah, and V. Elliot Smith May 1974 15 p refs Presented at the 9th Intern. Symp. on Remote Sensing of Environ., Ann Arbor, Mich., 15-19 Apr. 1974 ERTS

(Contract NAS5-21810)

(E74-10580; NASA-CR-138685) Avail: NTIS HC \$4.00 CSCL 08H

The author has identified the following significant results. Spacecraft data and computer techniques can be used to rapidly map and store onto digital tapes watershed land use information. Software is now available by which this land use information can be rapidly and economically extracted from the tapes and related to coliform counts and other lake contaminants (e.g. phosphorus). These tools are basic elements for determining those land use factors and sources of nutrients that accelerate eutrophication in lakes and reservoirs.

N74-28825*# Environmental Research and Technology, Inc., Lexington, Mass.

A STUDY TO DEVELOP IMPROVED SPACECRAFT SHOW SURVEY METHODS USING SKYLAB/EREP DATA: DEM-ONSTRATION OF THE UTILITY OF THE S190 AND S192 DATA Interim Report

James C. Barnes, Principal Investigator, Clinton J. Bowley, and Michael D. Smallwood Jun. 1974 55 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center 10th and Dakota Avenue Sioux Falls, S. D. 57198 EREP

(Contract NAS9-13305)

(E74-10582; NASA-CR-138687 ; ERT-P-412-7) Avail: NTIS HC \$5.75 CSCL 05B

The author has identified the following significant results. This interim report provides a demonstration of the ulitity of spacecraft acquired Skylab S190A and S190B photography and S192 imagery for mapping areal extent of snow cover in western United States test site areas. The data sample is from the SL-2 mission flown in June 1973. Results of the investigation indicate that areal snow cover extent can be mapped more accurately from the S190A and S190B photography than from any other

spacecraft system, including ERTS. The results of a qualitative analysis of the \$192 imagery indicate considerable potential for the utility of multispectral snow cover analysis; the potential for distinguishing snow from clouds automatically is particularly significant

N74-28831*# Delaware Univ., Newark. Coll. of Marine Studies.

CORRELATION OF COASTAL WATER TURBIDITY AND CIRCULATION WITH ERTS-1 AND SKYLAB IMAGERY

V. Klemas, Principal Investigator, M. Otley, W. Philpot, C. Wethe, and R. Rogers (Bendix Corp., Ann Arbor, Mich.) 19 Apr. 1974 4 p. Presented at the 9th Intern. Symp. on Remote Sensing of Environ., Ann Arbor, Mich., 15-19 Apr. 1974 ERTS (Contract NASS-21837)

(E74-10589; NASA-CR-138698) Avail: NTIS HC \$4.00 CSCL 08J

There are no author-identified significant results in this report.

N74-28838*# Calspan Corp., Buffalo, N.Y.

S190 INTERPRETATION TECHNIQUES DEVELOPMENT AND APPLICATION TO NEW YORK STATE WATER RESOURCES Interim Report

Kenneth R. Piech, Principal Investigator, John R. Schott, and Kenton M. Stewart (State Univ. of New York, Buffalo) 15 Jun. 1974 27 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP (Contract NAS9-13336)

(E74-10605; NASA-CR-138714; Calspan-YB-5298-M-1) Avail: NTIS HC \$4.50 CSCL 05B

There are no author-identified significant results in this report.

N74-28839*# Geological Survey, Tacoma, Wash.
EVALUATE ERTS !MAGERY FOR MAPPING AND DETECTION OF CHANGES OF SNOWCOVER ON LAND AND ON GLACIERS Progress Report, 1 Mar. - 30 Apr. 1974

Mark F. Meier, Principal Investigator 30 Apr. 1974 4 p refs ERTS

(NASA Order S-70243-AG-2)

(E74-10606; NASA-CR-138715) Avail: NTIS HC \$4.00 CSCL 08L

The author has identified the following significant results. Snowlines on a small drainage basin were accurately identified on bulk ERTS-1 images without use of digital processing, and results checked with high altitude and ground-based photography. The area and approximate shape of snow patches as small as 20,000 sq m could be correctly identified with a magnifying scanning densitometer. The resolution of ERTS is more than ample for most snow mapping needs. Mount Baker, Washington, has a large crater south of the summit and an area north of the summit which emit considerable geothermal heat in the form of fumaroles and hot ground. Temperatures are being monitored using an ERTS DCS. Debris flows are occassionally released from the crater due to water saturation at the base of a heavy snowpack lying on hydrothermally altered hot ground. These debris flows present a possible hazard to life and property, as they are discharged down the Boulder Glacier toward Baker Lake, the upper of two major hydroelectric power reservoirs which are situated above the populated Skagit River Valley. ERTS-1 images show that the most recent debris flow (20-21 August 1973) can be clearly discerned and mapped. ERTS images provide another important tool for monitoring this potential hazard.

N74-28843*# Army Construction Engineering Research Lab., Champaign, III.

EFFECT OF CONSTRUCTION AND STAGED FILLING OF RESERVOIRS ON THE ENVIRONMENT AND ECOLOGY

Progress Report, 9 Dec. 1973 - 8 Jun. 1974

Ravinder K. Jain, Principal Investigator 10 Jun. 1974 5 p **ERTS**

(NASA Order S-70255-AG)

(E74-10610; NASA-CR-138719) Avail: NTIS HC \$4.00 CSCL 08H

There are no author-identified significant results in this report.

N74-28845*# Geological Survey, Tacoma, Wash.
A LAKE AND SEA ICE EXPERIMENT WITH SKYLAB MICROWAVE RADIOMETRY Progress Report, Mar. 1974 William J. Campbell, Principal Investigator 24 May 1974 2 p **EREP**

(NASA Order T-4112-B)

(E74-10616; NASA-CR-138725) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-28850* California Univ., Berkeley. INTRODUCTION

Robert N. Colwell, Principal Investigator In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 7 p ERTS

CSCL 08H

There are no author-identified significant results in this report.

N74-28851* California Univ., Davis.

WATER SUPPLY STUDIES

Robert N. Colwell, Robert H. Burgy, Vidal R. Algazi, William C. Draeger, Principal Investigators, Randall W. Thomas, Donald T. Lauer, Paul F. Krumpe, James D. Nichols, and Michael J. Gialdini In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 113 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue. Sioux Falls, S. D. 57198 ERTS

There are no author-identified significant results in this

N74-28852* California Univ., Santa Barbara.

WATER DEMAND STUDIES IN CENTRAL CALIFORNIA

Robert N. Colwell, John E. Estes, Principal Investigators, L. Tinney, R. Thaman, K. Thaman, S. Lytle, E. Lytle, F. Evanisko, G. Lapman, and B. Wood In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 48 p Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP

CSCL 08H

There are no author-identified significant results in this

N74-28853* California Univ., Riverside.

WATER DEMAND STUDIES IN SOUTHERN CALIFORNIA Robert N. Colwell, Leonard W. Bowden, Principal Investigators, C. W. Johnson, J. R. Huning, K. Rozelle, D. Nichols, J. Jones, G. Washburn, and J. Drake In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 41 p refs ERTS

CSCL 08H

There are no author-identified significant results in this report.

N74-28859* California Univ., Los Angeles. Dept. of Planetary and Space Sciences.

POWER LAW TIME DEPENDENCE OF RIVER FLOOD DECAY AND ITS RELATIONSHIP TO LONG TERM DISCHARGE FREQUENCY DISTRIBUTION Special Study No. 6

Robert N. Colwell, Principal Investigator, G. Schubert, and R. E. Lingenfelter In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Techn. 1 May 1974 11 p refs ERTS CSCL 08H

There are no author-identified significant results in this report

N74-28861*# Wolf Research and Development Corp., Riverdale, Md.

THE INTERDEPENDENCE OF LAKE ICE AND CLIMATE IN CENTRAL NORTH AMERICA Interim Report, Dec. 1973 May 1974

Allan J. Jelacic, Principal Investigator Jun. 1974 52 p refs

(Contract NAS5-21761)

(E74-10622; NASA-CR-138732) Avail: NTIS HC \$5.75 CSCL 04B

There are no author-identified significant results in this report.

N74-28874* Geological Survey, Bay Saint Louis, Miss. HYDROLOGIC SIGNIFICANCE OF LINEAMENTS IN CENTRAL TENNESSEE (FORMERLY HYDROLOGIC SIGNIF-ICANCE OF FAULTS IN THE GREAT SMOKY MOUNTAINS NATIONAL PARK) Quarterly Progress Report, 1 Mar.

31 May 1974
Gerald K. Moore and Este F. Hollyday, Principal Investigators 30 May 1974 5 p EREP (NASA Order H-2810-B)

(E74-10640; NASA-CR-138814) Avail: NTIS HC \$4.00 CSCL ORH

There are no author-identified significant results in this report.

N74-29051# Joint Publications Research Service, Arlington,

METEOROLOGY AND HYDROLOGY NO. 4, 1974

V. A. Bugayev, ed. 24 Jun. 1974 178 p refs Transl. into ENGLISH of Meteorol. i Gidrol. (Moscow), no. 4, 1974 p 1-118

(JPRS-62306) Avail: NTIS HC \$12.00

Meteorological and hydrological parameters in weather forecasting, climatology and agriculture are considered.

07 DATA PROCESSING AND DISTRIBUTION SYSTEMS

Includes film processing, computer technology, satellite and aircraft hardware, and imagery.

A74-29025 * # Machine processing methods for earth observational data. D. A. Landgrebe (Purdue University, West Lafayette, Ind.), F. C. Billingsley (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, Calif.), and J. D. Nichols (California, University, Berkeley, Calif.). International Astronautical Federation, International Astronautical Congress, 24th, Baku, Azerbaidzhan SSR, Oct. 7-13, 1973, Paper. 10 p. 9 refs.

A brief review of the development over the last decade of earth resource information systems is presented. Machine data pre-processing and analysis methods are surveyed and illustrated. These include preprocessing steps intended to modify geometric and radiometric aspects of earth observational image data to enhance the ability of either human interpreters or machine algorithms to extract information from the data. Illustrations of processed and analyzed images from spaceborne sensors including the Earth Resources Technology Satellite are discussed. (Author)

A74-30791 * Combined spectral and spatial processing of ERTS imagery data. R. M. Haralick and K. S. Shanmugam (University of Kansas Center for Research, Inc., Lawrence, Kan.). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 3-13. 19 refs. Contract No. NAS5-21822.

A general procedure is presented for extracting textural properties of blocks of image data. These features are calculated in the spatial domain, taking into account the statistical nature of texture. The procedure is based on the assumption that the texture information in an image is contained in the overall or 'average' spatial relationship which the gray tones in the image have to one another. The spatial gray-tone dependence matrix is discussed together with the spectral features used in the study and the land use classification studies conducted. The results of the study show the usefulness of using both spectral and textural characteristics of ERTS multispectral scanner data for developing classification procedures. G.R.

A74-30793 A comparison of black-and-white, color and infrared photographs for geological interpretation at Witvlei, South West Africa. A. R. Newton (Cape Town, University, Rondebosch, Republic of South Africa). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 29-34. 5 refs.

A study was made of photographs from an area north of Witvlei, South West Africa. Four sets of photographs were taken, namely black-and-white, infrared, and two sets of color. The infrared and one set of color were taken soon after rain had fallen. The four sets of photographs were compared for their effectiveness for photogeological interpretation, and the following conclusions were reached: (1) color photographs are only marginally better than black-and-white, and then only if taken soon after rain; (2) infrared offers little advantage over black-and-white; (3) color and infrared offer slight advantages for study of superficial deposits; (4) even under relatively unfavorable conditions, normal black-and-white photography can be of great value, particularly in the early stages of mapping an unknown area. (Author)

A74-33068 Marking ERTS images with a small mirror reflector. W. E. Evans (Stanford Research Institute, Menlo Park, Calif.). *Photogrammetric Engineering*, vol. 40, June 1974, p. 665-671.

A simple experiment demonstrates the feasibility of generating identifiable artificial landmarks on imagery provided by the Earth Resources Satellite, ERTS-1. The completely passive marking device is a small (56-cm diameter) mirror carefully positioned to reflect the sun's energy into the satellite's optical sensors at the time of an overpass. Calculations show that a somewhat larger, but still easily transportable, mirror system should be capable of marking the images with near 100-percent probability of success on cloud-free days. No orbital information is needed beyond that normally available to the general public through the government's EROS program. Possible applications of the technique include providing site identification and geodetic control in remote regions of the earth, and providing atmospheric transmission data coincident with other ERTS experiments. (Author)

A74-33072 * A catalog system for remote-sensing data. R. S. Singh and J. P. Scherz (Wisconsin, University, Madison, Wis.). Photogrammetric Engineering, vol. 40, June 1974, p. 709-720. 8 refs. Grant No. NGL-50-002-127.

The Practical System for Cataloging, Indexing, and Retrieval of Remote Sensing Data developed by the Interdisciplinary Remote Sensing Group at the University of Wisconsin consists of a card catalog, a site-index-map, a site-index-file, an industry-index-file, and a project-index-file. The system is designed for retrieval of remotesensing data which include imagery, magnetic tapes, flight logs, maps, ground-truth reports, and research reports containing raw data. It can be operated by conventional library methods, but provision has been made for digitizing the system for computer retrieval.

P.T.H.

A74-34005 The development of ground truth for correlation with remotely sensed data. W. H. Tranter, J. L. Sandvos, J. C. Jennett, and E. Bolter (Missouri, University, Rolla, Mo.). In: National Electronics Conference, 29th, Chicago, III., October 8-10, 1973, Proceedings. Volume 28. Oak Brook, III., National Electronics Conference, Inc., 1973, p. 151-156. 8 refs.

The environmental impact of the current large-scale lead mining operations in southeastern Missouri is being studied on the basis of information about vegetation destruction patterns obtained by remote sensing with spectral techniques and ground truth data collected by soil analysis teams. To correlate the two sets of data, investigators used computer-generated two-dimensional data displays derived from a ground matrix of the area. The resulting format allows quick and accurate comparison of ground truth data with data obtained from remote sensing devices.

J.K.K.

A74-34438 Comparison of some classification techniques. P. L. Odell (Texas, University, Dallas, Tex.) and B. S. Duran (Texas Tech University, Lubbock, Tex.). *IEEE Transactions on Computers*, vol. C-23, June 1974, p. 591-596. 22 refs. Contracts No. NAS9-11925; No. NAS9-12775.

The so-called table look-up classification procedure and a modification of it are discussed. These and several other classification techniques are evaluated and simulation results comparing some of the techniques are displayed. Indications are that the table look-up technique is quite useful in classifying large sets of data, such as in remote sensing data analysis. (Author)

A74-35492 Extraction of the difference between two images (Extraction de la différence entre deux images). S. Debrus, M.

07 DATA PROCESSING AND DISTRIBUTION SYSTEMS

Françon, and P. Koulev (Paris VI, Université, Paris, France). Nouvelle Revue d'Optique, vol. 5, May-June 1974, p. 153-168. 9 refs. In French, Direction des Recherches et Moyens d'Essais Contract No. 11265.

In the method proposed, the two photographs compared are modulated by a high spatial frequency diffuser, and are recorded successively on a photographic plate, slightly shifting the diffuser between the two exposures. After conventional linear processing, the negative is illuminated by a coherent light beam. The spectrum observed at the lens focus is modulated by rectilinear parallel fringes. By placing a simple slit in the Fourier plane, the light from identical regions on the photographs is eliminated while the light from unlike regions is transmitted, the difference appearing in the image on the negative. Since the fringes in the Fourier spectrum are quite wide (of the order of 2 cm), a broad source can be employed. This provides high-quality images.

A74-36109 Milwaukee Symposium on Automatic Control, Milwaukee, Wis., March 28-30, 1974, Proceedings. Symposium sponsored by the Institute of Electrical and Electronics Engineers. Milwaukee, University of Wisconsin, 1974, 379 p. \$10.00.

A psudo-Kalman filtering approach to beam contour tracing is first discussed, followed by consideration of a clustering algorithm based on a discretized data space. Attention is given to digital restoration of blurred, array-sampled images, steady-state decoupling and design of linear multivariable systems, optimal interpolation of a two-dimensional signal, and pattern recognition for nonlinear system identification, Extracting 3-D information from 2-D images using a multicamera system is studied, and a practical obstacle detection system for the Mars Rover is described.

F.R.L.

Digital restoration of blurred, array-sampled images. A. Y. Hung (TRW Systems Group, Redondo Beach, Calif.). In: Milwaukee Symposium on Automatic Control, Milwaukee, Wis., March 28-30, 1974, Proceedings. Milwaukee.

University of Wisconsin, 1974, p. 88-92. 7 refs.

Digital restoration of images is discussed in this paper. Distortions arise by motion blur, optical imperfection, sampling degradation and noise. A mathematical model for image-forming system is formulated. Both space-domain and spatial frequency domain restorations are considered. Samples are included to illustrate the methods discussed. (Author)

Optimal interpolation of two dimensional A74-36113 signal. C. S. Chen (Akron, University, Akron, Ohio). In: Milwaukee Symposium on Automatic Control, Milwaukee, Wis., March 28-30, 1974, Proceedings. Milwaukee, University of Wisconsin, 1974, p. 209-214. 8 refs.

In the considered problem a scanner represented by a sample aperture function is used to scan an analog image. This process can be considered as two-dimensional sampling. The output of the scanning process is a digital image. A least mean-square error criterion is presented. An investigation shows that the least meansquare error picture interpolation depends on the correlation functions of the original and the sampled images.

N74-21963*# Boeing Co., Kent, Wash. QUANTITATIVE DETERMINATION OF STRATOSPHERIC AEROSOL CHARACTERISTICS Monthly Report, Mar. 1974 David L. Tingey, Principal Investigator Mar. 1974 1 p EREP (Contract NAS9-13303)

(E74-10438; NASA-CR-137421) Avail: NTIS HC \$4.00 CSCL 04A

There are no author-identified significant results in this

N74-21964*# Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

AN INTERDISCIPLINARY ANALYSIS OF MULTISPECTRAL SATELLITE DATA FOR SELECTED COVER TYPES IN THE COLORADO MOUNTAINS, USING AUTOMATIC DATA PROCESSING TECHNIQUES Monthly Progress Report, Mar.

Roger M. Hoffer, Principal Investigator Mar. 1974 6 p EREP (Contract NAS9-13380)

(E74-10439; NASA-CR-137422) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-21970*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.

DEVELOPING PROCESSING TECHNIQUES FOR SKYLAB DATA Monthly Progress Report, Mar. 1974

Richard F. Nalepka and William A. Malila, Principal Investigators 10 Apr. 1974 3 p EREP

(Contract NAS9-13280)

(E74-10445; NASA-CR-137434; ERIM-101900-28-L;

MPR-13) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this

N74-21977*# Science Applications, Inc., La Jolla, Calif. DETERMINATION OF AEROSOL CONTENT IN THE ATMOSPHERE FROM ERTS-1 DATA Final Report, 7 Sep. 1972 - 6 Oct. 1973

M. Griggs, C. B. Ludwig, and W. Malkmus, Principal Investigators 23 Oct. 1973 55 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NAS5-21860)

(E74-10452; NASA-CR-137441; SAI-73-625-LJ) Avail: NTIS HC \$5.75 CSCL 04A

The author has identified the following significant results. Significant results, relating the radiance over water surfaces to the atmospheric aerosol content, have been obtained. The results indicate that the MSS channels 4, 5, and 6 centered at 0.55, 0.65, and 0.75 microns have comparable sensitivity, and that the aerosol content can be determined within + or - 10% with the assumed measurement errors of the MSS. The fourth channel, MSS 7, is not useful for aerosol determination due to the water radiance values from this channel generally being less than the instrument noise. The accuracy of the aerosol content measurement could be increased by using an instrument specifically designed for this purpose. This radiance-aerosol content relationship can possibly provide a basis for monitoring the atmospheric aerosol content on a global basis, allowing a base-line value of aerosols to be established. The contrast-aerosol content investigation shows useful linear relationships in MSS channels 4 and 5, allowing the aerosol content to be determined within + or - 10%. MSS 7 is not useful due to the low accuracy in the water radiance, and MSS 6 is found to be too insensitive. These results rely on several assumptions due to the lack of ground truth data, but do serve to indicate which channels are most useful.

N74-21982*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.

GROUND PATTERN ANALYSIS IN THE GREAT PLAINS

Semiannual Progress Report, 1 Aug. 1973 - 31 Jan. 1974 Fawwaz T. Ulaby, John C. Davis, Principal Investigators, James L. McNaughton, Dwight D. Egbert, and James R. McCauley Jan. 1974 44 p refs ERTS

(Contract NAS5-21822)

(E74-10457; NASA-CR-137446; Rept-2266-9) Avail: NTIS HC \$5.25 CSCL 08E

There are no author-identified significant results in this report.

N74-22002*# Environmental Research Inst. of Michigan, Ann. Arbor. Infrared and Optics Div.

DETERMINATION OF THE EARTH'S AEROSOL ALBEDO **USING SKYLAB DATA** Quarterly Progress Report

Robert E. Turner, Principal Investigator 11 Apr. 1974 2 p

(Contract NAS9-13279)

(E74-10478; NASA-CR-136881; ERIM-102200-9-L; QPR-4) Avail: NTIS HC \$4.00 CSCL 04A

There are no author-identified significant results in this report.

N74-22013*# Bendix Corp., Ann Arbor, Mich. Aerospace Systems Div.

A TECHNIQUE FOR CORRECTING ERTS DATA FOR SOLAR AND ATMOSPHERIC EFFECTS Special Report

Robert H. Rogers, Principal Investigator, Keith Peacock, and Navinchandra J. Shah Apr. 1974 21 p refs ERTS (Contract NAS5-21863)

(E74-10489; NASA-CR-136890) Avail: NTIS HC \$4.25 CSCL

The author has identified the following significant results. Based on processing ERTS CCTs and ground truth measurements collected on Michigan test site for January through June 1973 the following results are reported: (1) atmospheric transmittance varies from: 70 to 85% in band 4, 77 to 90% in band 5, 80 to 94% in band 6, and 84 to 97% in band 7 for one air mass; (2) a simple technique was established to determine atmospheric scattering seen by ERTS-1 from ground-based measurements of sky radiance. For March this scattering was found to be equivalent to that produced by a target having a reflectance of 11% in band 4, 5% in band 5, 3% in band 6, and 1% in band 7; (3) computer ability to classify targets under various atmospheric conditions was determined. Classification accuracy on some targets (i.e. bare soil, tended grass, etc.) hold up even under the most severe atmospheres encountered, while performance on other targets (trees, urban, rangeland, etc.) degrades rapidly when atmospheric conditions change by the smallest amount.

N74-22025*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.

STUDY OF ATMOSPHERIC EFFECTS IN SKYLAB DATA Quarterly Progress Report, 1 Dec. 1973 - 28 Feb. 1974 Frederick J. Thomson, Principal Investigator 3 May 1974 3 p

(Contract NAS9-13272)

(E74-10505; NASA-CR-138091; ERIM-101700-13-L; QPR-4) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-22049*# Environmental Research Inst. of Michigan, Ann. Arbor. Infrared and Optics Div. IMPROVEMENTS IN ESTIMATING PROPORTIONS OF

OBJECTS FROM MULTISPECTRAL DATA Technical Report, 1 Feb. 1973 - 31 Jan. 1974

H. M. Horwitz, P. D. Hyde, and W. Richardson Apr. 1974 76 p refs

(Contract NAS9-9784)

(NASA-CR-134252; ERIM-190100-25-T) NTIS Avail: HC \$7.00 CSCL 05B

Methods for estimating proportions of objects and materials imaged within the instantaneous field of view of a multispectral sensor were developed further. Improvements in the basic proportion estimation algorithm were devised as well as improved alien object detection procedures. Also, a simplified signature set analysis scheme was introduced for determining the adequacy of signature set geometry for satisfactory proportion estimation. Averaging procedures used in conjunction with the mixtures algorithm were examined theoretically and applied to artificially generated multispectral data. A computationally simpler estimator was considered and found unsatisfactory. Experiments conducted to find a suitable procedure for setting the alien object threshold yielded little definitive result. Mixtures procedures were used on a limited amount of ERTS data to estimate wheat proportion in selected areas. Results were unsatisfactory, partly because of the ill-conditioned nature of the pure signature set.

N74-22051*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Oprics Div.

THE NASA EARTH RESOURCES SPECTRAL INFORMATION SYSTEM: A DATA COMPILATION, SECOND SUPPLE-MENT

R. K. Vincent Apr. 1973 140 p refs (Contract NAS9-9784)

(NASA-CR-134267; ERIM-31650-156-T) Avail: NTIS HC \$10.00 CSCL 05B

The NASA Earth Resources Spectral Information System (ERSIS) and the information contained therein are described. It is intended for use as a second supplement to the NASA Earth Resources Spectral Information System: A Data Compilation, NASA CR-31650-24-T, May 1971. The current supplement includes approximately 100 rock and mineral, and 375 vegetation directional reflectance spectral curves in the optical region from 0.2 to 22.0 microns. The data were categorized by subject and each curve plotted on a single graph. Each graph is fully titled to indicate curve source and indexed by subject to facilitate user retrieval from ERSIS magnetic tape records.

N74-22061# Telespazio, S.p.A., Rome (Italy). DESIGN STUDY FOR THE ERAF DATA PROCESSING **FACILITY**

G. Bressanin, F. Capozza, L. A. CiavoliCortello, J. Erickson, L. Fusco, A. Marconi, B. Ratti, and C. Valzecchi Nov. 1973 128 p refs

(Contract ESTEC-1761/72-PP)

(ESRO-CR(P)-352) Avail: NTIS HC \$9.50

The most significant preprocessing requirements for data gathered by European Earth Resources Aircraft Facility (ERAF) are examined. The data processing facilities required to accept ERAF generated data and transform the images and tapes into formats acceptable to the earth scientists are discussed. ESRO

N74-22085# California Univ., Riverside. Dept. of Geography. CORRELATION OF REMOTE SENSING IMAGERY OF THE

07 DATA PROCESSING AND DISTRIBUTION SYSTEMS

COAST OF SOUTHERN AND BAJA CALIFORNIA WITH TERRAIN ANALYSIS Final Report

Leonard W. Bowden Oct. 1973 62 p refs (Contract N00014-69-A-0200-5003; NR Proj. 387-045)

(AD-773598: TR-O-73-3) Avail: NTIS CSCL 08/6 The research emphasizes the use and application of remote sensing techniques to coastal environment research of Baja and southern California. Ten technical reports, and numerous professional papers resulted, ranging over topics such as coastal vegetation, landforms, and use, tectonics and human activities. The research topics are summarized in an informal style and described in chronological order. (Modified author abstract) GRA

N74-22608*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.
SIGNATURE EXTENSION: AN APPROACH TO OPERA-

TIONAL MULTISPECTRAL SURVEYS

R. F. Nalepka and J. P. Morgenstern Mar. 1973 75 p refs (Contract NAS9-9784)

(NASA-CR-134254; ERIN-31650-152-T) HC \$6.75 CSCL 05B NTIS Avail.

Two data processing techniques were suggested as applicable to the large area survey problem. One approach was to use unsupervised classification (clustering) techniques. Investigation of this method showed that since the method did nothing to reduce the signal variability, the use of this method would be very time consuming and possibly inacurrate as well. The conclusion is that unsupervised classification techniques of themselves are not a solution to the large area survey problem. The other method investigated was the use of signature extension techniques. Such techniques function by normalizing the data to some reference condition. Thus signatures from an isolated area could be used to process large quantities of data. In this manner, ground information requirements and computer training are minimized. Several signature extension techniques were tested. The best of these allowed signatures to be extended between data sets collected four days and 80 miles apart with an average accuracy of better than 90%.

N74-22609*# Environmental Research Inst. of Michigan, Ann Arbor. Infrared and Optics Div.

EXTENSION OF ERIM MULTISPECTRAL DATA PROCESS-ING CAPABILITIES THROUGH IMPROVED DATA HAND-LING TECHNIQUES Technical Report, 1 Nov. 1971 -31 Jan. 1973

F. J. Kriegler Jun. 1973 28 p refs

(Contract NAS9-9784)

(NASA-CR-134268: ERIM-31650-158-T) NTIS Avail:

HC \$4.50 CSCL 05B

The improvement and extension of the capabilities of the Environmental Research Institute of Michigan processing facility in handling multispectral data are discussed. Improvements consisted of implementing hardware modifications which permitted more rapid access to the recorded data through improved numbering and indexing of such data. In addition, techniques are discussed for handling data from sources other than the ERIM M-5 and M-7 scanner systems.

N74-22956*# Colorado School of Mines, Golden. Dept. of Geology.

NEW USES OF SHADOW ENHANCEMENT

Keenan Lee, Principal Investigator and Don L. Sawatzky 27 Mar. 1974 22 p ref Presented at the 3d Ann. Remote Sensing of Earth Resources Conf., Tullahoma, Tenn., 25 Mar. 1974 Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP

(Contract NAS9-13394; Grant NGL-06-001-015)

(E74-10509; NASA-CR-138232; Rept-74-5) Avail: NTIS HC \$4.25 CSCL 14E

The author has identified the following significant results. Shadow enhancement of topographic linears in photographic or scanner images is a valuable tool for interpretation of geologic structures. Whether linears will be enhanced or subdued depends on sun angle and azimuth. The relationship of the sun's attitude to topographic slopes determines which trends are available for interpretation in existing imagery, and it can be used to select the time of day, surface properties, and film and filter characteristics in planning aircraft flights or satellite orbital passes. The technique of selective shadow enhancement can be applied to all photographic or imaging experiments, but its best for snow-covered scenes, side-looking radar images, and painted relief elahom

N74-25837* # National Physical Research Lab., Pretoria (South Africa).

TO ASSESS THE VALUE OF SATELLITE IMAGERY IN RESOURCE EVALUATION ON A NATIONAL SCALE Final Report, Jul. 1972 - Nov. 1973

O. G. Malan, Principal Investigator Nov. 1973 149 p refs Sponsored by NASA' Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakote Avenue, Sioux Falls, S. D. 57198 ERTS (E74-10494; NASA-CR-136898; CSIR-FIS-50) Avail: NTIS HC \$10.50 CSCL 08F

The author has identified the following significant results. It has been shown that ERTS imagery, particularly in the form of 1:500,000 scale false color photolithographic prints, can contribute very significantly towards facilitating and accelerating (dramatically, in the case of vegetation) resource surveys and geologic mapping. Fire mapping on a national scale becomes a feasibility, numerous new geologic features, particularly lineaments, have been discovered, land use can be mapped efficiently on a regional scale and degraded areas identified. The first detailed tectonic and geomorphological maps of the Republic of South Africa will be published in the near future mainly owing to the availability of ERTS-1 imagery.

N74-25840*# Environmental Research Inst. of Michigan, Ann

RECENT ADVANCEMENTS IN INFORMATION EXTRAC-TION METHODOLOGY AND HARDWARE FOR EARTH RESOURCES SURVEY SYSTEMS

F. J. Thomson, Principal Investigator and J. D. Erickson [1974] 8 p refs ERTS

(Contracts NAS5-21783; NAS1-11979; NAS9-9784; Grant NGR-23-005-552; Contract DAAK02-73-C-0438)

(E74-10515; NASA-CR-138265; ERIM-193300-46-S) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-25855*# North Carolina State Univ., Raleigh. Dept. of Geosciences.

UTILIZATION OF ERTS-A DATA IN GEOLOGICAL EVALUA-TION, REGIONAL PLANNING, FOREST MANAGEMENT, AND WATER MANAGEMENT IN NORTH CAROLINA

Charles Welby, Principal Investigator 8 May 1974 2 p Presented at the 25th Ann. Highway Geol. Symp., Raleigh, N. C., 24 May 1974 FRT3

(Contract NAS5-21732)

(E74-10537; NASA-CR-138286) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-25865*# Michigan State Univ., East Lansing. INVESTIGATION OF SKYLAB DATA Monthly Plans and Progress Report, Apr. 1974

Lester V. Manderscheid, Principal Investigator Apr. 1974 4 p. ref EREP

(Contract NAS9-13332)

(E74-10549; NASA-CR-138298) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this

N74-26713*# TRW Systems Group, Houston, Tex. ASTEP USER'S GUIDE AND SOFTWARE DOCUMENTA-TION

A. S. Gliniewicz, H. M. Lachowski, W. H. Pace, Jr., and P. Salvato, Jr. 15 May 1974 280 p refs (Contract NAS9-13834)

(NASA-CR-134303: TRW-25990-H028-RO-00:

TRW-Note-74-FMT-939) Avail: NTIS HC \$19.50 CSCL 05B The Algorithm Simulation Test and Evaluation Program (ASTEP) is a modular computer program developed for the purpose of testing and evaluating methods of processing remotely sensed multispectral scanner earth resources data. ASTEP is written in FORTRAND V on the UNIVAC 1110 under the EXEC 8 operating system and may be operated in either a batch or interactive mode. The program currently contains over one hundred subroutines consisting of data classification and display algorithms. statistical analysis algorithms, utility support routines, and feature selection capability. The current program can accept data in LARSC1, LARSC2, ERTS, and Universal formats, and can output processed image or data tapes in Universal format.

N74-26856*# Environmental Research Inst. of Michigan, Ann Arbor

DEVELOPING PROCESSING TECHNIQUES FOR SKYLAB DATA Monthly Progress Report, Apr. 1974

Richard F. Nalepka and William A. Malila, Principal Investigators 24 May 1974 2 p EREP (Contract NAS9-13280)

(E74-10512; NASA-CR-138262; ERIM-101900-30-L;

MPR-14) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-26858*# North Carolina State Univ., Raleigh. Dept. of Geosciences.

UTILIZATION OF ERTS-A DATA IN GEOLOGICAL EVALUA-TION, REGIONAL PLANNING, FOREST MANAGEMENT, AND WATER MANAGEMENT IN NORTH CAROLINA Progress Report, Apr. - May 1974

Charles W. Welby, Principal Investigator 6 Jun. 1974 1 p

(Contract NAS5-21732)

(E74-10519; NASA-CR-138253) Avail: NTIS HC \$4.00 CSCL 08G

There are no author-identified significant results in this report.

N74-26862*# Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

AN INTERDISCIPLINARY ANALYSIS OF MULTISPECTRAL SATELLITE DATA FOR SELECTED COVER TYPES IN THE COLORADO MOUNTAINS, USING AUTOMATIC DATA PROCESSING TECHNIQUES Monthly Progress Report, Apr. 1974

Roger M. Hoffer, Principal Investigator Apr. 1974 12 p

(Contract NAS9-13380)

(E74-10524; NASA-CR-138273) Avail: NTIS HC \$4.00 CSCL 08F

There are no author-identified significant results in this report.

N74-26899* Michigan Univ., Ann Arbor. Infrared and Optics Lab.

POST-ANALYSIS REPORT ON CHESAPEAKE BAY DATA PROCESSING Informal Final Report

F. Thomson Apr. 1972 49 p refs (Contract NAS6-2058)

(NASA-CR-137461; WRL-10653-4-F) Avail: NTIS HC \$5.50 CSCL 05B

The additional processing performed on data collected over the Rhode River Test Site and Forestry Site in November 1970 is reported. The techniques and procedures used to obtain the processed results are described. Thermal data collected over three approximately parallel lines of the site were contoured, and the results color coded, for the purpose of delineating important scene constituents and to identify trees attacked by pine bark beetles. Contouring work and histogram preparation are reviewed and the important conclusions from the spectral analysis and recognition computer (SPARC) signature extension work are summarized. The SPARC setup and processing records are presented and recommendations are made for future data collection over the site. A.A.D.

N74-26931# Reading Univ. (England). Dept. of Geography. THE INTERPRETATION AND USE OF FALSE-COLOUR INFRARED AND TRUE COLOUR PHOTOGRAPHY OF PART OF ARGENTINA OBTAINED BY SKYLARK EARTH RE-**SOURCES ROCKETS**

D. S. H. Drennan, J. R. Hardy, R. A. G. Savigear, and J. R. G. Townshend Oct. 1973 5 p (Contract AT/2035/015)

(UR-RSP-4; S/AI/16E) Avail: NTIS HC \$4.00

The use of color film for crop discrimination in Argentina is discussed. The photography was made from Skylark rockets using both false color infrared and true color. It was found that the false color (Kodak 2443) gave best results. Further projects such as resources mapping, land use, and communications networks mapping are under consideration.

N74-26955# Reading Univ. (England). Dept. of Geography. KEY TO LOCATION OF ROCKET IMAGERY, AIRCRAFT

TRAVERSES, GROUND TRUTH AND AVAILABLE MAPS FOR THE ARGENTINIAN SKYLARKS

C. O. Justice and J. R. G. Townshend Sep. 1973 16 p (Contract AT/2035/015)

(UR-RSR-1; S/AI/7E) Avail: NTIS HC \$4.00

A key to the existing reference data available at Reading concerning the Skylark Argentina project 'Is provided. Ground truth data, aircraft traverses, and areas covered by the Hasselblad 150 mm camera imagery for the major camera positions are given. A list of the photography held is appended together with a list of the number of copies of maps of the study area.

Author (ESRO)

N74-26956# Reading Univ. (England). Dept. of Geography.
KEY TO CODING OF IMAGERY AND GROUND TRUTH OF
THE ARGENTINIAN SKYLARKS (1181 AND 1182)

J. R. G. Townshend and C. O. Justice Sep. 1973 8 p (Contract AT/2035/015)

(UR-RSR-2; S/AI/8E) Avail: NTIS HC \$4.00

The coding systems for photographs, ground truth, and maps which are used in the interpretation of Skylark imagery from Argentina are described.

Author (ESRO)

N74-27774*# Environmental Research Inst. of Michigan, Ann

DEVELOPING PROCESSING TECHNIQUES FOR SKYLAB DATA Monthly Progress Report, May 1974

Richard F. Nalepka and William A. Malila, Principal Investigators 24 Jun. 1974 2 p EREP

(Contract NAS9-13280) (E74-10563; NASA-CR-138638; ERIM-101900-32-L;

MPR-15) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-27775*# Cornell Univ. Ithaca, N.Y. New York State Coll of Agriculture and Life Sciences.

EVALUATION OF SKYLAB IMAGERY AS AN INFORMATION SERVICE FOR INVESTIGATING LAND USE AND NATURAL RESOURCES (SKYLAB) Progress Report, 1-31 May 1974 Ernest E. Hardy, Principal Investigator 31 May 1974 4 p

(Contract NAS9-13364)

(E74-10564; NASA-CR-138639) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-27780*# Michigan State Univ., East Lansing.

INVESTIGATION OF SKYLAB DATA Monthly Plans and Progress Report, May 1974

Lester V. Manderscheid, Principal Investigator May 1974 4 p

(Contract NAS9-13332)

(E74-10594; NASA-CR-138703) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-27792*# Stanford Univ., Calif. Remote Sensing Lab.
MULTISPECTRAL SIGNATURES IN RELATION TO GROUND
CONTROL SIGNATURE USING NESTED SAMPLING
APPROACH Progress Report, 3 Mar. - 3 May 1974

APPROACH Progress Report, 3 Mar. - 3 May 1974
R. J. P. Lyon and F. R. Honey, Principal Investigators 3 May 1974 33 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NAS5-21884)

(E74-10625; NASA-CR-138735) Avail: NTIS HC \$4.75 CSCL 05B

There are no author-identified significant results in this report.

N74-27794*# TRW Systems Group, Redondo Beach, Calif. ERTS IMAGE DATA COMPRESSION TECHNIQUE EVALUATION Final Report

Donald J. Spencer, Principal Investigator and C. L. May Apr. 1974 205 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS (Contract NASS-21746)

(E74-10627; NASA-CR-138737) Avail: NTIS HC\$13.25 CSCL 05R

There are no author-identified significant results in this report.

N74-27814# Joint Publications Research Service, Arlington,

STATISTICAL METHODS OF STUDYING NATURAL OBJECTS

G. A. Sergeyev and D. A. Yanutsh 17 Jun. 1974 118 p refs Transl. into ENGLISH of the book "Statisticheskiye Metody Issledovaniya Prirodnykh Obyektov" Leningrad, Gidrometeoizdat, 1973 300 p

(JPRS-62251) Avail: NTIS HC \$9.00

An examination of methods of statistical analysis of natural phenomena based on the theory of stochastic processes is reported.

Author

N74-28817*# Pennsylvania State Univ., University Park. Office for Remote Sensing of Earth Resources (ORSER).

THE PENN STATE ORSER SYSTEM FOR PROCESSING AND ANALYZING ERTS AND OTHER MSS DATA Interim Report

George J. McMurtry, Gary W. Petersen, Principal Investigators, F. Y. Borden, and H. A. Weeden Jun. 1974 86 p refs Presented at the 30 Ann. Remote Sensing of Earth Resources Conf., Tullahoma, Tenn., 25-27 Mar. 1974 Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-23133)

(E74-10573; NASA-CR-138678; ORSER-SSEL-TR-9-74) Avail: NTIS HC \$7.50 CSCL 05B

The author has identified the following significant results. The office for Remote Sensing of Earth Resources (ORSER) of the Space Science and Engineering Laboratory at the Pennsylvania State University has developed an extensive operational system for processing and analyzing ERTS-1 and similar multispectral data. The ORSER system was developed for use by a wide variety of researchers working in remote sensing. Both photointerpretive techniques and automatic computer porcessing methods have been developed and used, separately and in a combined approach. A remote Job Entry system permits use of an IBM 370/168 computer from any compatible remote terminal, including equipment tied in by long distance telephone connections. An elementary cost analysis has been prepared for the processing of ERTS data.

N74-28837*# Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

AN INTERDISCIPLINARY ANALYSIS OF MULTISPECTRAL SATELLITE DATA FOR SELECTED COVER TYPES IN THE COLORADO MOUNTAINS, USING AUTOMATIC DATA PROCESSING TECHNIQUES Monthly Progress Report, May 1974

07 DATA PROCESSING AND DISTRIBUTION SYSTEMS

Roger M. Hoffer, Principal Investigator May 1974 2 p EREP (Contract NAS9-13380) (E74-10604; NASA-CR-138713) Avail: NTIS HC \$4.00 CSCL

(E74-10604; NASA-CR-138713) Avail: NTIS HC \$4.00 CSCI

There are no author-identified significant results in this report.

N74-28854* California Univ., Davis. Dept. of Electrical Engineering.

MULTISPECTRAL COMBINATION AND DISPLAY OF ERTS-1 DATA Special Study No. 1

Robert N. Colwell, Principal Investigator and Vidal Raphael Algazi In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 9 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

CSCL 08H

There are no author-identified significant results in this report.

N74-28858* California Univ., Davis. Dept. of Agricultural Engineering.

INVESTIGATION OF ATMOSPHERIC EFFECTS IN IMAGE TRANSFER Special Study No. 5

Robert N. Colwell, Principal Investigator, K. L. Coulson, and R. L. Walraven In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 33 p refs ERTS CSCL 08H

There are no author-identified significant results in this report.

N74-28871*# International Business Machines Corp., Gaithersburg, Md.

ALL-DIGITAL PRECISION PROCESSING OF ERTS IMAGES Progress Report, period ending 31 May 1974

Ralph Bernstein, Principal Investigator 7 Jun. 1974 1 p

(Contract NAS5-21716)

(E74-10637; NASA-CR-138811) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-28879*# Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

AN INTERDISCIPLINARY ANALYSIS OF MULTISPECTRAL SATELLITE DATA FOR SELECTED COVER TYPES IN THE COLORADO MOUNTAINS, USING AUTOMATIC DATA PROCESSING TECHNIQUES Monthly Progress Report, Jun. 1974

Roger M. Hoffer, Principal Investigator Jun. 1974 2 p EREP (Contract NAS9-13380)

(E74-10646; NASA-CR-138859) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-28896*# National Aeronautics and Space Administration. Lyndon B. Johnson Space Center, Houston, Tex. EXTRACTING LAND USE INFORMATION FROM THE EARTH RESOURCES TECHNOLOGY SATELLITE DATA BY CONVENTIONAL INTERPRETATION METHODS
Paul L. Vegas Washington Jul. 1974 61 p refs

(NASA-TN-D-7730; JSC-S-395) Avail: NTIS HC \$3.75 CSCL 08B

A procedure for obtaining land use data from satellite imagery by the use of conventional interpretation methods is presented. The satellite is described briefly, and the advantages of various scales and multispectral scanner bands are discussed. Methods for obtaining satellite imagery and the sources of this imagery are given. Equipment used in the study is described, and samples of land use maps derived from satellite imagery are included together with the land use classification system used. Accuracy percentages are cited and are compared to those of a previous experiment using small scale aerial photography.

08 INSTRUMENTATION AND SENSORS

Includes data acquisition and camera systems and remote sensors.

A74-28592 * Partial performance degradation of a remote sensor in a space environment, and some probable causes. J. J. Horan, D. S. Schwartz (GE Valley Forge Space Center, Philadelphia, Pa.), and J. D. Love (Hughes Aircraft Corp., El Segundo, Calif.), Applied Optics, vol. 13, May 1974, p. 1230-1237. Contract No. NAS5-11320.

The Multispectral Scanner (MSS) was launched on the Earth Resources Technology Satellite (ERTS-1) on July 23, 1972. The MSS has two calibration systems, one internal and one external. Both calibration systems have shown strong, spectrally dependent performance degradation since launch. This paper presents details on the optical system of the MSS and data on the performance degradation as a function of both spectral interval and time in orbit. The history of the MSS during tests is traced, and it is shown that hydrocarbons from an external source may have been deposited on optical surfaces in the instrument. It is postulated that these contaminant coatings may have polymerized as a result of the exposure to UV light from the sun, increasing their blue absorption and accounting for the observed performance degradation. (Author)

A74-29001 # A critique - Applications of non-satellite remote sensing of the earth's resources. J. A. Howard (United Nations, Food and Agriculture Organization, Rome, Italy). International Astronautical Federation, International Astronautical Congress, 24th, Baku, Azerbaidzhan SSR, Oct. 7-13, 1973, Paper. 14 p. 26

An attempt is made to identify major limitations of remote sensing in evaluating the earth's resources. Spectral limitations are connected with the distribution of thermal energy and with the existence of several strong water absorption bands and two carbon dioxide absorption bands which greatly restrict the transmission 'windows' of the atmosphere. Limitations of aerial photographic systems are considered. Other systems examined include TV systems and optical mechanical scanners. Details concerning remote-sensing applications are discussed, taking into account the sensing of the oceans and the identification of vegetation in the terrestrial environment.

A74-29856 Statistical properties of the background noise for the atmospheric windows in the intermediate infrared region. Y. Itakura, S. Tsutsumi, and T. Takagi (Kyoto Technical University, Kyoto, Japan). *Infrared Physics*, vol. 14, Feb. 1974, p. 17-29. 8 refs.

The statistical properties of the sky-, forest-, and cities-background noise for the four atmospheric windows in the intermediate infrared spectral region (2-14 micron) were analyzed. There are two kinds of spectral regions where the statistical properties of the amplitude distribution of the background radiation are quite different. One is the 2-3 micron region, dominated by scattering sunlight; the other is the 8-14 micron region, where the thermal radiation from the background is predominant. In the latter, the background noise is well described by a statistical model consisting of a random set of two-dimensional pulses whose amplitudes and widths obey the Gaussian and Poisson distribution rule, respectively. In the former, both the amplitude and the width of the random pulse follow the Poisson statistics. The unified statistical model for the

background noise, including the whole intermediate infrared spectral region, is derived. Its validity is demonstrated by some experimental results.

(Author)

A74-30792 Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space. K. la. Kondrat'ev, A. A. Buznikov, O. B. Vasil'ev, and V. I. Sevastianov (Leningradskii Gosudarstvennyi Universitet, Leningrad, USSR). Remote Sensing of Environment, vol. 3, no. 1, 1974, p. 15-27. 15 refs.

During the 'Soyuz-9' flight, the reflection spectra of various natural formations have been obtained by means of the handheld spectrograph RSS-2. Making use of the literature data on the surface reflection spectra for sand and water, the parameters of the atmospheric transfer operator were computed. The spectra obtained from the high altitude observations was corrected to spectral reflectance values at the earth's surface and compared with the curves for spectral radiance coefficients of different types of natural formations according to E. L. Krinov's classification. Using the parameters of the atmospheric transfer operator, the curves for spectral radiance coefficients of different types of natural formations as expected from space observations (Krinov's classification) have been computed.

A74-31869 Field spectroscopy for multispectral remote sensing - An analytical approach. T. G. Longshaw (Spectral Africa /Pty./, Ltd., Randfontein, Republic of South Africa). Applied Optics, vol. 13, June 1974, p. 1487-1493. 17 refs.

The present work discusses application problems associated with some of the existing reflectance data and points out the geometrical considerations necessary for field spectroscopy. Definitions of reflectance emanating from the quadravariate reflectance distribution function are described, and attention is drawn to the compromise between measurement complexity and application limitations. In this context, a field spectroradiometric system is described, and results from an application of the system to remote sensing of rock types are presented. (Author)

A74-32731 The ITOS weather satellite. Spaceflight, vol. 16, June 1974, p. 202-205.

The ITOS spacecraft are destined to enter a sun-synchronous orbit with a nominal altitude of 942 miles. The primary operational sensors aboard the spacecraft are the very high resolution radiometer, the vertical temperature profile radiometer, and the scanning radiometer. The spacecraft also carries a solar proton monitor which continuously measures proton and electron flux at orbit altitude. Basic spacecraft subsystems are also discussed, giving attention to the power supply subsystem, the attitude control system, and the thermal-control subsystem.

G.R.

A74-33306 Determination of aerosol parameters of the atmosphere by laser sounding from space. V. E. Zuev, G. M. Krekov, and I. E. Naats (Akademiia Nauk SSSR, Institut Optiki Atmosfery, Tomsk, USSR). Acta Astronautica, vol. 1, Jan.-Feb. 1974, p. 93-103. 10 refs.

Some theoretical aspects of the problem of laser sounding of an aerosol atmosphere from a spacecraft are considered. The results of a numerical experiment carried out by the Monte-Carlo technique for a certain possible scheme of lidar sounding of the atmosphere and earth's surface from an altitude of 300 km are reviewed. The time scannings of a reflected signal at wavelengths of 0.6943 and 2.36 microns with various parameters of a hypothetical receiving system are presented. A possibility of optical prediction of aerosol density

variations in the upper atmosphere and of the albedo of the underlying surface is shown. A numerical experiment procedure developed by the authors to investigate the possibility of solving inverse problems of upper atmosphere aerosol sounding is analyzed. The first problem is the detection of the scattering aerosol component against a background of Rayleigh scattering of the atmosphere. In the second problem the multifrequency lidar sounding of noctilucent clouds from a spacecraft was used to determine their microstructure parameters. (Author)

A74-33307 Application of lasers in atmospheric probing. C. P. Wang (California, University, La Jolla, Calif.). *Acta Astronautica*, vol. 1, Jan.-Feb. 1974, p. 105-123. 77 refs. Grant No. DAHCO4-72-C-0037.

A survey is made of laser techniques for direct measurement of atmospheric parameters. Light interactions which include Mie, Rayleigh, resonance-fluorescence, and Raman scattering, and light absorption, have been used for the laser probing of atmospheric constituents, temperature profiles, and aerosol distributions. Some basic parameters of the laser radar system - namely, laser light source, photodetector system, atmospheric transmittance, and sky radiation - are discussed. The performance and capability of some existing laser radar systems and some possible future systems are also discussed.

(Author)

A74-33903 # Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment (Ispol'zovanie kosmicheskikh sredstv dlia izucheniia zemnykh resursov i kontrolia okruzhaiushchei sredy - Samoletnyi eksperiment). Iu. K. Khodarev, G. A. Avanesov, B. S. Dunaev, Ia. L. Ziman, and Iu. M. Chesnokov (Akademiia Nauk SSSR, Institut Kosmicheskikh Issledovanii, Moscow, USSR). Meteorologiia i Gidrologiia, Apr. 1974, p. 25-29. In Russian.

Description of spacecraft equipment designed for remote sounding of earth resources in the visual and IR spectral regions. The equipment was tested in aircraft experiments conducted in 1973 over some typical agricultural, forested and barren areas in the Soviet Union. The IR radiometer, the scanning multispectrum TV photometer, the survey camera, the spectrophotometer, the multiplex camera and other components of the equipment are described. V.Z.

A74-33904 # Scanning multispectrum system in an aircraft experiment in earth resources studies (Mnogospektral'naia skaniruiushchaia sistema v samoletnom eksperimente po issledovaniiu zemnykh resursov). G. A. Avanesov, I. V. Barinov, and V. D. Glazkov (Akademiia Nauk SSSR, Institut Kosmicheskikh Issledovanii, Moscow, USSR). Meteorologiia i Gidrologiia, Apr. 1974, p. 30-36. In Russian.

Airborne and ground equipment designed for video information collecting and processing in earth resources survey is described. The equipment includes a scanning multispectrum system providing earth surface images in eight spectral sections simultaneously, at wavelengths ranging from 0.35 to 1.1 micron; an onboard digital video recording system for tape recording in four selected spectral regions; a video data processing system for computer input; and a data readout system for color and black-and-white image synthesis. V.Z.

A74-34636 The spectral reflectance of a vegetated surface.

II - An eight-channel-radiometer for measurements of the reflected radiation field (Das spektrale Reflexionsvermögen einer bewachsenen Oberfläche. II - Ein Achtkanal-Radiometer zur Messung des re-

flektierten Strahlungsfeldes). K. T. Kriebel (München, Universität, Munich, West Germany). Beiträge zur Physik der Atmosphäre, vol. 47, no. 2, 1974, p. 119-128. In German. Research supported by the Bundesministerium für Bildung und Wissenschaft and Deutsche Forschungsgemeinschaft.

The spectral radiometer described will measure, from an aircraft, the reflected spectral radiance as a function of the angle. Measurements are made simultaneously in eight narrow spectral regions. The device is an eight-channel step-scan spectral radiometer mounted in a streamlined travel pod. A cross-sectional view of the radiometer is given and discussed, along with the transmission curves of the eight interference filters, and the block diagram of the signal processing electronics.

V.P.

A74-34769 Applied solid state science: Advances in materials and device research. Volume 4. Edited by R. Wolfe (Bell Telephone Laboratories, Inc., Murray Hill, N.J.). New York, Academic Press, Inc., 1974. 354 p. \$28.50.

Narrow gap semiconductors are considered along with solid state batteries and heterostructure junction lasers. Electrooptic ceramics are discussed, giving attention to the optical behavior of ferroelectric ceramics, the composition and preparation of lead lanthanum zirconate titanate (PLZT) ceramics, the properties of PLZT ceramics, and the applications of electrooptic ceramics.

Individual items are announced in this issue.

G.R.

P.T.H.

A74-34770 Narrow gap semiconductors. T. C. Harman and I. Melngailis (MIT, Lexington, Mass.). In: Applied solid state science: Advances in materials and device research. Volume 4.

New York, Academic Press, Inc., 1974, p. 1-94. 233 refs. USAF-sponsored research.

Attention is given to those aspects of narrow gap semiconductors which are of primary importance in device development.
The current state of the art of infrared detectors and emitters is
examined, taking into account photovoltaic devices for use as
thermal sensors and as wide-band receivers in laser systems. Other
subjects considered include recent advances in tunable lasers and
their users in high-resolution spectroscopy and air pollution measurements.

G.R.

A74-35287 International Cryogenic Engineering Conference, 5th, Kyoto, Japan, May 7-10, 1974, Preprints. Volumes 1 & 2. Conference sponsored by the Cryogenic Association of Japan. Tokyo, H. Nagano; University of Tokyo, 1974. Vol. 1, 216 p.; vol. 2, 358 p.

Recent theoretical and experimental studies of superconductivity, its technology and applications, are presented in a number of papers. Some of the topics covered include superconducting levitated transport systems, superconducting power transmission, macroscopic derivation of maximum Josephson tunneling current density, ac losses of a superconducting wire in a longitudinal magnetic field, a high speed superconducting generator, superconducting magnet and fusion reactor, development of high voltage cryoresistive cable, a millikelvin dilution refrigerator with plastic exchangers, and indications for the future of superconducting technology.

Individual items are announced in this issue.

A74-36675 Use of radiometric measurements in the microwave band for spectral investigations of the earth's upper atmosphere. L. M. Mitnik (Akademiia Nauk SSSR, Institut Radiotekhniki i Elektroniki, Moscow, USSR). (Akademiia Nauk SSSR, Izvestiia, Fizika Atmosfery i Okeana, vol. 9, Oct. 1973, p. 1092-1096.) Academy of Sciences, USSR, Izvestiya, Atmospheric and Oceanic Physics, vol. 9, Oct. 1973, p. 618-621. 19 refs. Translation.

A74-37021 # The information content of remote measurements of atmospheric temperature by satellite infra-red radiometry and optimum radiometer configurations. G. Peckham (Heriot-Watt University, Edinburgh, Scotland). Royal Meteorological Society, Quarterly Journal, vol. 100, July 1974, p. 406-419. 19 refs.

Infrared radiometry from an earth satellite is becoming an important technique for the determination of the three-dimensional temperature structure of the atmosphere on a global scale. A quantitative expression for the information content of the data from a temperature sounding radiometer is derived. A simple model for the 15-micron CO2 absorption band is used to find radiometer configurations which give maximum information. The spectral bandwidths corresponding to these optimum configurations are considerably broader than those specified in the past for radiometers of this type. The technique of selective chopping in which the radiometer contains absorbing cells filled with CO2 is shown to make a significant increase in the information content. (Author)

A74-37295 Target image frequency spectrum in Doppler radars. S. A. Hovanessian (Hughes Aircraft Co., Canoga Park, Calif.). IEEE Transactions on Aerospace and Electronic Systems, vol. AES-10, July 1974, p. 497-503. 5 refs.

A mathematical model to study target image return frequency spectrums in Doppler radars is described. The model includes the effects of eclipsing, sea surface slope distribution, and surface reflectivity characteristics. The procedure of calculations has been computerized and the analytical results are compared to flight-test values obtained from flight over the ocean. The calculated values of amplitude-frequency spectrums of target image returns correspond reasonably well with the respective recorded flight-test data. (Author)

A74-37476 * # Remote atmospheric sensing with an airborne laser absorption spectrometer. R. T. Menzies and M. T. Chahine (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, Calif.). Optical Society of America, Spring Meeting, Washington, D.C., Apr. 21-25, 1974, Paper. 41 p. 29 refs.

A laser absorption spectrometer, using an infrared laser transmitter and a heterodyne radiometer, can be used from an aircraft or spacecraft to measure altitude profiles of air pollutants and other atmospheric constituents. The technique involves measurement of differential absorption at several wavelengths, using the diffusely reflecting earth's surface to provide a return signal. The pressure broadening of absorption lines allows one to discriminate between high and low altitude absorbers. Application of the technique to measurements of ozone, nitric oxide, and water vapor are presented. CO2 and CO lasers are considered as transmitters. The discussion includes altitude resolution limitations, atmospheric temperature dependence, and frequency stability requirements of the instrument.

A74-37509 Equipment for space research: Data coding and compression (Apparatura dlia kosmicheskikh issledovanii: Kodirovanie, szhatie dannykh). Edited by Iu. K. Khodarev. Moscow, Izdateľstvo Nauka, 1973. 120 p. In Russian.

Questions concerning the theoretical calculation and the realization of spacecraft equipment for the collection, processing, and transmission of data are examined in a number of papers. Some of the topics covered include: sequence length coding with no a priori knowledge, multipurpose systems of data collection and processing, the construction of spacecraft antenna systems, analysis of multiple band-pass filters, and the selection of cutoff frequencies for intermediate frequency amplifiers in a superheterodyne radiometer.

A74-37520 # Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range (O vybore granichnykh chastot usilitelia promezhutochnoi chastoty v supergeterodinnom radiometre millimetrovogo i santimetrovogo diapazonov voln). Iu. A. Nemlikher, I. A. Strukov, and L. N. Iudina. In: Equipment for space iresearch: Data coding and compression.

Moscow, Izdatel'stvo Nauka, 1973, p. 82-87. 7 refs. In Russian.

A74-37858 # Instrumentation techniques for advanced fine-pointing mechanisms in a passive seismic environment. D. H. Wine (Martin Marietta Aerospace, Denver, Colo.). American Institute of Aeronautics and Astronautics, Mechanics and Control of Flight Conference, Anaheim, Calif., Aug. 5-9, 1974, Paper 74-872. 5 p. Members, \$1.50; nonmembers, \$2.00.

Description of a technique which uses a Linear Variable Differential Transformer and a Hewlett-Packard laser interferometer to measure linear displacements, and an interferometer-autocollimator to measure angular rotation, in the detection and measurement of angular deviations less than 0.1 milliarcsec in a passive seismic environment. Displacement of interference fringes is detected and measured by a photoelectric detector whose output is proportional to fringe displacement. The detector designs are described and their use in an air-bearing motion simulator is discussed in the measurements of angles in inertial reference-component applications and other aerospace applications.

N74-21966*# National Environmental Satellite Service, Washington, D.C.

A CLOUD PHYSICS INVESTIGATION UTILIZING SKYLAB DATA Quarterly Progress Report, Jan. - Mar. 1974

John Alishouse, Herbert Jacobowitz, and David Wark, Principal Investigators Mar. 1974 4 p EREP

(NASA Order T-4715-B)

(E74-10441; NASA-CR-137424; QPR-4) Avail: NTIS HC \$4.00 CSCL 04A

There are no author-identified significant results in this report.

N74-21984*# National Ocean Survey, Rockville, Md. Photogrammetric Research Branch.

SKYLAB A PROPOSAL AEROTRIANGULATION WITH VERY SMALL SCALE PHOTOGRAPHY Quarterly Report, 15 Jan. - 15 Apr. 1974

Morton Keller, Principal Investigator 15 Apr. 1974 1 p

(NASA Order T-4110-B)

(E74-10459; NASA-CR-137448) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-22008*# Arizona Univ., Tucson.

EVALUATION OF ERTS-1 IMAGE SENSOR SPATIAL RESOLUTION IN PHOTOGRAPHIC FORM Progress Report, 1 Jan. - 1 Mar. 1974

P. N. Slater, Principal Investigator, R. L. Antos, and R. A. Schowengerdt Apr. 1974 19 p ERTS

(Contract NAS5-21849) (E74-10484: NASA-CR-136880; PR-9) Avail:

(E74-10484; NASA-CR-136880; PR-9) Avail: NTIS HC \$4.00 CSCL 14E There are no author-identified significant results in this

There are no author-identified significant results in this report.

N74-22115*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

07 DATA PROCESSING DISTRIBUTION SYSTEMS

A MULTI-SENSOR ANALYSIS OF NIMBUS 5 DATA ON 22 JANUARY 1973

L. J. Allison, E. B. Rodgers (Environ. Res. and Technol., Inc., Lexington, Mass.), T. T. Wilheit, and R. Wexler Jan. 1973 58 p. refs

(NASA-TM-X-70633; X-910-74-20) Avail: NTIS HC \$6.00 CSCL 14B

The Nimbus 5 meteorological satellite carried aloft a full complement of radiation sensors, the data from which were analyzed and intercompared during orbits 569-570 on 22 January 1973. The electrically scanning microwave radiometer (ESMR) which sensed passive microwave radiation in the 19.35 GHz region, delineated rain areas over the ocean off the U.S. east coast, in good agreement with WSR-57 and FPS-77 radar imagery and permitted the estimation of rainfall rates in this region. Residual ground water in the lower Mississippi Valley, which resulted from abnormal rainfall in previous months, was indicated under clear sky conditions by soil brightness temperature values in the Nimbus 5 ESMR and U.S. Air Force Data Acquisition and Processing Program (DAPP) IR data. The temperaturehumidity infrared radiometer showed the height and spatial configuration of frontal clouds along the east coast and outlined the confluence of a polar jet stream with a broad sub-tropical jet stream along the U.S. Gulf Coast. Temperature profiles from three vertical temperature sounders, the infrared temperature profile radiometer (ITPR), the Nimbus E microwave spectrometer (NEMS) and the selective chopper radiometer (SCR) were found to be in good agreement with related radiosonde ascents along orbit 569 from the sub-tropics to the Arctic Circle.

N74-22950*# Geological Survey, Denver, Colo.
REMOTE SENSING GEOPHYSICS FROM SKYLAB Monthly
Report, Apr. 1974

Kenneth Watson, Principal Investigator and H. A. Pohn Apr. 1974 2 p ref EREP

(NASA Order T-6555-B)

(E74-10501; NASA-CR-136906) Avail: NTIS HC \$4.00 CSCL ORE

There are no author-identified significant results in this report.

N74-25668 Tennessee Univ., Knoxville.
CIRCULAR SCAN SYNTHETIC APERTURE RADAR Ph.D.
Thesis

Harold Irvin Brock 1973 148 p

Avail: Univ. Microfilms Order No. 74-11233

Terrain imaging obtained, by using a microwave radar mounted upon a spinning vehicle is studied. The resolution necessary to produce accurate radar maps is obtained without the need for a large bulky antenna. This method, which is called circular scan synthetic aperture radar, is similar to linear synthetic aperture radar (SAR). A brief review of the side-looking SAR principle is given and the optimum resolutions are derived. The circular scan SAR case is presented. The impulse response of the system is determined, and the equations for the optimum resolution are derived. The effects of phase errors are also included. The return signal is sinusoidal frequency modulated, and the matched filter response for this signal is derived. The problem of imaging a distributed target is studied, and the limitations upon obtaining an image are stated. The effects of the spatial frequencies of the target upon the resolution and the sampling rate are Dissert. Abstr. identified.

N74-25861*# Environmental Research and Technology, Inc., Lexington, Mass

EXPERIMENTAL EVALUATION OF ATMOSPHERIC EFFECTS ON RADIOMETRIC MEASUREMENTS USING THE EREP OF SKYLAB Quarterly Progress Report, 7 Feb. - 7 May 1974

David T. Chang, Principal Investigator 10 May 1974 5 p ref

(Contract NAS9-13343)

(E74-10543; NASA-CR-138292; QPR-4) Avail: NTIS HC \$4.00 CSCL 04A

There are no author-identified significant results in this report.

N74-25866*# Boeing Co., Kent, Wash.

QUANTITATIVE DETERMINATION OF STRATOSPHERIC AEROSOL CHARACTERISTICS Monthly Report, Apr. 1974 David L. Tingey, Principal Investigator Apr. 1974 2 p EREP (Contract NAS9-13303)

(E74-10550; NASA-CR-138299) Avail: NTIS HC \$4.00 CSCL 04A

There are no author-identified significant results in this report.

N74-25878*# South Alabama Univ., Mobile. Dept. of Mechanical Engineering.

ATMOSPHERIC EFFECTS ON REMOTE SENSING OF NON-UNIFORM TEMPERATURE SOURCES Final Report, Mar. 1973 - Apr. 1974

William A. McNeill and Barry P. Dixon 1 May 1974 44 p refs

(Contract NAS8-28722)

(NASA-CR-129028) Avail: NTIS HC \$5.25 CSCL 04A

The effects are considered of an absorbing, emitting, and scattering atmosphere upon the remote sensing of surface areas having non-uniform intensity. These atmospheric effects may be significant in determination, by remote sensing, of non-uniform surface temperature distributions, and the results of the investigation are applicable in such cases. Analytical methods and a digital computational program are presented, expressing the results in terms of contrast and contrast transmittance between two adjacent emitting areas having unequal intensities, in the presence of a additional disturbing emitters. In the computational procedure, emitting areas are replaced by point-source emitters, each assigned and effective intensity based upon the intensity of the area it replaces. Absorbing, emitting, and scattering behavior of the atmosphere may be specified in the computational procedure either by means of analytical atmospheric models or by means Author of calibrating ground level emitters.

N74-25891*# Kanner (Leo) Associates, Redwood City, Calif.
THE ACCURACY OF SATELLITE TEMPERATURE SOUN-DING OF THE ATMOSPHERE

V. P. Tarakanova Washington NASA Jun. 1974 7 p refs Transl, into ENGLISH from Meteorol. i Gidrol. (Moscow), no. 4, Apr. 1974 p 76-78

(Contract NASw-2481)

(NASA-TT-F-15690) Avail: NTIS HC \$4.00 CSCL 04A

Data are presented on the statistical structure of the errors of indirect satellite soundings at various levels in the atmosphere. Standard aerological sounding data are used. Comparison of the correlations at various levels demonstrates the lowest correlation at the 200 mb level. Data are presented on correlation of errors at various levels at the same point, in which case the correlations are below the significance level. This apparently is connected with the method of processing the indirect sounding data.

Author

N74-25913# Air Force Systems Command, Wright-Patterson AFB, Ohio. Foreign Technology Div. INFRARED RADIOMETER FOR GEOLOGICAL MAPPING

INFRARED RADIOMETER FOR GEOLOGICAL MAPPING V. A. Verbitskii, A. G. Grammakov, B. M. Kolomytsev, and G. S. Smirnov 11 Mar. 1974 8 p refs Transl into ENGLISH from Izv. Vyssh. Ucheb. Zaved. Priborostr. (Leningrad), v. 15, no. 3, 1972 p 110-111

(AD-776888; FTD-HT-23-912-74) Avail: NTIS CSCL 08/7

In the article the operating principle and operation of an infrared radiometer with a constant field of vision angle, which was designed for geological mapping from the natural infrared radiation of the earth, are described. A block-diagram is provided and the basic parameters of the instrument, obtained during laboratory and field tests of the radiometer, are presented. GRA

N74-26857*# City Coll. of the City of New York. University Inst. of Oceanography.

A JOINT METEOROLOGICAL, OCEANOGRAPHIC AND SENSOR EVALUATION PROGRAM FOR EXPERIMENT \$193 ON SKYLAB Monthly Plans and Progress Report, period ending 13 Mar. 1974

Willard J. Pierson, R. K. Moore, and E. P. McClain, Principal Investigators 13 Mar. 1974 3 p EREP (Contract NAS9-13642)

(E74-10514; NASA-CR-138264) Avail: NTIS HC \$4.00 CSCL 14B

There are no author-identified significant results in this report.

N74-27786*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.

DESIGN DATA COLLECTION WITH SKYLAB/EREP MI-CROWAVE INSTRUMENT S-193 Monthly Progress Report, Apr. 1974

Richard K. Moore, Fawwaz T. Ulaby, Principal Investigators, Cheng King, John Barr, Bruce Short, and Saad Ulaby Apr. 1974 4 p EREP

(Contract NAS9-13331)

(E74-10603; NASA-CR-138712) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-27799* Kansas State Univ., Manhattan. FLEXIBLE DCP INTERFACE

E. T. Kanemasu and H. Schimmelpfenning In its Wheat: Its Water Use, Production and Disease Detection and Prediction 5 Feb. 1974 24 p ERTS

(Contrib-1397) CSCL 05B

The author has identified the following significant results. A user of an ERTS data collection system (DCS) must supply the sensors and signal-conditioning interface. The electronic interface must be compatible with the NASA-furnished data collection platform. A universal signal-conditioning system for use with a wide range of environmental sensors is described. The interface is environmentally and electronically compatible with the DCP and has operated satisfactorily for a complete winter wheat growing season in Kansas.

N74-27825# Geological Survey, Reston, Va. REMOTE SENSING PLATFORMS
Alden P. Colvocoresses 1974 81 p refs

(USGS-Circ-693) Avail: NTIS HC \$7.25; free on application

to the US Geological Survey, Reston, Va. 22092 CSCL 14E
Typical vehicles which carry remote sensors into the
atmosphere or beyond into space are described and illustrated.
Airborne platforms and spacecraft are selected from vehicles
which have demonstrated acceptance and capability, or have
been defined for future remote sensing missions. Except for an
unique British kite balloon, only American platforms are covered.
Remote sensing of the Earth is the prime consideration, but
sensing of other planets and moons is also considered. Author

N74-27891# Atomic Energy Commission, Oak Ridge, Tenn. Technical Information Center.

RADIOMETRIC GAGES: A BIBLIOGRAPHY

W. Hugh Kinser, comp. Jan. 1974 125 p refs (TID-3338) Avail: NTIS HC \$5.45

Approximately 794 references to reports and published literature on the design, operation, and uses of radiometric gages in industry, hydrology, civil engineering, and in the laboratory are presented. Abstracts of the papers are presented: and corporate author, report number, personal author, and subject indexes are included.

N74-27896# California Univ., Los Angeles. Inst. of Geophysics and Planetary Physics.

A DIGITAL OFFSET FLUXGATE MAGNETOMETER FOR USE IN REMOTE GEOMAGNETIC OBSERVATORIES

James J. Power 20 Sep. 1973 93 p refs (Contract F19628-72-C-0175; AF Proj. 8601)

(AD-777885; IGPP-1247-37; SR-1; AFCRL-TR-73-0603) Avail: NTIS CSCL 17/6

The circuit design of a completely automatic fluxgate magnetometer is presented. The instrument is designed to measure the magnitude and direction of the local field vector at the observatory over a dynamic range of plus or minus 65.500 gamma with a resolution of 0.1 gamma. Design goals for the uncertainty in the zero offset of the sensor and noise level of the sensor are less than 1 gamma and 0.1 gamma peak to peak, respectively. The ring core fluxgate sensors are constructed using commercially available nickel alloy magnetic cones. The electronics of each axis contain two null feedback circuits. The fine feedback system with a dynamic range of plus or minus 64 gamma establishes the fundamental resolution and frequency response of the instrument. A digital offset feedback system maintains the ambient field along the sensor axis within the dynamic range of the fine system by automatic application of an appropriate number of discrete steps of 64 gamma. (Modified author abstract)

N74-28812*# National Oceanic and Atmospheric Administration. Washington, D.C. National Environmental Satellite Service.

A CLOUD PHYSICS INVESTIGATION UTILIZING SKYLAB DATA Quarterly Progress Report, Apr. - Jun. 1974
John Alishouse, Herbert Jacobowitz, and David Wark, Principal Investigators Jun. 1974 3 p refs EREP (NASA Order T-4715-B)

(E74-10567; NASA-CR-138642; QPR-5) Avail: NTIS HC \$4.00 CSCL 04A

There are no author-identified significant results in this report.

N74-28815* # Purdue Univ., Lafayette, Ind. Lab. for Applications of Remote Sensing.

A MULTILEVEL, MULTISPECTRAL DATA SET ANALYSIS IN THE VISIBLE AND INFRARED WAVELENGTH REGIONS

L. F. Silva, Principal Investigator and L. L. Biehl. 15 Jul. 1974 45 p. refs. Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP (Contract NAS9-13301)

(E74-10571; NASA-CR-138646) Avail: NTIS HC \$5.25 CSCL 058

There are no author-identified significant results in this report.

N74-28827*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.
DESIGNED DATA COLLECTION WITH SKYLAB/EREP

MICROWAVE INSTRUMENT S-193 Monthly Progress
Report, Mar. 1974

Richard K. Moore, Fawwaz T. Ulaby, Principal Investigators, Cheng King, John Barr, Bruce Short, and Saad Ulaby Mar. 1974 4 p.

(Contract NAS9-13331)

(E74-10584; NASA-CR-138689) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-28840*# Boeing Co., Kent, Wash.
QUANTITATIVE DETERMINATION OF STRATOSPHERIC
AEROSOL CHARACTERISTICS Monthly Report, May 1974
David L. Tingey, Principal Investigator May 1974 1 p EREP
(Contract NAS9-13303)
(E74-10607; NASA-CR-138716) Avail: NTIS HC \$4.00 CSCL

O4A

There are no author-identified significant results in this report.

N74-28868*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.

A SURVEY OF TERRAIN RADAR BACKSCATTER COEF-FICIENT MEASUREMENT PROGRAMS Advance Report of Significant Results

Richard K. Moore, Principal Investigator and C. King Dec. 1973 87 p refs EREP

(Contract NAS9-13331)

(E74-10634; NASA-CR-138808; CRES-TR-243-2) Avail: NTIS HC \$7.50 CSCL 171

There are no author-identified significant results in this report.

N74-28869*# Radio Corp. of America, Princeton, N.J. Astro-Electronics Div.

METEOROLOGICAL UTILITY OF HIGH RESOLUTION MULTI-SPECTRAL DATA Final Report

John M. Danko, Principal Investigator 31 May 1974 68 p Original contains imagery. Orginal photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21741)

(E74-10835; NASA-CR-138809; AED-R-4011) Avail: NTIS HC \$6.50 CSCL 04B

There are no author-identified significant results in this report.

N74-28882*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.

DESIGN DATA COLLECTION WITH SKYLAB/EREP MICROWAVE INSTRUMENT S-193 Monthly Letter Progress Report No. 10, 1-30 Jun. 1974

Richard K. Moore, Fawwaz T. Ulaby, Principal Investigators, Arun Sobti, Cheng King, John Barr, Bruce Short, and Saad Ulaby Jun. 1974 11 p EREP

(Contract NAS9-13331)

(E74-10649; NASA-CR-138862) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-28883*# Kansas Univ. Center for Research, Inc., Lawrence. Remote Sensing Lab.

DESIGN DATA COLLECTION WITH SKYLAB/EREP MI-CROWAVE INSTRUMENT S-193 Monthly Letter Progress Report No. 9, 1-31 May 1974

Richard K. Moore, Fawwaz T. Ulaby, Principal Investigators, Arun Sobti, Cheng King, John Barr, Bruce Short, and Saad Ulaby May 1974 19 p ref EREP (Contract NAS9-13331)

(E74-10650; NASA-CR-138863) Avail: NTIS HC \$4.00 CSCL 05B

There are no author-identified significant results in this report.

N74-28887*# Massachusetts Inst. of Tech., Cambridge. Center for Space Research.

APPENDIX TO THEORY OF RADIO-FREQUENCY INTERFER-OMETRY IN GEOPHYSICAL SUBSURFACE PROBING, NUMERICAL RESULTS

J. A. Kong and L. Tsang [1974] 427 p (Contract NAS9-11540)

(NASA-CR-134333; CSR-TR-74-2) Avail: NTIS HC \$24.50 CSCL 08M

A series of interference and radiation patterns are presented for radio interferometry in subsurface probing. The interference patterns are due both to a vertical magnetic dipole and to a horizontal electric dipole. Mode solutions are also presented for layer thickness equal to 1 wavelength, as well as for thin layers.

J.A.M.

N74-29055 Joint Publications Research Service, Arlington, Va. USE OF BASE TECHNIQUES FOR ENVIRONMENTAL RESOURCE STUDIES. AN AIRCRAFT EXPERIMENT

Yu. K. Khodarev, G. A. Avanesov, B. S. Dunayev, Ya. L. Ziman, and Yu. M. Chesnokov *In its* Meteorology and Hydrol. no. 4, 1974 (JPRS-62306) 24 Jun. 1974 p 27-32 refs Transl. into ENGLISH from Meteorol. i Gidrol. (Moscow), no. 4, 1974 p 25-29

An aircraft experiment on the topic of environmental resource studies by space techniques is described. The basic principles are presented on the basis of which a set of onboard scientific equipment was assembled, and the experimental program was laid out. There is a brief description of the multispectral scientific equipment onboard the laboratory aircraft and the principles on which the spectral zones were selected for it. The basic regions covered by the photographs are listed.

N74-29056 Joint Publications Research Service, Arlington, Va. MULTISPECTRAL SCANNING SYSTEM IN AN AIRCRAFT EXPERIMENT TO STUDY THE EARTH'S RESOURCES

G. A. Avanesov, I. V. Barinov, and V. D. Glazkov *In its* Meteorology and Hydrol. no. 4, 1974 (JPRS-62306) 24 Jun. 1974 p 33-41 Transl. into ENGLISH from Meteorol. i Gidrol. (Moscow), no. 4, 1974 p 30-36

Descriptions are presented of systems making up the preliminary model of the experimental set of video information gathering and processing devices, some preliminary experimental results are included.

Author

09

GENERAL

Includes economic analysis.

A74-29008 # Practical use of space vehicles in the light of the principle of state sovereignty over natural resources. V. D. Bordunov. International Astronautical Federation, International Astronautical Congress, 24th, Baku, Azerbaidzhan SSR, Oct 7-13, 1973, Paper. 6 p. 6 refs.

The use of space vehicles for the evaluation and research of resources gives the opportunity of obtaining information about the natural resources of foreign states. The natural resources are not only components of the territory; they are the material basis of the existence of states. It is evident that information about natural resources has a great value for the economic policies of any country. That is why the right of a country to obtain and use this information means that questions on obtaining, disseminating, and making use of its natural resources should be settled by the state itself.

A74-29031 * # Skylab systems flight performance - An interim report. L. F. Belew (NASA, Marshall Space Flight Center, Huntsville, Ala.). International Astronautical Federation, International Astronautical Congress, 24th, Baku, Azerbaidzhan SSR, Oct. 7-13. 1973. Paper. 15 p.

An unmanned Skylab space station was launched on May 14, 1973. The space station was inserted into a near-circular earth orbit of approximately 435 kilometers altitude. Initial difficulties with Skylab are reported together with the steps taken to overcome these difficulties. The first crew made its rendezvous with Skylab on May 25. A Skylab description is given and a systems overview is presented. Skylab attitude requirements are discussed together with details of attitude control, the communications network, scientific investigations, student experiments, earth resources studies, weather studies, solar observations, biomedical investigations, technology investigations, crew mobility and effectiveness investigations, habitability assessments, and a comet observation. G.R.

A74-29288 Mendonça's dream of Brazil in space. B. Maddox. New Scientist, vol. 62, Apr. 18, 1974, p. 114, 115.

The services which communications satellites could provide for Brasil are connected with the characteristics of the Brasilian geographic situation in which the points to be connected are scattered, separated by vast distances, and yet share a common language. A civilian space research institute and a commission on space activities are exploring approaches for implementing a space program. The major applications projects are dependent on the NASA satellites ERTS-1 and ATS-F.

G.R.

A74-29451 * # Widening ERTS applications. E. P. Mercanti (NASA, Goddard Space Flight Center, Office of Mission Utilization, Greenbelt, Md.). Astronautics and Aeronautics, vol. 12, May 1974, p. 28-39.

In less than two years of operation ERTS-1 is shown to have successfully completed its experimental mission and to be delivering an ever-increasing roster of benefits. The widening ERTS applications reviewed include air quality and weather modification, aid to oil exploration, ore-deposit exploration, short-lived event observation, flood area assessment and flood-plain mapping, land and water quality assessment, soil association mapping, crop production measurements, wildlife resources, drought and desertification studies, ground-water exploration, watershed surveys, snow and ice moni-

toring, surface water mapping, and iceberg surveys. Future projects and developments are also briefly reviewed.

M.V.E.

A74-33070 Education and training in remote sensing. R. G. Reeves (U.S. Geological Survey, EROS Data Center, Sioux Falls, S. Dak.). Photogrammetric Engineering, vol. 40, June 1974, p. 691-696.

The present work describes generally the education and training programs conducted by the Earth Resources Observation Systems Program (EROS Program), designed to educate user specialists and managers in the technology of extraction of information from remote-sensor data and in the application of remote sensing to resources and environmental problems. Training courses at the EROS Data Center emphasize the interpretation of data and minimize theoretical aspects of remote sensing. Two levels of courses are planned: technique-transfer courses and courses aimed at a particular discipline or several closely related disciplines.

A74-33598 Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings. Colloquium sponsored by the International Astronautical Federation. Edited by M. D. Schwartz (California, University, Davis, Calif.). Davis, Calif., University of California; South Hackensack, N.J., Fred B. Rothman and Co., 1973. 288 p. In English, French, and Spanish. \$20.

Legal problems of space technology are discussed, covering those of earth resources survey satellites, those of communications satellites and their international implications. The provisions of international conventions and legislations on the subjects are interpreted and assessed. Attention is given to arbitration procedures and compensation of damage. The need for a revision and augmentation of the existing international space legislation is stressed. Suggestions are given as to how the deficiencies of present laws and regulations could be alleviated.

V.Z.

A74-33599 # Detection of earth resources by remote sensors /Systems and Problems/. S. Estradé. In: Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings.

Davis, Calif., University of California; South Hackensack, N.J., Fred B. Rothman and Co., 1973, p. 4-16.

The influence of space technology on the development of earth resources is discussed, covering space photography, magnetometric and gravimetric detection, IR photography, spectrometry, and the ERTS and other U.S. and foreign earth resources satellites. Emphasis is made on the international legal aspects of this technology concerning the right of a nation to acquire data on its resources collected by other nations. Publicity, public information, national development plans, espionage, and international economy are also considered as points requiring legal stipulations and clarifications. The need for a new space treaty settling these questions is pointed out.

A74-33600 # International legal aspects of earth resources satellites. S. Gorove. In: Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings.

Davis, Calif., University of California; South Hackensack, N.J., Fred B. Rothman and Co., 1973, p. 30-32. 8 refs.

The applicability of the provisions of the Outer Space Treaty of 1967 is questioned, with specific references to Articles I, III, VIII and IX of the Treaty. Article XI, on the other hand, is singled out as one which is more relevant to the use of earth resources survey satellites. It is felt that a continuing exploration of possible bilateral and multilateral approaches to international cooperation should be a circumspect policy for the United States to pursue.

V.Z.

A74-33601 # Legal aspects of estimating, conserving, and developing earth resources by means of spacecraft (Aspects juri-

09 GENERAL

diques de l'estimation, conservation, et développement des ressources de la terre au moyen d'objets spatiaux). G. Meloni. In: Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings.

Davis, Calif., University of California; South Hackensack, N.J., Fred B. Rothman and Co., 1973, p. 38-44. 26 refs. In French.

The harmonization of the national interest of individual nations with the common interest of mankind as a whole in the utilization of space for such peaceful purposes as the survey, conservation, and development of earth resources is discussed. Special attention is given to the possibilities and limitations of international control of such space activities by United Nations organs.

M.V.E.

A74-33612 # Space law and international action. E. Brooks. In: Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings. Davis, Calif., University of California; South Hackensack, N.J., Fred B. Rothman and Co., 1973, p. 188-196. 24 refs.

Some written agreements which outline the political contours of space are reviewed for the models they set for future international space activities. Particular attention is given to the Intelsat agreement and to bilateral agreements between the USSR and the United States, such as the agreements on cooperation in the field of environmental protection, in the exploration and use of outer space for peaceful purposes, and in the fields of medical science and public health and of science and technology. It is submitted that, although the monopoly of space technology of U.S. and USSR leads to the line of least diplomatic resistance, which is bilateralism, the larger significance of planetary exploration and near-space scientific studies and environmental monitoring requires a multilateral approach.

A74-35982 Earth Resources Technology Satellite 1 - Space research object earth (Earth Resources Technology Satellite 1 - Resumforschungsobjekt Erde). U. Ladnorg. Flug Revue/Flugwelt International, July 1974, p. 41-43. In German.

The ERTS-1 was launched on July 23, 1972. The objective of this satellite was to explore the possibilities regarding the use of satellites for the observation and the registration of earth resources, vegetation, and surface conditions. Details concerning the observational equipment of the satellite are discussed along with the spectral regions available for the observations, the wide-band video tape recorders, the data collection system, aspects of spacecraft design, operational questions, and the employment of the ERTS results.G.R.

A74-36226 * Utilization of space technology for terrestrial solar power applications. R. K. Yasui (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, Calif.) and R. E. Patterson (TRW Systems Group, Redondo Beach, Calif.). In: Photovoltaic Specialists Conference, 10th, Palo Alto, Calif., November 13-15, 1973, Conference Record. Conference sponsored by the Institute of Electrical and Electronics Engineers, New York, Institute of Electrical and Electronics Engineers, Inc., 1974, p. 239-253, 10 refs. Contract No. NAS7-100.

A description is given of the evolution of photovoltaic power systems designed and built for terrestrial applications, giving attention to problem areas which are currently impeding the further development of such systems. The rooftop testing of surplus solar panels is considered along with solar powered seismic observatories, solar powered portable radio sets, and design considerations identified from past experience. Present activities discussed are related to a solar powered on-shore beacon flasher system, a solar powered buoy, and a solar powered beacon flasher buoy.

G.R.

N74-21976*# Environmental Research Inst. of Michigan, Ann Arbor. SKYLAB SUPPORT Progress Report, Apr. 1973 - Feb. ,1974
Lester V. Manderscheid, Jon D. Erickson, Principal Investigators, and Richard F. Nalepka 18 Mar. 1974 2 p Prepared in cooperation with Mich. State Univ. EREP (Contract NAS9-13332)

(E74-10451: NASA-CR-137440: ERIM-104600-10-L) Avail: NTIS HC \$4.00 CSCL 05A

There are no author-identified significant results in this report.

N74-21988*# North Carolina State Univ., Raleigh. Dept. of Geosciences.

UTILIZATION OF EREP DATA IN GEOLOGICAL EVALUA-TION, REGIONAL PLANNING, FOREST MANAGEMENT, AND WATER MANAGEMENT IN NORTH CAROLINA Quarterly Progress Report, Dec. 1973 - Feb. 1974 Charles W. Welby, Principal Investigator 8 Apr. 1974 2 p

Charles W. Welby, Principal Investigator 8 Apr. 1974 2 EREP

(Contract NAS9-13321) (E74-10463; NASA-CR-137452) Avail: NTIS HC \$4.00 CSCL 09B

There are no author-identified significant results in this report.

N74-22018*# California Univ., Berkeley. Space Sciences Lab.
AN INTEGRATED STUDY OF EARTH RESOURCES IN THE
STATE OF CALIFORNIA BASED ON SKYLAB AND
SUPPORTING AIRCRAFT DATA Quarterly Progress Report
Robert N. Colwell, Principal Investigator 28 Feb. 1974 9 p
EREP

(Contract NAS2-7562)

(E74-10495; NASA-CR-136899) Avail: NTIS HC \$4.00 CSCL 08F

Skylab data has been used: (1) as an aid to resource management in Northern California; (2) to assess and monitor change in the Southern California environment; and (3) for resource inventory and analysis of The California Desert Program.

N74-22026*# Cornell Univ., Ithaca, N.Y.
REMOTE SENSING PROGRAM Semiannual Status Report,
1 Jun. - 30 Nov. 1973

Ta Liang 27 Dec. 1973 150 p refs (Grant NGL-33-010-171)

(NASA-CR-138135) Avail: NTIS HC \$10.50 CSCL 08F

Research projects concerning the development and application of remote sensors are discussed. Some of the research projects conducted are as follows: (1) aerial photographic inventory of natural resources, (2) detection of buried river channels. (3) delineation of interconnected waterways, (4) plant indicators of atmospheric pollution, and (5) techniques for data transfer from photographs to base maps. On-going projects involving earth resources analyses are described.

N74-22047*# Kansas Univ. Center for Research, Inc., Lawrence. Space Technology Center.

RESEARCH ON THE APPLICATION OF SATELLITE REMOTE SENSING TO LOCAL, STATE, REGIONAL AND NATIONAL PROGRAMS INVOLVED WITH RESOURCE MANAGEMENT AND ENVIRONMENTAL QUALITY Annual Report, 1 Apr. 1972 - 30 Mar. 1974

B. G. Barr Apr. 1974 98 p (Grant NGL-17-004-024)

(NASA-CR-138173) Avail: NTIS HC \$8.00 CSCL 08B

A program designed to involve state, regional and local agency personnel in the application of remote sensing is reported. During this period fifteen applications projects were initiated in support of twenty-five separate state, county and municipal agencies or entities. Eight of the projects were completed with positive results

which aided the agencies involved. These results included information which contributed to decisions on: (1) selection of a route for a scenic parkway. (2) policy development on open land use. (3) policy related to urban development, (4) a major reservoir project by a governor's staff. (5) control tactics and damage assessment during flooding conditions on the Kansas and Missouri rivers, and (6) initiating a program of habitat inventory by remote sensing by the Kansas Forestry, Fish and Game Commission.

N74-22070# Deutsche Forschungs- und Versuchsanstalt fuer Luft- und Raumfahrt, Oberpfaffenhofen (West Germany). Abteilung Extraterrestrische Sensortechnik.

STUDY FOR A GEOSCIENTIFIC AIRCRAFT MEASUREMENT PROGRAM [STUDIE FUER EIN ERDWISSENSCHAFTLICHES FLUGZEUG-MESSPROGRAMM]
A. Rossbach and M. Schroeder Feb. 1973 125 p In

Avail: NTIS HC \$9.25

GERMAN

A German program for geoscientific aircraft measurements, including oceanography, geophysics, water pollution, sediment transport, meteorology, vegetation and ecology, is proposed. The scientific program and the areas to be surveyed are discussed. The choice of remote sensors and the requirements for processing the data measured are considered. The choice of the measuring aircraft and the flight plans are explained. Remote sensing projects in other European countries are discussed briefly, and project management considerations are given.

N74-22890*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.

NASA DIRECTORY OF OBSERVATION STATION LOCATIONS, VOLUME 1

Nov. 1973 258 p refs Prepared by Computer Science Corp., Falls Church, Va.

(NASA-TM-X-69902-VOL-1) Avail: NTIS HC \$16.00 CSCL

Geodetic information for NASA tracking stations and for observation stations cooperating in NASA geodetic satellite programs is presented. A Geodetic Data Sheet is provided for each station, giving the position of the station and describing briefly how it was established. Geodetic positions and geocentric coordinates of these stations are tabulated on local or major geodetic datums and on selected world geodetic systems. The principal tracking facilities used by NASA, including the Spaceflight Tracking and Data Network, the Deep Space Network, and several large radio telescopes are discussed. Positions of these facilities are tabulated on their local or national datums, the Mercury Spheroid 1960, the Modified Mercury Datum 1968, and the Spaceflight Tracking and Data Network System. Observation stations in the NASA Geodetic Satellites Program are included along with stations participating in the National Geodetic Satellite Program. Positions of these facilities are given on local or preferred major datums, and on the Modified Mercury Datum 1968.

Author

N74-22891*# National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.

NASA DIRECTORY OF OBSERVATION STATION LOCA-TIONS, VOLUME 2

Nov. 1973 443 p refs Prepared by Computer Sciences Corp., Falls Church, Va.

(NASA-TM-X-69902-VOL-2) Avail: NTIS HC \$25.25 CSCL 14B

N74-22961*# Martin Marietta Corp., Denver, Colo.
SKYLAB EARTH RESOURCE EXPERIMENT PACKAGE
CRITICAL DESIGN REVIEW

[1973] 136 p Sponsored by NASA (NASA-CR-138380) Avail: NTIS HC \$10.00 CSCL 14B An outline of the conference for reviewing the design of the EREP is presented. Systems design for review include: tape recorder, support equipment, view finder/tracking, support hardware, and control and display panel.

N74-23502# Committee on Science and Astronautics (U.S. House).

NASA AUTHORIZATION, 1975, PART 3

Washington GPO 1974 698 p Hearings on H.R 12689 (superseded by H.R. 13998) before Comm. on Sci. and Astronaut.. 93d Congr., 2d Sess., no. 25, 26-28 Feb. and 5-7, 12-14 and 19 Mar. 1974

(GPO-31-032) Avail: Subcomm. on Space Science and Applications

The hearings concerning the NASA program of applications are reported. Earth Resources Technology Satellites. Skylab. Nimbus. Tiros, and SEASAT are discussed along with pollution monitoring, earth resources surveys, crystal growth, comet Kohoutek, Pioneer Venus programs, and astronomical discoveries.

N74-25836 + Wetenschappelijk en Technisch Documentatieen Informatiecentrum voor de Krijgsmacht. The Hague (Netherlands).

PHOTOGRAMMETRY, REMOTE SENSING, CARTOGRAPHY, MAPPING: A SELECTED BIBLIOGRAPHY ON LITERATURE AVAILABLE AT THE TDCK

Feb. 1973 26 p refs Partly in ENGLISH; partly in FRENCH; partly in GERMAN; and partly in DUTCH Avail: NTIS HC \$4.50

A selective bibliography has been compiled of literature in the fields of photogrammetry, remote sensing, and mapping. The period covered is 1968 to 1972.

N74-25864*# Environmental Research Inst. of Michigan, Ann Arbor.

SKYLAB SUPPORT Progress Report, Mar. 1974

Lester V. Manderschied, Jon D. Erickson, Principal Investigators, and Richard F. Nalepka 10 Apr. 1974 2 p Prepared for Michigan State Univ. EREP (Contract NAS9-13332)

(E74-10548; NASA-CR-138297; ERIM-104600-12-L) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

 $\mbox{N74-25898}\#$ National Environmental Satellite Center, Washington, D.C.

CATALOG OF OPERATIONAL SATELLITE PRODUCTS
Eugene R. Hoppe and Abraham L. Ruiz Mar. 1974 100 p
refs

(NOAA-TM-NESS-53) 'Avail: NTIS HC \$8.00 CSCL 05B

The catalog is designed to acquaint the user community with the products generated from data acquired by sensors carried on environmental satellites controlled by the National Environmental Satellite Service. A brief description of the system is given; more detailed information can be found in the literature. The emphasis is on operations. A product is defined as any item routinely produced for applications within the environmental services. These range from the basic photographic image through a variety of manually produced and computer produced interpretative products. These products take the form of facsimile transmissions, photographic images, alphanumeric messages, and digital magnetic tapes.

N74-26406# Committee on Science and Astronautics (U. S. House).

ANNUAL REPORT ON THE NATION'S PROGRESS IN AERONAUTICS AND SPACE ACTIVITIES, 1973 Message from the President of the United States, Apr. 1974
Washington GPO 1974 136 p Presented to Comm. on Sci.

and Astronaut., 93d Congr., 2d Sess., 8 Apr. 1974 (H-Doc-93-283; GPO-31-543) Avail: US Capitol, House

Document Room

Activities in the space and aeronautic programs are summarized for 1973. Programs discussed include: technology application, research and development, international cooperation, air traffic control, environmental protection, and earth resources FOS. management.

N74-26875*# Nebraska Univ., Lincoln. APPLICATIONS OF REMOTE SENSING IN RESOURCE . MANAGEMENT IN NEBRASKA Semiannual Progress Report, Jan. - Jun. 1974

James V. Drew Jun. 1974 28 p refs (Grant NGL-28-004-020)

(NASA-CR-138602) Avail: NTIS HC \$4.50 CSCL 08F

The project is reported for studying the application of remote sensing in land use classification and delineation of major tectonic lineaments in Nebraska. Other research reported include the use of aircraft and ERTS-1 satellite imagery in detecting and estimating the acreage of irrigated land, and the application of remote sensing in estimating evapotranspiration in the Platte River Basin. F.O.S.

N74-26932# Reading Univ. (England). Dept. of Geography. PRELIMINARY RESULTS FROM SKYLARK EARTH RE-SOURCES ROCKET EXPERIMENT IN ARGENTINA

D. D. Clark (Dept. of Trade and Ind.), J. R. Hardy, A. J. Parsons, R. B. Ridgway, R. A. G. Savigear, and J. R. G. Townshend Jul. 1973 8 p Submitted for publication (Contract AT/2035/015)

(UR-RSP-5; S/AI/73) Avail: NTIS HC \$4.00

Preliminary results are presented from photographs of an area in Argentina taken by means of cameras carried aloft Skylark rockets. The purpose was to obtain an inventory of crops and land use and to carry out a resources survey of the central region of Argentina. The interpretation of land use, cultural Author (ESRO) features, and natural resources is discussed.

N74-26933# Reading Univ. (England). Dept. of Geography. A REPORT ON CURRENT ACTIVITIES AND FACILITIES Dept. of Geography. IN THE FIELD OF REMOTE SENSING OF EARTH RE-SOURCES

J. R. Hardy, comp. Jan. 1974 11 p (UR-RSR-3; S/AI/27E) Avail: NTIS HC \$4.00

Present investigations include an evaluation of photography obtained from Skylark rockets, comparison of ERTS-1 and Skylark imagery, and mapping of landforms. Future projects cover geomorphological research, soil erosion, and transport possibilities. The facilities and equipment available and planned are sum-Author (ESRO) marized.

N74-27787*# North Carolina State Univ., Raleigh. Geosciences

UTILIZATION OF EREP DATA IN GEOLOGICAL EVALUA-TION, REGIONAL PLANNING, FOREST MANAGEMENT, AND WATER MANAGEMENT IN NORTH CAROLINA Quarterly Progress Report, Mar. - May 1974

Charles W. Welby, Principal Investigator 14 Jun. 1974 5 p

(Contract NAS9-13321)

(E74-10611; NASA-CR-138720) Avail: NTIS HC \$4.00 CSCL

There are no author-identified significant results in this report.

N74-27791*# Alaska Univ., Fairbanks. Dept. of Geology. ERTS-A DATA AS A TEACHING AND RESEARCH TOOL IN THE DEPARTMENT OF GEOLOGY Final Report, Jul. 1972 - Mar. 1974

Donald Grybeck, Principal Investigator 11 Mar. 1974 20 p

(Contract NAS5-21833)

(E74-10617; NASA-CR-138726) Avail: NTIS HC \$4.00 CSCL 08G

The author has identified the following significant results. The project was an attempt to integrate ERTS-1 data into teaching introductory, specialized, and graduate courses in the Department of Geology. University of Alaska. This data was to be utilized principally through a specially selected, high quality collection of black and white, and color 9.5 mosaics of the State of Alaska. In completing these tasks, the data accumulated has proved highly useful in a variety of ways including: (1) discussions of the uses and availability of ERTS imagery; (2) as a medium for talking about and showing various areas of Alaska: (3) in discussing geology in general; and (4) as an aid in doing research and as possible research topics themselves. Use of ERTS-1 imagery in geology proved highly successful and its use is now an integral part of many courses.

N74-27806*# Cornell Univ., Ithaca, N.Y. CORNELL UNIVERSITY REMOTE SENSING PROGRAM Semiannual Status Report, 1 Dec. 1973 - 31 May 1974 Ta Liang, Donald J. Beicher, and Arthur J. McNair Jun. 1974 115 p refs

(Contract NGL-33-010-171)

(NASA-CR-138749) Avail: NTIS HC \$8.75 CSCL 05B

The major activities of the program staff from December 1, 1973 to May 31, 1974 are reported and include: (1) communication and instruction; (2) data and facilities; (3) research completed; (4) research in progress; (5) selected correspondence; (6) grant sponsored travel; and (7) seminars and newsletters. Detailed information and maps are given for the following selected projects: (1) ERTS mapping of waterways in the Tug Hill region of New York State; (2) photo-archeological investigation of Great Gully, New York; and (3) evaluation of selected highway impacts A.A.D. using aerial photography.

N74-27849# Earth Satellite Corp., Washington, D.C. THE ERS SATELLITE COST BENEFIT STUDY Progress Report, Aug. - Oct. 1973

16 Nov. 1973 42 p refs (Contract DI-14-08-0001-13519)

(PB-226777/1; USGS-DO-74-001; QPR-3) Avail: NTIS HC \$4.25 CSCL 08F

A study on agricultural crop acreage estimation was completed. Others on water resources: streamflow forecasting with improved snow area measurement: rangeland management; and land use planning and environmental management are in progress. Case study candidates are being evaluated in areas of: forest inventory and monitoring: expansion of agricultural production; marine resource management; environmental monitoring; and disaster monitoring and control.

N74-27870*# Techtran Corp., Glen Burnie, Md.
APPLICATION OF SPACE TECHNIQUES TO NATURAL RESOURCES STUDY AND ENVIRONMENTAL MONITOR-ING: AN AIRCRAFT EXPERIMENT

Yu. K. Khodarev, G. A. Avanesov, B. S. Dunayev, Ya. L. Ziman, and Yu. M. Chesnokov Washington NASA Jun. 1974 10 p refs Transl. into ENGLISH from Meteorol. Gidrol. (USSR), no. 4, Apr. 1974 p 25-29

(Contract NASw-2485)

(NASA-TT-F-15683) Avail: NTIS HC \$4.00 CSCL 14B

Aircraft and space research designed to better identify ground objects from aerial photographic and spectral acquisition is Author described.

N74-28343*# National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.

EARTH OBSERVATORY SATELLITE (EOS) DEFINITION , PHASE REPORT, VOLUME 1

Aug. 1971 374 p refs

(NASA-TM-X-69910; X-401-72-332-Vol-1) Avail: NTIS HC \$21.75 CSCL 22B

System definition studies were conducted of the Earth Observatory Satellite (EOS). The studies show that the concept of an Earth Observatory Satellite in a near-earth, sun-synchronous orbit would make a unique contribution to the goals of a coordinated program for acquisition of data for environmental research with applications to earth resource inventory and management. The technical details for the proposed development of sensors, spacecraft, and a ground data processing system are presented. Author

N74-28800* National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE: CUMULA-TIVE US STANDARD CATALOG, 23 JULY 1972 - 23 JULY 1973. VOLUME 1: OBSERVATION ID LISTING 23 Jul. 1973 421 p 2 Vol. (NASA-TM-X-70127) HC \$24.25 CSCL 05B

Observation identification and coordinate listing are given for ERTS 1 images collected over the continental United States, Alabama, and Hawaii from July 23, 1972 to July 23, 1973. Data format includes the following: (1) the date of catalog listing: (2) the time frame during which the imagery was processed; (3) an assigned observation number; (4) microfilm role and image position on roll: (5) date of observation; (6) longitude and latitude in degrees and minutes at observation center; (7) estimated percent of cloud cover; (8) orbit number; (9) sun elevation and azimuth at observation center; and (10) image quality for both the return beam vidicon and the multispectral band scanner. Availability information for microfilm copies of ERTS imagery is included. A.A.D.

N74-28801* National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE: CUMULA-TIVE US STANDARD CATALOG, 23 JULY 1972 - 23 JULY 1973. VOLUME 2: COORDINATE LISTING 23 Jul. 1973 430 p 2 Vol. (NASA-TM-X-70128) Avail: NTIS HC \$24.50; EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

N74-28802* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE. CUMULA-TIVE NON-US STANDARD CATALOG, 23 JULY 1972 -23 JULY 1973. VOLUME 1: OBSERVATION ID 23 Jul. 1973 502 p

(NASA-TM-X-70134) Avail: NTIS HC \$28.25; EROS Data Center, Sioux Falls, S. D., 57198 HC \$1.25 CSCL 05B

A catalog cantaining data pertaining to the imagery acquired by the Earth Resources Technology Satellite (ERTS) from its date of launch, July 23, 1972 through the first year of activity is presented. The catalog supersedes the previous catalog which supplied data available through May 1973. Two listings of the imagery are included: (1) an observation identifications listing and (2) a listing of the imagery based on geographical location. the coordinate listing.

N74-28803* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE. CUMULA-TIVE NON-US STANDARD CATALOG, 23 JULY 1972 -23 JULY 1973. VOLUME 2: OSERVATION ID 23 Jul. 1973 501 p (NASA-TM-X-70133) Avail: NTIS HC \$28.25; EROS Data

Center, Sioux Falls, S. D. 57198 HC \$1.25 CSCL 05B

N74-28804* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE. CUMULA-

TIVE NON-US STANDARD CATALOG, 23 JULY 1972 -23 JULY 1973. VOLUME 3: COORDINATE LISTING, REVISION

23 Jul. 1973 516 p

(NASA-TM-X-70132) Avail: NTIS HC \$29.00; EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 058

N74-28805* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE. CUMULA-

TIVE NON-US STANDARD CATALOG, 23 JULY 1972 -23 JULY 1973. VOLUME 4: COORDINATE LISTING, REVISION

23 Jul. 1973 515 p

(NASA-TM-X-70136) Avail: NTIS HC \$28.75; EROS Data Center, Sioux Falls, S.D. 57198 HC \$1.25 CSCL 05B

N74-28806* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US STANDARD CATALOG NO. N-14

31 Oct. 1973 84 p

(NASA-TM-X-70123) Avail: NTIS HC \$7.25; EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

N74-28807* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE: US STANDARD CATALOG NO. U-18 28 Feb. 1974 81 p

(NASA-TM-X-70126) Avail: NTIS HC \$7.25; EROS Data Center. Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

N74-28809*# Ohio Dept. of Economic and Community Development, Columbus.

RELEVANCE OF ERTS TO THE STATE OF OHIO Progress Report, Mar. - Apr. 1974

David C. Sweet, Principal Investigator Apr. 1974 23 p refs Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contract NAS5-21782)

(E74-10553; NASA-CR-138443) Avail: NTIS HC \$4.25 CSCL

There are no author-identified significant results in this

N74-28849*# California Univ., Berkeley. Space Sciences Lab.

AN INTEGRATED STUDY OF EARTH RESOURCES IN THE STATE OF CALIFORNIA USING REMOTE SENSING TECHNIQUES Annual Progress Report

Robert N. Colwell, Robert H. Burgy, Vidal R. Algazi, William C. Draeger, John E. Estes, and Leonard W. Bowden, Principal Investigators 1 May 1974 398 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS and EREP

(Grant NGL-05-003-404)

(E74-10621; NASA-CR-138731) Avail: NTIS HC \$23.00 CSCL

The author has identified the following significant results. The supply, demand, and impact relationships of California's water resources as exemplified by the Feather River project and other aspects of the California Water Plan are discussed.

N74-28856* California Univ., Berkeley. Dept. of Business Administration.

ON THE FEASIBILITY OF BENEFIT-COST ANALYSIS APPLIED TO REMOTE SENSING PROJECTS Special Study No. 3

Robert N. Colwell, Principal Investigator and Leonard Merewitz In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 7 p refs ERTS
CSCL 08H

There are no author-identified significant results in this report.

N74-28857* California Univ., Berkeley.

ACTIVITIES OF THE SOCIAL SCIENCES GROUP, BERKELEY CAMPUS Special Study No. 4

Robert N. Colwell, Principal Investigator and Ida Hoos In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 74 p refs ERTS

CSCL 08H

There are no author-identified significant results in this report.

N74-28860* California Univ., Berkeley.

Robert N. Colwell, Principal Investigator In its An Integrated Study of Earth Resources in the State of Calif. Using Remote Sensing Tech. 1 May 1974 20 p ERTS

CSCL 08H

There are no author-identified significant results in this report.

N74-28862* National Aeronautics and Space Administration. John F. Kennedy Space Center, Cocoa Beach, Fla.

PLANNING APPLICATIONS IN EAST CENTRAL FLORIDA Quarterly Progress Report, 1 Feb. - 30 Apr. 1974

John W. Hannah, Garland L. Thomas, and Fernando Esparza, Principal Investigators 30 Apr. 1974 17 p refs Prepared in cooperation with Brevard County Planning Dept., Titusville, Fla. Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP

(NASA Order CC-30281-A)

(E74-10623; NASA-TM-X-70206) Avail: NTIS HC \$4.00 CSCL 08B

There are no author-identified significant results in this report.

N74-28863*# Wyoming Univ., Laramie. Remote Sensing

MULTIDISCIPLINARY STUDY OF WYOMING TEST SITES Progress Report, Oct. 1973 - Mar. 1974

Robert S. Houston, Principal Investigator, Ronald W. Marrs, S. S. Agard, K. G. Downing, J. L. Earle, N. L. Froman, R. Gordon, K. E. Kolm, B. Tomes, and J. Vietti Apr. 1974 37 p refs Original contains color imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 EREP

(Contract NAS9-13298)

(E74-10624; NASA-CR-138734; EREP-1-74A; PR-3) Avail: NTIS HC \$5.00 CSCL 088

The author has identified the following significant results. Investigation of a variety of applications of EREP photographic data demonstrated that EREP S-190 data offer a unique

combination of synoptic coverage and image detail. The broad coverage is ideal for regional geologic mapping and tectonic analysis while the detail is adequate for mapping of crops, mines, urban areas, and other relatively small features. The investigative team at the University of Wyoming has applied the EREP S-190 data to: (1) analysis of photolinear elements of the Powder River Basin, southern Montana, and the Wind River Mountains; (2) drainage analysis of the Powder River Basin and Beartooth Mountains; (3) lithologic and geologic mapping in the Powder River Basin, Black Hills, Green River Basin, Bighorn Basin and Southern Bighorn Mountains; (4) location of possible mineralization in the Absaroka Range; and (5) land use mapping near Riverton and Gillette. All of these applications were successful to some degree. Image enhancement procedures were useful in some efforts requiring distinction of small objects or subtle contrasts.

N74-28867*# National Research Council, Bangkok (Thailand).
THAILAND NATIONAL PROGRAMME OF THE EARTH
RESOURCES TECHNOLOGY SATELLITE Final Report, Nov.
1972 - Mar. 1974

Pradisth Cheosakul, Principal Investigator and Sanga Sabhasri May 1974 59 p ref Sponsored by NASA Original contains color illustrations. Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(E74-10631; NASA-CR-138741) Avail: NTIS HC \$6.00 CSCL 05B

The author has identified the following significant results. Intensive interpretation of ERTS-1 scenes covering agricultural regions near Bangkok, backed up by ground surveys and low altitude reconnaissance flights, has established that the major agricultural crops of Thailand can be positively differentiated, and in most cases identified, after some experience has been gained, by examination of ERTS-1 imagery. A country-wide survey of remaining forest cover will be completed during 1974. MSS band 5 and band 7 and white positive transparencies were found to be the most desirable medium for identification of geological structure. The Royal Irrigation Department conducted a pilot study to examine the possibility of determining water reservoir capacity from surface area measurements derived from ERTS-1 images.

N74-28875*# Ohio Dept. of Economic and Community Development, Columbus.

RELEVANCE OF ERTS-1 TO THE STATE OF OHIO Semiannual Progress Report, Jan. - Jun. 1974

David C. Sweet, Paul G. Pincura, and George E. Wukelic, Principal Investigators 5 Jul. 1974 21 p refs Prepared in cooperation with Battelle Columbus Labs., Ohio Original contains imagery. Original photography may be purchased from the EROS Data Center, 10th and Dakota Avenue, Sioux Falls, S. D. 57198 ERTS

(Contracts NAS5-21782; BCL-72-17/G-1793) (E74-10641; NASA-CR-138823; SAPR-4) Avail: NTIS HC \$4.25 CSCL 08B

The author has identified the following significant results. During the first year of project effort the ability of ERTS-1 imagery to be used for mapping and inventorying strip-mined areas in southeastern Ohio, the potential of using ERTS-1 imagery in water quality and coastal zone management in the Lake Erie region, and the extent that ERTS-1 imagery could contribute to localized (metropolitan/urban), multicounty, and overall state land use needs were experimentally demonstrated and reported as significant project results.

N74-28899*# National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US

EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US STANDARD CATALOG NO. N-13

30 Sep. 1973 82 p

(NASA-TM-X-70122) Avail: NTIS HC \$7.25; EROS Data

Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

To provide dissemination of information regarding the availability of Earth Resources Technology Satellite (ERTS) imagery, a Non-U.S. Standard Catalog is published on a monthly schedule. The catalogs identify imagery which has been processed and input to the data files during the preceding month. The Non-U.S. Standard Catalog includes imagery covering all areas except that of the United States, Hawaii, and Alaska. Imagery adjacent to the Continental U.S. and Alaska borders will normally appear in the U.S. Standard Catalog. As a supplement to these catalogs, an inventory of ERTS imagery on 16 millimeter microfilm is available. The catalogs consist of four parts: (1) annotated maps which graphically depict the geographic areas covered by the imagery listed in the current catalog. (2) a computer-generated listing organized by observation identification number (ID) with pertinent information for each image, (3) a computer listing of observations organized by longitude and latitude, and (4) observations which have had changes made in their catalog information since the original entry in the data base. Author

N74-28900* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US STANDARD CATALOG NO. N-15, SUPPLEMENT 30 Nov. 1973 150 p
(NASA-TM-X-70124) Avail: NTIS HC \$10.50; EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

N74-28901* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US STANDARD CATALOG NO. N-16
31 Dec. 1973 84 p
(NASA-TM-X-70125) Avail: NTIS HC \$7.25; EROS Data Center, Sioux Falls, S.D.. 57198 HC \$1.25 CSCL 058

N74-28902* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US STANDARD CATALOG NO. N-17
31 Jan. 1974 95 p
(NASA-TM-X-70121) Avail: NTIS HC \$7.75; EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25, CSCL 058

N74-28903*+ National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US STANDARD CATALOG NO. N-18
28 Feb. 1974 118 p
(NASA-TM-X-70107) Avail: NTIS HC \$9.00; EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

N74-28904* + National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US
STANDARD CATALOG NO. N-19
31 Mar. 1974 45 p
(NASA-TM-X-70108) Avail: NTIS HC \$5.25; EROS Data Center,
Sioux Falls, S.D., 57198 HC \$1.25 CSCL 058

N74-28905* + National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: NON-US
STANDARD CATALOG NO. N-20
30 Apr. 1974 135 p
(NASA-TM-X-70129) Avail: NTIS HC \$9.75; EROS Data Center,
Sioux Falls, S.D., 57198 HC \$1.25 CSCL 058

N74-28906* National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md. EARTH RESOURCES TECHNOLOGY SATELLITE: US STANDARD CATALOG NO. U-12
31 Aug. 1973 70 p

31 Aug. 1973 70 p (NASA-TM-X-70109) Avail: NTIS HC \$6.50: EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

To provide dissemination of information regarding the availability of Earth Resources Technology Satellite (ERTS) imagery, a U.S. Standard Catalog is published on a monthly schedule. The catalogs identify imagery which has been processed and input to the data files during the preceding month. The U.S. Standard Catalog includes imagery covering the Continental United States, Alaska, and Hawaii. As a supplement to these catalogs, an inventory of ERTS imagery on 16 millimeter microfilm is available. The catalogs consist of four parts: (1) annotated maps which graphically depict the geographic areas covered by the imagery listed in the current catalog. (2) a computer-generated listing organized by observation identification number (D) with pertinent information on each image, (3) a computer listing of observations organized by longitude and latitude, and (4) observations which have had changes made in their catalog information since the original entry in the data base.

N74-28907* + National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: US
STANDARD CATALOG NO. U-13
30 Sep. 1973 69 p
(NASA-TM-X-70111) Avail: NTIS HC \$6.50; EROS Data Center,
Sioux Falls, S.D., 57198 HC \$1.25 CSCL 058

N74-28908*# National Aeronautics and Space Administration.
Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: US
STANDARD CATALOG NO. U-15
30 Nov. 1973 112 p
(NASA-TM-X-70110) Avail: NTIS HC \$8.75; EROS Data Center,
Sioux Falls, S.D., 57198 HC \$1.25 CSCL 05B

N74-28909*# National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: US STANDARD CATALOG NO. U-17
31 Jan. 1974 60 p
(NASA-TM-X-70112) Avail: NTIS HC \$6.00; EROS Data Center, Sioux Falls, S.D., 57198 HC \$1.25 CSCL 058

N74-28910* + National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, Md.
EARTH RESOURCES TECHNOLOGY SATELLITE: US STANDARD CATALOG NO. U-19
31 Mar. 1973 43 p
(NASA-TM-X-70120) Avail: NTIS HC \$5.25; EROS Data Center, Sioux Falls S.D., 57198 HC \$1.25 CSCL 05B

N74-29338* National Aeronautics and Space Administration, Washington, D.C.
SPACE AND MAN'S ENVIRONMENT

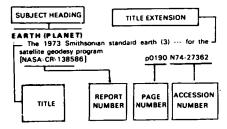
James C. Fletcher 1973 16 p Presented at Natl. Wildlife Federation Spec. Sess., Washington, D. C., 17 Mar. 1973 (NASA-TM-X-70138) Avail: NASA Office of Public Affairs, Washington, D. C. 20546 CSCL 03C

The text of a prepared statement is presented which describes the role and advantages provided by the space program in environmental affairs. Topics covered include marine life studies of the Chesapeake Bay oyster, blue crab, and California gray whale. Water and land resources management, global weather forecasting, and wildlife radiolocation are also discussed. The role of ERTS 1 imagery is emphasized and examples of its

09 GENERAL

applications are given which include chlorophyll content water mapping, oil slick and sewage outfall detection, watershed management, water resource monitoring of drainage patterns and sediment streaming, geological and mineral surveys, and crop identification and blight detection. The wildlife refuge at the Kennedy Space Center in Florida is described as another NASA initiated program in ecological wise management.

Typical Subject Index Listing



The subject heading is a key to the subject content of the document. The title is used to provide a description of the subject matter. When the title is insufficiently descriptive of the document content, the title extension is added, separated from the title by three hyphens. The (NASA or AIAA) accession number and the page number are included in each entry to assist the user in locating the abstract in the abstract section (of this supplement). If applicable, a report number is also included as an aid in identifying the document. Under any one subject heading, the accession numbers are arranged in sequence with the AIAA accession numbers appearing first.

ABSORPTION SPECTRA

Analysis of laser differential absorption using diffuse reflection from the earth p0178 A74-29714 ABSORPTION SPECTROSCOPY

Remote atmospheric sensing with an airborne laser p0221 A74-37476 absorption spectrometer

ABUNDANCE

Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702

AERIÁL PHOTOGRAPHY

A critique - Applications of non-satellite of the earth's resources p0: p0219 A74-29001 Detection of water pollution sources p0178 A74-29708 Progress report - Detection of dissolved oxygen in water trough remote sensing techniques p0179 A74-29720

through remote sensing techniques Coast Guard Airborne Remote Sensing System --- for coastal water pollution monitoring p0179 A74-29723

Comparison of four independent soil surveys by air-photo interpretation, Paphos area /Cyprus/ p0167 A74-30530 A comparison of black-and-white, color and infrared photographs for geological interpretation at Witvlei, Se

p0211 A74-30793 Estimating population from photographically determined residential land use types p0179 A74-30794 p0179 A74-30794

sensing of the Upper Limnological studies and remote sediment plume Truckee p0205 A74-30796 California-Nevada

Toward a methodical study of the environment ... asizing remote sensing of earth resources in Brazil p0180 A74-31000

Experiments in complex interpretation of aerial notographs pO187 A74-32475 photographs h-altitude color-IR p0167 A74-33069 Forest insect damage from high

with aerial photos p0180 A74-33071 Detecting and monitoring oil slicks

Comparison of geological information obtained from satellite and aerial photographs and from ground investigations in the Tibesti Mountains /Chad/ p0193 A74-35499

Analytic rectification for the compilation of topographic maps and photomaps in a given project

p0187 A74-36382

Remote sensing program [NASA-CR-138135]

p0226 N74-22026

The use of high attitude aerial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] p0169 N74-22032

Correlation of remote sensing imagery of the coast of ithern and Baja California with terrain p0213 N74-22085 [AD-773598] remote sensors to army facility Application of

management [AD-775407] nO182 N74-22621

An analysis of the benefits and costs of an improved crop acreage forecasting system utilizing earth resources nellite or aircraft information p0169 N74-22770

Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones

n0206 N74-22944 ing as an aid for marsh management

[NASA-CR-138256] p0182 N74-22976 Aerial analytical triangulation --- cost analysis of aerial photography for mapping applications [PB-227276/3] p0189 N74-23032

Complex of programs for computing co-ordinates of

photographic points on electronic computers using results of radiogeodesic measurements pO190 N74-25905 [AD-776104] Monitoring forest land from high altitude and from

pQ172 N74-26868 [NASA-CR-138624] Remote sensing as an aid to route evaluation for relocated Louisiana Highway 1 [NASA-CR-138770] p0183 N74-26910

Sediment transport and erosion in the Fourchon area of Lafourche parish --- south Louisiana

[NASA-CR-138776] p0208 N74-26911 Remote sensing as an aid for marsh management: Lafouche parish, Louisiana --- aerial photography of

p0208 N74-26912 [NASA-CR-138775]

Arial detection of spill sources [PB-228105/3]

p0184 N74-26940 Remote sensing in sampling site location in lakes and

s --- water quality in Tennessee n0208 N74-26941 [PB-227846/3] Key to coding of imagery and ground truth of the

nian Skylarks (1181 and 1182) p0216 N74-26956 NR-RSR-21

Remote sensing as an aid to route evaluation for relocated Louisiana Highway 1 p0184 N74-27805 [NASA-CR-138748]

Application of space techniques to natural resources study monitoring: An aircraft experiment p0228 N74-27870 and environmental n [NASA-TT-F-15683]

Crop identification and acreage measurement utilizing ERTS imagery --- Kansas and South Dakota

p0174 N74-28830 Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric

imagery [AD-778790] p0191 N74-28924

AERIAL RECONNAISSANCE

Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901

AEROSOLS

Remote-sensing the stratospheric as p0178 A74-29719 monitoring of vertical concentration Determination of aerosol parameters of the atmosphere p0219 A74-33306 laser sounding from space

Quantitative determination of stratospheric aerosol characteristics [E74-10438] DO212 N74-21963

Determination of aeros ol content in the atmosphere from ERTS-1 data --- San Diego, California and Salto p0212 N74-21977 [E74-10452]

Determination of the earth's aerosol albedo using Skylab ata --- Lake Michigan Œ74-10478] p0213 N74-22002

Quantitative determination of stratospheric aerosol

[E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics

E74-106071 Investigation of atmospheric effects in image transfer p0217 N74-28858

nO224 N74-28840

AEROSPACE ENGINEERING

Skylab systems flight perform p0225 A74-29031

Utilization of space technology for terrestrial solar po p0226 A74-36226 applications

Annual report on the nation's progress in aeronautics and space activities, 1973 [H-DOC-93-283] p0227 N74-26406

AEROSPACE ENVIRONMENTS
Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592

AGRICULTURE

Remote sensing of biosphere from space satellite observation of earth resources

p0167 A74-29004 Machine processing methods for earth observational p0211 A74-29025

p0187 A74-32475 photographs

Investigation of Skylab data

[E74-10477] pQ168 N74-22001

Agricultural interpretation technique development --- crop tification in Fresno County, California

p0168 N74-22015 [E74-10491] Optical modeling of agricultural fields and rough-textured rock and mineral surfaces

[NASA-CR-134243] o0169 N74-22046 Skylab S192 data evaluation: Comparisons with ERTS-1

osynab of size eater evaluation. Comparisons with ERTS-1 results -- classification results using ERTS-1 and Skylab MSS data over Holt County, Nebraska agricultural area [E74-10506] p0170 N74-22953 [E74-10506] Use of remote sensing in agriculture

[NASA-CR-62098] p0172 N74-26876 The ERS satellite cost benefit study

[PB-226777/1] p0228 N74-27849

A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation --- Colorado u and Northern Great Valley of California

[E74-10586] p0174 N74-28829 Separation of manmade and natural patterns in high altitude imagery of agricultural areas --- digital filtering

n0174 N74-28855 Thailand national programme of the Earth Resources

Technology S [E74-10631]

n0230 N74-28867 A study of the application of Skylab EREP data to agriculture in the Mississippi Delta alluvial plains region [E74-10648] p0175 N74-28881

Research in remote sensing of agriculture, earth ources, and man's environment p0175 N74-28892 [NASA-CR-138885]

Meteorology and Hydrology No. 4, 1974 --- weather and hydrological forecasting services in USSR [JPRS-62306] p0210

p0210 N74-29051

AIR POLLUTION

Air pollution - Remote detection of several polluta with a laser heterodyne radiometer p0177 A74-28550
The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and n0177 A74-29703 n spectroscopy for p0177 A74-29705 Further developments in correlation

Further developments pollution p0177 A/A-2272
Standard methods for analysis and interpretation of Lidar Standard methods for analysis and interpretation of Lidar p0178 A74-29709
p0178 A74-29709 standard method for expressing instrumental p0178 A74-2971

The application of the Correlation Spectrometer to bient air quality and source emissions

p0178 A74-29712 Analysis of laser differential absorption remote sensing using diffuse reflection from the earth p0178 A74-29714 The application of electro-optical techniques to sensing p0178 A74-29715 stationary source pollutants p0178 A74-29715
Variations of meteorology, pollutant emissions, and air

n0178 A74-29717 Jet engine soot emission measured at altitude

p0179 A74-30397 Calibrated remote measurement of NO2 using the

differential-absorption backscatter technique n0179 A74-30685 surement of air pollutants from

rom satellites. I -p0180 A74-31870 Feasibility considerations p0180 A74-31870
Application of infrared line models in the detection of

[AIAA PAPER 74-651] n0180 A74-35906 Statistical interpretation of pollution data from satellites

--- for levels distribution over metropolitan area
[AIAA PAPER 74-852] p0180 A74-37844
Evaluation of a high volume cascade particle impacto p0180 A74-37844 sampling environmental conditions for ollution

BNWL-SA-46771 p0181 N74-21901 AIR QUALITY ALTIMETERS Delimitation of the cultivated and uncultivated areas of Instrument to monitor CH4, CO, and CO2 auto exhaust p0182 N74-22132 Calibration and evaluation of Skylab altimetry for geodetic [PB-226438/0GA] ation of the geoid Lidar studies of stack olumes in rural and urban environments ··· air pollution tests [PB-227347/2] [E74-10447] n0188 N74-21972 p0182 N74-23189 Strategies for estimating the marine geoid from altimeter AIR QUALITY Investigation of environmental indices from the Earth [NASA-TM-X-70637] p0188 N74-22058 Skylark earth resources rockets Resources Technology Satellite --- environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] p0181 N74-21999 p0215 N74-26931 Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid [E74-10533] o0189 N74-25851 [UR-RSP-5] nO228 N74-26932 AIRBORNE EQUIPMENT A joint meteorological, oceanographic and sensor The spectral reflectance of a vegetated surface. II - An aluation program for experiment S193 on Skylab of remote sensing of earth resources p0223 N74-26857 eight-channel-radiometer for measurements of the reflected [UR-RSR-3] radiation field n0220 A74-34636 n0228 N74-26933 Gravimetric geodesy and sea surface topography studies Synthetic interferometer radar for topographic mapping p0187 A74-35133 by means of satellite-to-satellite tracking and satellite A superconducting airbourne mineral detection system Skylarks [NASA-TM-X-70670] p0202 N74-26918 p0215 N74-26955
Key to coding of imagery and ground truth of the Argentinian Skylarks (1181 and 1182)
[UR-RSR-2] p0193 A74-35298 Terrain properties and topography from Skylab Remote atmospheric sensing with an airborne laser p0221 A74-37476 absorption spectrometer [F74-10597] n0190 N74-27783 Remote sensing platforms --- for airborne and spaceborne Design data collection with Skylab/EREP microwave ARID LANDS equipment ent S-193 Remote sensing for monitoring a w project - The California Aqueduct p0223 N74-27825 JUSGS-CIRC-6931 E74-106031 p0223 N74-27786 In situ measurement of particulate number density and Calibration and evaluation of Skylab altimetry for geodetic ARIZONA size distribution from an aircraft [NASA-TM-X-71577] An interdisciplinary analysis of multispectral satellite data p0185 N74-28936 determination of the geoid p0190 N74-27788 [E74-10612] AIRCRAFT INSTRUMENTS Calibration and evaluation of Skylab altimetry for geodetic Jet engine soot emission measured at altitude New Mexico, and Arizona etermination of the geoid p0179 A74-30397 p0212 N74-21964 p0191 N74-28822 [E74-10439] [E74-10579] Application of space-priented equipment in earth Study of time lapse data processing for dynamic hydrologic conditions --- Arizona and Washington Terrain properties and topography from Skylab altimetry
- Lake Michigan, Lake Huron, Iowa, and Texas resources studies and in environmental control - An aircraft p0220 A74-33903 experiment [E74-10552] p0208 N74-26865 p0191 N74-28847 [F74-10619] Scanning multispectrum system in an aircraft experiment earth resources studies p0220 A74-33904 Design data collection with Skylab/EREP microwave in earth resources studies nstrument S-193 ALABAMA [E74-10649] p0224 N74-28882 Application of remote sensing data to coastal fish stock Design data collection with Skylab/EREP p0199 A74-29022 instrument S-193 --- Texas, Minnesota, and Kansas Watershed in Arizona [E74-10582] [E74-10650] 74-10650] p0224 N74-28883 S-193 impulse response cross correlation ··· Oregon. ALASKA p0209 N74-28825 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade Colorado, Montana, Texas, Gulf Coast, and Mexico AMAZON REGION (SOUTH AMERICA)
Determination of second copper deposits in Arizona Washington and Tweedsmuir Glacier, Alaska 74-10608] p0197 N74-28841 Some findings on the applications of ERTS and Skylab [E74-10608] p0206 N74-21994 [E74-10469] Determination of sea surface conditions using Skylab L-band and Radscat passive microwave radiometers ... Preliminary vegetation map of the Espenberg Peninsula imagery for metropolitan land use analysis Alaska, based on an Earth Resources Technology Satellite p0185 N74-28866 [E74-10630] Amazon Basin p0203 N74-28820 [E74-10544] Aerial analytical triangulation --- cost analysis of aerial AMPLIFIER DESIGN map of an area near Fairbanks, Alaska, A vegetation photography for mapping applications [PB-227276/3] Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne n an ERTS image p0189 N74-23032 n0171 N74-25863 [E74-10545] ARTIFICIAL SATELLITES radiometer in the millimeter and centimeter wavelength AMPLITUDE DISTRIBUTION ANALYSIS
Statistical properties of the Applications of remote sensing data to the Alaskan Artificial earth satellites investigate the environment ... satellite-borne photography of pollution sources [NASA-CR-138512] DO201 N74-25884 [NASA-TT-F-15409] Statistical properties of the background noise for the atmospheric windows in the intermediate infrared region p0219 A74-29856 Ground magnetometer survey in the Valley of Ten Earth Observatory Satellite (EOS) definition phase report. ousand Smokes, Alaska volume 1 p0196 N74-26907 [NASA-TM-Y-69910] DO229 N74-28343 ANGULAR RESOLUTION ASYMPTOTIC METHODS ERTS-A data as a teaching and research tool in the Instrumentation techniques for advanced fine-pointing Geophysical subsurface probing with radio-frequen interferometry p0193 A74-364 Department of Geology [E74-10617] mechanisms in a passive seismic environment --- precision p0228 N74-27791 angular deviation measurement [AIAA PAPER 74-872] ATLANTA (GA) Earth Resources Technology Satellite: Cumulative US DO221 A74-37858 standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing ANTARCTIC REGIONS The cartographic application of ERTS/RBV imagery in DO229 N74-28800 --- Antarctica [NASA-TM-X-70127] p0188 N74-21995 Earth Resources Technology Satellite: Cumulative US standard catalog. 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 [E74-10530] Inventory of forest and rangeland and detection of forest Selected translations from Bulletin of the Soviet Antarctic Expedition eorgia test sites p0207 N74-25871 [E74-10558] p0171 N74-25868 APOLLO PROJECT Earth Resources Technology Satellite: US standard Applications of Saturn/Apollo automated data system ATLANTIC OCEAN catalog No. U-18 [NASA-TM-X-70126] capabilities to problems and environmental impacts of urban ERTS-1 views an oil slick p0229 N74-28807 transportation Radar observations of convection in the region of the Evaluation of feasibility of mapping seismically active CR-120216] 0182 N74-23480 faults in Alaska [E74-10574] APPLICATIONS TECHNOLOGY SATELLITES p0197 N74-28818 Gravimetric geodesy and sea surface topography studies Tests of remote skywave measurement of ocean surface The circulation of Prince William Sound by means of satellite-to-satellite tracking and satellite p0203 N74-28819 [E74-10575] conditions Application of ERTS imagery to the study of caribou movements and winter habitat --- Arctic Alaska [E74-10636] altimetry [NASA-TM-X-70670] p0202 N74-26918 **APPROPRIATIONS** racteristics NASA authorization, 1975, part 3 [GPO-31-032] p0201 N74-23020 Earth Resources Technology Satellite: US standard p0227 N74-23502 ATMOSPHERIC ATTENUATION catalog No. U-12 ARCTIC REGIONS p0231 N74-28906 [NASA-TM-X-70109] A multi-sensor analysis of Nimbus 5 data on 22 January 1973 --- meteorological parameters adiometric measurements using the EREP of Skylab Earth Resources Technology Satellite: US standard p0222 N74-25861 [E74-10543] catalog No. U-13 [NASA-TM-X-70111] [NASA-TM-X-70633] n0221 N74-22115 The application of ERTS imagery to monitoring Arctic p0231 N74-28907 sea ice --- mapping ice in Bering Sea, Beaufort Sea, Canadian Archipelago, and Greenland Sea temperature sources [NASA-CR-129028] Earth Resources Technology Satellite: US standard DO222 N74-25878 catalog No. U-15 [NASA-TM-X-70110] [E74-10502] p0200 N74-22951 ATMOSPHERIC CIRCULATION p0231 N74-28908 Investigations performed on the Arctic ice dynamics joint Variations of meteorology, pollutant emissions, and air Earth Resources Technology Satellite: US standard experiment, March 1971 --- Beaufort Sea ice pack catalog No. U-17 [NASA-TM-X-70112] characteristics p0231 N74-28909

[NASA-TM-X-70120] ALGAE

catalog No. U-19

Remote sensing and lake eutrophication

p0205 A74-37045

ALGORITHMS

ERTS image data compression technique evaluation p0216 N74-27794

Earth Resources Technology Satellite: US standard

ALPS MOUNTAINS (EUROPE)

Detecting melting snow and ice by visible and near-infrared measurements from satellites

p0207 N74-25877

DO231 N74-28910

[AD-775381] p0201 N74-23020 Application of ERTS imagery to the study of caribou

movements and winter habitat --- Arctic Alaska [E74-10636] p0175 N74-28870

ARGENTINA First estimation of crop area statistics for the area of

Argentina photographed by Skylark SL 1181, using ground truth data

[UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket SL 1181, using ground survey data and rocket photography JUR-RSP-21 p0172 N74-26929 Argentina photographed by Skylark SL 1181, using rocket

p0172 N74-26930

The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by

Preliminary results from Skylark earth resources rocket

A report on current activities and facilities in the field

Key to location of rocket imagery, aircraft traverses, round truth and available maps for the Argentinian

water transportation p0177 A74-29021

for selected cover types in the Colorado Mountains, using automatic data processing techniques --- Colorado, Utah,

A study to develop improved spacecraft show survey A study to develop improve spatectain slow survey methods using Skylab/ERFP data. Demonstration of the utility of the S190 and S192 data ··· Sierra Nevadas in California, Cascades in Washington and Oregon, Upper Columbia Basin in Idaho and Montana, and Salt-Verde

Mineral exploration potential of ERTS-1 data --- porphyry

n0184 N74.27391

Inventory of forest and rangeland resources, including forest stress --- Black Hills, Manitou, Colorago, and Atlanta,

nO171 N74-25848

stress --- Black Hills, Manitou, Colorado, and Atlanta,

p0180 A74-30799

intertropical convergence zone over the equatorial Atlan p0199 A74-34506

p0199 A74-35125 Investigations performed on the Arctic ice dynamics joint

experiment, March 1971 --- Beaufort Sea ice pack

Experimental evaluation of atmospheric effects on

Atmospheric effects on remote sensing of non-uniform

p0178 A74-29717

ATMOSPHERIC COMPOSITION

Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702

The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and po177 A74-29703

Determination of aerosol parameters of the atmosphere p0219 A74-33306 by laser sounding from space Application of lasers in atmospheric probing p0220 A74-33307

Use of radiometric measurements in the microwave band the earth's upper p0220 A74-36675 investigations of spectral atmosphere

absorption spectrometer

ATMOSPHERIC EFFECTS

Remote atmospheric sensing with an airborne laser

A technique for correcting ERTS data for solar and atmospheric effects --- Michigan test site [E74-10489] p0213 N74-22013

A survey of terrain radar backscatter coefficient measurement programs
[E74-10634] p0224 N74-28868

p0221 A74-37476

p0213 N74-22013

Toward a methodical study of the environment ---

emphasizing remote sensing of earth resources in Brazil p0180 A74-31000

C

[E74-10489] p0213 N74-22013	[JPRS-62019] p0207 N74-25871	C
Infrared, radar, and optical applications of ERTS data	BAND STRUCTURE OF SOLIDS	_
atmospheric effects in Colorado, lake ice surveillance,	Narrow gap semiconductors device technology	
reactional land use, IFYGL (Lake Ontario), water quality	assessment and applications p0220 A74-34770	CALCIUM CARBONATES
monitoring, and oil pollution detection	BEAUFORT SEA (NORTH AMERICA)	Evaluation of ERTS data for certain oceanographic uses
	The application of ERTS imagery to monitoring Arctic	precipitation of calcium carbonate in Lake Michigan,
	sea ice mapping ice in Bering Sea, Beaufort Sea,	Lake Erie, and Lake Ontario
Study of atmospheric effects in Skylab data	Canadian Archipelago, and Greenland Sea	[E74-10546] p0202 N74-26864
multispectral photography of Colorado mountain areas		
[E74-10505] p0213 N74-22025	[E74-10502] p0200 N74-22951	CALIBRATING
Experimental evaluation of atmospheric effects on	Investigations performed on the Arctic ice dynamics joint	Partial performance degradation of a remote sensor in
	experiment, March 1971 Beaufort Sea ice pack	a space environment, and some probable causes
radiometric measurements using the EREP of Skylab	characteristics	p0219 A74-28592
[E74-10543] pO222 N74-25861	[AD-775381] p0201 N74-23020	Calibration and evaluation of Skylab altimetry for geodetic
Atmospheric effects on remote sensing of non-uniform	BERING SEA	
temperature sources		determination of the geoid
[NASA-CR-129028] p0222 N74-25878	The application of ERTS imagery to monitoring Arctic	[E74-10447] p0188 N74-21972
	sea ice mapping ice in Bering Sea, Beaufort Sea,	Calibration and evaluation of Skylab altimetry for geodetic
Investigation of atmospheric effects in image transfer	Canadian Archipelago, and Greenland Sea	determination of the geoid
pO217 N74-28858	[E74-10502] p0200 N74-22951	[E74-10579] p0191 N74-28822
ATMOSPHERIC OPTICS	Satellite imagery and weather for the BESEX area, 15	
Application of lasers in atmospheric probing	February - 10 March 1973	CALIFORNIA
p0220 A74-33307	[NASA-TM-X-70692] p0203 N74-28072	Remote sensing for monitoring a water transportation
	BIBLIOGRAPHIES	project - The California Aqueduct p0177 A74-29021
ATMOSPHERIC RADIATION		Combined spectral and spatial processing of ERTS
Measurement of air pollutants from satellites, I -	Photogrammetry, remote sensing, cartography, mapping:	
Feasibility considerations p0180 A74-31870	A selected bibliography on literature available at the	- · · · · · · · · · · · · · · · · · · ·
Application of infrared line models in the detection of	TDCK p0227 N74-25836	Estimating population from photographically determined
atmospheric pollutants	Radiometric gages: A bibliography	residential land use types p0179 A74-30794
	[TID-3338] p0223 N74-27891	Limnological studies and remote sensing of the Upper
[AIAA PAPER 74-651] p0180 A74-35906	BIGHORN MOUNTAINS (MT-WY)	Truckee River sediment plume in Lake Tahoe,
ATMOSPHERIC SCATTERING	Experiment to evaluate feasibility of utilizing Skylab-EREP	
Remote-sensing the stratospheric aerosols balloon		California-Nevada p0205 A74-30796
monitoring of vertical concentration p0178 A74-29719	remote sensing data for tectonic analysis of the Bighorn	Marking ERTS images with a small mirror reflector
	Mountains region, Wyoming-Montana	p0211 A74-33068
Atmospheric effects on remote sensing of non-uniform	[E74-10455] p0193 N74-21980	Remote sensing and lake eutrophication
temperature sources	BIOLOGY	
[NASA-CR-129028] p0222 N74-25878	Multidisciplinary study of Wyoming test sites	p0205 A74-37045
ATMOSPHERIC TEMPERATURE	hydrology, biology, geology, fithology, geothermal, and land	Evaluation of usefulness of Skylab EREP S-190 and
The ITOS weather satellite in sun-synchronous orbit	use	S-192 imagery in multistage forest surveys Trinity Alps,
for atmospheric temperature monitoring		California
	[E74-10624] p0230 N74-28863	[E74-10446] p0168 N74-21971
p0219 A74-32731	BIRDS	Determination of aerosol content in the atmosphere from
The information content of remote measurements of	Utilization of Skylab (EREP) system for appraising	COTC 1 date Company Content in the atmosphere from
atmospheric temperature by satellite infra-red radiometry	changes in continental migratory bird habitat North	ERTS-1 data San Diego, California and Salton Sea
and optimum radiometer configurations	America	[E74-10452] p0212 N74-21977
p0221 A74-37021		Evaluate ERTS imagery for mapping and detection of
		changes of snowcover on land and on glaciers Cascade
The accuracy of satellite temperature sounding of the	Utilization of Skylab (EREP) system for appraising	Range, Washington and Tweedsmuir Glacier, Alaska
atmosphere	changes in continental migratory bird habitat	[E74-10469] p0206 N74-21994
[NASA-TT-F-15690] p0222 N74-25891	[E74-10557] p0171 N74-26866	
ATMOSPHERIC WINDOWS	Utilization of Skylab (EREP) system for appraising	Study to develop improved spacecraft snow survey
Statistical properties of the background noise for the	changes in continental migratory bird habitat	methods using Skylab/EREP data Cascades, Sierra
atmospheric windows in the intermediate infrared region	[E74-10555] p0172 N74-27769	Nevadas, and Great Plains
p0219 A74-29856	BLACK AND WHITE PHOTOGRAPHY	[E74-10476] p0206 N74-22000
		Remote sensing geophysics from Skylab rock
AUSTRALIA	Investigation of Skylab imagery for application to thematic	discrimination and geothermal heat source detection in
Thermal infrared imagery of The Burning Mountain coal	mapping	Southern California and Nevada
fire p0193 A74-30798	[E74-10496] p0188 N74-22021	
AUTOMATIC CONTROL	Detection of moisture and moisture related phenomena	[E74-10480] p0194 N74-22004
Establishing an automated system for process control	from Skylab infrared photography of Texas/New	Remote sensing geophysics from Skylab spectral
of aerial photogeodesic and cartographic production		reflectance measurements of Southern California
	Mexico	[E74-10481] p0194 N74-22005
p0187 A74-31445	[E74-10471] p0206 N74-22948	Remote sensing geophysics from Skylab Southern
Milwaukee Symposium on Automatic Control,	BLACK HILLS (SD-WY)	California and Nevada
Milwaukee, Wis., March 28-30, 1974, Proceedings	Inventory of forest and rangeland resources, including	
p0212 A74-36109	forest stress Black Hills, Manitou, Colorado, and Atlanta,	[E74-10482] p0194 N74-22006
A digital offset fluxgate magnetometer for use in remote	Georgia	Agricultural interpretation technique development crop
geomagnetic observatories		identification in Fresno County, California
[AD-777885] p0223 N74-27896		[E74-10491] p0168 N74-22015
	Inventory of forest and rangeland and detection of forest	An integrated study of earth resources in the State of
AUTOMOBILE ENGINES	stress Black Hills, Manitou, Colorado, and Atlanta,	California based on Skylab and supporting aircraft data
Instrument to monitor CH4, CO, and CO2 auto exhaust	Georgia test sites	comornio based on skylab and supporting ancian data
[PB-226438/0GA] pO182 N74-22132	[E74-10558] p0171 N74-25868	environmental monitoring, tectonics, ecology, and forest
AVALANCHES	Monitoring forest land from high altitude and from	management in California
The application of space technology to practical problems		[E74-10495] p0226 N74-22018
such as those currently facing the mountain sections of	Space (NASA CR 139624) -0172 N74 20000	Skylab data as an aid to resource management in northern
	[NASA-CR-138624] p0172 N74-26868	California timber identification and forest management
the State of Colorado	BOATS	in northern California p0168 N74-22019
[NASA-CR-138500] p0183 N74-25885	The application of large numbers of pleasure boats to	
An interdisciplinary analysis of multispectral satellite data	collect synoptic sea-truth for ERTS-1 overpasses	Use of Skylab data to assess and monitor change in
for selected cover types in the Colorado Mountains, using	[E74-10591] p0203 N74-28833	the southern California environment; the California desert
automatic data processing techniques interpretation and		program - resource inventory and analysis environmental
mapping snow avalanche hazards and vegetation cover from	BOLIVIA	monitoring, ecology, and tectonics of southern California
multispectral photography	Evaluation of ERTS-1 data applications to geologic	desert areas p0182 N74-22020
	mapping, structural analysis and mineral resource inventory	Evaluation of remote sensing in control of pink bollworm
[E74-10524] pO215 N74-26862	of South America with special emphasis on the Andes	
	Mountain region Bolivia, Chile, and Peru	in cotton Imperial Valley, Coachella Valley, and Palo
<u> </u>		Verde Valley, California
В	[E74-10609] p0197 N74-28842	[E74-10503] p0169 N74-22024
_	BOLLWORMS	Correlation of remote sensing imagery of the coast of
	Evaluation of remote sensing in control of pink bollworm	southern and Baja California with terrain analysis
BACKGROUND NOISE	in cotton Imperial Valley, Coachella Valley, and Palo	[AD-773598] p0213 N74-22085
Statistical properties of the background noise for the	Verde Valley, California	Use of ERTS-A. Skylab, and supporting aircraft to enhance
atmospheric windows in the intermediate infrared region		or Erro m. oxylab, and supporting aircraπ to enhance
p0219 A74-29856	[E74-10503] p0169 N74-22024	resource management
BACKSCATTERING	BOTSWANA	[E74-10498] p0170 N74-22949
	To assess the value of satellite photographs in resource	Crystal motion measurement by means of satellite
The radar backscatter from selected agricultural crops	evaluation on a national scale Botswana	techniques
p0167 A74-28935	[E74-10536] p0189 N74-25854	[NASA-TM-X-70632] p0195 N74-22985
Radar measurement of soil moisture content		Wildland fire management. Volume 2: Wildland fire
p0167 A74-29050	BOUNDARY LAYER FLOW	control 1985-1995 satellite information system for
Sea backscatter at HF - Interpretation and utilization of	Remote sensing of ocean current boundary layer	Colifornia fire ambleme
the echo p0199 A74-35124	[E74-10535] p0201 N74-25853	California fire problems
	BOUNDARY LAYERS	[NASA-CR-138400] p0170 N74-22970
Detection of moisture and moisture related phenomena		Fault tectonics and earthquake hazards in the Peninsular
from Skylab correlation of S-193 radiometer temperature	Remote sensing of ocean current boundary layer Gulf	Ranges, southern California
and backscatter coefficient with soil moisture content	Loop Current	[E74-10528] p0195 N74-25846
[E74-10540] p0171 N74-25858	[E74-10443] p0200 N74-21968	Identification and interpretation of tectonic features from
Radar ground returns. Part 3: Further measurements	Remote sensing of ocean current boundary layer	EDTS 1 images Consist Control of tectonic reatures from
on the radar backscatter of vegetation and soils	Florida Straits	ERTS-1 imagery Coastal Ranges of California
		[E74-10520] p0195 N74-26859
[PHI_1974_05_PT_2] =0174_N74_05004		
[PHL-1974-05-PT-3] p0171 N74-25961 A survey of terrain radar backscatter coefficient	[E74-10633] p0203 N74-27801 BRAZIL	Remote sensing geophysics from Skylab spectral reflectivity and hematite distribution at Twentynine Palms,

BRAZIL

Mendonca's dream of Brazil in space --- space program

implementation

California

[E74-10521]

p0225 A74-29288

BALLOON SOUNDING

Expedition [JPRS-62019]

Remote-sensing the stratospheric aerosols --- balloon monitoring of vertical concentration p0178 A74-29719
Selected translations from Bulletin of the Soviet Antarctic

p0207 N74-25871

p0196 N74-26860

CANADA SUBJECT INDEX

The remote measurement of trace atmospheric species

by correlation interferometry. I - Carbon monoxide and

Earth Resources Technology Satellite: US standard

p0231 N74-28908

catalog No. U-15 [NASA-TM-X-70110]

CARBON MONOXIDE

Remote sensing report, San Francisco Bay Area, April -July 1972. Volume 1

nO184 N74-26942

[PB-227834/9]

Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70112] p0231 N74-28909 p0177 A74-29703 Remote sensing report, San Francisco Bay Area, April methane July 1972, volume 2 --- water pollution mapping Instrument to monitor CH4, CO, and CO2 auto exhaust p0184 N74-26943 [PB-227835/6] [PB-226438/0GA] p0182 N74-22132 p0231 N74-28909 Oil pollution detection, monitoring and law enforcement Earth Resources Technology Satellite: US standard CARIBBEAN SEA
Remote detection of ocean features in the Lesser Antilles catalog No. U-19 [NASA-TM-X-70120] Gulf of Mexico and southern coast of California p0184 N74-27771 [E74-10559] using ERTS-1 data [E74-10602] p0231 N74-28910 Study to develop improved spacecraft snow survey CELESTIAL GEODESY p0203 N74-27785 methods using Skylab/EREP data --- mapping snow cover in Cascades, Sierra Nevada, and Great Plains Mathematical analysis of the results of measurements in the orbital method of satellite geodesy Ocean water color assessment from ERTS-1 RBV and MSS imagery p0208 N74-27773 n0187 A74-36379 [E74-10562] p0204 N74-28884 Geodesy and space --- earth, lunar and planetary surveys pm spacecraft p0187 A74-36384 [F74.10651] Fault tectonics and earthquake hazards in the Peninsular CARIBOUS nges, southern California from spacecraft Application of ERTS imagery to the study of caribou Development of gravimetry and the theory of the figure the earth --- from satellite data p0188 A74-36385 p0196 N74-27776 movements and winter habitat --- Arctic Alask Mapping exposed silicate rock types and exposed ferric p0175 N74-28870 [F74-10636] and ferrous compounds from a space platform --- mapping exposed silicate rocks and exposed iron compounds near CENSUS CASCADE RANGE (CA-OR-WA) Urban and regional land use analysis: CARETS and Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade Multispectral signatures in relation to ground control signature using nested sampling approach --- California [E74-10625] Census Cities experiment package --- Chesapeake Bay, Pisgah Crater, California [E74-10596] Maryland, and District of Columbia [E74-10473] Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-2 p0206 N74-21994 Urban and regional land use analysis: CARETS and ensus Cities experiment package --- Pennsylvania, New Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- Cascades, Sierra Census Cities experiment package --- Pennsylvania, New Jersey, Delaware, Maryland, Virginia, District of Columbia, Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California [E74-10570] Nevadas, and Great Plains [E74-10476] Washington, California [E74-10581] p0197 N74-28814 p0206 N74-22000 CENTRAL ATLANTIC REGIONAL ECOL TEST SITE Urban and regional land use analysis: CARETS and ensus Cities experiment package --- Pennsylvania, New Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- mapping snow cover Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay, Census Cities experiment package ---Jersey, Delaware, Maryland, Virginia, District of Columbia, Washington, California Cascades, Sierra Nevada, and Great Plains p0208 N74-27773 Maryland, and District of Columbia [E74-10473] nO184 N74-28824 A study to develop improved spacecraft show survey methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data ... Sierra Nevadas in California, Cascades in Washington and Oregon, Upper p0181 N74-21997 [E74-10581] Urban and regional land use analysis: CARETS and A study to develop improved spacecraft show survey methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data --- Sierra Nevadas in Census Cities experiment package --- Pennsylvania, New Jersey, Delaware, Maryland, Virginia, District of Columbia, California, Cascades in Washington and Oregon, Upper Columbia Basin in Idaho and Montana, and Salt-Verde Washington, California [E74-10581] Columbia Basin in Idaho and Montana, and Salt-Verde Watershed in Arizona CHAD Watershed in Arizona [E74-10582] p0209 N74-28825 p0209 N74-28825 [E74-10582] Comparison of geological information obtained from Evaluate ERTS imagery for mapping and detection of A comparison of Skylab and ERTS data for agricultural satellite and aerial photographs and from ground investigations in the Tibesti Mountains /Chad/ changes of snowcover on land and on glaciers --- Cascade crop and natural vegetation interpretation --- Colorado Plateau and Northern Great Valley of California p0193 A74-35499 [E74-10606] p0209 N74-28839 [E74-10586] DO174 N74-28829 CHALCOGENIDES CATALOGS Evaluate ERTS imagery for mapping and detection of Narrow gap semiconductors --- de A catalog system for remote-sensing data assessment and applications p0220 A74-34770 changes of snowcover on land and on glaciers --- Cascade p0211 A74-33072 CHEMICAL PROPERTIES **CATALOGS (PUBLICATIONS)** p0209 N74-28839 Monitoring physical and chemical parameters of Delaware [E74-10606] Catalog of operational satellite products
[NOAA-TM-NESS-53] p02 Bay waters with an ERTS-1 data collection platform An integrated study of earth resources in the State of p0227 N74-25898 p0202 N74-27777 California using remote sensing techniques ··· supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing CHESAPEAKE BAY (US) Urban and regional land use analysis. CARETS and Census Cities experiment package --- Chesapeake Bay, Introduction --- California water management and sources p0210 N74-28850 [NASA-TM-X-70127] n0229 N74-28800 Maryland, and District of Columbia resources Earth Resources Technology Satellite: Cumulative US tandard catalog, 23 July 1972 - 23 July 1973. Volume 74-10473] p0181 N74-21997 Cartographic evaluation of Skylab-A S-192 scanner [E74-10473] Water supply studies --- California Feather River p0210 N74-28851 Watershed 2: Coordinate listing [NASA-TM-X-70128] images [E74-10538] Water demand studies in central California --- Kern p0189 N74-25856 p0229 N74-28801 p0210 N74-28852 County, California Earth Resources Technology Satellite. Cumulative non-US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID Use of remote sensing in agriculture Water demand studies in southern California [NASA-CR-62098] p0172 N74-26876 p0210 N74-28853 Post-analysis report on Chesapeake Bay data processing Multispectral combination and display of ERTS-1 data - California p0217 N74-28854 --- spectral analysis and recognition computer signature [NASA-TM-X-70134] p0229 N74-28802 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 2: Oservation ID --- California [NASA-CR-137461] Separation of manmade and natural patterns in high p0215 N74-26899 Monitoring physical and chemical parameters of Delaware Bay waters with an ERTS-1 data collection platform altitude imagery of agricultural areas --- digital filtering Volume 2: Oservation 10 [NASA-TM:X-70133] p0229 N74-28803 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. p0174 N74-28855 [E74-10566] p0202 N74-27777 On the feasibility of benefit-cost analysis applied to p0230 N74-28856 remote sensing projects Evaluation of ERTS-1 data applications to geologic Activities of the Social Sciences Group, Berkeley campus --- social factors affecting California Water Project Volume 3: Coordinate listing, revision mapping, structural analysis and mineral resource inventory of South America with special emphasis on the Andes Mountain region --- Bolivia, Chile, and Peru [E74-10609] [NASA-TM-X-70132] n0229 N74-28804 [NASA-1M-X-70132] p0229 N74-28804 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 4: Coordinate listing, revision [NASA-TM-X-70136] p0229 N74-28805 p0230 N74-28857 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution
--- California p0210 N74-28859 CHIMNEYS Lidar studies of stack plumes in rural and urban environments --- air pollution tests [PB-227347/2] p0182 N74-23189 Earth Resources Technology Satellite: Non-US standard Summary --- impact of remote sensing on management California water resources p0230 N74-28860 catalog No. N-14 [NASA-TM-X-70123] of California water resources. p0229 N74-28806 Current measurements in the Salton Sea using ERTS Earth Resources Technology Satellite: US standard catalog No. U-18 CHLOROPHYLLS multispectral imagery Remote sensing of ocean current boundary layer
[E74-10535] p0201 N74-25853 [E74-10653] p0204 N74-28886 [NASA-TM-X-70126] D0229 N74-28807 Earth Resources Technology Satellite: Non-US standard CHRONOPHOTOGRAPHY CANADA Water Survey of Canada: Application for use of ERTS-A Study of time lapse data processing for dynamic catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 for retransmission of water resources data hydrologic conditions --- Arizona and Wash Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 p0206 N74-22016 p0208 N74-26865 [E74-10552] The application of ERTS imagery to monitoring Arctic sea ice --- mapping ice in Bering Sea, Beaufort Sea, CITIES Variations of meteorology, pollutant emissions, and air Earth Resources Technology Satellite: Non-US standard Canadian Archipelago, and Greenland Sea catalog No. N-16 [NASA-TM-X-70125] [E74-10502] p0200 N74-22951 Planning applications in east central Florida --- Brevard p0231 N74-28901 Retransmission of water resources data using the ERTS-1 County [E74-10448] Earth Resources Technology Satellite: Non-US standard catalog No. N-17
[NASA-TM-X-70121] p0231 N74-28902 data collection system --- Canada [E74-10516] p0181 N74-21973 p0207 N74-25841 Urban and regional land use analysis: CARETS and Detecting melting snow and ice by visible and near-infrared measurements from satellites Census Cities experiment package --- Chesapeake Bay, Earth Resources Technology Satellite: Non-US standard Maryland, and District of Columbia p0207 N74-25877 catalog No. N-18 p0181 N74-21997 [E74-10473] [NASA-TM-X-70107] p0231 N74-28903 A take and sea ice experiment with Skylab microwave Lidar studies of stack plumes in rural and urban Earth Resources Technology Satellite: Non-US standard radiometry --- Lake Ontario and Gulf of St. Lawrence [E74-10616] - air pollution tests catalog No. N-19 [NASA-TM-X-70108] p0231 N74-28904 [PB-227347/2] p0182 N74-23189 The interdependence of lake ice and climate in central Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28905 Urban and regional land use analysis: CARETS and Graus and regional and use analysis: CARCES and Census Cities experiment package -- Pennsylvania, New Jersey, Delaware, Maryland, Virginia, District of Columbia, Washington, California [E74-10581] p0184 N74-28824 --- Canada and United States [E74-10622] p0210 N74-28861 Earth Resources Technology Satellite: US standard catalog No. U-12
[NASA-TM-X-70109] p0231 N74-28906 CANALS Microwave radiometer measurements of the Cape Cod Canal p0199 A74-37395 CITRUS TREES A study of the early detection of insect infestations and density/distribution of host plants --- citrus fruit trees CARBON DIOXIDE Earth Resources Technology Satellite: US standard nonitor CH4, CO, and CO2 auto exhaust p0182 N74-22132 catalog No. U-13 [NASA-TM-X-70111] Instrument to mo [PB-226438/0GA] p0231 N74-28907 [E74-10600] p0174 N74-28835

A study of early detection of insect infestations and An ERTS-1 study of coastal features on the North Carolina An interdisciplinary analysis of multispectral satellite data density/distribution of host plants --- citrus fruit trees in for selected cover types in the Colorado Mountains, using [E74-10513] Rio Grande Valley of Texas-Mexico borde automatic data processing techniques [E74-10601] p0174 N74-28836 Inventories of Delaware's coastal vegetation and land-use [E74-10646] p0217 N74-28879 pu21 / N74-28879 S-193 impulse response cross correlation ··· Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 A study of the early detection of insect infestations and utilizing digital processing of ERTS-1 imagery p0183 N74-25849 density distribution of host plants [E74-10531] Correlation of coastal water turbidity and circulation with [F74-10642] p0175 N74-28876 ERTS-1 and Skylab imagery CLASSIFICATIONS COLORADO PLATEAU (US) p0201 N74-25850 Comparison of some classification techniques [E74-10532] A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation ··· Colorado Plateau and Northern Great Valley of California The circulation of Prince William So p0211 A74-34438 [E74-10575] p0203 N74-28819 Wheat classification exercise, us ing 11 June 1973, ERTS Correlation of coastal water turbidity and circulation with p0174 N74-28829 MSS data for Fayette County, Illinois (for CITARS task) [F74-10586] ERTS-1 and Skylab imagery --- Delaware Bay [E74-10589] p0209 [NASA-CR-134253] p0169 N74-22050 COMBUSTION PRODUCTS p0209 N74-28831 CLIMATOLOGY Inventories of Delaware's coastal vegetation and land-use Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay. p0179 A74-30397 utilizing digital processing of ERTS-1 imagery
[E74-10590] p0185 N74-28832 COMMUNICATION SATELLITES Maryland, and District of Columbia CODING Mendonca's dream of Brazil in space --- space program [E74-10473] p0181 N74-21997 Equipment for space research: Data coding and compression --- Russian book p0221 A74-37509 implementation p0225 A74-29288 The interdependence of lake ice and climate in central Automated strip-mine and reclamation mapping from ERTS COMPUTER GRAPHICS Key to coding of imagery and ground truth of the Argentinian Skylarks (1181 and 1182) North America --- Canada and United States [E74-10622] p0210 N74-28861 Meteorology and Hydrology No. 4, 1974 and hydrological forecasting services in USSR [JPRS-62306] p0210 1974 --- weather [UR-RSR-2] p0216 N74-26956 [F74-10490] p0194 N74-22014 COLLIMATORS COMPUTER PROGRAMS p0210 N74-29051 Instrumentation techniques for advanced fine-pointing Complex of programs for computing co-ordinates of CLOUD COVER mechanisms in a passive seismic environment --- precision photographic points on electronic computers using results angular deviation measu [AIAA PAPER 74-872] Cloud shadow calculation for space survey modeling p0187 A74-33905 the earth surface n0221 A74-37858 nO190 N74-25905 Cloud cover effect during earth surface feature ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-**COLOR PHOTOGRAPHY** identification by visual and photographic o p0215 N74-26713 Forest insect damage from high-altitude color-IR DO187 A74-33906 space p0167 A74-33069 COMPUTER TECHNIQUES The calculation of cloud shadows in modeling of the Post-analysis report on Chesapeake Bay data processing Detection of moisture and moisture related phenomena from Skylab --- infrared photography of Texas/New spectral analysis and recognition computer signature earth's surface from space survey [NASA-TT-F-15685] p0189 N74-25890 Mexico extension Calculating cloud shadows when simulating a space rivey of the earth's surface p0191 N74-29057 [E74-10471] p0206 N74-22948 [NASA-CR-137461] p0215 N74-26899 COMPUTERIZED SIMULATION survey of the earth's surface The interpretation and use of false-colour infrared and Effect of clouds on recognition of the earth's surface true colour photography of part of Argentina obtained by Comparison of some classification technique p0211 A74-34438 during visual observations and photography from space kylark earth resources rockets CONFERENCES p0191 N74-29058 [UR-RSP-4] D0215 N74-26931 Joint Conference on Sensing of Environmental Pollutants and, Washington, D.C., December 10-12, 1973 A multilevel, multispectral data set analysis in the visible **CLOUD PHYSICS** per 10-12, 1973, A cloud physics investigation utilizing Skylab data [E74-10441] p0221 N74-21966 and infrared wavelength regions [E74-10571] Proceedings p0223 N74-28815 ium on the Law of Outer Space, 15th, Vienna, A cloud physics investigation utilizing Skylab data [E74-10567] p0223 N74-2 Austria, October 8-15, 1972, Proceedings D0223 N74-28812 Exploring options for the future: A study of growth in p0225 A74-33598 Boulder county. Volume 3: Environmental constraints and CLOUD SEEDING International Cryogenic Engineering Conference, 5th, Kyoto, Japan, May 7-10, 1974, Preprints. Volumes 1 & 2 Monitor weather conditions for cloud seeding control ---Colorado River Basin p0180 N74-21845 INASA-CR-1381771 p0220 A74-35287 p0205 N74-21993 An interdisciplinary analysis of multispectral satelline data [E74-10468] Milwaukee Symposium on Automatic Control, for selected cover types in the Colorado Mountains. CLUTTER Milwaukee, Wis., March 28-30, 1974, Proceedings utomatic data processing techniques --- Colorado, Utah, Clutter return from vegetated areas --- stochastic model New Mexico, and Arizona Skylab Earth Resource Experiment Package critical design prediction p0167 A74-29046 [E74-10439] COACHELLA VALLEY (CA) review --- conference [NASA-CR-138380] Monitor weather conditions for cloud seeding control ---Evaluation of remote sensing in control of pink bollworm nO227 N74-22961 do River Basin in cotton --- Imperial Valley, Coachella Valley, and Palo Verde Valley, California CONGRESSIONAL REPORTS p0205 N74-21993 NASA authorization, 1975, part 3 [GPO-31-032] [E74-10468] Geologic and mineral and water resources investigations o0227 N74-23502 [E74-10503] n0169 N74-22024 Annual report on the nation's progress in aeronautics and space activities, 1973
[H-DOC-93-283] p0227 N74-26406 n Colorado, using Skylab EREP data COAL Thermal infrared imagery of The Burning Mountain coal p0193 A74-30798 p0194 N74-22011 Infrared, radar, and optical applications of ERTS data -- atmospheric effects in Colorado, lake ice surveillance. CONIFERS Automated strip-mine and reclamation mapping from Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf reactional land use, IFYGL (Lake Ontario), water quality onitoring, and oil pollution detection [E74-10490] p0194 N74-22014 mistletoe [NASA-CR-138806] [E74-10497] 74-10497] p0182 N74-22022 Study of atmospheric effects in Skylab data ---Lidar studies of stack plumes in rural and urban p0173 N74-27804 environments --- air pollution tests [PB-227347/2] CONNECTICUT multispectral photography of Colorado mountain [E74-10505] p0213 N74-2 p0182 N74-23189 Land use in northern Megalopolis --- Connecticut [E74-10583] p0213 N74-22025 Geologic structure analysis using radar imagery of the p0184 N74-28826 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado --- hydrogeology and coal mining area of Buchanan County, Va. CONTINUOUS WAVE RADAR [PR-228689 /8] p0198 N74-28919 Radar measurement of soil moisture content uranium exploration from ERTS-1 MSS photo COASTAL CURRENTS p0167 A74-29050 [E74-10508] p0195 N74-22955 Monitoring coastal water properties circulation with spacecraft pO1 erties and current pO179 A74-29721 CONTROL THEORY New uses of shadow enhancement --- interpretation of Establishing an automated system for process control of aerial photogeodesic and cartographic production p0187 A74-31445 An ERTS-1 study of coastal features on the North Carolina geologic structures from photographic or scanner imagery [E74-10513] p0201 N74-25839 p0214 N74-22956 CONVECTION CURRENTS An evaluation of multiband photography for rock discrimination --- sedimentary rocks of Front Range. COASTAL ECOLOGY Radar observations of convection in the region of the Application of remote sensing data to coastal fish stock intertropical convergence zone over the ed surveys p0199 A74-29022 p0199 A74-34506 Skylab/EREP application to ecological, geological and [E74-10510] p0195 N74-22957 COORDINATES oceanographic investigations of Delaware Bay Inventory of forest and rangeland resources, including forest stress --- Black Hills, Manitou, Colorado, and Atlanta, Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [F74-10437] p0199 N74-21962 Correlation of remote sensing imagery of the coast of southern and Baja California with terrain analysis pQ171 N74-25848 [NASA-TM-X-70128] DO229 N74-28801 p0213 N74-22085 Inventory of forest and rangeland and detection of forest stress --- Black Hills, Manitou, Colorado, and Atlanta, COPPER An ERTS-1 study of coastal features on the North Carolina Mineral exploration potential of ERTS-1 data --- porphyry Georgia test sites copper deposits in Arizona p0201 N74-25839 [£74-10608] p0197 N74-28841 p0171 N74-25868 Inventories of Delaware's coastal vegetation and land-use CORRELATION DETECTION The application of space technology to practical problems digital processing of ERTS-1 imagery The remote measurement of trace atmospheric species such as those currently facing the mountain sections of p0183 N74-25849 | P0183 N74-25849 | Inventories of Delawere's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] | P0185 N74-29922 [E74-10531] by correlation interferometry, I - Carbon monoxide and the State of Colorado [NASA-CR-138500] p0177 A74-29703 pO183 N74-25885 COST ANALYSIS An interdisciplinary analysis of multispectral satellite data An analysis of the benefits and costs of an improved COASTAL PLAINS for selected cover types in the Colorado Mountains, using crop acreage forecasting system utilizing earth reseatellite or aircraft information [P8-227361/3] p0169 N74automatic data processing techniques — interpretation and mapping snow avalanche hazards and vegetation cover from A study of the application of Skylab EREP data to agriculture in the Mississippi Delta alluvial plains region [E74-10648] p0175 N74-28881 p0169 N74-22770 Itispectral photography Aerial analytical triangulation --- cost analysis of aerial COASTAL WATER photography for mapping applications [PB-227276/3] An interdisciplinary analysis of multispectral satellite data Monitoring coastal water properties circulation with spacecraft pO1 o0189 N74-23032 p0179 A74-29721 Investigation of Skylab data [E74-10549] for selected cover types in the Colorado Mountains, using Coast Guard Airborne Remote Sensing System --- for eastal water pollution monitoring p0179 A74-29723 automatic data processing techniques p0215 N74-25865

[E74-10604]

[F74-10613]

coastal water pollution monitoring

[E74-10437]

Skylab/EREP application to ecological, geological and eanographic investigations of Delaware Bay p0199 N74-21962

DO216 N74-28837

p0197 N74-28844

Geologic and mineral and water resources investigations western Colorado, using Skylab EREP data

The ERS satellite cost benefit study

remote sensing projects

On the feasibility of benefit-cost analysis applied to mote sensing projects p0230 N74-28856

p0228 N74-27849

COTTON SUBJECT INDEX

CROSS CORRELATION COTTON Extension of ERIM multispectral data processing S-193 impulse response cross correlation --- Oregon, Colorado, Montana, Texas, Gulf Coest, and Mexico Evaluation of remote sensing in control of pink bothworm in cotton --- Imperial Valley, Coachella Valley, and Palo capabilities through improved data handling techniqu n0214 N74-22609 Recent advancements in information extraction
methodology and hardware for Earth Resources Survey /erde Valley, California [E74-10652] n0191 N74.28885 [E74-10503] p0169 N74-22024 CRYOGENICS CROP GROWTH International Cryogenic Engineering Conference, 5th, Kyoto, Japan, May 7-10, 1974, Preprints. Volumes 1 & 2 p0220 A74-35287 Systems [E74-10515] p0214 N74-25840 An analysis of the benefits and costs of an improved Management of natural resources through automatic crop acreage forecasting system utilizing earth resources aircraft information cartographic inventory CULTIVATION [PB-227361/3] p0169 N74-22770 p0189 N74-25843 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark St. 1181, using rocket ASTEP user's guide and software documentation IASA-CR-134303] p0215 N74-26713 Seasonal canony reflectance patterns of wheat, sorghum NASA-CR-134303]

Developing processing techniques for Skylab data

[E74-10512]

p0215 N74-2 and soybean --- Kansas [CONTRIB-1385] nhotography n0173 N74-27798 UR-RSP-31 pO172 N74-26930 Flexible DCP interface --- environmental sensor and signal p0215 N74-26856 CHMILLUS CLOUDS 74-10512| p0215 N74-26856 Study of time lapse data processing for dynamic dynologic conditions --- Arizona and Washington p0208 N74-26865 Post-analysis report on Chesapeake Bay data processing conditioning interface Cloud shadow calculation for space s nO223 N74-27799 survey modeling of p0187 A74-33905 the earth surface Predicting soil moisture and wheat from ERTS-1 imagery --- Kansas Calculating cloud shadows when simulating a space p0191 N74-29057 [E74.10552] 0173 N74-27800 survey of the earth's surface CROP IDENTIFICATION - spectral analysis and recognition computer signature CYPRUS The radar backscatter from selected as DO167 A74-28935 Comparison of four independent soil surveys by [NASA-CR-137461] p0215 N74-26899 Intermal contouring of forestry data: Wallops Island [NASA-CR-137459] p0172 N74-26804 Developing processing techniques for Skylab data [E74-10563] The Penc Cr. interpretation, Paphos area /Cyprus/ p0167 A74-30530 A critique - Applications of non-satellite rem of the earth's resources p0219 p0219 A74-29001 Seasonal canopy reflectance patterns of wheat, sorghum D nd soybean p0167 A74-30795
Evaluation and comparison of ERTS measurements of 74-10563] p0218 N74-27774
The Penn State ORSER system for processing and major crops and soil associations for selected test sites in the central United States --- Texas, Indiana, Kansas, Iowa, analyzing ERTS and other MSS data [E74-10573] DAMS p0216 N74-28817 .74-10573]
Multispectral combination and display of ERTS-1 data
California p0217 N74-28854 Effects of construction and staged filling of reservoirs Nebraska, and North Dakota on the environment and ecology --- Sangamon River, [E74-10474] nO168 N74-21998 All-Digital precision processing of ERTS images
[E74-10637] p0217 N74-28871 Investigation of Skylab data --- agriculture crop acreage [E74-10458] p0205 N74-21983 Effect of construction and staged filling of reservoirs on p0168 N74-22001 An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using [E74-10477] the environment and ecology --- dam construction on Sangamon River in Illinois

[E74-10610] p0209 N74-28843 Agricultural interpretation technique development --- crop ntification in Fresno County, California automatic data processing techniques p0168 N74-22015 p0217 N74-28879 DATA ACQUISITION DATA RECORDING Crop identification and acreage measurement utilizing ERTS imagery --- Idaho, Kansas, and South Dakota Recent advancements in information extraction methodology and hardware for Earth Resources Survey Synthetic interferometer radar for topographic may p0169 N74-22023 [E74-10500] o0187 A74-35133 Evaluation of remote sensing in control of pink bollworm in cotton --- Imperial Valley, Coachella Valley, and Palo Earth Resources Technology Satellite 1 - Space research po226 A74-35982 Systems E74 105161 n0214 N74-25840 object earth DATA REDUCTION Verde Valley, California Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061 Wheat classification exercise, using 11 June 1973, ERTS
MSS data for Fayette County, Illinois (for CITARS task) Machine processing methods for earth observational p0211 A74-29025 Design data collection with skylab/EREP microwave Investigation of Skylab data --- agriculture crop acreage nt S. 193 [NASA-CR-134253] p0169 N74-22050 p0223 N74-28827 Quality of signatures --- spectral signatures of winter p0168 N74-22001 Design data collection with Skylab/EREP microwave strument S-193 Statistical methods of studying natural objects --stochastic processes in optical data processing
[JPRS-62251] p0216 N74-27814 wheat grown in Texas [NASA-CR-134263] p0169 N74-22053 [F74-10649] n0224 N74-28882 An analysis of the benefits and costs of an improved Design data collection with Skylab/EREP microwave Extracting land use information from the earth resources crop acreage forecasting system utilizing earth resources nt S-193 --- Texas, Minnesota, and Kansa technology satellite data by conventional interpretation satellite or aircraft information p0224 N74-28883 [PB-227361/3] p0169 N74-22770 Skylab S192 data evaluation: Comparisons with ERTS-1 results --- classification results using ERTS-1 and Skylab [E74-10650] DATA COLLECTION PLATFORMS [NASA-TN-D-7730] p0217 N74-28896 Monitor weather conditions for cloud seeding control ---DATA CAMPLING over Holt County, Nebraska agricultural area 61 po170 N74-22953 Colorado River Basin Digital restoration of blurred, array-sampled images [E74-10468] o0205 N74-21993 [E74-10506] n0212 A74-36112 Water Survey of Canada: Application for use of ERTS-A Investigation of Skylab data DATA SYSTEMS Scanning multispectrum system in an aircraft experim in earth resources studies p0220 A74-33 Recent advancements in information extraction [E74-10549] pO215 N74-25865 for retransmission of water resources data First estimation of crop area statistics for the area of [E74-10492] n0206 N74-22016 p0220 A74-33904 Argentina photographed by Skylark SL 1181, using ground Recent advancements in information extraction methodology and hardware for Earth Resources Survey Retransmission of water resources data using the ERTS-1 collection system --- Canada data collection [E74-10518] [UR-RSP-1] n0172 N74-26928 p0207 N74-25841 Systems Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket SL 1181, using ground survey data and Monitoring physical and chemical parameters of Delaware [E74-10515] p0214 N74-25840 Bay waters with an ERTS-1 data collection [E74-10566] p020 ection platform p0202 N74-27777 DATA TRANSMISSION Equipment for space research: Data coding and compression --- Russian book p0221 A74-37509 ERTS-1 data collection systems used to predict wheat disease severities ··· Riley County, Kansas [CONTRI8-1387] p0173 N74-27797 rocket photography nO172 N74-26929 (UR-RSP-2) Water Survey of Canada: Application for use of ERTS-A The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by retransmission of water resources data Flexible DCP interface --- environmental sensor and signal p0206 N74-22016 Skylark earth resources rockets conditioning interface [CONTRIB-1397] DEFORMATION [UR-RSP-4] DO215 N74-26931 nO223 N74-27799 Investigations performed on the Arctic ice dynamics joint Preliminary results from Skylark earth resources rocket Remote sensing platforms --- for airborne and spaceborne eriment in Argentina experiment. March 1971 ··· Beaufort Sea ice pack uipment [UR-RSP-5] p0228 N74-26932 fuses-circ-6931 DO223 N74-27825 Seasonal canopy reflectance patterns of wheat, sorghum [AD-775381] DATA COMPRESSION --- Kansas Equipment for space research: Data coding and propression --- Russian book p0221 A74-37509 [CONTRIB-1385] pO173 N74-27798 Skylab A proposal aerotriangulation with very small scale photography --- Durham, North Carolina to Cape May, New A comparison of Skylab and ERTS data for agricultural ERTS image data compression technique evaluati DO216 N74-27794 crop and natural vegetation interpretation --- Colorado [F74-10627] and Northern Great Valley of DATA CORRELATION [E74-10459] DO221 N74-21984 Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay, Maryland, and District of Columbia p0174 N74-28829 [E74-10586] The development of ground truth for correlation with p0211 A74-34005 otely sensed data Crop identification and acreage n asurement utilizing Correlation of coastal water turbidity and circulation with ERTS imagery --- Kansas and South Dakota p0174 N74-28830 p0181 N74-21997 [E74-10587] ERTS-1 and Skylab imagery --- Delaw vare Bay [E74-10473] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use CROP VIGOR DATA PROCESSING utilizing digital processing of ERTS-1 imagery [E74-10531] p0183 N74-25849 Wheat: Its water use, production and disease detection Machine processing methods for earth observational and prediction --- Kansas p0211 A74-29025 p0173 N74-27795 Correlation of coastal water turbidity and circulation with fE74-106321 Establishing an automated system for process control Introduction --- MSS photography of winter wheat in ERTS-1 and Skylab imagery of aerial photogeodesic and cartographic pO173 N74-27796 [F74.10532] nO201 N74-25850 p0187 A74-31445 Urban and regional land use analysis: CARETS and Census Cities experiment package --- Pennsylvania, New Jersey, Delaware, Maryland, Virginia, District of Columbia, ERTS-1 data collection systems used to predict wheat Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Evaluation of usefulness of Skylab EREP S-190 and disease severities --- Riley County, Kans [CONTRIB-1387] nsas p0173 N74-27797 Washington, California [E74-10581] A study of early detection of insect infestations and S-192 imagery in multistage forest surveys --- Trinity Alps, p0184 N74-28824 density/distribution of host plants --- Rio Grande Valley The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 [E74-10446] p0168 N74-21971 [E74-10560] p0173 N74-28811 Investigation of Skylab data --- agriculture crop acreage CROPS DELAWARE RIVER BASIN (US) Skylab support --- recognition maps and crop acreage n0168 N74.22001 Monitoring coastal water properties circulation with spacecraft p01 stimates for Michigan A technique for correcting ERTS data for solar and atmospheric effects --- Michigan test site p0179 A74-29721 nO226 N74-21976 [E74-10451] Investigation of Skylab data --- mapping of crops and forests in Michigan Skylab/EREP application to ecological, geological and congraphic investigations of Delaware Bay [E7:::10:437] p0199 N74-21962 [F74-10489] p0213 N74-22013 Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061

[E74-10594]

nO216 N74-27780

Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery --- Delaware Bay [E74-10589] p0209 N74-28831 DRAINAGE Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 DESERTS Use of Skylab data to assess and monitor change in DUST the southern California environment; the California desert program - resource inventory and analysis --- environmental monitoring, ecology, and tectonics of southern California p0182 N74-22020 Experimental evaluation of atmospheric effects on radiometric measurements using the EREP of Skylab [E74-10543] p0222 N74-25861 DIELECTRIC PROPERTIES Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 **DIFFRACTION PATTERNS** Extraction of the difference between two images p0211 A74-35492 Geophysical subsurface probing with radio-frequency p0193 A74-36437 DIFFURFRR Extraction of the difference between two images p0211 A74-35492 DIGITAL DATA Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys --- Trinity Alps, California [E74-10448] pQ168 N74-21971 Developing processing techniques for Skylab data [E74-10512] p0215 N74-2 p0215 N74-26856 Developing processing techniques [E74-10563] for Skylab data p0216 N74-27774 ERTS image [E74-10627] data compression technique evaluation p0216 N74-27794 All-Digital precision processing of ERTS images
[E74-10637] p0217 N74-28871 DIGITAL FILTERS Digital restoration of blurred, array-sampled images p0212 A74-36112 Separation of manmade and natural patterns in high titude imagery of agricultural areas --- digital filtering altitude imagery of agricultural areas -- digital filtering p0174 N74-28855 DIGITAL SIMULATION Target image frequency spectrum in Doppler radars p0221 A74-37295 DIPOLE ANTENNAS Geophysical subsurface probing with interferometry p0193 A74-36437 Wheat: Its water use, production and disease detection and prediction --- Kansas [E74-10632] p0173 N74-27795 Introduction --- MSS photography of winter wheat in p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities --- Riley County, Kansas [CONTRIB-1387] p01 p0173 N74-27797 Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels [E74-10585] pO174 N74-28828 Automatic photointerpretation for plant species and stress identification (ERTS-A1) data [E74-10592] p0174 N74-28834 Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels ---[E74-10629] p0174 N74-28865 DISPLAY DEVICES Skylab Earth Resource Experiment Package critical design review --- conference [NASA-CR-138380] p0227 N74-22961 Multispectral combination and display of ERTS-1 data - California p0217 N74-28854 - California DISTRICT OF COLUMBIA Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay, Maryland, and District of Columbia [E74-10473] pO181 N74-21997 Urban and regional land use analysis: CARETS and Census Cities experiment package --- Pennsylvania, New Jersey. Delaware, Maryland, Virginia, District of Columbia, Washington California [E74-10581] DOLPHINS Application of remote sensing for fishery resource assessment and monitoring --- analysis of fish catch relative to water rips [E74-10534] p0201 N74-25852 Application of remote sensing for fishery resource assessment and monitoring [E74-10598] DOPPLER EFFECT A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-26952 p0202 N74-26952 DOPPLER RADAR

volume 1 stations Target image frequency spectrum in Doppler radars pQ221 A74-37295

Hydrological basis for forecasting and calculating runoff Ranges, southern California by space images of the earth's surface
[NASA-TT-F-15665]
DRAINAGE PATTERNS [E74-10565] p0207 N74-25889 Ranges, southern California [E74-10570] Optical data processing analysis of stream patterns chibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 faults in Alaska [F74-10574] Preliminary report on sand-streaming in Agadez and **ECOLOGY** Tahoua Departments, Republic of Niger [E74-10442] p p0181 N74-21967 DYE LASERS Calibrated remote measurement differential-absorption backscatter technique p0179 A74-30685 Calibrated remote measurement of NO2 using the [E74-10458] F management in California [E74-10495] EARTH (PLANET) The 1973 Smithsonian standard earth (3) --- for the satellite geodesy program [NASA-CR-138586] pO190 N74-27362 EARTH ALBEDO Analysis of laser differential absorption reusing diffuse reflection from the earth p0178 A74-29714 termination of the earth's aerosol albedo using Skylab Lake Michigan [E74-10478] p0213 N74-22002 Sangamon River in Illinois [F74-10610] EARTH ATMOSPHERE Determination of aerosol content in the atmosphere from ECONOMIC FACTORS ERTS-1 data --- San Diego, California and Salton Sea [E74-10452] p0212 N74-21977 remote sensing projects
EDDY CURRENTS A technique for correcting ERTS data for solar and atmospheric effects ---- Michigan test site [E74-10489] p0213 N74-22013 Infrared, radar, and optical applications of ERTS data EDUCATION --- atmospheric effects in Colorado, lake ice surveillance, reactional land use. IFYGL (Lake Ontario), water quality monitoring, and oil pollution detection [E74-10497] p0182 N74-22022 Department of Geology [E74-10617] Study of atmospheric effects in Skylab data -multispectral photography of Colorado mountain areas
[E74-10505] p0213 N74-22025 **ELECTRO-OPTICS** p0213 N74-22025 Experimental evaluation of atmospheric effects on radiometric measurements using the EREP of Skylab [E74-10543] Geophysical subsurface probing interferometry Investigation of atmospheric effects in image transfer p0217 N74-28858 ELECTROMAGNETIC SCATTERING Clutter return from vegetated areas EARTH CRUST Crystal motion measurement by means of satellite prediction techniques [NASA-TM-X-70632] by the signal scattered from it [AD-777436] pQ195 N74-22965 EARTH ENVIRONMENT ENERGY TECHNOLOGY Study for a geoscientific aircraft measu p0227 N74-22070 applications **EARTH MOVEMENTS ENVIRONMENT EFFECTS** Crystal motion measurement by means of satellite techniques [NASA-TM-X-70632] p0195 N74-22965 **EARTH ORBITS** Earth Observatory Satellite (EOS) definition phase report, [E74-10458] [NASA-TM-X-69910] p0229 N74-28343 EARTH RESOURCES INFORMATION SYSTEM TH RESOURCES INFUNITION CO. S. Machine processing methods for earth observational p0211 A74-29025 [E74-10465] EARTH RESOURCES TECHNOLOGY SATELLITE 1 Space and man's environment --- with emphasis on the oplication of ERTS imagery Sangamon River in Illinois [E74-10610] [NASA-TM-X-70138] DO231 N74-29338 ENVIRONMENT MANAGEMENT EARTH RESOURCES TECHNOLOGY SATELLITES Land use mapping using ERTS multispectral image of Munich and environs p0180 A74p0180 A74-35500 opportunities EARTH SURFACE [NASA-CR-138177] Heat flux estimation in geothermal areas based on the heat balance of the ground surface p0193 A74-30710 Cloud shadow calculation for space survey modeling of [NASA-CR-138394] p0187 A74-33905 the earth surface Cloud cover effect during earth surface feature identification by visual and photographic observation [NASA-CR-138512] p0187 A74-339J6 from Zond space p0187 A74-36376 Photometry of the planet earth Photographic experiments during space flights of several NVIRONMENT MODELS DO188 A74-36386 days duration The calculation of cloud shadows in modeling of the earth's surface from space survey [NASA-TT-F-15685] **ENVIRONMENT POLLUTION** p0189 N74-25890 Basic research and data analysis for the National Geodetic Satellite Program and for the Earth and Ocean Physics Application Program [NASA-CR-138671] p0190 N74-26869 Calculating cloud shadows when simulating a space p0191 N74-29057 survey of the earth's surface Effect of clouds on recognition of the earth's surface during visual observations and photography from space p0191 N74-29058 ENVIRONMENT PROTECTION
Inventories of Delaware's coastal vegetation and land-use EARTHQUAKER Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California utilizing digital processing of ERTS-1 imagery
[E74-10531] p0183 N74-25849 [E74-10528] p0195 N74-25846 [E74-10531]

ENVIRONMENT PROTECTION Fault tectonics and earthquake hazards in the Peninsular p0196 N74-27776 Fault tectonics and earthquake hazards in the Peninsular p0197 N74-28814 Evaluation of feasibility of mapping seismically active p0197 N74-28818 Effects of construction and staged filling of reservoirs on the environment and ecology --- Sangamon River, An integrated study of earth resources in the State of California based on Skylab and supporting aircraft data --environmental monitoring, tectonics, ecology, and forest DO226 N74-22018 Use of Skylab data to assess and monitor change in the southern California environment; the California desert program - resource inventory and analysis --- environmental monitoring, ecology, and tectonics of southern California p0182 N74-22020 Study for a geoscientific aircraft measurement program p0227 N74-22070 Effect of construction and staged filling of reservoirs on the environment and ecology --- dam construction on n0209 N74-28843 On the feasibility of benefit-cost analysis app p0230 N74-28856 A superconducting airbourne mineral detection system p0193 A74-35298 Education and training in remote sensing p0225 A74-33070 ERTS-A date as a teaching and research tool in the p0228 N74-27791 The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29719

ELECTROMAGNETIC FIELDS p0178 A74-29715 p0193 A74-36437 p0167 A74-29046 Determining the geometric characteristics of a sea surface p0203 N74-27837 Utilization of space technology for terrestrial solar power p0226 A74-36226 Variations of meteorology, pollutant emissions, and air uality p0178 A74-29717
Effects of construction and staged filling of reservoirs on the environment and ecology --- Sangamon River, p0205 N74-21983 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities --- Ohio, West Virginia, Pennsylvania, Indiana, Kentucky, and Illinois 74-10465) p0194 N74-21990 Effect of construction and staged filling of reservoirs on the environment and ecology --- dam construction on n0209 N74-28843 Exploring options for the future: A study of growth in Boulder county. Volume 3: Environmental constraints and nO180 N74-21845 Application of remote sensing to state and regional nO182 N74-22973 Applications of remote sensing data to the Alaskan nO201 N74-25884 Annual report on the nation's progress in aeronautics and space activities, 1973
[H-DOC-93-283] p0227 N74-26406 p0227 N74-26406 Application of remote sensing to hydrology --- for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Joint Conference on Sensing of Environmental Pollutants, nd, Washington, D.C., December 10-12, 1973. The development of ground truth for correlation with po211 A74-34005 motely sensed data
Study for a geoscientific aircraft measurement program
p0227 N74-22070 Artificial earth satellites investigate the environment satellite-borne photography of pollution sources [NASA-TT-F-15409] p0184 N p0184 N74-27391

ENVIRONMENT SIMULATION SUBJECT INDEX Research on the application of satellite remote sens

to local, state, regional and national programs involved with

p0226 N74-22047

ment and environa

[NASA-CR-138173]

Application of remote sensing for fishery resource

p0201 N74-25852

assessment and monitoring --- analysis of fish catch relati

[E74-10534]

Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 Applications of Saturn/Apollo automated data system Application of remote sensing for fishery resource assessment and monitoring capabilities to problems and environmental impacts of urban . Insportation [F74-10598] p0202 N74-27784 Use of base techniques for environmental resource [NASA-CR-120216] FLATS (LANDFORMS) D0182 N74-23480 Experimental evaluation of atmospheric effects on diometric measurements using the EREP of Skylab studies. An aircraft experiment --- aircraft scientific equipment p0224 N74-29055 **ENVIRONMENTAL RESEARCH SATELLITES** Catalog of operational satellite products [NOAA-TM-NESS-53] p02 ENVIRONMENTAL INDEX p0227 N74-25898 p0222 N74-25861 Investigation of environmental indices from the Earth FUGHT CHARACTERISTICS Hesources Technology Satellite --- environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] **ENVIRONMENTAL TESTS** Skylab systems flight performance - An interim report Lidar studies of stack plumes in rural and urban environments --- air pollution tests p0225 A74-29031 FLOOD DAMAGE [PB-227347/2] p0182 N74-23189 **ENVIRONMENTAL MONITORING** Flood hazards studies in the Mississippi River basin using FROSION The radar backscatter from selected agricultural crops remote sensing Sediment transport and erosion in the Fourchon area p0167 A74-28935 p0225 A74-29451 [NASA-TM-X-70682] p0208 N74-27830 of Lafourche parish --- south Louisiana Widening ERTS applications FLOOD PLAINS [NASA-CR-138776] p0208 N74-26911 The application of the Correlation Spectrometer to ambient air quality and source emissions Floodplain mapping and planning for the 50 and 100 EUROPE ear interval flood zones of the Bitterroot Valley, Montana Study for a geoscientific aircraft mea p0178 A74-29712 asurement program p0227 N74-22070 [PB-226082/6] B-226082/6] p0207 N74-23030 Utilization of ERTS-A data in geological evaluation. Toward a methodical study of the environment Detecting melting snow and ice by visible and near-infrared measurements from satellites regional planning, forest management, and management in North Carolina emphasizing remote sensing of earth resources in Brazil p0180 A74-31000 Education and training in remote sensing p0225 A74-33070 p0207 N74-25877 [E74-10537] DO214 N74-25855 Flood hazards studies in the Mississippi River basin using **EUROPEAN SPACE PROGRAMS** Legal aspects of estimating, conserv ng, and developing Design study for [ESRO-CR(P)-352] remote sensing [NASA-TM-X-70682] p0213 N74-22061 p0208 N74-27830 earth resources by means of spacecraft n0225 A74-33601 FUTROPHICATION FLOOD PREDICTIONS Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft Remote sensing and take eutrophication Flood hazards studies in the Mississippi River basin using p0205 A74-37045 remote sensing [NASA-TM-X-70682] p0220 A74-33903 S190 interpretation techniques development and application to New York State water resources --- lake n0208 N74-27830 Microwave radiometer measurements of the Cape Cod anal p0199 A74-37395 Investigation of environmental indices from the Earth FLOODS Canal Floodplain mapping and planning for the 50 and 100 par interval flood zones of the Bitterroot Valley, Montana p0208 N74-27779 Resources Technology Satellite --- environmental trends Automatic classification of eutrophication of inland lakes p0207 N74-23030 [PB-226082/6] in land use water quality, and air quality in Pennsylvania [E74-10475] p0181 N74-21999 from spacecraft data --- Oakland County. The application of space technology to practical problems p0209 N74-28823 p0181 N74-21999 [E74-10580] such as those currently facing the mountain sections of the State of Colorado An integrated study of earth resources in the State of California based on Skylab and supporting aircraft data ---**EVAPOTRANSPIRATION** Applications of remote sensing in resource management [NASA-CR-138500] nO183 N74-25885 environmental monitoring, tectonics, ecology, and forest in Nebraska [NASA-CR-138602] Power law time dependence of river flood decay and ment in California p0228 N74-26875 [E74-10495] its relationship to long term discharge frequency p0226 N74-22018 **EXHAUST GASES** p0210 N74-28859 Jet engine soot emission measured at altitude - California Use of Skylab data to assess and monitor change in the southern California environment; the California desert p0179 A74-30397 FLORIDA program - resource inventory and analysis --- environmental Instrument to monitor CHA_CO_and_CO2_auto_evi-Planning applications in east central Florida --- Brevard County [E74-10448] monitoring, ecology, and tectonics of southern California [PB-226438/0GA] p0182 N74-22132 p0181 N74-21973 desert areas p0182 N74-22020 Extension of ERIM multispectral data processing Remote sensing of ocean current boundary layer --capabilities through improved data handling technique [NASA-CR-134268] p0214 N74-2260 F Florida Straits p0214 N74-22609 remote sensors to army facility [E74-10633] p0203 N74-27801 Application of Planning applications in east central Florida [E74-10623] p0230 FARM CROPS p0230 N74-28862 Remote sensing of biosphere from space --- multispectral AD-7754071 p0182 N74-22621 satellite observation of earth resources FLOW DISTRIBUTION Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey p0167 A74-29004 Power law time dependence of river flood decay and Optical modeling of agricultural fields and rough-textured its relationship to long term discharge frequency distri [NASA-CR-138398] p0207 N74-22972 rock and mineral surfaces p0210 N74-28859 Environmental study of ERTS-1 imagery: Lake Champlain [NASA-CR-134243] p0169 N74-22046 **FLUOROSCOPY** An analysis of the benefits and costs of an important An airborne laser fluorosensor for the detection of oil nO183 N74-25842 crop acreage forecasting system utilizing earth resources p0179 A74-29724 on water Applications of remote sensing data to the Alaskan satellite or aircraft information FLUX DENSITY [PB-227361/3] p0169 N74-22770 A digital offset fluxgate magnetometer for use in remote eomagnetic observatories p0201 N74-25884 INASA-CR-1385121 Use of remote se [NASA-CR-62098] ensing in agriculture geomagnetic ([AD-777885] Monitoring forest land from high altitude and from p0172 N74-26876 n0223 N74-27896 The ERS satellite cost benefit study FOREST FIRE DETECTION [NASA-CR-138624] p0172 N74-26868 [PB-226777/1] p0228 N74-27849 Wildland fire management. Volume 2: Wildland fire control 1985-1995 --- satellite information system for FEASIBILITY ANALYSIS Use of remote sensing in agriculture p0172 N74-26876 Measurement of air pollutants from satellites. [NASA-CR-62098] California fire problems Feasibility considerations p0180 A74-31870 Thermal contouring of forestry data: [NASA-CR-137459] p0 Wallops Island [NASA-CR-138400] p0170 N74-22970 FILTER WHEEL INFRARED SPECTROMETERS p0172 N74-26904 FOREST MANAGEMENT A cloud physics investigation utilizing Skylab data Artificial earth satellites investigate the environment ---Evaluation of usefulness of Skylab EREP S-190 and [F74-10441] p0221 N74-21966 photography of pollution se S-192 imagery in multistage forest surveys --- Trinity Alps, FINE STRUCTURE [NASA-TT-F-15409] p0184 N74-27391 Strategies for estimating the marine geoid from altimeter Cornell University remote sensing program --- selected [E74-10446] data [NASA-TM-X-70637] p0168 N74-21971 research projects in land and water resource management Evaluate the potential of Skylab photographic and infrared p0188 N74-22058 [NASA-CR-138749] p0228 N74-27806 imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio [E74-10450] p0181 N74-21975 FINLAND Application of space techniques to natural resources study Analysis of dielectric properties and noise temperature environmental monitoring: An aircraft experiment SA-TT-F-15683] p0228 N74-27870 of sea ice for microwave remote sensing applicat [NASA-TT-F-15683] p0199 N74-21864 Utilization of EREP data in geological evaluation, regional Earth Observatory Satellite (EOS) definition phase report. FIRE FIGHTING planning, forest management, and water management in Wildland fire management. Volume 2: Wildland fire control 1985-1995 --- satellite information system for [NASA-TM-X-69910] p0229 N74-28343 [E74-10463] p0226 N74-21988 Relevance of ERTS to the State of Ohio --- environmental California fire problems An integrated study of earth resources in the State of [NASA-CR-138400] p0170 N74-22970 California based on Skylab and supporting aircraft data --environmental monitoring, tectonics, ecology, and forest monitoring, land use, and resources management [E74-10553] p0229 N74-28809 **FIRE PREVENTION** Wildland fire management. Volume 2: Wildland fire control 1985-1995 --- satellite information system for Applicability of Skylab remote sensing for detection and management in California monitoring of surface mining activities --- Ohio, West Virginia, and Pennsylvania p0226 N74-22018 [E74-10495] California fire problems Skylab data as an aid to resource management in northern [NASA-CR-138400] p0170 N74-22970 [E74-10572] p0197 N74-28816 California --- timber identification and forest manageme FIRES in northern California Relevance of ERTS-1 to the State of Ohio --p0168 N74-22019 Thermal infrared imagery of The Burning Mountain coal tal monitoring and resource Remote sensing of changes in morphology and physiology p0193 A74-30798 p0230 N74-28875 [E74-10641] trees under stress --- for detecting Formes annosus ASA-CR-138392] p0170 N74-22962 FISHES [NASA-CR-138392] Research in remote sensing of agriculture, earth Application of remote sensing for fishery resource rces, and man's environment Utilization of ERTS-A data in geological evaluation, assessment and monitoring --- white marlin distribution [NASA-CR-138885] p0175 N74-28892 regional planning, forest management, and water management in North Carolina in Gulf of Mexico Space and man's environment --- with emphasis on the application of ERTS imagery [NASA-TM-X-70138] p0231 N74-29338 p0200 N74-21986 [E74-10537] p0214 N74-25855 Preliminary results of fisheries investigation associated ith Skylab-3 --- remotely sensed distribution and bundance of gamefish in Gulf of Mexico Utilization of ERTS-A data in geological evaluation, ENVIRONMENTAL QUALITY regional planning, forest management, and management in North Carolina p0200 N74-22003 Evaluate the potential of Skylab photographic and infrared [F74-10479] imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio Application of ERTS-1 data to the harvest model of the US menhaden fishery --- Gulf of Mexico [E74-10519] p0215 N74-26858 and geographi [E74-10450] Thermal contouring of forestry data: [NASA-CR-137459] p0 Walloos Island p0200 N74-22952 pO181 N74-21975 [E74-10504] p0172 N74-26904

ENVIRONMENT SIMULATION

ENVIRONMENTAL CONTROL

Calculating cloud shadows when simulating a space every of the earth's surface pO191 N74-29057

SUBJECT INDEX GEOPHYSICS

Complex of programs for computing co-ordinates of photographic points on electronic computers using results Field spectroscopy for multispectral remote sensing - An adultical approach p0219 A74-31869 Utilization of EREP data in geological evaluation, regional analytical approach planning, forest management, and water management in North Carolina of radiogeodesic measurements The S-193 radar altimeter experiment --- onboard Skylab for earth surface profile measurement p0187 A74-35136 [E74-10611] n0228 N74-27787 p0190 N74-25905 GEODETIC SATELLITES Comparison of geological information obtained from satellite and aerial photographs and from ground investigations in the Tibesti Mountains /Chad/ FORESTS Mathematical analysis of the results of measurements in the orbital method of satellite geodesy Forest insect damage from high-altitude color-IR p0167 A74-33069 p0187 A74-36379 p0193 A74-35499 Inventory of forest and rangeland resources, including NASA directory of observation station locations, vo forest stress --- Black Hills, Manitou, Colorado, and Atlanta Utilization of EREP data in geological evaluation, regional Georgia planning, forest management, and water management in North Carolina [NASA-TM-X-69902-VOL-1] p0227 N74-22890 p0171 N74-25848 [E74-10530] NASA directory of observation station locations, volume [E74-10463] p0226 N74-21988 A vegetation map of an area near Fairbanks, Alaska, based on an ERTS image [E74-10545] Geologic and mineral and water resources investigations INASA-TM-X-69902-VOL-21 p0227 N74-22891 p0171 N74-25863 Basic research and data analysis for the National Geodetic in western Colorado, using Skylab EREP data p0194 N74-22011 Inventory of forest and rangeland and detection of forest stress --- Black Hills, Manitou, Colorado, and Atlanta. Satellite Program and for the Earth and Ocean Physics Application Program [NASA-CR-138671] p0190 N74-26869 [E74-10487] Skylab short-lived event alert program p0194 N74-22479 ia test sites [NASA-CR-134262] Georgia test s [£74-10558] Study of arcuate structural trends in Utah and Nevada using ERTS-1 imagery
[E74-10526] p0195 N74-25845 GEODETIC SURVEYS

Establishing an automated system for process control Monitoring forest land from high altitude and from of aerial photogeodesic and cartographic production [NASA-CR-138624] nO172 N74-26868 Infrared radiometer for geological mapping --- mapping Post-analysis report on Chesapeake Bay data processing spectral analysis and recognition computer signature Geodesy and space --- earth, lunar and planetary surveys of earth infrared radiation distribution Geodesy and specified and the theory of the figure polls/ Ar4-3000 pevelopment of gravimetry and the theory of the figure polls8 A74-36385 [AD-776888] p0222 N74-25913 Utilization of EREP data in geological evaluation, regional [NASA.CR.137461] of the earth --- from satellite data p0188 A74-36385 NASA directory of observation station locations, volume p0215 N74-26899 planning, forest management, and water management in Investigation of Skylab data --- mapping of crops and Michigan p0216 N74-27780 [NASA-TM-X-69902-VOL-1] n0227 N74-22890 [E74-10594] Evaluation of ERTS-1 data applications to geologic apping, structural analysis and mineral resource inventory NASA directory of observation station locations, volume Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf of South America with special emphasis on the Andes [NASA-TM-X-69902-VOL-2] p0227 N74-22891 Mountain region --- Bolivia, Chile, and Peru [E74-10609] p019 Study of arcuate structural trends in Utah and Nevada using ERTS-1 imagery p0197 N74-28842 [NASA-CR-138806] nO173 N74-27804 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 Utilizing ERTS imagery to detect plant diseases and p0195 N74-25845 nutrient deficiencies, soil types and soil moisture levels ---Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid The United States Geological Survey [E74-10629] p0174 N74-28865 p0189 N74-25851 Geologic structure analysis using radar imagery of the coal mining area of Buchanan County, Va.

[PB-226689/6] [E74-10533] Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 Complex of programs for computing co-ordinates of photographic points on electronic computers using results of radiogeodesic measurements [AD-776104] p0190 N74-25905 FREEZING GEOLOGY Irrigation scheduling, freeze warning and soil salinity detecting --- Cameron and Starr Counties, Texas Basic research and data analysis for the National Geodetic Skylab/EREP application to ecological, geological and oceanographic investigations of Delaware Bay [E74-10437] p0199 N74-21962 Satellite Program and for the Earth and Ocean Physics Application Program [NASA-CR-138671] p0190 N74-26869 [E74-10569] p0174 N74-28813 74-10437] p0199 N74-21962 Ground pattern analysis in the Great Plains --- mapping FREQUENCY RESPONSE Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne GEOGRAPHY surficial geology and physiography of Kansas Ground pattern analysis in the Great Plains --- mapping p0212 N74-21982 radiometer in the millimeter and centimeter wavelength surficial geology and physiography of Kansas Satellite geological and geophysical remote sensing of p0221 A74-37520 [E74-10457] p0212 N74-21982 range GEOIDS FROST Calibration and evaluation of Skylab altimetry for geodetic Irrigation scheduling, freeze warning and soil salinity Optical modeling of agricultural fields and rough-textured determination of the geoid [E74-10447] detection rock and mineral surfaces [NASA-CR-134243] [E74-10541] p0171 N74-25859 nO188 N74-21972 p0169 N74-22046 NASA-CR-134243] p0169 N74-22046 To assess the value of satellite imagery in resource evaluation on a national scale --- South Africa E74-10494] p0214 N74-25837 Utilization of ERTS-A data in geological evaluation. Strategies for estimating the marine geoid from altimeter FRUITS A study of the early detection of insect infestations and [NASA-TM-X-70637] o0188 N74-22058 density/distribution of host plants --- citrus fruit trees [E74-10494] Calibration and evaluation of Skylab altimetry for geodetic p0174 N74-28835 [E74-10600] A study of early detection of insect infestations and density/distribution of host plants --- citrus fruit trees in Rio Grande Valley of Texas-Mexico border determination of the geoid regional planning, forest management, and water management in North Carolina [E74-10537] p0214 N74-25855 [E74-10533] p0189 N74-25851 Basic research and data analysis for the National Geodetic p0214 N74-25855 Satellite Program and for the Earth and Ocean Physics Application Program p0174 N74-28836 Applications of remote sensing data to the Alaskan [E74-10601] FUNGI p0190 N74-26869 [NASA-CR-138671] [NASA-CR-138512] p0201 N74-25884 Remote sensing of changes in morphology and physiology of trees under stress --- for detecting Fomes annosus Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid [E74-10612] p0190 N74-27788 Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water management in North Carolina [NASA-CR-138392] DO170 N74-22962 Calibration and evaluation of Skylab altimetry for geodetic DO215 N74-26858 [E74-10519] determination of the geoid Ground pattern analysis in the Great Plains --- pattern G [F74-10579] oO191 N74-28822 recognition and mapping of areal geology in Kansas GEOLOGICAL FAULTS [E74-10595] p0190 N74-27781 The hydrologic significance of faults in the Great Smoky Mountains National Park
[E74-10460] p0205 N74-21985 ERTS-A data as a teaching and research tool in the **GAS DETECTORS** Instrument to monitor CH4, CO, and CO2 auto exhaust [PB-226438/OGA] n0182 N74-22122 Department of Geology [E74-10617] p0228 N74-27791 Fault tectonics and earthquake hazards in the Peninsular Volcanology, geology, and vegetation of Sicily and Italy [E74-10626] p0197 N74-27793 GEODESY Ranges, southern California Calibration and evaluation of Skylab altimetry for geodetic [E74-10528] nO195 N74-25846 Volcanology, geology, and vegetation of Italy and Sicily p0195 N74-25846 Identification and interpretation of tectonic features from ERTS-1 imagery --- Coastal Ranges of California [E74-10520] p0195 N74-26859 determination of the geoid [E74-10620] 74-10620] p0198 N74-28848 Multidisciplinary study of Wyoming test sites ---[F74-10447] p0188 N74-21972 Space research. Investigation of the gravitational fields hydrology, biology, geology, lithology, geothermal, and land and the shape of the earth, other planets and the moon by observations from space vehicles Ground magnetometer survey in the Valley of Ten Thousand Smokes, Alaska [NASA-CR-138779] p0196 N74-26907 [E74-10624] DO230 N74-28863 [40-774398] nO189 N74-25902 Thailand national programme of the Earth Resources
Technology Satellite
[E74-10631] p0230 N74-28867 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California [E74-10565] p0196 N74-27776 metry GEOMAGNETISM [NASA-TM-X-70870] p0202 N74-26918 A digital offset fluxgate magnetometer for use in remote Iron-absorption band analysis for the discrimination of iron-rich zones --- Goldfield, Nevada [E74-10615] The 1973 Smithsonian standard earth (3) --- for the geomagnetic observatories [AD-777885] satellite geodesy program [NASA-CR-138586] p0223 N74-27896 p0196 N74-27790 nO190 N74-27362 GEOMORPHOLOGY Fault tectonics and earthquake hazards in the Peninsular Study of arcuate structural trends in Utah and Nevada using ERTS-1 imagery Calibration and evaluation of Skylab altimetry for geodetic Ranges, southern California [E74-10570] determination of the geoid p0197 N74-28814 nO190 N74-27788 [E74-10526] p0195 N74-25845 [E74-10612] Evaluation of feasibility of mapping seismically active Calibration and evaluation of Skylab altimetry for geodetic The Great Basin investigation faults in Alaska [F74-10578] determination of the geoid [E74-10579] nO191 N74-28821 p0197 N74-28818 [E74-10574] DO191 N74-28822 GEOPHYSICS Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) GEODETIC COORDINATES Satellite geological and geophysical remote sensing of Mathematical analysis of the results of measurements in the orbital method of satellite geodesy Ineland [E74-10467] [E74-10640] p0210 N74-28874 p0187 A74-36379 Remote sensing geophysics from Skylab --- rock discrimination and geothermal heat source detection in **GEOLOGICAL SURVEYS** NASA directory of observation station locations, volume Comparison of four independent soil surveys by air-photo interpretation, Paphos area /Cyprus/ p0167 A74-30530 A comparison of black-and-white, color and infrared Southern California and Nevada p0227 N74-22890 [NASA-TM-X-69902-VOL-1] [E74-10480] o0194 N74-22004 Remote sensing geophysics from Skylab --- spectral reflectance measurements of Southern California NASA directory of observation station locations, volume

photographs for geological interpretation at Witvlei, South West Africa p0211 A74-30793

INASA-TM-X-69902-VOL-21

DO227 N74-22891

p0194 N74-22005

[E74-10481]

Remote sensing geophysics from Skylab Southern	Evaluation of ERTS-1 imagery for mapping Quaternary	Earth Resources Technology Satellite: US standard
California and Nevada [E74-10482] p0194 N74-22006	deposits and landforms in the Great Plains and Midwest Illinois, Nebraska, Iowa, Missouri, and Kansas	catalog No. U-13 [NASA-TM-X-70111] 60231 N74-28907
Study for a geoscientific aircraft measurement program	[E74-10614] p0196 N74-27789	[NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard
p0227 N74-22070	GREENLAND	catalog No. U-15
Remote sensing geophysics from Skylab	The application of ERTS imagery to monitoring Arctic	[NASA-TM-X-70110] p0231 N74-28908
[E74-10501] p0222 N74-22950 Remote sensing geophysics from Skylab spectral	sea ice mapping ice in Bering Sea, Beaufort Sea,	Earth Resources Technology Satellite: US standard catalog No. U-17
reflectivity and hematite distribution at Twentynine Palms,	Canadian Archipelago, and Greenland Sea [E74-10502] p0200 N74-22951	[NASA-TM-X-70112] p0231 N74-28909
California	GROUND STATIONS	Earth Resources Technology Satellite: US standard
[E74-10521] pO196 N74-26860	Basic research and data analysis for the National Geodetic	catalog No. U-19
Appendix to theory of radio-frequency interferometry in	Satellite Program and for the Earth and Ocean Physics	[NASA-TM-X-70120] p0231 N74-28910
geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887	Application Program	HEAT BALANCE
EORGIA	[NASA-CR-138671] p0190 N74-26869	Heat flux estimation in geothermal areas based on the heat balance of the ground surface p0193 A74-30710
Application of multispectral photography to mineral and	GROUND TRUTH The development of ground truth for correlation with	HEAT FLUX
land resources of South Carolina Georgia	remotely sensed data p0211 A74-34005	Heat flux estimation in geothermal areas based on the
[E74-10464] pO193 N74-21989	Comparison of geological information obtained from	heat balance of the ground surface p0193 A74-30710
Inventory of forest and rangeland resources, including forest stress Black Hills, Manitou, Colorado, and Atlanta,	satellite and aerial photographs and from ground	Remote sensing geophysics from Skylab spectral
Georgia	investigations in the Tibesti Mountains /Chad/	reflectivity and hematite distribution at Twentynine Palms,
[E74-10530] p0171 N74-25848	pO193 A74-35499	California
Inventory of forest and rangeland and detection of forest	A joint meteorological, oceanographic and sensor	[E74-10521] p0196 N74-26860
stress Black Hills, Manitou, Colorado, and Atlanta,	evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857	HIGH FREQUENCIES
Georgia test sites [E74-10558] pO171 N74-25868	Key to location of rocket imagery, aircraft traverses,	Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124
EOS-C SATELLITE	ground truth and available maps for the Argentinian	the echo p0199 A74-35124 Tests of remote skywave measurement of ocean surface
Gravimetric geodesy and sea surface topography studies	Skylarks	conditions p0199 A74-35125
by means of satellite-to-satellite tracking and satellite	[UR-RSR-1] p0215 N74-26955	HIGHWAYS
altimetry	Key to coding of imagery and ground truth of the	Remote sensing as an aid to route evaluation for relocated
[NASA-TM-X-70670] p0202 N74-26918	Argentinian Skylarks (1181 and 1182)	Louisiana Highway 1
EOTHERMAL RESOURCES	[UR-RSR-2] p0216 N74-26956 Multispectral signatures in relation to ground control	[NASA-CR-138770] p0183 N74-26910 Remote sensing as an aid to route evaluation for relocated
Heat flux estimation in geothermal areas based on the heat balance of the ground surface p0193 A74-30710	signature using nested sampling approach California	Louisiana Highway 1
Satellite geological and geophysical remote sensing of	[E74-10625] p0216 N74-27792	[NASA-CR-138748] p0184 N74-27805
Iceland	The application of large numbers of pleasure boats to	HOLOGRAPHY
[E74-10467] p0194 N74-21992	collect synoptic sea-truth for ERTS-1 overpasses	Holographic stereogram display techniques for the
Remote sensing geophysics from Skylab rock	[E74-10591] p0203 N74-28833 GROUND WATER	viewing and mensuration of stereo photogrammetric
discrimination and geothermal heat source detection in	Hydrologic significance of lineaments in central	imagery [AD-778790] p0191 N74-28924
Southern California and Nevada	Tennessee (formerly hydrologic significance of faults in the	HYDROGEOLOGY BOTS 1174-28524
[E74-10480] p0194 N74-22004	Great Smoky Mountains National Park)	Applicability of remote sensor data to geologic analysis
Multidisciplinary study of Wyoming test sites hydrology, biology, geology, lithology, geothermal, and land	[E74-10640] p0210 N74-28874	of the Bonanza test site Colorado ··· hydrogeology and
use	GULF OF MEXICO	uranium exploration from ERTS-1 MSS photography
[E74-10624] p0230 N74-28863	Application of remote sensing data to coastal fish stock surveys p0199 A74-29022	[E74-10508] p0195 N74-22955 A study of remote sensing as applied to regional and
ERMANY	Application of remote sensing for fishery resource	small watersheds. Volume 1: Summary report
Land use mapping using ERTS multispectral imagery	assessment and monitoring white marlin distribution	[NASA-CR-139031] p0208 N74-27813
of Munich and environs p0180 A74-35500	in Gulf of Mexico	HYDROLOGY
Study for a geoscientific aircraft measurement program	[E74-10461] p0200 N74-21986	New dimensions in satellite hydrology
p0227 N74-22070	Preliminary results of fisheries investigation associated with Skylab-3 remotely sensed distribution and	p0205 A74-33957
EACIERS Evaluate ERTS imagery for mapping and detection of	abundance of gamefish in Gulf of Mexico	The hydrologic significance of faults in the Great Smoky Mountains National Park
evolute civile imagery for imapping and detection of		[E74-10460] p0205 N74-21985
changes of snowcover on land and on glaciers Cascade	[E74-10479] p0200 N74-22003	
changes of snowcover on land and on glaciers Cascade Mountains	A multi-sensor analysis of Nimbus 5 data on 22 January	Remote-sensing studies of hydrologic environments in
	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters	Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115	Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972
Mountains [E74-10606] p0209 N74-28839 **LACIOLOGY* Satellite geological and geophysical remote sensing of	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey (NASA-CR-138398) p0207 N74-22972 Retransmission of water resources data using the ERTS-1
Mountains [E74-10606] p0209 N74-28839 **LACIOLOGY Satellite geological and geophysical remote sensing of lceland	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US methaden fishery Gulf of Mexico	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada
Mountains [E74-10606] p0209 N74-28839 IACIOLOGY Satellite geological and geophysical remote sensing of localand [E74-10467] p0194 N74-21992	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [274-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey (NASA-CR-138398) p0207 N74-22972 Retransmission of water resources data using the ERTS-1
Mountains [E74-10606] p0209 N74-28839 iACIOLOGY Satellite geological and geophysical remote sensing of localand [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Caneda [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation
Mountains [E74-10606] p0209 N74-28839 IACIOLOGY Satellite geological and geophysical remote sensing of localand [E74-10467] p0194 N74-21992	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Casco de	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] S-193 impulse response cross correlation Oregon,	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] New England reservoir management from Skylab and
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Caneda [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography
Mountains [E74-10606] p0209 N74-28839 IACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cescade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] S-193 impulse response cross correlation Oregon,	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] New England reservoir management from Skylab and
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10468] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25887 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and serial photography [E74-10551] p0207 N74-25887 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889
Mountains [E74-10606] p0209 N74-28839 IACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoif by space images of the earth's surface [NASA-TT-F-15665] Study of time lapse data processing for dynamic
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10518] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25869 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ·· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctice [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctice Expedition	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-25865
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ·· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 [RAVIMETRY] Development of gravimetry and the theory of the figure	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10518] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25869 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington
Mountains [E74-10606] p0209 N74-28839 IACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETRY] Development of gravimetry and the theory of the figure of the earth from satellite data p0188 A74-36385	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 [GULF STREAM] Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15865] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10518] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and serial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology for the formulation of watershed behavior models [NASA-CR-120278] Multidisciplinary study of Wyoming test sites
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-22852 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-28885 [E74-10652] p0191 N74-28885 [GULF STREAM] Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15865] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyorning test sites — hydrology, geotlogy, lithology, geothermal, and land
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-25885 Application of remote sensing to hydrology for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28863 Hydrologic significance of lineaments in central
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Casca de Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition . [JPRS-62019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10552] p0191 N74-28885 [GULF STREAM] Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation to the policy of the process of the proc	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25860 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology for the formulation of watershed behavior models [NASA-CR-120278] Multidisciplinary study of Wyoming test sites hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctice [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth from satellite data Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [INASA-TM-X-70670] p0202 N74-26918 IRAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 [GULF STREAM] Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Caneda [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites — hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28883 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park)
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70870] p0202 N74-26918 [RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] g0ULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H MABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude serial photography to inventory wildilife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0168 N74-22032 Utilization of Skylab (EREP) system for appraising p168 N74-22032 Utilization of Skylab (EREP) system for appraising p168 N74-22032 Utilization of Skylab (EREP) system for appraising p168 N74-22032 System for appraising	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-1048] p0168 N74-22012 The use of high elititude eerial photography to inventory wildliffe habitat in Kansas: An initial evaluation [TR-2230-14-1] utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Caneda [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites — hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28883 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park)
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Albaka [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETRY] Development of gravimetry and the theory of the figure of the earth from satellite data Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [INASA-TM-X-70870] p0202 N74-26918 Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US methaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-22771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10552] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude serial photography to inventory wildliffe habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-26886 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25880 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites — hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of all this in the Great Smoky Mountains National Park) [E74-10840] Meteorology and Hydrology No. 4, 1974 — weather
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10518] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15865] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-25885 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites — hydrology, biology, geology, lithology, geothermal, and land use [E74-10640] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874 Meteorology and Hydrology No. 4, 1974 — weather and hydrological forecasting services in USSR
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [JPRS-82019] p0207 N74-25871 RAVIMETERY Development of gravimetry and the theory of the figure of the earth from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-25918 IRAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 IREAT BASIN (US) The Great Basin investigation geological structure and lithology [E74-10499] p0193 N74-21959	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US methaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 [GULF STREAM] Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H MABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-1048] p0168 N74-22012 The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0171 N74-26866	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10518] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15865] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-25885 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites — hydrology, biology, geology, lithology, geothermal, and land use [E74-10640] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874 Meteorology and Hydrology No. 4, 1974 — weather and hydrological forecasting services in USSR
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data Gravimetric goodssy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 [RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 [REAT BASIN (US) The Great Basin investigation ··· lithology and geological structure and lithology [E74-10499] p0193 N74-21959	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-1048] p0168 N74-22012 The use of high elititude eerial photography to inventory wildliffe habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-26866 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-26866 P0172 N74-27769 Application of ERTS imagery to the study of caribou	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10518] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15865] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] p0208 N74-25885 Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites — hydrology, biology, geology, lithology, geothermal, and land use [E74-10640] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874 Meteorology and Hydrology No. 4, 1974 — weather and hydrological forecasting services in USSR
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth ··· from satellite data Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [INASA-TM-X-70870] p0202 N74-26918 RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 IREAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation ··· lithology and geological structures	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] The use of high effitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0198 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0171 N74-26866 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and serial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-25865 Application of remote sensing to hydrology for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of eflutts in the Great Smoky Mountains National Park) [E74-10640] Meteorology and Hydrology No. 4, 1974 weather and hydrological forecasting services in USSR [JPRS-62306] p0210 N74-29051
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 IRAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-02019] p0207 N74-25871 IRAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 IRAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 IREAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation ··· lithology and geological structures [E74-10561] p0196 N74-27772	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] The use of high eltitude eerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0172 N74-22886 [E74-10555] p0172 N74-27769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] P048AMAII	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctice [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition - [JPRS-62019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth from satellite data Gravimetric goodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [INASA-TM-X-70670] p0202 N74-26918 IRAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 IREAT BASIN (US) The Great Basin investigation geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation lithology and geological structures [E74-10561] p0196 N74-27722	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US methaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 [GULF STREAM] Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H MABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-1048] p0168 N74-22012 The use of high altitude serial photography to inventory wildlifer habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0171 N74-2686 [E74-10555] p0172 N74-27769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] p0175 N74-28870 [E74-10636] p0175 N74-28870 [E74-10636]	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25860 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25860 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-26865 Application of remote sensing to hydrology for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrology isgnificance of faults in the Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874 Meteorology and Hydrology No. 4, 1974 weather and hydrologyical forecasting services in USSR [JPRS-62306] p0210 N74-29051
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite attimetry [NASA-TM-X-70670] [RAVIMETEDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 [REAT BASIN (US) The Great Basin investigation geological structure and lithology [E74-1049] The Great Basin investigation lithology and geological structures [E74-10561] p0191 N74-2821	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US methaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-22852 D018-2019 p0191 N74-22885 [E74-10555] p0191 N74-28853 P0191 N74-288	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth . other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 RREAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation [E74-10578] p0191 N74-28821	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] g0ULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-26886 p0175 N74-27769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] HAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 [RAVIMETEDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 [REAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation ··· lithology and geological structures [E74-10561] p0191 N74-28821 [E74-10561] p0191 N74-28821 [E74-10578] p0191 N74-28821 [E74-10578] p0191 N74-28821 [ERAT PLAINS CORRIDOR (NORTH AMERICA) Study to develop improved spacecraft snow survey methods using Skylab/ ERP data ··· Cascades. Sierra	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high ellitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-2886 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-2886 [E74-10555] Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] hAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing [NASA-TM-X-70127] p0229 N74-28800	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctice [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth from satellite atata Gravimetric goodsys and sa surface topography studies by means of satellite-to-satellite tracking and satellite atlimetry [INASA-TM-X-70870] p0202 N74-26918 [RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 [REAT BASIN (US) The Great Basin investigation geological structure and lithology [E74-10561] p0196 N74-27772 The Great Basin investigation [E74-10561] p0197 N74-28821 [E74-10561] p0198 N74-28821 [EREAT PLAINS CORRIDOR (NORTH AMERICA) Study to develop improved spacecraft snow survey methods using Skylab/EREP data Cascades. Sierra	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] g0ULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 H HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-26886 p0175 N74-27769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] HAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10551] p0207 N74-25860 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25860 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-25885 Application of remote sensing to hydrology for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874 Meteorology and Hydrology No. 4, 1974 weather and hydrological forecasting services in USSR [JPRS-62306] p0210 N74-29051 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 The application of ERTS i nagery to monitoring Arctic sea ice mapping ice in Bering Sea, Beaufort Sea. Canadian Archipleago, and Greenland Sea
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite attimetry [NASA-TM-X-70670] [RAVIMETEDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 [REAT BASIN (US) The Great Basin investigation geological structure and lithology [E74-10561] p0191 N74-2821 [REAT PLAINS CORRIDOR (NORTH AMERICA) Study to develop improved spacecraft snow survey methods using Skylab /EREP data Cascades, Sierra Nevadas, and Great Plains [E74-10476] p0206 N74-22000	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0198 M74-22771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] The use of high eltitude eerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0172 N74-2769 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0172 N74-2769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] p0175 N74-28870 HAWAIII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing [NASA-TM-X-70127] p0229 N74-2880	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10542] p0207 N74-25867 New England reservoir management from Skylab and aerial photography [E74-10551] p0207 N74-25867 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-25889 Application of remote sensing to hydrology for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) [E74-10640] Meteorology and Hydrology No. 4, 1974 weather and hydrological forecasting services in USSR [JPRS-62306] p0210 N74-29051 ICE MAPPING The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 1 The application of ERTS i nagery to monitoring Arctic sea ice mapping ice in Bering Sea, Beaufort Sea, Canadian Archipelago, and Greenland See [E74-10502]
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition · [JPRS-62019] p0207 N74-25871 RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 RREAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation [E74-10561] p0196 N74-27772 The Great Basin investigation [E74-10578] p0197 N74-28821 REAT PLAINS CORRIDOR (NORTH AMERICA) Study to develop improved spacecraft snow survey weethods using Skylab/ERPP data ··· Cascades, Sierra Nevadas, and Great Plains [E74-10476] p0206 N74-22000 Study to develop improved spacecraft snow survey	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0171 N74-26866 P0175 N74-2769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] p0175 N74-28870 HAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing [NASA-TM-X-70127] p029 N74-28801 Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing [NASA-TM-X-70128] p0229 N74-28801	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions Antarctica [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 RAVIMETRY Development of gravimetry and the theory of the figure of the earth from satellite data Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [INASA-TM-X-70670] p0202 N74-26918 RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 IREAT BASIN (US) The Great Basin investigation geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation lithology and geological structures [E74-10561] p0196 N74-27772 The Great Basin investigation lithology and geological structures [E74-10561] p0191 N74-28821 IREAT PLAINS CORRIDOR (NORTH AMERICA) Study to develop improved spacecraft snow survey methods using Skylab/EREP data Cascades, Sierra Nevadas, and Great Plains [E74-10476] p0206 N74-22000 Study to develop improved spacecraft snow survey methods using Skylab/EREP data mapping snow cover	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high elititude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-2886 [T41-10557] p0171 N74-2886 [T41-10555] p0172 N74-27769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10638] hAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie: US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie: US standard Lasson (Sandard Catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie: US standard Catalog, 23 Listing P0229 N74-28801 Earth Resources Technology Satellitie: US standard Lasson (Sandard Catalog, 23 Listing Nasa-TM-X-70128) p0229 N74-28801 Earth Resources Technology Satellitie: US standard Catalog, 23 Listing Nasa-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie:	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system — Canada [E74-10516] p0207 N74-25841 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10561] p0207 N74-25860 New England reservoir management — from Skylab and aerial photography [E74-10551] p0207 N74-25860 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 Study of time lapse data processing for dynamic hydrologic conditions — Arizona and Washington [E74-10552] Application of remote sensing to hydrology — for the formulation of watershed behavior models [NASA-CR-120278] p0208 N74-26865 [NASA-CR-120278] p0208 N74-27811 Multidisciplinary study of Wyoming test sites — hydrology, biology, geology, lithology, geothermal, and land use [E74-10624] p0230 N74-28863 Hydrologic significance of lineaments in central Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874 Meteorology and Hydrology No. 4, 1974 — weather and hydrological forecasting services in USSR [JPRS-62306] p0210 N74-29051 The application of ERTS i nagery to monitoring Arctic sea ice — mapping ice in Bering Sea, Beaufort Sea (E74-10502) Investigations performed on the Arctic ice dynamics joint experiment. March 1971 — Beaufort Sea ice pack
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [E74-10470] p0188 N74-21995 RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition · [JPRS-62019] p0207 N74-25871 RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 RREAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation [E74-10561] p0196 N74-27772 The Great Basin investigation [E74-10578] p0197 N74-28821 REAT PLAINS CORRIDOR (NORTH AMERICA) Study to develop improved spacecraft snow survey weethods using Skylab/ERPP data ··· Cascades, Sierra Nevadas, and Great Plains [E74-10476] p0206 N74-22000 Study to develop improved spacecraft snow survey	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] gULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-26866 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0171 N74-26886 [E74-10636] p0175 N74-27769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] p0175 N74-28870 HAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing [NASA-TM-X-70127] p029 N74-28800 Earth Resources Technology Satellitie: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128]	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-82019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data p0188 A74-36385 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 [RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 [REAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-1049] p0193 N74-21959 The Great Basin investigation [E74-10561] p0191 N74-28821 [REAT PLAINS CORRIDOR (NORTH AMERICA) Study to develop improved spacecraft snow survey methods using Skylab/EREP data ··· mapping snow cover in Cascades, Sierra Navada, and Great Plains [E74-10476] p0206 N74-22000	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US menhaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0191 N74-27771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high elititude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-2886 [T41-10557] p0171 N74-2886 [T41-10555] p0172 N74-27769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10638] hAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie: US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie: US standard Lasson (Sandard Catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie: US standard Catalog, 23 Listing P0229 N74-28801 Earth Resources Technology Satellitie: US standard Lasson (Sandard Catalog, 23 Listing Nasa-TM-X-70128) p0229 N74-28801 Earth Resources Technology Satellitie: US standard Catalog, 23 Listing Nasa-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellitie:	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system
Mountains [E74-10606] p0209 N74-28839 LACIOLOGY Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers ··· Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in polar regions ··· Antarctica [E74-10470] p0188 N74-21995 [E74-10470] p0188 N74-21995 [RAVIMETERS Selected translations from Bulletin of the Soviet Antarctic Expedition [JPRS-62019] p0207 N74-25871 [RAVIMETERY Development of gravimetry and the theory of the figure of the earth ··· from satellite data Gravimetric goodssy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] p0202 N74-26918 [RAVITATIONAL FIELDS Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles [AD-774398] p0189 N74-25902 [REAT BASIN (US) The Great Basin investigation ··· geological structure and lithology [E74-10499] p0193 N74-21959 The Great Basin investigation ··· lithology and geological structures [E74-10561] p0196 N74-27772 The Great Basin investigation ··· lithology and geological structures [E74-10561] p0196 N74-27772 The Great Basin investigation ··· Cascades, Sierra Nevadas, and Great Plains [E74-10476] p0206 N74-22000 Study to develop improved spacecraft snow survey methods using Skylab/EREP data ··· cascades, Sierra Nevadas, and Great Plains [E74-10578] p0208 N74-27773	A multi-sensor analysis of Nimbus 5 data on 22 January 1973 meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 Application of ERTS-1 data to the harvest model of the US methaden fishery Gulf of Mexico [E74-10504] p0200 N74-22952 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-227771 S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10552] p0191 N74-28885 GULF STREAM Remote sensing of ocean current boundary layer Gulf Loop Current [E74-10443] p0200 N74-21968 HABITATS Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat North America [E74-10488] p0168 N74-22012 The use of high altitude serial photography to inventory wildliffe habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10557] p0171 N74-2886 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0172 N74-2769 Application of ERTS imagery to the study of caribou movements and winter habitat Arctic Alaska [E74-10636] hAWAII Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing [NASA-TM-X-70127] Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: 'Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellite: US standard catalog, 20 July 1972 - 23 July 1973. Volume 2: 'Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellite: US standard catalog, 20 July 1972 - 23 July 1973. Volume 2: 'Coordinate listing [NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellite: US standard catalog, 20 July 1972 - 23 July 1973. Volume 2: 'Coordinate listing [NASA-TM-X-70128] p0229 N74-28	Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Retransmission of water resources data using the ERTS-1 data collection system

SUBJECT INDEX INFRARED PHOTOGRAPHY Earth Resources Technology Satellite: US standard

Comparison of some classification techniques

Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 catalog No. U-18 [NASA-TM-X-70126] p0211 A74-34438 p0229 N74-28807 INFORMATION SYSTEMS Establishing an automated system for process control of aerial photogeodesic and cartographic production Earth Resources Technology Satellite: Non-US standard ICELAND catalog No. N-13 [NASA-TM-X-70122] Satellite geological and geophysical remote sensing of p0230 N74-28899 p0187 A74-31445 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 [E74-10467] p0194 N74-21992 Wildland fire management. Volume 2: Wildland fire IDAHO control 1985-1995 --- satellite information system for Crop identification and acreage measurement of ERTS imagery --- Idaho, Kansas, and South Dakota California fire problems [NASA-CR-138400] Earth Resources Technology Satellite: Non-US standard p0170 N74-22970 catalog No. N-16 [NASA-TM-X-70125] [E74-10500] p0169 N74-22023 Earth Resources Technology Satellite. Cumulative p0231 N74-28901 non-US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID [NASA-TM-X-70134] p0229 N74-28802 A study to develop improved spacecraft show survey Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data --- Sierra Nevadas in Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 2: Oservation ID [NASA-TM-X-70133] p0229 N74-28803 California, Cascades in Washington and Oregon, Upper Columbia Basin in Idaho and Montana, and Salt-Verde Earth Resources Technology Satellite: Non-US standard catalog No. N-18
[NASA-TM-X-70107] p0231 N74-28903 Watershed in Arizona p0209 N74-28825 [E74-10582] Earth Resources Technology Satellite: Non-US standard catalog No. N-19
[NASA-TM-X-70108] p0231 N74-28904 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 3: Coordinate listing, revision [NASA-TM-X-70132] p0229 N74-28804 Application of remote sensing in the study of vegetation and soils in Idaho Earth Resources Technology Satellite: Non-US standard catalog No. N-20 pO174 N74-28846 [E74-10618] ILLINOIS Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 4: Coordinate listing. revision [NASA-TM-X-70136] p0229 N74-28805 Effects of construction and staged filling of reservoirs on the environment and ecology --- Sangamon River. [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0205 N74-21983 [E74-10458] p0231 N74-28906 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities --- Ohio, West Virginia, Pennsylvania, Indiana, Kentucky, and Illinois Earth Resources Technology Satellite: Non-US standard Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] catalog No. N-14 p0231 N74-28907 [NASA-TM-X-70123] p0229 N74-28806 Earth Resources Technology Satellite: US standard catalog No. U-15
[NASA-TM-X-70110] .p0231 N74-28908 [E74-10465] p0194 N74-21990 Earth Resources Technology Satellite: US standard Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: US standard catalog No. U-17
[NASA-TM-X-70112] p0231 N74-28909 Earth Resources Technology Satellite: Non-US standard Evaluation of ERTS-1 imagery for mapping Quaternary deposits and landforms in the Great Plains and Midwest Earth Resources Technology Satellite: US standard catalog No. U-19 catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Nebraska, Iowa, Missouri, and Kansas Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 [E74-10614] p0196 N74-27789 [NASA-TM-X-70120] p0231 N74-28910 Effect of construction and staged filling of reservoirs on INDIANA the environment and ecology --- dam construction on Earth Resources Technology Satellite: Non-US standard Applicability of Skylab remote sensing for detection and Sangamon River in Illinois [E74-10610] monitoring of surface mining activities --- Ohio, West Virginia, Pennsylvania, Indiana, Kentucky, and Illinois catalog No. N-16 [NASA-TM-X-70125] p0209 N74-28843 p0231 N74-28901 IMAGE CONTRAST p0194 N74-21990 GE CUNTRAD:
Extraction of the difference between two images
p0211 A74-35492 [E74-10465] Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] Spectroradiometric measurements of Lake Monroe. Indiana p0231 N74-28902 AGE ENHANCEMEN : Milwaukee Symposium on Automatic Comus., Milwaukee, Wis., March 28-30, 1974, Proceedings p0212 A74-36109 IMAGE ENHANCEMENT 774-10472] p0206 N74-21996 Evaluation and comparison of ERTS measurements of [E74-10472] Earth Resources Technology Satellite: Non-US standard catalog No. N-18 major crops and soil associations for selected test sites in the central United States ··· Texas, Indiana, Kansas, Iowa, Nebraska, and North Dakota [E74-10474] p0168 N74-21998 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-19
[NASA-TM-X-70108] p0231 N74-28904 New uses of shadow enhancement --- interpretation of geologic structures from photographic or scanner imagery of Colorado
[E74-10509] p0214 N74-22956 A multilevel, multispectral data set analysis in the visible Earth Resources Technology Satellite: Non-US standard and infrared wavelength regions --- south-central Indiana [E74-10571] p0223 N74-28815 catalog No. N-20 [NASA-TM-X-70129] IMAGE MOTION COMPENSATION p0231 N74-28905 Digital restoration of blurred, array-sampled images INFESTATION Earth Resources Technology Satellite: US standard p0212 A74-36112 Forest insect damage from high-altitude color-IR catalog No. U-12 [NASA-TM-X-70109] p0167 A74-33069 IMAGING TECHNIQUES photos n0231 N74-28906 A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 A study of early detection of insect infestations and Earth Resources Technology Satellite: US standard density/distribution of host plants --- Rio Grande Valley catalog No. U-13 [NASA-TM-X-70111] Milwaukee Symposium on Automatic C Milwaukee, Wis., March 28-30, 1974, Proceedings of Texas p0231 N74-28907 [E74-10560] p0173 N74-28811 Earth Resources Technology Satellite: US standard p0212 A74-36109 A study of the early detection of insect infestations and catalog No. U-15 [NASA-TM-X-70110] Optimal interpolation of two dimensional signal --- using least mean square error criterion for sampled image ensity/distribution of host plants --- citrus fruit trees [74-10600] p0174 N74-28835 p0231 N74-28908 [E74-10600] p0212 A74-36113 Earth Resources Technology Satellite: U.S. standard A study of early detection of insect infestations and catalog No. U-17 [NASA-TM-X-70112] Circular scan synthetic aperture radar --- for terrain p0222 N74-25668 density/distribution of host plants --- citrus fruit trees in Rio Grande Valley of Texas-Mexico border p0231 N74-28909 imaging p0222 N74-25668
Detection of moisture and moisture related phenomena Earth Resources Technology Satellite: US standard [E74-10601] , p0174 N74-28836 catalog No. U-19 [NASA-TM-X-70120] INFRARED DETECTORS from Skylab A study of early detection of insect infestations and density/distribution of host plants --- Rio Grande Valley [E74-10511] 774-10511] p0170 N74-25838 Cartographic evaluation of Skylab-A S-192 scanner p0231 N74-28910 Statistical properties of the background noise for the atmospheric windows in the intermediate infrared region [E74-10638] p0175 N74-28872 p0189 N74-25856 [E74-10538] iate infrared region p0219 A74-29856 A study of the early detection of insect infestations and IMPACTORS Evaluation of a high volume cascade particle impactor system --- sampling conditions for environmental density/distribution of host plants --- Rio Grande Valley Narrow gap semiconductors ... device technology p0220 A74-34770 assessment and applications
INFRARED FILTERS [E74-10639] p0175 N74-28873 pollution p0181 N74-21901 A study of the early detection of insect infestations and density/distribution of host plants Ultra narrow band infrared filter radiometry p0177 A74-29704 [RNWI-SA-4677] IMPERIAL VALLEY (CA) Evaluation of remote sensing in control of pink bollworm in cotton --- Imperial Valley, Coachella Valley, and Palo [E74-10642] nO175 N74-28876 INFRARED IMAGERY INFORMATION MANAGEMENT Thermal infrared imagery of The Burning Mountain coal Recent advancements in information extraction methodology and hardware for Earth Resources Survey p0193 A74-30798 Verde Valley, California [F74-10503] p0169 N74-22024 INFRARED INSTRUMENTS A multi-sensor analysis of Nimbus 5 data on 22 January 1973 --- meteorological parameters [NASA-TM-X-70633] p0221 N74-22115 INDEXES (DOCUMENTATION) Systems [E74-10515] A catalog system for remote-sensing data p0214 N74-25840 p0211 A74-33072 Earth Resources Technology Satellite. Cumulative non-US standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID Earth Resources Technology Satellite. INFRARED LASERS Cumulative Note: The second of the second Analysis of laser differential absorption remote sensing using diffuse reflection from the earth p0178 A74-29714 [NASA-TM-X-70134] p0229 N74-28802 DO229 N74-28802 Narrow gap semiconductors --- device technology Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 2: Oservation ID [NASA-TM-X-70133] p0229 N74-28803 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. assessment and applications
INFRARED PHOTOGRAPHY Progress report - Detection of dissolved oxygen in v through remote sensing techniques p0179 A74-25 Volume 2: Oservation ID [NASA-TM-X-70133] p0229 N74-28803 p0179 A74-29720 Earth Resources Technology Satellite. Cumulative non-US standard catalog, 23 July 1972 - 23 July 1973. Earth Resources Technology Satellite. Cumulative non-US standard catalog, 23 July 1972 - 23 July 1973. Forest insect damage from high-altitude non-US standard catalog, 23 July 1972 - 23 July 1972. Volume 3: Coordinate listing, revision [NASA-TM-X-70132] p0229 N74-28804 Earth Resources Technology Satellite. Cumulative non-US standard catalog, 23 July 1972 - 23 July 1973. Volume 4: Coordinate listing, revision Volume 3: Coordinate listing, revision [NASA-TM-X-70132] Remote sensing and lake eutrophication p0229 N74-28804 p0205 A74-37045 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 4: Coordinate listing, revision [NASA-TM-X-70136] p0229 N74-28805 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 f p0169 N74-22032 p0229 N74-2805
Earth Resources Technology Satellite: Non-US standard catalog No. N-14
[NASA-TM-X-70123] Detection of moisture and moisture related phenomena INFORMATION RETRIEVAL from Skylab --- infrared photography of Texas/New

A catalog system for remote-sensing data

p0211 A74-33072

[E74-10471]

D0206 N74-22948

A multilevel, multispectral data set analysis in the visible and infrared wavelength regions --- south-central Indiana [E74-10571] p0223 N74-28815 INFRARED RADIATION Experimental evaluation of atmospheric effects on

radiometric measurements using the EREP of Skylab p0222 N74-25861 [F74-10543] Infrared radiometer for geological mapping --- mapping

of earth infrared radiation distribution AD-7768881 p0222 N74-25913

INFRARED RADIOMETERS

Ultra narrow band infrared filter radiometry pO177 A74-29704 Infrared radiometer for geological mapping --- mapping

of earth infrared radiation distribution
[AD-776888] p0222 N74-25913 INFRARED SCANNERS

RARED SCANNERS Ultra narrow band infrared filter radiometry p0177 A74-29704

INFRARED SPECTRA Application of infrared line models in the detection of

atmospheric pollutants [AIAA PAPER 74-651]

INFRARED SPECTROMETERS

The information content of remote measurements of atmospheric temperature by satellite infra-red radiometry and optimum radiometer configurations

p0221 A74-37021
Instrument to monitor CH4, CO, and CO2 auto exhaust p0182 N74-22132

[PB-226438/0GA] INFRARED SPECTROSCOPY

Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702

Experimental evaluation of atmospheric effects on radiometric measurements using the EREP of Skylab p0222 N74-25861 [F74-10543]

INLAND WATERS Current measurements in the Salton Sea using ERTS

multispectral imagery [E74-10653] p0204 N74-28886

INSECTS Forest insect damage from high-altitude color-IR p0167 A74-33069 photos A study of early detection of insect infestations and density/distribution of host plants --- Rio Grande Valley

p0173 N74-28811

A study of the early detection of insect infestations and density/distribution of host plants --- citrus fruit trees [E74-10600] p0174 N74-28835 A study of early detection of insect infestations and

density/distribution of host plants --- citrus fruit trees in Rio Grande Valley of Texas-Mexico border p0174 N74-28836 [E74-10601]

A study of early detection of insect infestations and density/distribution of host plants --- Rio Grande Valley

[E74-10638] ·p0175 N74-28872

A study of the early detection of insect infestations and density/distribution of host plants --- Rio Grande Valley [F74-10639] n0175 N74-28873

A study of the early detection of insect infestations and density/distribution of host plants

[F74-10642] DO175 N74-28876 INTELSAT SATELLITES

Space law and international action p0226 A74-33612 INTERFACES

Flexible DCP interface --- environmental sensor and signal

conditioning interface [CONTRIB-1397]

INTERFEROMETERS Instrumentation techniques for advanced fine-pointing mechanisms in a passive seismic environment --- precision

angular deviation measurement
[AIAA PAPER 74-872] p0221 A74-37858

INTERFEROMETRY The remote measurement of trace atmospheric species

by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 INTERMEDIATE FREQUENCY AMPLIFIERS

Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength p0221 A74-37520

INTERNATIONAL COOPERATION

Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings p0225 A74-33598

Space law and international action p0226 A74-33612 INTERNATIONAL FIELD YEAR FOR GREAT LAKES

Infrared, radar, and optical applications of ERTS data --- atmospheric effects in Colorado, lake ice surveillance, reactional land use, IFYGL (Lake Ontario), water quality monitoring, and oil pollution detection
[E74-10497]

p0182 N74-22022

INTERNATIONAL LAW

Practical use of space vehicles in the light of the principle of state sovereignty over natural resource

p0225 A74-29008 Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings

n0225 A74-33598

Detection of earth resources by remote sensors /Systems and Problems / --- international legal implication

International legal aspects of earth resources satellites p0225 A74-33600

Legal aspects of estimating, conserving, and developing earth resources by means of spacecraft p0225 A74-33601

Space law and international action p0226 A74-33612 IOWA

Evaluation and comparison of ERTS measurements of major crops and soil associations for selected test sites in the central United States --- Texas, Indiana, Kansas, Iowa.

Nebraska, and North Dakota [E74-10474] p0168 N74-21998 Evaluation of ERTS-1 imagery for mapping Quaternary

deposits and landforms in the Great Plains and Midwest --- Illinois, Nebraska, Iowa, Missouri, and Kansas [E74-10614] p0196 N74-27789

Terrain properties and topography from Skylab altimetry Lake Michigan, Lake Huron, Iowa, and Texas p0191 N74-28847

IRON COMPOUNDS

Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform --- mapping exposed silicate rocks and exposed iron compounds near Pisgah Crater, California

[E74-10596] DO196 N74-27782 IRON ORES

Iron-absorption band analysis for the discrimination of iron-rich zones --- Goldfield, Nevada

[E74-10615] p0196 N74-27790 IDDICATION

Remote sensing for monitoring project - The California Aqueduct ing for monitoring a water transportation p0177 A74-29021 trrigation scheduling, freeze warning and soil salinity

detecting [E74-10541] --trrigation scheduling, freeze warning and soil salinity detecting --- Cameron and Starr Counties, Texas [E74-10569] p0174 N74-28813 ITALY

Volcanology, geology, and vegetation of Sicily and Italy [E74-10626] p0197 N74-27793 Volcanology, geology, and vegetation of Italy and Sicily [E74-10620] p0198 N74-28848 ITÓS 1

The ITOS weather satellite --- ... for atmospheric temperature monitoring p0219 A74-32731 The ITOS weather satellite --- in sun-synchronous orbit

JAPAN

Heat flux estimation in geothermal areas based on th heat balance of the ground surface p0193 A74-30710 JET ENGINES

Jet engine soot emission measured at altitude p0179 A74-30397

Κ

KANSAS

Optical data processing analysis of stream patterns thibited on ERTS-1 imagery

[E74-10456] n0205 N74-21981 Ground pattern analysis in the Great Plains --- mapping surficial geology and physiography of Kansas [E74-10457]

p0212 N74-21982 Skylab study of water quality --- Kansas reservoirs [E74-10466]

74-10466] p0205 N74-21991 Evaluation and comparison of ERTS measurements of major crops and soil associations for selected test sites in the central United States --- Texas, Indiana, Kansas, Iowa, Nebraska, and North Dakota

[F74-10474] Tib168 N74.21998 Crop identification and acreage measurement utilizing ERTS imagery --- Idaho, Kansas, and South Dakota [E74-10500] p0169 N74-22023

The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N

p0169 N74-22032 Research on the application of satellite remote sensing

Hesearch on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p0226 N74-22047 Detection of moisture and moisture related phenomena from Skylab --- correlation of S-193 radiometer temperature and backscatter coefficient with soil moisture p0171 N74-25858

Ground pattern analysis in the Great Plains --- pattern recognition and mapping of areal geology in Kansas [E74-10595] p0190 N74-27781

Evaluation of ERTS-1 imagery for mapping Quaternary deposits and landforms in the Great Plains and Midwest
--- Illinois, Nebraska, Iowa, Missouri, and Kansas p0196 N74-27789 [E74-10614]

Wheat: Its water use, production and disease detection and prediction --- Kansas [E74-10632] p0173 N74-27795 74-10632] Introduction --- MSS photography of winter wheat in p0173 N74-27796

ERTS-1 data collection systems used to predict wheat disease severities --- Riley County, Kansas [CONTRIB-1387] non

p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorgland soybean --- Kansas
[CONTRIB-1385] p0173 N74-27 r/0173 N74-27799

Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery --- Kansas Cop identification and acreage measurement utilizing ERTS imagery --- Kansas and South Dakota p0174 N74-28830

Design data collection with Skylab/EREP microwave Design data collection with Skylesy, and Kansas instrument S-193 --- Texas, Minnesota, and Kansas p0224 N74-28883

KENTUCKY

Applicability of Skylab remote sensing for detection and monitoring of surface mining activities --- Ohio, West Virginia, Pennsylvania, Indiana, Kentucky, and Illinois [E74-10465] p0194 N74-21990

LAKE CHAMPLAIN BASIN (NY-VT)

Environmental study of ERTS-1 imagery: Lake Champlain and Vermont p0183 N74-25842 [F74-10517]

LAKE ERIE

Infrared, radar, and optical applications of ERTS data
-- atmospheric effects in Colorado, lake ice surveillance, reactional land use. IFYGL (Lake Ontario), water quality monitoring, and oil pollution detection [E74-10497]

p0182 N74-22022 Cartographic evaluation of Skylab-A S-192 scanner

[E74-10538]

Evaluation of ERTS data for certain oceanographic uses ... precipitation of calcium carbonate in Lake Michigan, Lake Erie, and Lake Ontario p0202 N74-26864

[E74-10546] LAKE HURON

Terrain properties and topography from Skylab altimetry
--- Lake Michigan, Lake Huron, Iowa, and Texas p0191 N74-28847

[E74-10619] LAKE ICE

Infrared, radar, and optical applications of ERTS data --- atmospheric effects in Colorado, lake ice surveillance reactional land use, IFYGL (Lake Ontario), water quality monitoring, and oil pollution detection [F74-10497] p0182 N74-22022

A lake and sea ice experiment with Skylab microwave radiometry --- Lake Ontario and Gulf of St. Lawrence [E74-10616] p0210 N74-28845 The interdependence of lake ice and climate in central

North America --- Canada and United States [E74-10622] p0210 N74-28861

LAKE MICHIGAN

Determination of the earth's aerosol albedo using Skylab data --- Lake Michigan [E74-10478] p0213 N74-22002

Evaluation of ERTS data for certain oceanographic uses precipitation of calcium carbonate in Lake Michigan, Lake Erie, and Lake Ontario

p0202 N74-26864 Terrain properties and topography from Skylab altimetry Lake Michigan, Lake Huron, Iowa, and Texas [F74-10619]

p0191 N74-28847 LAKE ONTARIO

Infrared, radar, and optical applications of ERTS data - atmospheric effects in Colorado, lake ice surveillance, reactional land use, IFYGL (Lake Ontario), water quality monitoring, and oil pollution detection [E74-10497] DO182 N74-22022

Evaluation of ERTS data for certain oceanographic uses precipitation of calcium carbonate in Lake Michigan, Erie, and Lake Ontario

n0202 N74-26864 [E74-10546] A lake and sea ice experiment with Skylab microwave --- Lake Ontario and Gulf of St. Lawrence radiometry [E74-10616] p0210 N74-28845

LAKES Remote sensing and lake eutrophication

p0205 A74-37045 Remote sensing in sampling site location in lakes and streams --- water quality in Tennessee [P8-227846/3]

p0208 N74-26941 S190 interpretation techniques development and application to New York State water resources --- lake utrophication

p0208 N74-27779 Automatic classification of eutrophication of inland lakes from spacecraft data --- Oakland County, Michigan [E74-10580] p0209 N74-28823

LAND

Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-2

Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade E74-106061 p0209 N74-28839

SUBJECT INDEX **MAGNETOMETERS**

LAND MANAGEMENT Applications of remote sensing in resource management Crystal motion measurement by means of satellite Study of recreational land and open space using Skylab imagery --- Michigan [E74-10444] p0181 N74-21969 in Nebraska [NASA-CR-138602] techniques [NASA-TM-X-70632] p0228 N74-26875 p0195 N74-22965 First estimation of crop area statistics for the area of LAW (JURISPRUDENCE) Evaluate the potential of Skylab photographic and infrared Argentina photographed by Skylark SL 1181, using ground Oil pollution detection, monitoring and law enforcement - Gulf of Mexico and southern coast of California imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio [E74-10450] p0181 N74-21975 truth data [UR-RSP-1] [E74-10559] p0184 N74-27771 Preliminary assessments of crop types and land use in LEAD (METAL) the area of Argentina photographed by Skylark earth resources rocket SL 1181, using ground survey data and Relevance of ERTS to the State of Ohio The development of ground truth fo remotely sensed data pi p0181 N74-22007 [E74-10483] p0211 A74-34005 rocket photography Remote sensing as an aid for marsh management IASA-CR-138256] p0182 N74-22976 LEGAL LIABILITY p0172 N74-26929 Colloquium on the Law or oute.

Austria, October 8-15, 1972, Proceedings
p0225 A74-33598 (NASA-CR-138256) Delimitation of the cultivated and uncultivated areas of Study of recreational land and open space using Skylab imagery --- Michigan [E74-10529] p0183 N74-25847 Argentina photographed by Skylark SL 1181, using rocket photograpi note sensors /Systems NR-RSP-31 n0172 N74-26930 Remote sensing as an aid for marsh management: Preliminary results from Skylark earth resources rocket experiment in Argentina and Problems / --- international legal implication Lafouche parish, Louisiana --- aerial photography of p0225 A74-33599 NR-RSP-5]
Small scale land use mapping with radar imagery p0190 N74-27766 [UR-RSP-5] International legal aspects of earth resources satellites [NASA-CR-138775] n0208 N74-26912 p0225 A74-33600 Land use management in Minnesota Legal aspects of estimating, conserving, and developing [E74-10547] p0184 N74-27768 Land use management in Minnesota earth resources by means of spacecraft Cornell University remote sensing program --- selected p0184 N74-27768 p0225 A74-33601 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab)

New York State esource management p0228 N74-27806 research projects in land and water resou [NASA-CR-138749] p0 LESSER ANTILLES Remote detection of ocean features in the Lesser Antilles Utilizing ERTS imagery to detect plant diseases and using ERTS-1 data [E74-10602] [E74-10564] p0216 N74-27775 nutrient deficiencies, soil types and soil moisture levels nO203 N74-27785 The ERS satellite cost benefit study [PB-226777/1] [E74-10585] p0174 N74-28828 LIMNOLOGY 'B-226777/1] p0228 N74-27849 Relevance of ERTS to the State of Ohio --- environmental Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe. California-Nevada p0205 A74-30796 LAND USE Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 nonitoring, land use, and resources management [E74-10553] p0229 N74-28809 Comparison of four independent soil surveys by air-photo interpretation, Paphos area /Cyprus/ p0167 A74-30530 LINE SPECTRA Automatic classification of eutrophication of inland lakes Application of infrared line models in the detection of from spacecraft data --- Oakland County, Michigan Combined spectral and spatial processing of ERTS pagery data p0211 A74-30791 atmospheric pollutants [AIAA PAPER 74-651] [E74-10580] p0209 N74-28823 Urban and regional land use analysis: CARETS and imagery data nO180 A74-35906 Estimating population from photographically determined esidential land use types p0179 A74-30794 LITHOLOGY Census Cities experiment package --- Pennsylvania, New Jersey, Delaware, Maryland, Virginia, District of Columbia. residential land use types The Great Basin investigation --- geological structure and Land use mapping using ERTS multispectral imagery --of Munich and environs p0180 A74-35500 Washington, California [F74-10499] [E74-10581] p0184 N74-28824 nO193 N74-21959 Geologic information from satellite images --- geological Exploring options for the future: A study of growth in Boulder county. Volume 3: Environmental constraints and Land use in northern Megalopolis --- Connecticut [E74-10583] p0184 N74-28826 interpretation of ERTS-1 and Skylab multispectral photography of Rocky Mountain areas [E74-10507] Utilizing ERTS imagery to detect plant diseases and jutrient deficiencies, soil types and soil moisture levels p0195 N74-22954 [NASA-CR-138177] p0180 N74-21845 The Great Basin investigation --- lithology and geological Automated land-use mapping from spacecraft data ··· [E74-10585] p0174 N74-28828 structures Oakland County, Michigan Crop identification and acreage measurement utilizing [E74-10561] ERTS imagery --- Kansas and South Dakota [E74-10587] p0174 N74-28830 [E74-10440] nO188 N74-21965 LONG ISLAND (NY) Study of recreational land and open space using Skylab Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) -- Michigan Inventories of Delaware's coastal vegetation and land-use [E74-10444] p0181 N74-21969 utilizing digital processing of ERTS-1 imagery -- central and northern New York and Long Island p0185 N74-28832 Evaluate the potential of Skylab photographic and infrared [E74-10590] [E74-10644] p0185 N74-28877 imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio Planning applications in east central Florida LOUISIANA [E74-10623] p0230 N74-28862 Application of remote sensing data to coastal fish stock p0181 N74-21975 [E74-10450] Multidisciplinary study of Wyoming test sites --- hydrology, biology, geology, lithology, geothermal, and land p0199 A74-29022
Application of ERTS-1 data to the harvest model of the Skylab support --- recognition maps and crop acreage estimates for Michigan nenhaden fishery --- Gulf of Mexico p0226 N74-21976 [E74-10451] [E74-10624] p0230 N74-28863 [E74-10504] p0200 N74-22952 Application of multispectral photography to mineral and Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 Remote sensing as an aid for marsh management NASA-CR-138256] p0182 N74-22976 land resources of South Carolina --- Georg [E74-10464] p01 [NASA-CR-138256] p0193 N74-21989 Remote sensing as an aid to route evaluation for relocated Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay, CARETS and Thailand national programme of the Earth Resources Louisiana Highway 1 [NASA-CR-138770] p0183 N74-26910 Technology Satellite [E74-10631] Sediment transport and erosion in the Fourchon area of Lafourche parish --- south Louisiana [NASA-CR-138776] p0208 N74-26911 Maryland, and District of Columbia [E74-10473] p0230 N74-28867 p0181 N74-21997 Evaluation of Skylab imagery as an information service Investigation of environmental indices from the Earth for investigating land use and natural resources (Skylab) Resources Technology Satellite --- environmental trends in land use water quality, and air quality in Pennsylvania Remote sensing as an aid for marsh management: Lafouche parish, Louisiana --- aerial photography of - central and northern New York and Long Island [74-10644] p0185 N74-28877 p0181 N74-21999 [E74-10475] Louisiana Study of recreational land and open space using Skylab [NASA-CR-138775] Investigation of Skylab data --- agriculture crop acreage p0208 N74-26912 imagery [E74-10645] Remote sensing as an aid to route evaluation for relocated p0185 N74-28878 [E74-10477] p0168 N74-22001 Louisiana Highway 1 [NASA-CR-138748] Extracting land use information from the earth resources Relevance of ERTS to the State of Ohio p0184 N74-27805 technology satellite data by conventional interpretation 74-10483] p0181 N74-22007 Infrared, radar, and optical applications of ERTS data A study of the application of Skylab EREP data to agriculture in the Mississippi Delta alluvial plains region [E74-10648] p0175 N74-28881 [E74-10483] methods [NASA-TN-D-7730] nO217 N74-28896 --- atmospheric effects in Colorado, lake ice surveillance LANDFORMS reactional land use, IFYGL (Lake Ontario), water quality LOWER CALIFORNIA (MEXICO) A report on current activities and facilities in the field Correlation of remote sensing imagery of the coast of southern and Baja California with terrain analysis [AD-773598] p0213 N74-22085 monitoring, and oil pollution detection [E74-10497] p0182 N74-22022 remote sensing of earth resources Crop identification and acreage measurement utilizing fur-RSR-31 p0228 N74-26933 LUNAR EXPLORATION Evaluation of ERTS-1 imagery for mapping Quaternary ERTS imagery --- Idaho, Kansas, and South Dakota deposits and landforms in the Great Plains and Midwest
--- Illinois, Nebraska, Iowa, Missouri, and Kansas Colloquium on the Law of Outer Space, 15th, Vienna, Austria, October 8-15, 1972, Proceedings Research on the application of satellite remote sensing p0196 N74-27789 p0225 A74-33598 to local, state, regional and national programs involved with [F74-10614] LUNAR RANGEFINDING resource management and environmental quality LANDMARKS ASA-CR-138173] p0226 N74-22047 Wheat classification exercise, using 11 June 1973, ERTS [NASA-CR-138173] Marking ERTS images with a small m Geodesy and space --- earth, lunar and planetary surve from spacecraft p0187 A74-36384 p0211 A74-33068 MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 An analysis of the benefits and costs of an improved The application of space technology to practical problems М such as those currently facing the mountain sections of the State of Colorado crop acreage forecasting system utilizing earth resources satellite or aircraft information [PB-227361/3] p0169 N74-22770 [NASA-CR-138500] p0183 N74-25885 MAGNETIC ANOMALIES Ground magnetometer survey in the Valley of Ten To assess the value of satellite imagery in resource evaluation on a national scale --- South Africa [E74-10494] p0214 N74-25837 LASER OUTPUTS Determination of aerosol parameters of the atm Thousand Smokes, Alaska [NASA-CR-138779] p0196 N74-26907 by laser sounding from space p0219 A74-33306 MAGNETIC COILS Application of lasers in atmospheric probing Study of recreational land and open space using Skylab lagery --- Michigan A superconducting airbourne mineral detection system p0220 A74-33307 p0193 A74-35298 [E74-10529] Remote atmospheric sensing with an airborne laser pO183 N74-25847 MAGNETIC DIPOLES The application of space technology to practical problems absorption spectrometer p0221 A74-37476 Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 mountain sections of such as those currently facing the LASER RANGER/TRACKER Geodesy and space --- earth, lunar and planetary surveys [NASA-CR-138500] nO183 N74-25885 from spacecraft DO187 A74-36384 MAGNETOMETERS

Evaluation of Skylab imagery as an information service

p0183 N74-26863

for investigating land use and natural resources (Skylab)

[E74-10527]

LASERS

Applied solid state science: Advances in materials device research. Volume 4 --- Book p0220 A74-34

p0220 A74-34769

Ground magnetometer survey in the Valley of Ten Thousand Smokes, Alaska [NASA-CR-138779] p0196 N74-26907

A digital offset fluxgate magnetometer for use in remote	Sediment transport and erosion in the Fourchon area	MICHIGAN
geomagnetic observatories [AD-777885] p0223 N74-27896	of Lafourche parish south Louisiana [NASA-CR-138776] p0208 N74-26911	Automated land-use mapping from spacecraft data Caldand County, Michigan
MANAGEMENT PLANNING	Remote sensing as an aid for marsh management:	[E74-10440] p0188 N74-21965
Planning applications in east central Florida Brevard	Lafouche parish, Louisiana serial photography of	Study of recreational land and open space using Skylab
County [E74-10448] p0181 N74-21973	Louisiana	rmagery Michigan
Evaluate the potential of Skylab photographic and infrared	[NASA-CR-138775] p0208 N74-26912 MARYLAND	Skylab support recognition maps and crop acreage
imagery for environmental quality, agricultural and forestry,	Suspended solids analysis using ERTS-A data	estimates for Michigan
and geographic applications in the State of Ohio [E74-10450] pO181 N74-21975	p0179 A74-30797	[E74-10451] p0226 N74-21976
ERTS-1 data user investigation of the use of ERTS	Skylab A proposal aerotriangulation with very small scale	A technique for correcting ERTS data for solar and atmospheric effects Michigan test site
imagery in reservoir management and operation New	photography Durham, North Carolina to Cape May, New Jersey	[E74-10489] n0213 N74.22013
England	[E74-10459] p0221 N74-21984	Remote sensing of changes in morphology and physiology
[E74-10453] p0205 N74-21978 Relevance of ERTS to the State of Ohio	Urban and regional land use analysis: CARETS and	of trees under stress for detecting Fomes annosus
[E74-10483] p0181 N74-22007	Census Cities experiment package Chesapeake Bay,	[NASA-CH-138392] p0170 N74-22962 Study of recreational land and open space using Skylab
Application of remote sensors to army facility	Manyland, and District of Columbia [E74-10473] p0181 N74-21997	magery Michigan
management [AD-775407] p0182 N74-22621	Urban and regional land use analysis: CARETS and	[E74-10529] p0183 N74-25847 Skylab support
Use of ERTS-A, Skylab, and supporting aircraft to enhance	Census Cities experiment package Pennsylvania, New	[E74-10548] p0227 N74-25864
resource management	Jersey, Delaware, Maryland, Virginia, District of Columbia,	Wetlands mapping of Michigan from ERTS data
[E74-10498] p0170 N74-22949 Application of remote sensing to state and regional	Washington, California [E74-10581] pO184 N74-28824	[E74-10588] p0190 N74-27778
problems	MASSACHUSETTS	Investigation of Skylab data mapping of crops and forests in Michigan
[NASA-CR-138394] p0182 N74-22973	Microwave radiometer measurements of the Cape Cod	[E74-10594] p0216 N74-27780
Investigation of Skylab imagery for regional planning	Cenal p0199 A74-37395	Automatic classification of autrophication of inland lakes
[E74-10522] p0183 N74-25844 Planning applications in east central Florida	MATERIALS SCIENCE Applied solid state science: Advances in materials and	from spacecraft data Oakland County, Michigan [E74-10580] p0209 N74-28823
[E74-10623] p0230 N74-28862	device research. Volume 4 Book p0220 A74-34769	MICRODENSITOMETERS
MANITOU (CO)	MATHEMATICAL MODELS	Evaluation of ERTS-1 image sensor spatial resolution in
Inventory of forest and rangeland resources, including forest stress Black Hills, Manitou, Colorado, and Atlanta,	Clutter return from vegetated areas stochastic model	photographic form [E74-10484] p0221 N74-22008
Georgia	prediction p0167 A74-29046 Statistical properties of the background noise for the	MICROWAVE INTERFEROMETERS
[E74-10530] p0171 N74-25848	atmospheric windows in the intermediate infrared region	Synthetic interferometer radar for topographic mapping
Inventory of forest and rangeland and detection of forest stress Black Hills, Manitou, Colorado, and Atlanta,	pO219 A74-29856	pO187 A74-35133
Georgia test sites	Target image frequency spectrum in Doppler radars p0221 A74-37295	Use of radiometric measurements in the microwave band
[E74-10558] p0171 N74-25868	Optical modeling of agricultural fields and rough-textured	for spectral investigations of the earth's upper
MAPPING	rock and mineral surfaces	atmosphere p0220 A74-36675
Remote sensing program [NASA-CR-138135] p0226 N74-22026	[NASA-CR-134243] p0169 N74-22048	Microwave radiometer measurements of the Cape Cod Canal p0199 A74-37395
Floodplain mapping and planning for the 50 and 100	MEANDERS Power law time dependence of river flood decay and	Selection of boundary frequencies for an
year interval flood zones of the Bitterroot Valley, Montana	its relationship to long term discharge frequency distribution	intermediate-frequency amplifier in a superheterodyne
[PB-226082/6] p0207 N74-23030 Photogrammetry, remote sensing, cartography, mapping:	California p0210 N74-28859	radiometer in the millimeter and centimeter wavelength
A selected bibliography on literature available at the	MEASURING INSTRUMENTS A standard method for expressing instrumental	range p0221 A74-37520 Analysis of dielectric properties and noise temperature
TDCK p0227 N74-25836	performance p0178 A74-29711	of sea ice for microwave remote sensing applications
To assess the value of satellite imagery in resource evaluation on a national scale South Africa	MEGALOPOLISES	p0199 N74-21864
[E74-10494] p0214 N74-25837	Land use in northern Megalopolis Connecticut [E74-10583] p0184 N74-28826	A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab
Management of natural resources through automatic	MELTING PO104 N/4-28828	[E74-10454] p0200 N74-21979
cartographic inventory [E74-10518] p0189 N74-25843	Detecting melting snow and ice by visible and	Detection of moisture and moisture related phenomena
To assess the value of satellite photographs in resource	near-infrared measurements from satellites	from Skylab correlation of S-193 radiometer temperature and backscatter coefficient with soil moisture content
evaluation on a national scale Botswana	p0207 N74-25877 METEOROLOGICAL PARAMETERS	[E74-10540] p0171 N74-25858
[E74-10536] p0189 N74-25854	Variations of meteorology, pollutant emissions, and air	Design data collection with Skylab/EREP microwave
Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water	quality p0178 A74-29717	instrument S-193 [E74-10603] p0223 N74-27786
management in North Carolina	Microwave radiometer measurements of the Cape Cod Canal p0199 A74-37395	Satellite imagery and weather for the BESEX area, 15
[E74-10537] p0214 N74-25855	A joint meteorological, oceanographic and sensor	February - 10 March 1973
Cartographic evaluation of Skylab-A S-192 scanner	evaluation program for experiment S193 on Skylab	[NASA-TM-X-70692] p0203 N74-28072 Determination of sea surface conditions using Skylab
images [E74-10538] p0189 N74-25856	[E74-10454] p0200 N74-21979 A multi-sensor analysis of Nimbus 5 data on 22 January	L-band and Radscat passive microwave radiometers
Preliminary vegetation map of the Espenberg Peninsula.	1973 meteorological parameters	Amazon Basin
Alaska, based on an Earth Resources Technology Satellite	[NASA-TM-X-70633] p0221 N74-22115	[E74-10577] p0203 N74-28820
image [E74-10544] p0171 N74-25862	ERTS-1 data collection systems used to predict wheat disease severities Riley County, Kansas	Design data collection with skylab/EREP microwave instrument S-193
[E74-10544] p0171 N74-25862 A vegetation map of an area near Fairbanks, Alaska,	[CONTRIB-1387] p0173 N74-27797	[E74-10584] p0223 N74-28827
based on an ERTS image	Meteorological utility of high resolution multi-spectral	A lake and sea ice experiment with Skylab microwave
[E74-10545] pO171 N74-25863	data [E74-10635] p0224 N74-28869	radiometry Lake Ontario and Gulf of St. Lawrence [E74-10616] p0210 N74-28845
Skylab support [E74-10548] p0227 N74-25864	Meteorology and Hydrology No. 4, 1974 weather	Design data collection with Skylab/EREP microwave
[E74-10548] p0227 N74-25864 Investigation of Skylab data	and hydrological forecasting services in USSR	instrument S-193 [E74-10649] p0224 N74-28882
[E74-10549] p0215 N74-25865	[JPRS-62306] p0210 N74-29051 METEOROLOGICAL SATELLITES	[E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave
Applications of remote sensing data to the Alaskan	Satellite imagery and weather for the BESEX area, 15	instrument S-193 Texas, Minnesota, and Kansas
environment	February - 10 March 1973	[E74-10650] p0224 N74-28883
[NASA-CR-138512] p0201 N74-25884 Some illustrations of the advantages of improved	[NASA-TM-X-70692] p0203 N74-28072 Meteorological utility of high resolution multi-spectral	MICROWAVE SENSORS Radar measurement of soil moisture content
resolution in geologic studies photogeologic mapping	data	p0167 A74-29050
of Wyoming geologic structures	[E74-10635] p0224 N74-28869	MIGRATION
[E74-10628] pO198 N74-28864	METEOROLOGY	Utilization of Skylab (EREP) system for appraising
MARINE BIOLOGY Application of remote sensing for fishery resource	Spectroradiometric measurements of Lake Monroe, Indiana	changes in continental migratory bird habitat North America
assessment and monitoring analysis of fish catch relative	[E74-10472] p0206 N74-21996	[E74-10488] p0168 N74-22012
to water rips	A joint meteorological, oceanographic and sensor	Utilization of Skylab (EREP) system for appraising
[E74-10534] p0201 N74-25852	evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857	changes in continental migratory bird habitat
MARINE ENVIRONMENTS Application of remote sensing data to coastal fish stock	METHANE	[E74-10557] p0171 N74-26868
surveys p0199 A74-29022	The remote measurement of trace atmospheric species	Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat
Strategies for estimating the marine goold from altimeter	by correlation interferometry. 1 - Carbon monoxide and methane p0177 A74-29703	[E74-10555] p0172 N74-27769
data [NASA-TM-X-70637] p0188 N74-22058	Instrument to monitor CH4, CO, and CO2 auto exhaust	MINERAL DEPOSITS
[NASA-TM-X-70637] p0188 N74-22058 MARINE TECHNOLOGY	[PB-226438/0GA] p0182 N74-22132	Application of multispectral photography to mineral and land resources of South Carolina Georgia
Methodological plan for aerial seismic studies at sea and	MEXICO Correlation of remote sensing imagen, of the coast of	[E74-10464] p0193 N74-21989
in the open ocean	Correlation of remote sensing imagery of the coast of southern and Baja California with terrain analysis	Geologic and mineral and water resources investigations
[JPRS-62075] p0202 N74-26901	[AD-773598] p0213 N74-22085	in western Colorado, using Skylab EREP data
MARS (PLANET) Milwaukee Symposium on Automatic Control,	A study of early detection of insect infestations and	[E74-10487] p0194 N74-22011
Milwaukee, Wis., March 28-30, 1974, Proceedings	density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border	Iron-absorption band analysis for the discrimination of iron-rich zones Goldfield, Nevada
p0212 A74-38109	[E74-10601] p0174 N74-28836	[E74-10615] p0196 N74-27790
MARSHLANDS		
	S-193 impulse response cross correlation Oregon,	Mineral exploration potential of ERTS-1 data porphyry
Remote sensing as an aid for marsh management [NASA-CR-138256] p0182 N74-22976		Mineral exploration potential of ERTS-1 data porphyry copper deposits in Arizona [E74-10808] p0197 N74-28841

SUBJECT INDEX Evaluation of ERTS-1 data applications to geologic mapping, structural analysis and mineral resource inventory of South America with special emphasis on the Andes Mountain region --- Bolivia, Chile, and Peru [E74-10609] p0197 N74-28842 Theiland national programme of the Earth Resources
Technology Satellite
[E74-10631] p0230 N74-28867 MINERAL EXPLORATION A superconducting airbourne mineral detection syste p0193 A74-35298 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado --- hydrogeology and uranium exploration from ERTS-1 MSS photography [E74-10508] Mineral exploration potential of ERTS-1 data --- porphyry copper deposits in Arizona [E74-10608] nO197 N74-28841 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 MINERALS Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] p0169 N74-22046 The NASA earth resources spectral information system: A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 MINES (EXCAVATIONS) Geologic structure analysis using radar imagery of the coal mining area of Buchanan County, Va. [PB-228689/6] p0198 N74-28919 MINING The development of ground truth for correlation with remotely sensed data p0211 A74-34005 Small scale land use mapping with radar imager p0190 N74-27768 Land use management in Minnesota [E74-10547] nO184 N74-27768 Automatic photointerpretation for plant species and stress tification (ERTS-A1) [E74-10592] p0174 N74-28834 Design data collection with Skylab/EREP microwave instrument S-193 --- Texas, Minnesota, and Kansas [E74-10650] p0224 N74-28883 Marking ERTS images with a small mirror reflector

p0211 A74-33068

Application of remote sensing data to coastal fish stock A multi-sensor analysis of Nimbus 5 data on 22 January 1973 --- meteorological parameters [NASA-TM-X-70633] DO221 N74-22115

Application of remote sensing to state and regional [NASA-CR-138394] p0182 N74-22973

A study of the application of Skylab EREP data to agriculture in the Mississippi Delta alluvial plains region [E74-10848] MISSISSIPPI DELTA (LA) Application of ERTS-1 data to the harvest model of the US menhaden fishery --- Gulf of Mexico

[E/4-10504] p0200 N74-22952
A study of the application of Skylab EREP data to agriculture in the Mississippi Delta alluvial plains region [E74-10648] MISSISSIPPI RIVER (UR)

Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830

The development of ground truth for correlation remotely sensed data p0211 A74-34005
Evaluation of ERTS-1 imagery for mapping Quaternary deposits and landforms in the Great Plains and Midwest ... Illinois. Nebraska, lowa, Missouri, and Kansas [E74-10614]

MOISTURE CONTENT

Radar measurement of soil moisture content

p0167 A74-29050 Integrated measurement of soil moisture by use of radio

[PB-227242/5] p0170 N74-23031 Detection of moisture and moisture related phenomena from Skylab

[E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab --- correlation of S-193 radiometer temperature and backscatter coefficient with soil moisture content [£74-10540] p0171 N74-25658 MOISTURE METERS

integrated measurement of soil moisture by use of radio

[PB-227242/5] MOLECULAR ABSORPTION p0170 N74-23031

Use of radiometric measurements in the microwave band for spectral investigations of the the earth's upper p0220 A74-36675 atmosphere

Experiment to evaluate feasibility of utilizing Skylab-FRFP remote sensing data for tectonic analysis of the Bighorn Mountains region, Wyoming-Montana [E74-10455] p0193 N74-21980

Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [PB-226082/6] p0207 N74-23030

[P8-226082/6] p0207 N74-23030
A study to develop improved spacecraft show survey methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data ··· Siorra Nevadas in Celifornia, Cascades in Washington and Oregon, Upper Columbia Basin in Idaho and Montana, and Salt-Verde Watershed in Arizona [E74-10582] p0209 N74-28825

S-193 impulse response cross correlation --- Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885

MONTE CARLO METHOD

Comparison of some classification techniques p0211 A74-34438 MONTEREY BAY (CA)

Combined spectral and spatial processing of ERTS po211 A74-30791 imagery data MORPHOLOGY

Remote sensing of changes in morphology and physiology of trees under stress -[NASA-CR-138392] for detecting Fomes annosus p0170 N74-22982 MOUNTAINS

Thermal infrared imagery of The Burning Mountain coal nO193 A74-30798 Comparison of geological information obtained from satellite and aerial photographs and from ground investigations in the Tibesti Mountains /Chad/

An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using automatic data processing techniques --- Colorado, Utah, New Mexico, and Arizona

[E74-10439] p0212 N74-21964 The hydrologic significance of faults in the Great Smoky Mountains National Park

southern California

p0195 N74-25846 The application of space technology to practical probler such as those currently facing the mountain sections of the State of Colorado

[NASA-CR-138500] An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using automatic data processing techniques --- interpretation and mapping snow avalanche hazards and vegetation cover from ctral photography

p0215 N74-26862 An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using

omatic data processing techniques p0218 N74-28837 [E74-10604] An interdisciplinary enalysis of multispectral satellite data

for selected cover types in the Colorado Mountains, using automatic data processing techniques p0217 N74-28879 [E74-10646] MUD

The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado

[NASA-CR-138500] p0183 N74-25885 MULTISPECTRAL BAND CAMERAS
Overall evaluation of Skylab (EREP) images for

cartographic application [E74-10449] Experiment to evaluate feasibility of utilizing Skylab-EREP mote sensing data for tectonic analysis of the Bighorn

Mountains region, Wyoming-Montana [E74-10455] p0193 N74-21980 Skylab A proposal aerotriangulation with very small scale photography --- Durham, North Carolina to Cape May, New

[F74-10459] p0221 N74-21984 Quantitative determination of stratospheric aerosol

characteristics [E74-10550] p0222 N74-25866 New England reservoir management --- from Skylab and

serial photography IE74-10551)

MULTISPECTRAL BAND SCANNERS

Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592 Suspended solids analysis using ERTS-A data

p0179 A74-30797 Toward a methodical study of the environment --emphasizing remote sensing of earth resources in Brazil p0180 A74-31000

Scanning multispectrum system in an aircraft experime in earth resources studies p0220 A74-33904

Developing processing techniques for Skylab data [E74-10445] p0212 N74-2 p0212 N74-21970 Determination of aerosol content in the atmosphere from ERTS-1 data --- San Diego, California and Salton Sea

p0212 N74-21977 [E74-10452] Improvements in estimating proportions of objects from Itispactral data

[NASA-CR-134252] p0213 N74-22049

Estimation of sunlight penetration in the sea for remote [NASA-TM-X-70643] n0200 N74-22059

Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608

Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Application of ERTS-1 data to the harvest model of the

JS menhaden fishery --- Gulf of Mexico [E74-10504] p0200 N74-22952

Skylab S192 data evaluation: Comparisons with ERTS-1 results --- classification results using ERTS-1 and Skylab S data over Holt County, Nebraska agricultural area p0170 N74-22953 [E74-10506]

Detection of moisture and moisture related phenom from Skylab [E74-10511] p0170 N74-25838

Cartographic evaluation of Skylab-A S-192 scanner

[F74-10538] p0189 N74-25856 Reflectance of vegetation, soil, and water --- effects of measurable plant parameters on multispectral signal

JE74-105391 pO171 N74-25857

Skylab support [E74-10548] p0227 N74-25864 Quantitative determination of stratospheric serosol characteristics

[E74-10550] p0222 N74-25866 ASTEP use r's guide and software doc p0215 N74-26713 [NASA-CR-134303]

Developing processing techniques for Skylab data [£74-10512] 74-10512) p0215 N74-26856 Utilization of Skylab (EREP) system for appreising

changes in continental migratory bird habitat [E74-10557] p0171 p0171 N74-26866

[E74-10557] pO1/1 N/4-25000 Develop techniques and procedures, using multispectral systems, to identify from remotely sensed date the physical and thermal characteristics of plants and soil [E74-10556] p0172 N/4-27770

Developing processing techniques for Skylab data [E74-10563] p0216 N74-27774 S190 interpretation techniques development and

application to New York State water resources --- take [E74-10593] DO208 N74-27779

Remote detection of ocean features in the Lesser Antilles sing ERTS-1 data E74-106021

74-10602] p0203 N74-27785 Multispectral signatures in relation to ground control signature using nested sampling approach --- Califo [E74-10625] p0216 N74-27792

Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment
[NASA-TT-F-15683] p0228 N74-27870
Earth Resources Technology Satellite: Cumulative US

standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing NASA-TM-X-701271 00229 N74-28800

[NASA-1M-X-7012/]
Earth Resources Technology Setellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing [NASA-TM-X-70128] p0229 N74-28801

Relevance of ERTS to the State of Ohio --- environmental monitoring, land use, and resources management [E74-10553] p0229 N7 p0229 N74-28809

A cloud physics investigation utilizing ng Skylab data p0223 N74-28812 [E74-10567] A multilevel, multispectral data set analysis in the visible

and infrared wavelength regions --- south-central Indiana [E74-10571] p0223 N74-28815 Meteorological utility of high resolu

[E74-10835] D0224 N74-28889 Ocean water color assessment from ERTS-1 RBV and

MSS imagery [E74-10651] p0204 N74-28884

Multispectral scanning system in an aircraft experiment study the earth's resources p0224 N74-29056 p0224 N74-29056 MULTISPECTRAL PHOTOGRAPHY

note sensing of biosphere from space --- multispectral satellite observation of earth resources

p0167 A74-29004 Combined spectral and spatial processing of ERTS po211 A74-30791 imagery data ERTS-1 views an oil slick p0180 A74-30799

Application of space-oriented equipment in earth sources studies and in environmental control - An aircraft periment p0220 A74-33903

Comparison of geological information obtained from satellite and aerial photographs and from ground investigations in the Tibesti Mountains / Chad/

p0193 A74-35499 and use mapping using ERTS multispectral imagery ...
Munich and environs p0180 A74-35500

of Munich and environs Skylab/EREP application to ecological, geological and eanographic investigations of Delaware Bay 74-10437] p0199 N74-21962

[E74-10437] An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using automatic data processing techniques --- Colorado, Utah, w Mexico, and Arizona p0212 N74-21964

[E74-10439]

SUBJECT INDEX **NASA PROGRAMS** The Penn State ORSER system for processing and

n0216 N74-28817

p0191 N74-28821

analyzing ERTS and other MSS data [E74-10573]

The Great Basin investigation

[E74-10578]

ERTS-1 data user investigation of the use of ERTS

New England reservoir management --- from Skylab and

p0207 N74-25860

imagery in reservoir management and op [E74-10542]

aerial photography

Automated land-use mapping from spacecraft data ---

nO188 N74-21965

Oakland County, Michigan

[E74-10440]

Developing processing techniques for Skylab data
[E74-10445] p0212 N74-21970 Evaluation of usefulness of Skylab EREP; S-190 and DO207 N74-25867 [F74-10551] A study to develop improved spacecraft show survey S-192 imagery in multistage forest surveys --- Trinity Alps. methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data --- Sierra Nevadas in NEW JERSEY p0168 N74-21971 Overall evaluation of Skylab (EREP) images for ntographic application 74-10449 Skylab A proposal aerotriangulation with very small scale California, Cascades in Washington and Oregon, Upper Columbia Basin in Idaho and Montana, and Salt-Verde photography --- Durham, North Carolina to Cape May, New p0221 N74-21984 Watershed in Arizona p0188 N74-21974 Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay. Maryland, and District of Columbia [C74-10473] p0181 N74-21997 [E74-10449] [E74-10582] p0209 N74-28825 Skylab A proposal aerotriangulation with very small scale photography --- Durham, North Carolina to Cape May, New An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using automatic data processing techniques p0221 N74-21984 [E74-10604] p0216 N74-28837 Remote-sensing studies of hydrologic environments in Application of multispectral photography to mineral and S190 interpretation techniques development and the lower Raritan River System, New Jersey land resources of South Carolina --- Georgia p0207 N74-22972 application to New York State water resources
[E74-10605] p0209 N74-28838 [NASA-CR-138398] p0193 N74-21989 Urban and regional land use analysis: CARETS and Evaluation and comparison of ERTS measurements of Multispectral combination and display of ERTS-1 data - California p0217 N74-28854 Census Cities experiment package --- Pennsylvania, New Jersey, Delaware, Maryland, Virginia, District of Columbia, major crops and soil associations for selected test sites in the central United States --- Texas, Indiana, Kansas, Iowa. --- California Washington, California [E74-10581] Nebraska, and North Dakota Some findings on the applications of ERTS and Skylab p0184 N74-28824 p0168 N74-21998 agery for metropolitan land use analysis Preliminary results of fisheries investigation associated with Skylab-3 — remotely sensed distribution and abundance of gamefish in Gulf of Mexico p0185 N74-28866 [E74-10630] NEW MEXICO All-Digital precision processing of ERTS images [E74-10637] p0217 N74-28871 An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, u Study of recreational land and open space using Skylab [E74-10479] p0200 N74-22003 automatic data processing techniques --- Colorado, Utah, Evaluation of ERTS-1 image sensor spatial resolution in New Mexico, and Arizona imagery [E74-10645] p0185 N74-28878 [E74-10439] p0212 N74-21964 photographic form An interdisciplinary analysis of multispectral satellite data Detection of moisture and moisture related phenomena from Skylab --- infrared photography of Texas/New p0221 N74-22008 for selected cover types in the Colorado Mountains, using Develop techniques and procedures, using multispectral systems, to identify from remotely sensed data the physical and thermal characteristics of plants and soil --- southern automatic data processing techniques p0217 N74-28879 p0206 N74-22948 A study of the application of Skylab EREP data to **NEW YORK** [E74-10486] agriculture in the Mississippi Delta alluvial plains region [E74-10648] p0175 N74-28881 p0168 N74-22010 Detecting and monitoring oil slicks with aerial photos Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery --p0180 A74-33071 Current measurements in the Salton Sea using ERTS Environmental study of ERTS-1 imagery: Lake Champlain ittispectral_imagery [E74-10493] p0168 N74-22017 p0204 N74-28886 [E74-10653] [E74-10517] DO183 N74-25842 Use of base techniques for environmental resource studies. An aircraft experiment --- aircraft scientific equipment p0224 N74-29055 Infrared, radar, and optical applications of ERTS data --- atmospheric effects in Colorado, lake ice surveillance, reactional land use, IFYGL (Lake Ontario), water quality Investigation of Skylab imagery for regional planning [E74-10522] p0183 N74-25844 monitoring, and oil pollution detection [E74-10497] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) p0182 N74-22022 N New York State Study of atmospheric effects in Skylab data -[F74-10584] DO216 N74-27775 multispectral photography of Colorado mountain areas [E74-10505] p0213 N74-22025 S190 interpretation techniques development and NASA PROGRAMS p0213 N74-22025 pplication to New York State water resources --- lake Detection of earth resources by remote sensors /Systems and Problems/ --- international legal implications Study for a geoscientific aircraft measurement program p0227 N74-22070 p0208 N74-27779 p0225 A74-33599 [E74-10593] Remote sensing geophysics from Skylab Cornell University remote sensing program --- selected NASA authorization, 1975, part 3 p0222 N74-22950 [E74-10501] p0227 N74-23502 esearch projects in land and water resource management [GPO-31-032] Geologic information from satellite images --- geological p0228 N74-27806 [NASA-CR-138749] Annual report on the nation's progress in aeronautics interpretation of ERTS-1 and Skylab multispectral photography of Rocky Mountain areas [E74-10507] p0195 N74-22954 and space activities, 1973 [H-DOC-93-283] S190 interpretation techniques development and application to New York State water resources n0227 N74-26406 p0209 N74-28838 NEAR INFRARED RADIATION [E74-10605] Applicability of remote sensor data to geologic analysis Detecting melting snow and ice by visible and near-infrared measurements from satellites Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) of the Bonanza test site Colorado --- hydrogeology and uranium exploration from ERTS-1 MSS photography [E74-10508] p0195 N74-22955 p0207 N74-25877 -- central and northern New York and Long Island NEBRASKA [E74-10644] p0185 N74-28877 New uses of shadow enhancement --- interpretation of Evaluation and comparison of ERTS measurements of NIGER major crops and soil associations for selected test sites in the central United States --- Texas, Indiana, Kansas, Iowa, Nebraska, and North Dakota [E74-10474] geologic structures from photographic or scanner imagery Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10509] p0214 N74-22956 [E74-10442] p0181 N74-21967 An evaluation of multiband photography for rock discrimination --- sedimentary rocks of Front Range, [E74-10474] pD106 N74-21336 Skylab 5192 data evaluation: Comparisons with ERTS-1 results --- classification results using ERTS-1 and Skylab MSS data over Holt County, Nebraska agricultural area [E74-10506] pd170 N74-22953 NIMBUS SATELLITES Statistical interpretation of pollution data from satellites for levels distribution over metropolitan area p0180 A74-37844 pO195 N74-22957 [E74-10510] [AIAA PAPER 74-852] To assess the value of satellite imagery in resource NIMBUS 5 SATELLITE Applications of remote sensing in resource management Nebraska evaluation on a national scale --- South Africa [E74-10494] p0214 A multi-sensor analysis of Nimbus 5 data on 22 January 1973 --- meteorological parameters p0214 N74-25837 [NASA-CR-138602] p0228 N74-26875 [NASA-TM-X-70633] p0221 N74-22115 Management of natural resources through automatic Evaluation of ERTS-1 imagery for mapping Quaternary deposits and landforms in the Great Plains and Midwest cartographic inventory NITROGEN DIOXIDE p0189 N74-25843 [E74-10518] The application of the Correlation Spectrometer to - Illinois, Nebraska, Iowa, Missouri, and Kansas Investigation of Skylab imagery for regional planning p0196 N74-27789 ambient air quality and source emissions [E74-10614] p0178 A74-29712 [E74-10523] p0183 N74-26861 NEVADA Limnological studies and remote sensing of the Upper ruckee River sediment plume in Lake Tahoe, An interdisciplinary analysis of multispectral satellite data Calibrated remote measurement of NO2 using the differential-absorption backscatter technique p0179 A74-30685 for selected cover types in the Colorado Mountains, using automatic data processing techniques --- interpretation and Truckee River sediment plume in Lake Tahoe,
California-Nevada p0205 A74-30796 Canionna-nevada po205 A74-30798 Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- Cascades, Sierra Nevadas, and Great Plains [E74-10478] p0206 N74-22000 mapping snow avalanche hazards and vegetation cover from NOAA SATELLITES An evaluation of May 1971 satellite-derived sea surface emperatures for the Southern Hemisphere --- using NOAA ispectral photography p0215 N74-26862 [E74-10524] Evaluation of Skylab imagery as an information service 1 satellite p0201 N74-25870 investigating land use and natural resources (Skylab) Remote sensing geophysics from Skylah --- rock [NOAA-TR-NESS-69] [E74-10527] p0183 N74-26863 discrimination and geothermal heat source detection in Southern California and Nevada A 2 SATELLITE
New dimensions in satellite hydrology
p0205 A74-33957 NOAA 2 SATELLITE Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- mapping snow cover in Cascades, Sierra Nevada, and Great Plains [E74-10480] nO194 N74-22004 sing geophysics from Skylab --- Southern Remote se NOISE TEMPERATURE DISE TEMPERATURE
Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength p0221 A74-37520 p0208 N74-27773 [E74-10562] California and Nevada p0194 N74-22006 Evaluation of Skylab imagery as an information service Study of arcuate structural trends in Utah and Nevada using ERTS-1 imagery
[E74-10526] p0195 N74-25845 for investigating land use and natural resources (Skylab) - New York State [E74-10564] p0216 N74-27775 Analysis of dielectric properties and noise temperature fron-absorption band analysis for the discrimination of of sea ice for microwave remote sensing applications p0199 N74-21864 Wetlands mapping of Michigan from ERTS data -rich zones --- Goldfield, Nevada p0190 N74-27778 [F74-10588] [E74-10615] DO196 N74-27790 ERTS image data compression technique evaluation [E74-10627] p0216 N74-27794 NORTH AMERICA NEW ENGLAND (US)
ERTS-1 data user investigation of the use of ERTS The remote measurement of trace atmospheric species Introduction --- MSS photography of winter wheat in p0173 N74-27796 by correlation interferometry. I - Carbon monoxide and imagery in reservoir management and operation --- New p0177 A74-29703 England [E74-10453] Study to develop improved spacecraft snow survey methods using Skylab/EREP data ··· Cascades, Sierra Newadas, and Great Plains [E74-10476] p0206 N74-22000 DO205 N74-21978 Applicability of Skylab remote sensing for detection and The use of ERTS imagery in reservoir management and monitoring of surface mining activities --- Ohio, West Virginia, and Pennsylvania operation [E74-10485] p0206 N74-22009

[E74-10572]

p0197 N74-28816

[E74-10488]

[E74-10502]

characteristics

IF74-105951

[E74-10614]

[E74-10622]

Jersey [E74-10459]

[E74-10460]

North Carolina

North Carolina [E74.10611]

NORTH DAKOTA

Nebraska, and North Dakota

NORTH CAROLINA

Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat --- North

The application of ERTS imagery to monitoring Arctic sea ice --- mapping ice in Bering Sea, Beaufort Sea, Canadian Archipelago, and Greenland Sea

Geologic information from satellite images --- geological interpretation of ERTS-1 and Skylab multispectral photography of Rocky Mountain areas [E74-10507] p0195 N74-22954

Investigations performed on the Arctic ice dynamics joint

Identification and interpretation of tectonic features from

Study to develop improved spacecraft snow survey

methods using Skylab/EREP data --- mapping snow cover in Cascades, Sierra Nevada, and Great Plains

Ground pattern analysis in the Great Plains --- pattern recognition and mapping of areal geology in Kansas

Evaluation of ERTS-1 imagery for mapping Quaternary deposits and landforms in the Great Plains and Midwest

, Nebraska, Iowa, Missouri, and Kansas

North America --- Canada and United States

[74-10614] p0196 N74-27789 The interdependence of lake ice and climate in central

Skylab A proposal aerotriangulation with very small scale

photography --- Durham, North Carolina to Cape May, New

The hydrologic significance of faults in the Great Smoky lountains National Park

Utilization of EREP data in geological evaluation, region planning, forest management, and water management in

An ERTS-1 study of coastal features on the North Carolina

DO201 N74-25839 Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water management in North Carolina [E74-10537]

regional planning, forest management, and water management in North Carolina
[E74-10519] p0215 N74-26858

Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in

Evaluation and comparison of ERTS measurements of najor crops and soil associations for selected test sites in the central United States --- Texas, Indiana, Kansas, Iowa,

74-10537] p0214 N74-25855 Utilization of ERTS-A data in geological evaluation,

ERTS-1 imagery --- Coastal Ranges of California [E74-10520] p0195 N

experiment, March 1971 --- Beaufort Sea ice pack

p0168 N74-22012

p0200 N74-22951

p0195 N74-22954

p0201 N74-23020

p0195 N74-26859

p0208 N74-27773

p0190 N74-27781

p0210 N74-28861

p0221 N74-21984

n0205 N74-21985

p0226 N74-21988

p0228 N74-27787

p0168 N74-21998

OCEANS

0

OCEAN CURRENTS Remote sensing of ocean current boundary laver --- Gulf Loon Current p0200 N74-21968 Correlation of coastal water turbidity and circulation with

ERTS-1 and Skylab imagery [E74-10532] p0201 N74-25850

Application of remote sensing for fishery resource assessment and monitoring --- analysis of fish catch relative to water rips

p0201 N74-25852 [E74-10534] 74-10534]
Remote sensing of ocean current boundary layer
74-105351 p0201 N74-25853 [E74-10535]

Remote sensing of ocean current boundary layer ---Florida Straits

[F74-10633] p0203 N74-27801 OCEAN MODELS

Application of remote sensing for fishery resource assessment and monitoring --- analysis of fish catch relative to water rips [E74-10534]

p0201 N74-25852 OCEAN SURFACE Sea backscatter at HF - Interpretation and utilization of

p0199 A74-35124 Tests of remote skywave measurement of ocean surface Target image frequency spectrum in Donnler radars

p0221 A74-37295 An evaluation of May 1971 satellite-derived sea su temperatures for the Southern Hemisphere --- using NOAA 1 satellite

[NOAA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperatu sensing in the 11-13 micron window regic [NASA-TM-X-70649]

p0201 N74-25888

Basic research and data analysis for the National Geodetic Satellite Program and for the Earth and Ocean Physics Application Program [NASA-CR-138671] p0190 N74-26869

Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite altimetry [NASA-TM-X-70670] nO202 N74-26918

Remote detection of ocean features in using ERTS-1 data
[E74-10602]

74-10602] p0203 N74-27785 Determining the geometric characteristics of a sea surface by the signal scattered from it [AD-777436] p0203 N74-27837

Determination of sea surface conditions using Skylab L-band and Radscat passive microwave radiometers ... [E74-10577] p0203 N74-28820

OCEANOGRAPHIC PARAMETERS

Microwave radiometer measurements of the Cape Cod Canal p0199 A74-37395
A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [F74-10454]

74-10454] p0200 N74-21979 Application of remote sensing for fishery resource [F74-10454]

assessment and monitoring --- white marlin distribution in Gulf of Mexico [E74-10461] p0200 N74-21986 Application of remote sensing for fishery re

assessment and monitoring --- analysis of fish catch relative to water rips p0201 N74-25852 [E74-10534]

Evaluation of ERTS data for certain oceanographic uses - precipitation of calcium carbonate in Lake Michigan. Lake Erie, and Lake Ontario [E74-10546] p0202 N74-26864

OCEANOGRAPHY

Application of remote sensing data to coastal fish stock surveys n0199 A74-29022 Skylab/EREP application to ecological, geological and oceanographic investigations of Delaware Bay [F74-10437]

74-10437]
Study for a geoscientific aircraft measurement program p0227 N74-22070

Calibration and evaluation of Skylab altimetry for geodetic etermination of the geoid [E74-10533] nO189 N74-25851

Applications of remote sensing data to the Alaskan environment

[NASA-CR-138512] p0201 N74-25884 A joint meteorological, oceanographic and sensor evaluation program for experiment \$193 on Skylab

p0223 N74-26857 Basic research and data analysis for the National Geodetic

Satellite Program and for the Earth and Ocean Physics Application Program [NASA-CR-138671] n0190 N74-26869 Methodological plan for aerial seismic studies at sea and

in the open ocean p0202 N74-26901 A feasibility study for the remote measurement of

underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-26952 The circulation of Prince William Sound [E74-10575] p0203 N74-28819

A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001

Evaluate the potential of Skylab photographic and infrared imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio p0181 N74-21975 [F74-10450]

Applicability of Skylab remote sensing for detection and monitoring of surface mining activities --- Ohio, West Virginia, Pennsylvania, Indiana, Kentucky, and Illinois [E74-10465] p0194 N74-21990 . p0194 N74-21990 Relevance of ERTS to the State of Ohio 74-10483]

p0181 N74-22007 Automated strip-mine and reclamation mapping from FRTS

[E74-10490] p0194 N74-22014 Relevance of ERTS to the State of Ohio --- environmental

monitoring, land use, and resources management [E74-10553] p0229 N74-28809 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities --- Ohio, West

Virginia, and Pennsylvania [E74-10572] p0197 N74-28816

Relevance of ERTS-1 to the State of Ohio --environmental monitoring and resources management
[E74-10641] p0230 N74-28875 OIL SLICKS

An airborne laser fluorosensor for the detection of oil n water p0179 A74-29724 on water ERTS-1 views an oil slick p0180 A74-30799 Detecting and monitoring oil slicks with aerial photos p0180 A74-33071

Infrared, radar, and optical applications of ERTS data -- atmospheric effects in Colorado, lake ice surveillance reactional land use, IFYGL (Lake Ontario), water quality itoring, and oil pollution detection

[E74-10497] p0182 N74-22022 Arial detection of spill sources

n0184 N74-26940

[PB-228105/3]

S-193 impulse response cross correlation --- Oragon, Colorado, Montana, Texas, Gulf Coast, and Mexico p0191 N74-28885

OVER-THE-HORIZON RADAR

Sea backscatter at HF - Interpretation and utilization of echo p0199 A74-35124 the echo Tests of remote skywave measurement of ocean surface enditions p0199 A74-35125 conditions

OXYGEN

Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720

P

PACIFIC OCEAN

[NASA-TM-X-71577]

An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere --- using NOAA satellite INDAA.TR.NESS.RGI p0201 N74-25870

PALO VERDE VALLEY (CA)

Evaluation of remote sensing in control of pink bollworm in cotton --- Imperial Valley, Coachella Valley, and Palo Verde Valley, California

(E74-10503) PANORAMIC SCANNING p0169 N74-22024 Cartographic evaluation of Skylab-A S-192 scanner

images [E74-10538] pO189 N74-25856

PARTICLE DENSITY (CONCENTRATION) In situ measurement of particulate number density and size distribution from an aircraft

p0185 N74-28936

PARTICLE SIZE DISTRIBUTION In situ measurement of particulate number density and size distribution from an aircraft [NASA-TM-X-71577] p0185 N74-28938 PARTICLES Evaluation of a high volume cascade particle impact --- sampling conditions for environmental [BNWL-SA-4677] p0181 N74-21901 PARTICULATE SAMPLING In situ measurement of particulate number density and distribution from an aircraft [NASA-TM-X-71577] nO185 N74-28936 PATTERN RECOGNITION Mitwaukee Symposium on Automatic Control. Milwaukee, Wis., March 28-30, 1974, Proceeding p0212 A74-36109 Skylab support ··· recognition maps and crop acreage estimates for Michigan p0226 N74-21976 Ground pattern analysis in the Great Plains --- mapping surficial geology and physiography of Kansas p0212 N74-21982 [E74-10457] Agricultural interpretation technique development --- crop identification in Fresno County, California [E74-10491] p0 p0168 N74-22015 Post-analysis report on Chesapeake Bay data processing spectral analysis and recognition computer signature [NASA-CR-137461] p0215 N74-26899 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) --- New York State p0216 N74-27775 [E74-10564] Ground pattern analysis in the Great Plains --- pattern recognition and mapping of areal geology [E74-10595] p0 p0190 N74-27781 Separation of manmade and natural patterns in high altitude imagery of agricultural areas --- digital filtering p0174 N74-28855 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) central and northern New York and Long Island p0185 N74-28877 PENETRATION Estimation of sunlight penetration in the sea for remote [NASA-TM-X-70643] p0200 N74-22059 PENNSYLVANIA Applicability of Skylab remote sensing for detection ar Virginia, Pennsylvania, Indiana, Kentucky, and Illinois [E74-10465] monitoring of surface mining activities --- Ohio, West p0194 N74-21990 Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay. and, and District of Columbia p0181 N74-21997 [E74-10473] Investigation of environmental indices from the Earth Resources Technology Satellite --- environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] p0181 N74-21999 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities --- Ohio, West Virginia, and Pennsylvania [E74-10572] p0197 N74-28816 The Penn State ORSER system for processing and analyzing ERTS and other MSS data p0216 N74-28817 [E74-10573] Urban and regional land use analysis: CARETS and Census Cities experiment package --- Pennsylvania, New Jersey, Delaware, Maryland, Virginia, District of Columbia, noton, California p0184 N74-28824 PERFORMANCE TESTS Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592 EVALUATION OF ERTS-1 data applications to geologic mapping, structural analysis and mineral resource inventory of South America with special emphasis on the Andes Mountain region --- Bolivia, Chile, and Peru [E74-10609] PHOENIX (AZ) Some findings on the applications of ERTS and Skylab magery for metropolitan land use analysis [E74-10630] p0185 N74-28866

[E74-10518] A comparison of black-and-white, color and infrared photographs for geological interpretation at Witvlei, South West Africa p0211 A74-30793 Thermal infrared imagery of The Burning Mountain coal p0193 A74-30798

An evaluation of multiband photography for rock PHOTOMAPPING discrimination --- sedimentary rocks of Front Range, Experiments Colorado [E74-10510] nO195 N74-22957 Evaluation of ERTS-1 data applications to geologic mapping, structural analysis and mineral resource inventory of South America with special emphasis on the Andes Mountain region --- Bolivia, Chile, and Peru pO197 N74-28842 Some illustrations of the advantages of improved resolution in geologic studies --- photogeologic mapping of Wyoming geologic structures [E74-10628] p0198 N74-28864 **PHOTOGRAMMETRY** Photogrammetry, remote sensing, cartography, mapping: A selected bibliography on literature available at the p0227 N74-25836 Holographic stereogram display techniques for the iewing and mensuration of stereo photogrammetric (AD-778790) nO191 N74-28924 PHOTOGRAPHIC PROCESSING Extraction of the difference between t n two images p0211 A74-35492 Investigation of Skylab imagery for application to thematic mapping [E74-10496] p0188 N74-22021 PHOTOGRAPHIC RECORDING A comparison of black-and-white, color and infrared photographs for geological interpretation at Witvlei, South p0211 A74-30793 Extraction of the difference between two images p0211 A74-35492 **PHOTOINTERPRETATION** Detection of water pollution sources with aerial imaging p0178 A74-29708 sensors Comparison of four independent soil surveys by air-photo interpretation, Paphos area /Cyprus, Combined spectral and spatial processing of ERTS imagery data po211 A74-30791 A comparison of black-and-white, color and infrared photographs for geological interpretation at Witvlei. South p0211 A74-30793 Estimating population from photographically determine Estimating population from photographically determined sidential land use types p0179 A74-30794 Experiments in complex interpretation of aerial hotographs p0187 A74-32475 residential land use types photographs Cloud cover effect during earth surface feature identification by visual and photographic observations from p0187 A74-33906 Optimal interpolation of two dimensional signal --- using least mean square error criterion for sampled image p0212 A74-36113 Photometry of the planet earth from Zond space p0187 A74-36376 Overall evaluation of Skylab (EREP) images for cartographic application p0188 N74-21974 [E74-10449] New uses of shadow enhancement -- interpretation of peologic structures from photographic or scanner imagery p0214 N74-22956 [E74-10509] Management of natural resources through automatic

cartographic inventory p0189 N74-25843 To assess the value of satellite photographs in resource

evaluation on a national scale --- Botswana [E74-10536] n0189 N74-25854 Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water management in North Carolina [E74-10537]

Identification and interpretation of tectonic features from ERTS-1 imagery --- Coastal Ranges of California [E74-10520] p0195 N74-26859

An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using automatic data processing techniques --- interpretation and mapping snow avalanche hazards and vegetation cover from multispectral photography p0215 N74-26862 [E74-10524]

The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets p0215 N74-26931 [UR-RSP-4]

Application of space techniques to natural resources study and environmental monitoring: An aircraft experi [NASA-TT-F-15683] p0228 N74-2 p0228 N74-27870 The Penn State ORSER system for processing and analyzing ERTS and other MSS data

[E74-10573] p0216 N74-28817 A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation --- Colorado

nd Northern Great Valley of California p0174 N74-28829 [E74-10586] Automatic photointerpretation for plant species and stress dentification (ERTS-A1)

p0174 N74-28834 [E74-10592] S190 interpretation techniques oplication to New York State water r development and n to New York State water resou

p0209 N74-28838 [E74-10605] Extracting land use information from the earth resources technology satellite data by conventional interpretation [NASA-TN-D-7730] p0217 N74-28896

in complex interpretation of aerial p0187 A74-32475 photographs Land use mapping using ERTS multispectral imagery --Munich and environs p0180 A74-35500 Analytic rectification for the compilation of topographic maps and photomaps in a given projection p0187 A74-36382

Photographic experiments during space flights of several vs duration p0188 A74-36386 days duration p0188 A74-36386
Automated land-use mapping from spacecraft data ---Oakland County, Michigan

[E74-10440] 74-10440] p0188 N74-21965 Overall evaluation of Skylab (EREP) images for rtographic application [E74-10449] p0188 N74-21974

Skylab support --- recognition maps and crop acreage estimates for Michigan [E74-10451] p0226 N74-21976 Ground pattern analysis in the Great Plains ... mapping

surficial geology and physiography of Kansa [E74-10457] p021 p0212 N74-21982 The hydrologic significance of faults in the Great Smoky

Mountains National Park [E74-10460] n0205 N74-21985

Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade , Washington and Tweedsmuir Glacier, Alaska 10469] p0206 N74-21994 The cartographic application of ERTS/RBV imagery in

polar regions --- Antarctica [E74-10470] DO188 N74-21995 Study to develop improved spacecraft snow survey methods using Skylab/EREP data ··· Cascades, Sierra Nevadas, and Great Plains

p0206 N74-22000 Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery ...

Wyoming [E74-10493] p0168 N74-22017 Aerial analytical triangulation --- cost analysis of aerial

otography for mapping applications nO189 N74-23032 [PR-227276/3] Infrared radiometer for geological mapping ··· mapping of earth infrared radiation distribution

[AD-776888] p0222 N74-25913 Delimitation of the cultivated and uncultivated areas Argentina photographed by Skylark SL 1181, using rocket

A report on current activities and facilities in the field of remote sensing of earth resources

p0228 N74-26933 [UR-RSR-3] Remote sensing in sampling site location in lakes and - water quality in Tennessee

n0208 N74-26941 [PB-227846/3] Study to develop improved spacecraft snow survey ethods using Skylab/EREP data --- mapping snow cover Cascades, Sierra Nevada, and Great Plains

p0208 N74-27773 [E74-10562] Wetlands mapping of Michigan from ERTS data

p0190 N74-27778 [F74-10588] Investigation of Skylab data --- mapping of crops and Michigan [E74-10594] p0216 N74-27780

Ground pattern analysis in the Great Plains --- pattern ition and mapping of areal geology in Kansas

p0190 N74-27781 [E74-10595] Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform --- mapping

exposed silicate rocks and exposed iron compounds near gah Crater, California [E74-10596] DO196 N74-27782 Evaluation of ERTS-1 imagery for mapping Quaternary deposits and landforms in the Great Plains and Midwest

Illinois, Nebraska, Iowa, Missouri, and Kansas [E74-10614]

Evaluation of feasibility of mapping seismically active faults in Alaska nO197 N74-28818

[E74-10574] Land use in northern Megalopolis --- Connecticut

[E74-10583] p0184 N74-28826 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade

Mountains [E74-10606] n0209 N74-28839 Application of remote sensing in the study of vegetation

and soils in Idaho [E74-10618] p0174 N74-28846

PHOTOMAPS

Establishing an automated system for process control of aerial photogeodesic and cartographic production p0187 A74-31445

Remote sensing report, San Francisco Bay Area, April -July 1972, volume 2 --- water pollution mapping [PB-227835/6] p0184 N74-26943

Key to location of rocket imagery, aircraft traverses, ground truth and available maps for the Argentinian Skylarks p0215 N74-26955 (UR-RSR-1)

PHYSICAL PROPERTIES

Monitoring physical and chemical parameters of Delaware Bay waters with an ERTS-1 data collection platform p0202 N74-27777 [E74-10566]

[E74-10508]

[E74-10630]

PHOTOGEOLOGY

Geologic information from satellite images --- geological interpretation of ERTS-1 and Skylab multispectral

Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado --- hydrogeology and

uranium exploration from ERTS-1 MSS photography

y of Rocky Mountain areas 7] p0195 N74-22954

p0195 N74-22955

SUBJECT INDI
PLANTS (BOTANY An interdisciplin
for selected cover automatic data pr New Mexico, and
[E74-10439] Develop technic
systems, to identif and thermal chara Texas
(E74-10486) Reflectance of measurable plan
variations [E74-10539]
Preliminary veg Alaska, based on image
[E74-10544]
A vegetation in based on an ERTS [E74-10545] Develop technic
Develop technic systems, to identif and thermal chara [E74-10556]
A study of ear
density/distributio of Texas [E74-10560] Utilizing ERTS
nutrient deficienci [E74-10585]
Automatic photo identification (ERT [E74-10592]
A study of the density/distributio [E74-10600]
Utilizing ERTS nutrient deficiencie Tennessee
[E74-10629] A study of ea
density/distributio of Texas [E74-10638]
A study of the e density/distribution of Texas
[E74-10639]
A study of the e density/distribution [E74-10642] POINTING CONTRE
Instrumentation mechanisms in a p
angular deviation i [AIAA PAPER 74- POLLUTION CONT
Analysis of lase using diffuse reflect Coast Guard Ai
coastal water police POLLUTION MONIT
Air pollution - Re with a laser hetero Joint Conference
2nd, Washington Proceedings Ultra narrow bar
Further develop
remote sensing air Detection of wa sensors
Standard method data for environme A standard n
performance The application of of stationary source
An airborne las on water
Calibrated remo differential-absorpt

5	SUBJECT INDEX	٠
	LANTS (BOTANY)	
_	An interdisciplinary analysis of multi- for selected cover types in the Colora	do Mountains, using
	automatic data processing techniques New Mexico, and Arizona	
	[E74-10439] Develop techniques and procedures	p0212 N74-21964
	systems, to identify from remotely sent and thermal characteristics of plants a Texas	sed data the physical
	[E74-10486]	p0168 N74-22010
	Reflectance of vegetation, soil, and measurable plant parameters on variations [574, 105.20]	multispectral signal
	[E74-10539] Preliminary vegetation map of the E	pO171 N74-25857 spenberg Peninsula.
	Alaska, based on an Earth Resources image	Technology Satellite
	[E74-10544]	pO171 N74-25862
	A vegetation map of an area nea based on an ERTS image	r Fairbanks, Alaska,
	[E74-10545] Develop techniques and procedures	p0171 N74-25863
	systems, to identify from remotely sens and thermal characteristics of plants a	sed data the physical and soil
	[E74-10556] A study of early detection of inse	pO172 N74-27770 ct infestations and
	density/distribution of host plants of Texas [E74-10560]	Rio Grande Valley p0173 N74-28811
	Utilizing ERTS imagery to detect	plant diseases and
	nutrient deficiencies, soil types and	soil moisture levels p0174 N74-28828
	Automatic photointerpretation for pla identification (ERTS-A1)	
	[E74-10592] A study of the early detection of ins	p0174 N74-28834 sect infestations and
	A study of the early detection of ins density/distribution of host plants - [E74-10600]	citrus fruit trees p0174 N74-28835
	Utilizing ERTS imagery to detect	plant diseases and
		p0174 N74-28865
	A study of early detection of insidensity/distribution of host plants of Texas	
	[E74-10638]	p0175 N74-28872
	A study of the early detection of ins density/distribution of host plants of Texas	
	[E74-10639]	p0175 N74-28873
	A study of the early detection of ins density/distribution of host plants	
•	[E74-10642] DINTING CONTROL SYSTEMS	p0175 N74-28876
	Instrumentation techniques for adv mechanisms in a passive seismic enviro	anced fine-pointing
	angular deviation measurement	
٠,	[AIAA PAPER 74-872] DLLUTION CONTROL	p0221 A74-37858
	Analysis of laser differential absorp- using diffuse reflection from the earth	tion remote sensing
	Coast Guard Airborne Remote Sen	sing System for
	coastal water pollution monitoring DLLUTION MONITORING Air pollution - Remote detection of ser	p0179 A74-29723
	with a laser heterodyne radiometer	pO177 A74-28550
	Joint Conference on Sensing of Environged, Washington, D.C., December Proceedings	onmental Pollutants, or 10-12, 1973, p0177 A74-29701
	Ultra narrow band infrared filter radi	

oments in correlation spectroscopy for p0177 A74-29705 ter pollution sources with aerial imaging DO178 A74-29708 ds for analysis and interpretation of Lidar ental monitoring p0178 A74-29709 nethod for

essing instrumental p0178 A74-29711 of electro-optical techniques to sensie poliutants er fluorosensor for the detection of oil p0179 A74-29724 te measurement of NO2 using the

ion backscatter techniq

p0179 A74-30685 Suspended solids analysis using ERTS-A data p0179 A74-30797 ERTS-1 views an oil slick p0180 A74-30799 Measurement of air pollutants from satellites

Feasibility considerations p0180 A74-31870 Detecting and monitoring oil slicks with aerial photos nO180 A74-33071

Application of infrared line models in the detection of atmospheric pollutants p0180 A74-35906 [AIAA PAPER 74-651]

Statistical interpretation of pollution data from satellites for levels distribution over metropolitan area [AIAA PAPER 74-852] p0180 A74-37844

Artificial earth satellites investigate the environment --satellite-borne photography of pollution sources
[NASA-TT-F-15409] p0184 M p0184 N74-27391 **POPULATIONS**

Estimating population from photographically determined residential land use types p0179 A74-30794 POSITION (LOCATION)

Complex of programs for com notographic points on electronic computers using results eodesic measurements p0190 N74-25905

[AD-776104] Remote sensing as an aid to route evaluation for relocated Louisiana Highwa

p0183 N74-26910 POTOMAC RIVER VALLEY (MD-VA-WV) Suspended solids analysis using ERTS-A data

PRECIPITATION (CHEMISTRY)

Evaluation of ERTS data for certain oceanographic uses precipitation of calcium carbonate in Lake Michigan, Lake Erie, and Lake Ontario [E74-10548] p0202 N74-26864

p0179 A74-30797

PRINCE WILLIAM SOUND (AK)

The circulation of Prince William Sou [E74-10575] p p0203 N74-28819 PROBLEM SOLVING

Application of remote sensing to state and regional problems p0182 N74-22973 [NASA-CR-138394]

PROJECTIVE GEOMETRY Analytic rectification for the compilation of topographic maps and photomaps in a given projectio

DO187 A74-36382 PULSE AMPLITUDE

Statistical properties of the background noise for the atmospheric windows in the intermediate infrared regip0219 A74-29856

PULSE DOPPLER RADAR Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125

റ

QUANTITATIVE ANALYSIS Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol

R

p0224 N74-28840

RADAR ECHOES

[E74-10607]

observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic p0199 A74-34506 Sea backscatter at HF - Interpretation and utilization of p0199 A74-35124

RADAR IMAGERY

Synthetic interferometer radar for topographic mapping p0187 A74-35133 Target image frequency spectrum in Doppler radars p0221 A74-37295

Circular scan synthetic aperture radar --- for terrain p0222 N74-25668 imaging Small scale land use mapping with radar imagery p0190 N74-27766

Geologic structure analysis using radar imagery of the coal mining area of Buchanan County, Va. [PB-228689/6] p01 p0198 N74-28919

RADAR MAPS

Small scale land use mapping with ra radar imagery p0190 N74-27766

RADAR MEASUREMENT

Radar measurement of soil moisture conter p0167 A74-29050

Standard methods for analysis and is terpretation of Lida p0178 A74-29709 data for environmental monitoring Tests of remote skywave measure ent of ocean surface p0199 A74-35125 conditions

RADAR SCANNING

Circular scan synthetic aperture radar --- for terrain p0222 N74-25668 RADAR SCATTERING

The radar backscatter from selected as

n0167 A74-28935 Sea backscatter at HF - Interpretation and utilization of

nO199 A74-35124 The S-193 radar altimeter experiment --- onboard Skylab

for earth surface profile measurement p0187 A74-35136 Radar ground returns. Part 3: Further measurements on the radar backscatter of vegetation an [PHL-1974-05-PT-3] p0

and soils p0171 N74-25961 A survey of terrain radar backscatter coefficient

measurement programs [E74-10634] p0224 N74-28868

RADIANCE

Determination of aerosol content in the atmosphere from ERTS-1 data --- San Diego, California and Salton Sea [E74-10452] DO212 N74-21977

RADIO ALTIMETERS

The S-193 radar altimeter experiment - onboard Skylab for earth surface profile measurement p0187 A74-35136

Terrain properties and topography from Skylab altimetry [E74-10462] p0188 N74-21987

RADIO FREQUENCY INTERFERENCE

Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887

RADIO INTERFEROMETERS

Geophysical subsurface probing with radio-frequency interferometry Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887

RADIO PROBING

Geophysical subsurface probing with radio-frequence RADIO WAVES

Integrated measurement of soil moisture by use of radio waves

p0170 N74-23031 [PB-227242/5]

RADIOMETERS

A multi-sensor analysis of Nimbus 5 data on 22 January 1973 ··· meteorological parameters

[NASA-TM-X-70633] p0221 N74-22115 Experimental evaluation of atmospheric effects on diometric measurements using the EREP of Skylab

radiometric measurements using the EREP [E74-10543] p0222 N74-25861 Radiometric gages: A bibliography [TID-3338]

p0223 N74-27891

A cloud physics investigation utilizing Skylab data [E74-10567] p0223 N74-2 p0223 N74-28812 RAIN

Monitor weather conditions for cloud seeding control ---Colorado River Basin [E74-10468] p0205 N74-21993

RANDOM SAMPLING

Optimal interpolation of two dimensional signal --- using least mean square error criterion for sampled image

p0212 A74-36113 RANGE RESOURCES

Wyoming

Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery ---[E74-10493] p0168 N74-22017 RANGELANDS

Inventory of forest and rangeland resources, including forest stress --- Black Hills, Manitou, Colorado, and Atlanta, o0171 N74-25848

Inventory of forest and rangeland and detection of forest stress --- Black Hills, Manitou, Colorado, and Atlanta. Georgia test sites [E74-10558]

p0171 N74-25868

RECLAMATION

Applicability of Skylab remote sensing for detection and monitoring of surface mining activities --- Ohio, West Virginia, Pennsylvania, Indiana, Kentucky, and Illinois [E74-10465] p0194 N74-21990

Automated strip-mine and reclamation mapping from ERTS [E74-10490] p0194 N74-22014

RECONNAISSANCE AIRCRAFT

Use of base techniques for environmental resource studies. An aircraft experiment --- aircraft scientific equipment p0224 N74-29055

Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 RECREATION

Study of recreational land and open space using Skylab Michigan [E74-10444] p0181 N74-21969

Infrared, radar, and optical applications of ERTS data --- atmospheric effects in Colorado, lake ice surveillance, reactional land use, IFYGL (Lake Ontario), water quality

monitoring, and oil pollution detection [E74-10497] DO182 N74-22022 Study of recreational land and open imagery --- Michigan [E74-10529]

nO183 N74-25847 Study of recreational land and open space using Skylab

imagery [E74-10645] p0185 N74-28878

REFLECTANCE

Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] p0169 N74-22046

Reflectance of vegetation, soil, and water measurable plant parameters on multispectral signal variations [F74-10539] p0171 N74-25857

REGIONAL PLANNING

Exploring options for the future: A study of growth in Boulder county. Volume 3: Environmental constraints and opportunities

p0180 N74-21845 [NASA-CR-138177] Evaluate the potential of Skylab photographic and infrared imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio [E74-10450] p0181 N74-21975

Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in North Carolina

[E74-10463] p0226 N74-21988

SUBJECT INDEX

p0214 N74-25837

Inventories of Delaware's coastal vegetation and land-use

utilizing digital processing of ERTS-1 imagery [E74-10531] p0183 N74-25849

REMOTE SENSORS

Research on the application of satellite remote sensing to local, state, regional and national programs involved with urce management and environmental quality p0226 N74-22047 [NASA-CR-138173] Application of remote sensing to state and regional DO182 N74-22973 [NASA-CR-138394] Investigation of Skylab imagery for regional planning [E74-10522] p0183 N74-25844 Utilization of ERTS-A data in geological evaluation. regional planning, forest management, and water management in North Carolina pO214 N74-25855 [E74-10537] Utilization of ERTS-A data in geological evaluation regional planning, forest management, and water management in North Carolina [E74-10519] p0215 N74-26858 on of Skylab imagery for regional planning [E74-10523] pO183 N74-26861 Utilization of EREP data in geological evaluation, region planning, forest management, and water management in North Carolina p0228 N74-27787 [E74_10611] REMOTE SENSORS Air pollution - Remote detection of several pollutant gases ith a laser heterodyne radiometer p0177 A74-28550 with a laser heterodyne radiometer Partial performance degradation of a remote sensor i vironment, and some probable causes p0219 A74-28592 A critique - Applications of non-satellite ren ellite remote sensing 00219 A74-29001 Remote sensing of biosphere from space --- multispectral satellite observation of earth resources p0167 A74-29004 Practical use of snace vehicles in the light of the principle of state sovereignty over natural resources p0225 A74-29008 Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-290 DO177 A74-29021 Application of remote sensing data to coastal fish stock p0199 A74-29022 Machine processing methods for earth obserp0211 A74-29025 Mendonca's dream of Brazil in space p0225 A74-29288 implementation Joint Conference on Sensing of Environmental Pollutants, d., Washington, D.C., December 10-12, 1973. er 10-12, 1973, p0177 A74-29701 2nd. spectroscopy fo Further developments in correlation p0177 A74-29705 remote sensing air pollution

Detection of water pollution sources with aerial imaging p0178 A74-29708 Standard methods for analysis and interpretation of Lida p0178 A74-29709 data for environmental monitoring pi Analysis of laser differential absorption Ining diffuse reflection from the earth p0178 A74-29714
Progress report - Detection of dissolved oxygen in water rough remote sensing techniques p0179 A74-29720 through remote sensing techniques Monitoring coastal water properties circulation with spacecraft p01 and n0179 A74-29721 Coast Guard Airborne Remote Sensing System --- fo p0179 A74-29723 water pollution monitoring An airborne laser fluorosensor for the detection of oil p0179 A74-29724 on water Calibrated remote measurement of NO2 using the differential-absorption backscatter techniq p0179 A74-30685 Toward a methodical study of the environment --emphasizing remote sensing of earth re sources in Brazil p0180 A74-31000 Field spectroscopy for multispectral remote sensing - An p0219 A74-31869 analytical approach Marking ERTS images with a small mirror reflecto p0211 A74-33068 Education and training in remote sensing p0225 A74-33070 ng data A catalog system for remote-sensip0211 A74-33072 s of the atmosphere Determination of aerosol pa p0219 A74-33306 by laser sounding from space probing p0220 A74-33307 Application of lasers in atmosphe te sensors /Systems Detection of earth resources by ren and Problems / -- international legal implications p0225 A74-33599 Application of space-oriented equipment in earth rces studies and in environmental of p0220 A74-33903 experiment Scanning multispectrum system in an aircraft experiment earth resources studies p0220 A74-33904 in earth resources studies New dimensions in satellite hydrology DO205 A74-33957 The development of ground truth for correlation with remotely sensed data p0211 A74-34005 Comparison of some classification techniques p0211 A74-34438 The spectral reflectance of a vegetated surface. II - An eight-channel-radiometer for measurements of the refl

TDCK

[E74-10461] Remote sen [TR-2230-14-1] multispectral data [AD-773598] Skylab sho management [AD-775407] F74-105011 [E74-10535] Nebraska [UR-RSR-3] [E74-10598]

The information content of remote measurements of Application of remote sensing to hydrology --- for the atmospheric temperature by satellite infra-red radiometry and optimum radiometer configurations ormulation of watershed behavior model n0208 N74-27811 [NASA.CR.120278] 00221 A74-37021 A study of remote sensing as applied to regional and Remote sensing and lake eutrophication small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-27813 DO205 A74-37045 Remote sensing platforms --- for airborne and spaceborne Remote atmospheric sensing with an airborne laser absorption spectrometer p0221 A74-37476 [USGS-CIRC-693] p0223 N74-27825 Analysis of dielectric properties and noise temperature Determining the geometric characteristics of a sea surface the signal scattered from it of sea ice for microwave remote sensing applications p0199 N74-21864 [AD-777436] p0203 N74-27837 Application of remote sensing for fishery resource On the feasibility of benefit-cost analysis applied to mote sensing projects p0230 N74-28856 assessment and monitoring --- white marlin distribution in Gulf of Mexico remote sensing projects of Research in remote sensing agriculture, earth n0200 N74-21986 [NASA-CR-138885] DO175 N74-28892 p0226 N74-22026 (NASA-CR-138135) Use of base techniques for environmental resource studies. An aircraft experiment --- aircraft scientific equipment p0224 N74-29055 The use of high altitude aerial photography to inventory habitat in Kansas: An initial evalu p0169 N74-22032 Multispectral scanning system in a aircraft experiment to study the earth's res Research on the application of satellite remote sensing RESEARCH AND DEVELOPMENT to local, state, regional and national programs involved with Annual report on the nation's progress in aeronautics and space activities, 1973 ment and environm tal quality [NASA-CR-138173] p0226 N74-22047 H-DOC-93-2831 n0227 N74-26406 Improvements in estimating proportions of objects from RESEARCH PROJECTS Cornell University remote sensing program --- selected research projects in land and water resource management [NASA-CR-138749] p0228 N74-27806 n0213 N74-22049 [NASA-CR-134252] IASA-CR-134252]
Study for a geoscientific aircraft measurement program p0227 N74-22070 Research in remote sensing of resources, and man's environment agriculture, Correlation of remote sensing imagery of the coast of thern and Baja California with terrain analysis nO175 N74-28892 [NASA-CR-138885] p0213 N74-22085 The United States Geological Survey
[USGS-INF-74-2] rt-lived event alert program p0198 N74-28898 p0194 N74-22479 INASA-CR-1342621 RESERVOIRS Application of to army facility ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation --- New p0182 N74-22621 Remote sensing geophysics from Skylab [E74-10453] n0205 N74-21978 p0222 N74-22950 Effects of construction and staged filling of reservoirs Remote sensing of changes in morphology and physiology of trees under stress --- for detecting Fomes annosus on the environment and ecology --- Sangamon River, [NASA-CR-138392] n0170 N74-22962 Remote-sensing studies of hydrologic environments in le lower Raritan River System, New Jersey p0205 N74-21983 [E74-10458] Skylab study of water quality --- Kansas reserve p0207 N74-22972 p0205 N74-21991 [NASA-CR-138398] [F74-10466] Application of remote sensing to state and regional The use of ERTS imagery in reservoir management and [NASA-CR-138394] p0182 N74-22973 [E74-10485] DO206 N74-22009 Photogrammetry, remote sensing, cartography, mapping: ERTS-1 data user investigation of the use of ERTS selected bibliography on literature available at the imagery in reservoir management and operation p0227 N74-25836 [F74-10542] n0207 N74-25860 Remote sensing of ocean current boundary layer New England reservoir management --- from Skylab and p0201 N74-25853 aerial photography [E74-10551] Atmospheric effects on remote sensing of non-uniform DO207 N74-25867 temperature sources [NASA-CR-129028] Effect of construction and staged filling of reservoirs on DO222 N74-25878 the environment and ecology --- dam construction on Applications of remote sensing data to the Alaskan Sangamon River in Illinois [E74-10610] p0209 N74-28843 p0201 N74-25884 [NASA-CR-138512] Estimation of sea surface temperature from remote RESIDENTIAL AREAS Estimating population from photographically determined residential land use types p0179 A74-30794 sensing in the 11-13 micron window region p0179 A74-30794 n0201 N74-25888 -TM-X-706491 Hydrological basis for forecasting and calculating runoff RESOURCE MANAGEMENT Research on the application of satellite remote s nace images of the earth's surface to local, state, regional and national programs involved with resource management and environmental quality [NASA-TT-F-15665] p0207 N74-25889 resource management [NASA-CR-138173] ASTEP user's quide and software docume p0226 N74-22047 n0215 N74-26713 [NASA-CR-134303] Monitoring forest land from high altitude and from RESOURCES MANAGEMENT Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- Cascades, Sierra Nevadas, and Great Plains p0172 N74-26868 [NASA-CR-138624] Applications of remote sensing in resource management p0206 N74-22000 [E74-10476] Relevance of ERTS to the State of Ohio [E74-10483] p0228 N74-26875 [NASA-CR-138602] p0181 N74-22007 Use of remote sensing in agriculture [NASA-CR-62098] NASA-CR-62098] p0172 N74-26876 A report on current activities and facilities in the field The use of ERTS imagery in reservoir management and sensing of earth resources p0206 N74-22009 [F74-10485] p0228 N74-26933 Skylab data as an aid to resource management in northern Arial detection of spill sources rnia --- timber identification and forest management [PB-228105/3] n0184 N74-26940 p0168 N74-22019 in northern California Remote sensing in sampling site location in lakes and Remote sensing program [NASA-CR-138135] treams --- water quality in Tennessee D0228 N74-22026 p0208 N74-26941 [PB-227846/3] Remote sensing report, San Francisco Bay Area, April ily 1972. Volume 1 The use of high altitude aerial photography to inventory vildlife habitat in Kansas. An initial eval n0169 N74-22032 DO184 N74-26942 [TR-2230-14-1] [PB-227834/9] Remote sensing report, San Francisco Bay Area, April -July 1972, volume 2 --- water pollution mapping [PB-227835/6] p0184 N74-26943 Signature extension: An approach to operational p0214 N74-22608 [PR-227835/6] [NASA-CR-134254] A feasibility study for the remote measurement of Application of remote sensors to army facility underwater currents using acoustic Doppler techniques
[NOAL-TR-ERL-278-WPL-25] p0202 N74-26952 p0182 N74-22621 [AD-775407] Application of remote sensing for fishery resource Use of ERTS-A, Skylab, and supporting aircraft to enhance sment and monitoring resource management [E74-10498] n0202 N74-27784 p0170 N74-22949 Flexible DCP interface ental sensor and signal Application of remote sensing to state and regional conditioning interface [CONTRIB-1397] p0223 N74-27799 p0182 N74-22973 Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf [NASA-CR-138394] To assess the value of satellite imagery in resource evaluation on a national scale --- South Africa

[E74-10494]

p0173 N74-27804

source management p0228 N74-27806

Cornell University remote sensing program --- selected search projects in land and water resource management

radiation field

object earth

n0220 A74-34636

p0193 A74-35298

p0226 A74-35982

A superconducting airbourne mineral detection system

Earth Resources Technology Satellite 1 - Space research

[NASA-CR-138806]

[NASA-CR-138749]

Applications of comments associated data at the Alaskan		
Applications of remote sensing data to the Alaskan environment	ROCKS	Measurement of air pollutants from satellites. I -
[NASA-CR-138512] p0201 N74-25884	Field spectroscopy for multispectral remote sensing - An analytical approach p0219 A74-31869	Feasibility considerations p0180 A74-31870
Annual report on the nation's progress in aeronautics	Remote sensing geophysics from Skylab rock	Determination of aerosol parameters of the atmosphere by laser sounding from space p0219 A74-33306
and space activities, 1973 [H-DOC-93-283] p0227 N74-26406	discrimination and geothermal heat source detection in Southern California and Nevada	International legal aspects of earth resources satellites
Evaluation of Skylab imagery as an information service	[E74-10480] p0194 N74-22004	p0225 A74-33600
for investigating land use and natural resources (Skylab)	Optical modeling of agricultural fields and rough-textured	New dimensions in satellite hydrology
[E74-10527] p0183 N74-26863	rock and mineral surfaces [NASA-CR-134243] p0169 N74-22046	p0205 A74-33957 Earth Resources Technology Satellite 1 - Space research
Applications of remote sensing in resource management in Nebraska	The NASA earth resources spectral information system:	object earth . p0226 A74-35982
[NASA-CR-138602] p0228 N74-26875	A data compilation, second supplement	Geodesy and space earth, lunar and planetary surveys
Evaluation of Skylab imagery as an information service	[NASA-CR-134267] p0213 N74-22051 Mapping exposed silicate rock types and exposed ferric	from spacecraft p0187 A74-36384 Development of gravimetry and the theory of the figure
for investigating land use and natural resources (Skylab) New York State	and ferrous compounds from a space platform mapping	of the earth from satellite data p0188 A74-36385
[E74-10564] p0216 N74-27775	exposed silicate rocks and exposed iron compounds near Pisgah Crater, California	The information content of remote measurements of
Cornell University remote sensing program selected	[E74-10596] p0196 N74-27782	atmospheric temperature by satellite infra-red radiometry and optimum radiometer configurations
research projects in land and water resource management [NASA-CR-138749] p0228 N74-27806	ROCKY MOUNTAINS (NORTH AMERICA)	p0221 A74-37021
Relevance of ERTS to the State of Ohio environmental	Geologic information from satellite images geological interpretation of ERTS-1 and Skylab multispectral	Crystal motion measurement by means of satellite
monitoring, land use, and resources management	photography of Rocky Mountain areas	techniques
[E74-10553] p0229 N74-28809	[E74-10507] p0195 N74-22954	[NASA-TM-X-70632] p0195 N74-22985 Detecting melting snow and ice by visible and
Synthesis and analysis of ERTS program. Water resources: Significance, user requirements, remote sensing	ROVING VEHICLES Milwaukee Symposium on Automatic Control,	near-infrared measurements from satellites
applications	Milwaukee, Wis., March 28-30, 1974, Proceedings	p0207 N74-25877
[E74-10554] p0209 N74-28810	p0212 A74-36109	Estimation of sea surface temperature from remote sensing in the 11-13 micron window region
Planning applications in east central Florida [E74-10623] p0230 N74-28862	RURAL AREAS Lidar studies of stack plumes in rural and urban	[NASA-TM-X-70649] p0201 N74-25888
[E74-10623] p0230 N74-28862 Thailand national programme of the Earth Resources	environments air pollution tests	The accuracy of satellite temperature sounding of the
Technology Satellite	[PB-227347/2] p0182 N74-23189	atmosphere [NASA-TT-F-15690] p0222 N74-25891
[E74-10631] p0230 N74-28867	Study of recreational land and open space using Skylab imagery	Space research. Investigation of the gravitational fields
Relevance of ERTS-1 to the State of Ohio	[E74-10645] p0185 N74-28878	and the shape of the earth, other planets and the moon
environmental monitoring and resources management [E74-10641] p0230 N74-28875	RUST FUNGI	by observations from space vehicles [AD-774398] p0189 N74-25902
Evaluation of Skylab imagery as an information service	Wheat: Its water use, production and disease detection and prediction Kansas	Basic research and data analysis for the National Geodetic
for investigating land use and natural resources (Skylab)	[E74-10632] p0173 N74-27795	Satellite Program and for the Earth and Ocean Physics
central and northern New York and Long Island [E74-10644] p0185 N74-28877	ERTS-1 data collection systems used to predict wheat	Application Program [NASA-CR-138671] p0190 N74-26869
[E74-10644] p0185 N74-28877 RETURN BEAM VIDICONS	disease severities Riley County, Kansas [CONTRIB-1387] p0173 N74-27797	The 1973 Smithsonian standard earth (3) for the
The cartographic application of ERTS/RBV imagery in	[CONTRIB-1387] p0173 N74-27797	satellite geodesy program
polar regions Antarctica	c	[NASA-CR-138586] p0190 N74-27382 Earth Observatory Satellite (EOS) definition phase report,
[E74-10470] p0188 N74-21995 Earth Resources Technology Satellite: Cumulative US	S	volume 1
standard catalog, 23 July 1972 - 23 July 1973. Volume	SALINITY	[NASA-TM-X-69910] p0229 N74-28343
1: Observation ID listing	Remote sensing of ocean current boundary layer	Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume
[NASA-TM-X-70127] p0229 N74-28800	[E74-10535] p0201 N74-25853	1: Observation ID listing
Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume	Irrigation scheduling, freeze warning and soil salinity detecting	[NASA-TM-X-70127] p0229 N74-28800
2: Coordinate listing	[E74-10541] p0171 N74-25859	Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume
[NASA-TM-X-70128] p0229 N74-28801	Irrigation scheduling, freeze warning and soil salinity	2: Coordinate listing
All-Digital precision processing of ERTS images [E74-10637] p0217 N74-28871	detecting Cameron and Starr Counties, Texas [E74-10569] p0174 N74-28813	[NASA-TM-X-70128] p0229 N74-28801
Ocean water color assessment from ERTS-1 RBV and	SAMPLING P0174 N74-28813	Earth Resources Technology Satellite: Non-US standard catalog No. N-14

MSS imagery	Evaluation of a high volume cascade particle impactor	[NASA-TM-X-70123] p0229 N74-28806
[E74-10651] p0204 N74-28884	system sampling conditions for environmental	Earth Resources Technology Satellite: US standard
[E74-10651] p0204 N74-28884 RIVER BASINS	system sampling conditions for environmental pollution	Earth Resources Technology Satellite: US standard catalog No. U-18
[E74-10651] p0204 N74-28884	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control	system	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey	system ··· sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach ·· California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement
[E74-10651] p0204 N74-28884 RIIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28990
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10626] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report. San Francisco Bay Area, Aprily 1972. Volume 1 [PB-227834/9] p0184 N74-26942	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901
[E74-10651] p0204 N74-28884 RIIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS	system	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TH-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montans	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report. San Francisco Bay Area, Aprily 1972. Volume 1 [PB-227834/9] p0184 N74-26942	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17
[E74-10651] p0204 N74-28884 RIIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [RNASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6]	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) p0211 A74-33068 Remote sensing report. San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 SAN JOAQUIN VALLEY (CA)	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard
[E74-10651] p0204 N74-28884 RIIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana [PB-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation	Earth Resources Technology Satellite: US standard catalog No. U-18 p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121]
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana P08-22682/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 p0210 N74-28859	system ··· sampling conditions for environmental pollution [BNWL-SA-4677]	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TH-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montans [PB-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY	system ··· sampling conditions for environmental pollution [BNWL-SA-4677]	Earth Resources Technology Satellite: US standard catalog No. U-18 p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 p0230 N74-28899 P0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution : California ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of	system	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28905
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, April-July 1972, Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the space-craft 'Soyuz-9' and investigations of environment from space p0219 A74-30792	Earth Resources Technology Satellite: US standard catalog No. U-18 p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 p0230 N74-28899 P0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [PB-226082/6] p0207 N74-23030 p0207 N74-23030 rower law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] p0172 N74-26928	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] Remote sensing report, San Francisco Bay Area, April July 1972, volume 2 water pollution mapping [PB-227835/6] SAN JOACUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0114 N74-26943 SAN JOACUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and	Earth Resources Technology Satellite: US standard catalog No. U-18 p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-THA-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montans [PB-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in	system ··· sampling conditions for environmental pollution [BNWL-SA-4677]	Earth Resources Technology Satellite: US standard catalog No. U-18 p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard Catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard Catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard Catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard Catalog No. U-18 [NASA-TM-X-70109] p0231 N74-28905 [NASA-TM-X-
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana p(P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground survey data and the area of Argentina photographed by Skylark earth resources rocket St. 1181, using ground survey data and	system	Earth Resources Technology Satellite: US standard catalog No. U-18 p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70122] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70129] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70109] p0231 N74-28906
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montans [P8-25082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California POCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] p0172 N74-28928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket St. 1181, using ground survey data and rocket photography	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, Apriluly 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, Apriluly 1972. volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the space-craft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70127] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-120 [NASA-TM-X-70107] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111]
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana p(P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground survey data and the area of Argentina photographed by Skylark earth resources rocket St. 1181, using ground survey data and	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p021 in A74-2792 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] Remote sensing report, San Francisco Bay Area, April July 1972, volume 2 water pollution mapping [PB-227835/6] SAN JOACUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p018 N74-26943 SAN JOACUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70101] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70101] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution rocalifornia P0210 N74-28598 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photography and potographed by Skylark SL 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncutivated areas of Argentina photographed by Skylark SL 1181, using rocket photography Rocket photography po172 N74-26929 Delimitation of the cultivated and uncutivated areas of Argentina photographed by Skylark SL 1181, using rocket	system sampling conditions for environmental pollution [BNWL-SA-4677] p0181 N74-21901 Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] p0216 N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, Apriluly 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, Apriluly 1972. volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the space-craft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28809 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-19 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. N-20 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70110] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana p(P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181. using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket St. 1181. using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark St. 1181. using rocket photography	system	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28897 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70127] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution ·· California POCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket SL 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark SL 1181, using rocket photography [UR-RSP-3] p0172 N74-26930	system sampling conditions for environmental pollution [BNWL-SA-4677]	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70127] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70128] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photography [UR-RSP-2] Delimitation of the cultivated and uncultivated areas of Argentina photography [UR-RSP-3] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by	system	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28897 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70127] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montane [PB-226082/6] p0207 N74-23030 Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montane [PB-226082/6] p0207 N74-23030 Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montane [PB-26082/6] p0207 N74-28959 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark aarth resources rocket SL 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark sL 1181, using rocket photography [UR-RSP-3] p0172 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark arch resources rockets	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report. San Francisco Bay Area, Apriluly 1972. Volume 1 [PB-227834/9] Remote sensing report. San Francisco Bay Area, Apriluly 1972, volume 2 water pollution mapping [PB-227835/6] SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the space-craft 'Soyuz-9' and investigations of environment from space Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031 SATELLITE DESIGN Earth Resources Technology Satellite 1 - Space research object earth p0226 A74-35982 Earth Observatory Satellite (EOS) definition phase report, volume 1 [NASA-TM-X-69910] PO229 N74-28343	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. N-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70101] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70112] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70112] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70112] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70112] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70112] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70112] p0231 N74-28908 EARTH RESOURCES Technology Satellite: US standard catalog No. U-15
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montans [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photography [UR-RSP-3] p0172 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p021 h 774-23068 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] Remote sensing report, San Francisco Bay Area, April July 1972, volume 2 water pollution mapping [PB-227835/6] SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the spacecraft Soyuz-9 and investigations of environment from space p20219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SAYELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031 SATELLITE OESIGN Earth Resources Technology Satellite 1 - Space research object earth p0225 A74-29031 Earth Resources Technology Satellite 1 - Space research p0225 A74-29031 SATELLITE DESIGN Earth Resources Technology Satellite 1 - Space research p0225 A74-29031 Earth Resources Technology Satellite 1 - Space research p0225 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Satellite 1 - Space research p0226 A74-29031 Earth Resources Technology Sat	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70129] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. N-20 [NASA-TM-X-70109] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana p0207 N74-23030 Power law time dependence of river flood decay and dist relationship to long term discharge frequency distribution ·· California p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket St. 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark St. 1181, using rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark St. 1181, using rocket photography [UR-RSP-2] p0172 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark sarth resources rockets [UR-RSP-4] p0215 N74-26931 Preliminary results from Skylark earth resources rocket experiment in Argentina	system sampling conditions for environmental poblution [BNWL-SA-4677]	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-7010] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-7010] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-7010] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70100] p0231 N74-28909
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California POCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket SL 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-3] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26932 Preliminary results from Skylark earth resources rocket experiment in Argentina	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70127] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70128] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70127] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70129] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70110] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70120] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70120] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana p0207 N74-23030 Power law time dependence of river flood decay and dist relationship to long term discharge frequency distribution ·· California p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket St. 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark St. 1181, using rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark St. 1181, using rocket photography [UR-RSP-2] p0172 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark sarth resources rockets [UR-RSP-4] p0215 N74-26931 Preliminary results from Skylark earth resources rocket experiment in Argentina	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report. San Francisco Bay Area, Apriluly 1972. Volume 1 [PB-227834/9] Remote sensing report. San Francisco Bay Area, Apriluly 1972, volume 2 water pollution mapping [PB-227835/6] SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the space-craft 'Soyuz-9' and investigations of environment from space p0181 N74-21967 SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031 SATELLITE CONFIGURATIONS SATELLITE CONFIGURATIONS Catalog of operational satellite (EOS) definition phase report, volume 1 [NASA-TM-X-69910] P0229 N74-28343 SATELLITE INSTRUMENTS Catalog of operational satellite products (NOAA-TM-NESS-53) P0227 N74-25898 SATELLITE OBSERVATION Practical use of space vehicles in the light of the principle of state sovereignty over natural resources	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. N-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-7011] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-7011] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70120] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70120] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70120] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70120] p0231 N74-28908 EARTH RESOURCES Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70120] p0231 N74-28908 EARTH RESOURCES Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70120] p0231 N74-28908 EARTH RESOURCES Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70120] p0231 N74-28908 EARTH RESOURCES Technology Satellite: US standard catalog No. U-15
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana p(P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution ·· California ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] Peliminary assessments of crop types and land use in the area of Argentina photographed by Skylark aarth resources rocket SL 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark SL 1181, using rocket photography [UR-RSP-3] p0172 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark sarth resources rockets [UR-RSP-3] p0172 N74-26931 Preliminary results from Skylark arth resources rockets experiment in Argentina [UR-RSP-3] p0215 N74-26931 Preliminary results from Skylark arth resources rockets experiment in Argentina [UR-RSP-3] p0228 N74-26933	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] SAN JOACUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442]. SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031 SATELLITE DESIGN Earth Resources Technology Satellite 1 - Space research object earth Earth Resources Technology Satellite 1 - Space research object earth Earth Resources Technology Satellite 1 - Space research object earth Earth Observatory Satellite (EOS) definition phase report, volume 1 [NASA-TM-X-69910] P0229 N74-28343 SATELLITE DESIGN Earth Construction Earth Construct	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-120 [NASA-TM-X-70107] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70110] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montans [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] Preliminary assessments of crop types and land use in the area of Argentina photography [UR-RSP-2] Delimitation of the cultivated and uncultivated areas of Argentina photography by Skylark St. 1181, using rocket photography [UR-RSP-3] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] p0228 N74-26932 A report on current activities and facilities in the field of remote sensing of earth resources [UR-RSP-5] Key to location of rocket imagery, aircraft traverses.	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p021 fb N74-27792 SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p021 fb N74-27792 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] Remote sensing report, San Francisco Bay Area, April July 1972. volume 2 water pollution mapping [PB-227835/6] SAN JOAQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the spacecraft Soyuz-9 and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031 SATELLITE DESIGN Earth Resources Technology Satellite 1 - Space research object earth p0225 A74-29031 SATELLITE INSTRUMENTS Catalog of operational satellite products [NOAA-TM-NESS-53] P0227 N74-25898 SATELLITE INSTRUMENTS Catalog of operational satellite products [NOAA-TM-NESS-53] P0227 N74-25898 SATELLITE OSSERVATION Practical use of space vehicles in the light of the principle of state sovereignty over natural resources p0225 A74-29031	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28897 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70109] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70120] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70120] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana p(P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution ·· California ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] Peliminary assessments of crop types and land use in the area of Argentina photographed by Skylark aarth resources rocket SL 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark SL 1181, using rocket photography [UR-RSP-3] p0172 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark sarth resources rockets [UR-RSP-3] p0172 N74-26931 Preliminary results from Skylark arth resources rockets experiment in Argentina [UR-RSP-3] p0215 N74-26931 Preliminary results from Skylark arth resources rockets experiment in Argentina [UR-RSP-3] p0228 N74-26933	system sampling conditions for environmental pollution [BNWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] SAN JOACUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021 SANDS Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442]. SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031 SATELLITE DESIGN Earth Resources Technology Satellite 1 - Space research object earth Earth Resources Technology Satellite 1 - Space research object earth Earth Resources Technology Satellite 1 - Space research object earth Earth Observatory Satellite (EOS) definition phase report, volume 1 [NASA-TM-X-69910] P0229 N74-28343 SATELLITE DESIGN Earth Construction Earth Construct	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28904 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70112] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70112] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70112] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70112] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-7010] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-7010] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-7010] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-7010] p0231
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montans [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket St. 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-3] p0228 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-3] p0228 N74-26931 Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-3] p0228 N74-26932 A report on current activities and facilities in the field of remote sensing of earth resources [UR-RSR-3] p0228 N74-26933 Key to location of rocket imagery, aircraft traverses, ground truth and available maps for the Argentinian Skylarks	system	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28897 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70109] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70111] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70120] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70120] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-17
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control ··· Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-28393 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution ·· California P0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Peliminary assessments of crop types and land use in the area of Argentina photographed by Skylark aarth resources rocket SL 1181, using ground survey data and rocket photography [UR-RSP-2] Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark SL 1181, using rocket photography [UR-RSP-3] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark SL 1181, using rocket photography [UR-RSP-3] p0172 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark sarth resources rockets [UR-RSP-3] p0215 N74-26931 Preliminary results from Skylark acrit resources rocket experiment in Argentina [UR-RSP-5] p0228 N74-26932 A report on current activities and facilities in the field of remote sensing of earth resources rockets [UR-RSR-3] p0228 N74-26933 Key to location of rocket imagery, aircraft traverses, ground truth and available maps for the Argentina Skylarks	system sampling conditions for environmental pollution [8NWL-SA-4677] Multispectral signatures in relation to ground control signature using nested sampling approach California [E74-10625] SAN FRANCISCO BAY (CA) Marking ERTS images with a small mirror reflector p0211 A74-33068 Remote sensing report. San Francisco Bay Area. Apriluly 1972. Volume 1 [PB-227834/9] Remote sensing report. San Francisco Bay Area. Apriluly 1972. Volume 2 water pollution mapping [PB-227835/6] SAN JAQQUIN VALLEY (CA) Remote sensing for monitoring a water transportation project - The Celifornia Aqueduct p0177 A74-29021 SANDB Results of spectrophotometric measurements of natural formations from the space-craft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SATELLITE CONFIGURATIONS Skylab systems flight performance - An interim report p0225 A74-29031 SATELLITE DESIGN Earth Resources Technology Satellite 1 - Space research object earth p0226 A74-35982 Earth Observatory Satellite (EOS) definition phase report, volume 1 [NASA-TM-X-69910] SATELLITE INSTRUMENTS Catalog of operational satellite products [NOAA-TM-NESS-53] P0227 N74-2898 SATELLITE INSTRUMENTS Catalog of operational satellite products [NOAA-TM-NESS-53] P0227 N74-2898 SATELLITE INSTRUMENTS Catalog of operational satellite products [NOAA-TM-NESS-53] P0227 N74-2898 SATELLITE OBSERVATION Practical use of space vehicles in the light of the principle of state sovereignty over natural resources P0225 A74-29008 P0225 A74-2908 P0226 P074-30799 P079 P074	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28890 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70121] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-18 [NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231
[E74-10651] p0204 N74-28884 RIVER BASINS Monitor weather conditions for cloud seeding control Colorado River Basin [E74-10468] p0205 N74-21993 Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 RIVERS Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montans [P8-226082/6] p0207 N74-23030 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California p0210 N74-28859 ROCKET-BORNE PHOTOGRAPHY First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket St. 1181, using ground survey data and rocket photography [UR-RSP-2] p0172 N74-26929 Delimitation of the cultivated and uncultivated areas of Argentina photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-3] p0228 N74-26930 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-3] p0228 N74-26931 Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-3] p0228 N74-26932 A report on current activities and facilities in the field of remote sensing of earth resources [UR-RSR-3] p0228 N74-26933 Key to location of rocket imagery, aircraft traverses, ground truth and available maps for the Argentinian Skylarks	system	Earth Resources Technology Satellite: US standard catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No. N-13 [NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15. supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70121] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-17 [NASA-TM-X-70127] p0231 N74-28902 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70129] p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70110] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70120] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70120] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70110] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70120] p0231 N74-28909 Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70120] p0231

ion program for experiment S193 on

A joint meteorological, oceanographic and sensor

Remote sensing of biosphere from space --- multispectral satellite observation of earth resources p0167 A74-29004 Combined spectral and spatial processing of ERTS agery data p0211 A74-30791 A comparison of black-and-white, color and infrared imagery data photographs for geological interpretation at Witvlei, South p0211 A74-30793 West Africa Marking ERTS images with a small mirror reflector p0211 A74-33068 Application of space-oriented equipment in earth urces studies and in environmental control - An aircraft p0220 A74-33903 experiment Cloud shadow calculation for space survey modeling of the earth surface p0187 A74-33905 Cloud cover effect during earth surface feature identification by visual and photographic observations from p0187 A74-33906 Comparison of geological information obtained from satellite and aerial photographs and from ground investigations in the Tibesti Mountains /Chad/ nO193 A74-35499 Land use mapping using ERTS multispectral imagery --of Munich and environs p0180 A74-35500
Optimal interpolation of two dimensional signal --- using
least mean square error criterion for sampled image
p0212 A74-36113 theory of the figure Development of graviment, of the earth of trom satellite data polls8 A74-36385 Photographic experiments during space flights of several polls8 A74-36386 Photographic experiments during space flights of several polls8 A74-36386 Photographic space flights of several polls8 A74-36386 Phot Development of gravimetry and the theo An analysis of the benefits and costs of an improved crop acreage forecasting system utilizing earth resources satellite or aircraft information [PB-227361/3] p0169 N74-22770 Detection of moisture and moisture related phenomena p0169 N74-22770 from Skylab p0170 N74-25838 [E74-10511] To assess the value of satellite photographs in resource evaluation on a national scale --- Botswana [E74-10536] pO18 p0189 N74-25854 Hydrological basis for forecasting and calculating runoff ERTS-A data as a teaching and research tool in the Department of Geology p0228 N74-27791 [F74-10817] Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 1: Observation ID INASA-TM-X-701341 p0229 N74-28802 Earth Resources Technology Satellite. Cumulative non-US standard catalog, 23 July 1972 - 23 July 1973. Volume 3: Coordinate listing, revision [NASA-TM-X-70132] p0229 N74-28804 Earth Resources Technology Satellite. Cumulative non-US standard catelog. 23 July 1972 - 23 July 1973. Volume 4: Coordinate listing, revision [NASA-TM-X-70136] p0229 N74-28805 Earth Resources Technology Satellite: Non-US standard catalog No. N-14 [NASA-TM-X-70123] DO229 N74-28806 Extracting land use information from the earth resources technology satellite data by conventional interpretation methods [NASA-TN-D-7730] p0217 N74-28896 SCATTERING COEFFICIENTS Detection of moisture and moisture related phenomena from Skylab --- correlation of S-193 radiometer temperature and backscatter coefficient with soil moisture content [E74-10540] p0171 N74-25858 A survey of terrain radar backscatter coefficient neasurement programs [E74-10634] p0224 N74-28868 SCATTEROMETERS A joint meteorological, oceanographic and sensor evaluation program for experiment \$193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] DO223 N74-26857 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Determination of sea surface conditions using Skylab L-hand and Radscat passive microwave radiometers --p0203 N74-28820 [E74-10577] Design data collection with skylab/EREP microwave strument S-193

p0223 N74-26857

SATELLITE-BORNE PHOTOGRAPHY
Remote service of the control of the p0223 N74-28827 Design data collection with Skylab/EREP microwave strument S-193 n0224 N74-28882

Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30796 instrument S-193 --- Texas, Minnesota, and Kansas [E74-10650] p0224 N74-28883 in Lake Tahoe, p0205 A74-30796 SCHEDULING Irrigation scheduling, freeze warning and soil salinity detecting --- Cameron and Starr Counties, Texas [E74-10569] p0174 N74-28813 Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- Cascades. Sierra Nevadas, and Great Plains [E74-10476] p0206 N74-22000 SCHOOLS (FISH) Identification and interpretation of tectonic features from Application of remote sensing data to coastal fish stock p0199 A74-29022 ERTS-1 imagery ··· Coastal Ranges of California [E74-10520] p0195 N7 surveys p0195 N74-26859 Application of ERTS-1 data to the harvest model of the Study to develop improved spacecraft snow survey methods using Skylab/EREP data ··· mapping snow cover in Cascades, Sierra Nevada, and Great Plains US menhaden fishery --- Gulf of Mexico [E74-10504] p0200 N74-22952 SEA ICE p0208 N74-27773 [E74-10562] Analysis of dielectric properties and applications of sea ice for microwave remote sensing applications p0199 N74-21864 Analysis of dielectric properties and noise temperature A study to develop improved spacecraft show survey methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data -- Sierra Nevadas in The application of ERTS imagery to monitoring Arctic California, Cascades in Washington and Oregon, Upper Columbia Basin in Idaho and Montana, and Salt-Verde sea ice ··· mapping ice in Bering Sea, Beaufort Sea, Canadian Archipelago, and Greenland Sea Watershed in Arizona p0200 N74-22951 [F74-10502] [E74-10582] p0209 N74-28825 Investigations performed on the Arctic ice dynamics joint SIGNAL PROCESSING experiment, March 1971 --- Beaufort Sea ice pack Optimal interpolation of two dimensional signal --- using p0201 N74-23020 least mean square error criterion for sample [AD-775381] p0212 A74-36113 A lake and sea ice experiment with Skylab microwave Flexible DCP interface --- environmental sensor and signal radiometry ---[E74-10616] --- Lake Ontario and Gulf of St. Lawren p0210 N74-28845 conditioning interface [CONTRIB-1397] pO223 N74-27799 SEA STATES SIGNATURE ANALYSIS Determining the geometric characteristics of a sea surface Improvements in estimating proportions of objects from by the signal scattered from it p0203 N74-27837 [AD-777436] spectral data Satellite imagery and weather for February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 [NASA-CR-134252] p0213 N74-22049 Quality of signatures ... spectral signatures of winter wheat grown in Texas [NASA-CR-134263] p0169 N74-22053 SEA WATER Estimation of sunlight penetration in the sea for remote Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] sensing [NASA-TM-X-70643] p0200 N74-22059 n0214 N74-22608 SEDIMENT TRANSPORT Post-analysis report on Chesapeake Bay data processing Sediment transport and erosion in the Fourchon area spectral analysis and recognition computer signature of Lafourche parish --- south Louisiana [NASA-CR-138776] p0208 N74-26911 [NASA-CR-137461] nO215 N74-26899 SEDIMENTARY ROCKS SILICATES An evaluation of multiband photography for rock discrimination --- sedimentary rocks of Front Range, Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform ··· mapp Colorado [E74-10510] exposed silicate rocks and exposed iron compounds near p0195 N74-22957 isgah Crater, California SEDIMENTS nO198 N74-27782 [E74-10596] Limnological studies and remote sensing of the Upper SKY WAVES Truckee River sediment plume in California-Nevada n0 in Lake Tahoe, p0205 A74-30796 Tests of remote skywave measurement of ocean surface p0199 A74-35125 An ERTS-1 study of coastal features on the North Carolina SKYLARK ROCKET VEHICLE First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground p0201 N74-25839 [E74-10513] SEISMOLOGY Methodological plan for serial seismic studies at sea and [UR-RSP-1] p0172 N74-26928 the open ocean Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket SL 1181, using ground survey data and p0202 N74-26901 LIPRS-620751 Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 rocket photography SELENOGRAPHY IUR-RSP-21 o0172 N74-2E929 Space research. Investigation of the gravitational fields Delimitation of the cultivated and uncultivated areas of the shape of the earth, other planets and the moon Argentina photographed by Skylark SL 1181, using rocket by observations from space vehicles tography p0189 N74-25902 [AD-774398] JUB-RSP-31 pO172 N74-26930 SEMICONDUCTOR DEVICES The interpretation and use of false-colour infrared and APPOROUGHOM DEVILES
Applied solid state science: Advances in materials and evice research. Volume 4 --- Book P0220 A74-34769
Narrow gap semiconductors --- device technology seasment and applications p0220 A74-34770 colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] pO215 N74-26931 assessment and applications Preliminary results from Skylark earth resources rocket eriment in Argentina Remote sensing report, San Francisco Bay Area, April [UR-RSP-5] p0228 N74-26932 July 1972. Volume 1 A report on current activities and facilities in the field p0184 N74-26942 -227834/9] f remote sensing of earth resources Remote sensing report, San Francisco Bay Area. April -[UR-RSR-3] n0228 N74-28933 July 1972, volume 2 --- water pollution mapp [PB-227835/6] p0184 Key to location of rocket imagery, aircraft traverses, ground truth and available maps for the Argentinian p0184 N74-26943 SHADOWS Skylarks [UR-RSR-1] pQ215 N74-26955 geologic structures from photographic or scanner imagery Key to coding of imagery and ground truth of the of Colorado p0214 N74-22956 nian Skylarks (1181 and 1182) Argentinian : [UR-RSR-2] p0216 N74-26956 The calculation of cloud shadows in modeling of the earth's surface from space survey [NASA-TT-F-15685] SMOKE p0189 N74-25890 Lider studies of stack plumes in rural and urban Calculating cloud shadows when simulating a space survey of the earth's surface p0191 N74-29057 Effect of clouds on recognition of the earth's surface - air pollution tests [PB-227347/2] p0182 N74-23189 SNOW during visual observations and photography from so Detecting melting snow and ice by visible and p0191 N74-29058 near-infrared measurements from satellites p0207 N74-25877 SIDE-LOOKING RADAR Synthetic interferometer radar for topographic map An interdisciplinary analysis of multispectral satellite data p0187 A74-35133 for selected cover types in the Colorado Mountains, using automatic data processing techniques --- interpretation and mapping snow avalanche hazards and vegetation cover from Circular scan synthetic aperture radar --- for terrain p0222 N74-25668 Radar ground returns. Part 3: Further measurements ctral photography on the radar backscatter of vegetation and soils
[PHL-1974-05-PT-3] p0171 N [E74-10524] p0215 N74-26862 p0171 N74-25961 SNOW COVER Small scale land use mapping with radar imagery p0190 N74-27766 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p.0206 N74-21994 Geologic structure analysis using radar imagery of the coal mining area of Buchanan County, Va. [PB-228689/6] p0198 N74-28919

Design data collection with Skylab/EREP microwave SIERRA NEVADA MOUNTAINS (CA)

[E74-10584]

[E74-10649]

[E74-10647]

Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- Cascades, Sierra SOLAR ARRAYS Colloquium on the Law of Outer Space. 15th, Vienna, Austria, October 8-15, 1972, Proceedings p0225 A74-33598 Utilization of space technology for terrestrial solar power Nevadas, and Great Plains DO226 A74-36226 p0206 N74-22000 **SOLAR ENERGY CONVERSION** Detection of earth resources by remote sensors /Systems The application of space technology to practical problems Utilization of space technology for terrestrial solar power and Problems/ --- international legal implication such as those currently facing the mountain sections of p0226 A74-38228 p0225 A74-33599 the State of Colorado SOLAR RADIATION International legal aspects of earth resources satellites p0225 A74-33600 [NASA-CR-138500] p0183 N74-25885 Remote-sensing the stratospheric serosols --- balloon monitoring of vertical concentration p0178 A74-29719 A technique for correcting ERTS data for solar and Study to develop improved spacecraft snow survey methods using Skylab/EREP data --- mapping snow cover in Cascades, Sierra Nevada, and Great Plains [E74-10562] Legal aspects of estimating, conserving, and developing earth resources by means of spacecraft atmospheric effects --- Michigan test site [E74-10489] D0225 A74-33801 p0213 N74-22013 A study to develop improved spacecraft show survey methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data --- Sierra Nevadas in Celifornia, Cascades in Washington and Oregon, Upper Columbia Basin in Idaho and Montana, and Salt-Verde SOLID STATE DEVICES SOYBEANS Seasonal canopy reflectance patterns of wheat, sorghum, nd soybean p0167 A74-30795 Applied solid state science: Advances in materials and device research. Volume 4 --- Book p0220 A74-34769 and sovbean Seasonal canopy reflectance patterns of wheat, sorghum Jet engine soot emission measured at altitude and soybean --- Kansas [CONTRIB-1385] Watershed in Arizona p0179 A74-30397 p0173 N74-27798 [E74-10582] SOUTH AFRICA p0209 N74-28825 SOYUZ SPACECRAFT A comparison of black-and-white, color and infrared Results of spectrophotometric measurements of natural Evaluate ERTS imagery for mapping and detection of otographs for geological interpretation at Witvlei, South formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 changes of snowcover on land and on glaciers --- Cascade rest Africa P0211 A74-30793
To assess the value of satellite imagery in resource relustion on a national scale --- South Africa 74-104941 West Africa Mountains p0219 A74-30792 [E74-10606] SPACE EXPLORATION SOCIAL FACTORS Space law and international action p0226 A74-33612 [E74-10494] p0214 N74-25837 Activities of the Social Sciences Group, Berkeley campus -- social factors affecting California Water Project SPACE LAW SOUTH AMERICA Practical use of space vehicles in the light of the principle Determination of sea surface conditions using Skylab L-band and Radscat passive microwave radiometers --p0230 N74-28857 of state sovereignty over natural resources SOIL MAPPING p0225 A74-29008 Amazon Basin Comparison of four independent soil surveys by air-photo interpretation, Paphos area /Cyprus/ p0167 A74-30530 Colloquium on the Law of Outer Space. 15th, Vienna. Austria, October 8-15, 1972, Proceedings [E74-10577] p0203 N74-28820 Evaluation of ERTS-1 data applications to geologic Utilizing ERTS imagery to detect plant diseases and p0225 A74-33598 mapping, structural analysis and mineral resource inver-Detection of earth resources by remote sensors /Systems of South America with special emphasis on the Andes Mountain region --- Bolivia, Chile, and Peru [E74-10609] p0197 N74-28842 nutrient deficiencies, soil types and soil moisture le [E74-10585] p0174 N74-28828 and Problems/ --- international legal implication p0225 A74-33599 [E74-10609]
SOUTH CAROLINA
Application of multispectral photography to mineral and land resources of South Carolina --- Georgia
p0193 N74-21989 Application of remote sensing in the study of vegetation p0197 N74-28842 International legal aspects of earth resources satellites p0225 A74-33600 and soils in Idaho [E74-10818] p0174 N74-28848 Legal aspects of estimating, conserving, and developing earth resources by means of spacecraft Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels --p0225 A74-33601 Space law and international action p0226 A74-33612 Crop identification and acreage measurement u ERTS imagery --- Idaho, Kansas, and South Dakota [E74-10629] p0174 N74-28885 SPACE PROGRAMS SOIL MOISTURE Mendonca's dream of Brazil in space implementation 74-10500) p0169 N74-22023 Inventory of forest and rangeland resources, including [E74-10500] Radar measurement of soil moisture content 00225 A74-29288 p0167 A74-29050 Space and man's environment --- with emphasis on the forest stress --- Black Hills, Manitou, Colorado, and Atlanta Detection of moisture and moisture related phenomena application of ERTS imagery [NASA-TM-X-70138] n Skylab --- infrared photography of Texas/New [E74-10530] p0231 N74-29338 p0171 N74-25848 SPACEBORNE PHOTOGRAPHY Inventory of forest and rangeland and detection of forest stress --- Black Hills, Manitou, Colorado, and Atlanta, Georgia test sites [E74-10558] p0171 N74-25868 E74-104711 p0206 N74-22948 Digital restoration of blurred, array-sampled image Integrated measurement of soil moisture by use of radio Photometry of the planet earth from Zond space p0187 A74-36376 74-10558] p0171 N74-25868 Monitoring forest land from high attitude and from [PB-227242/5] p0170 N74-23031 Geodesy and space --- earth, lunar and plan Detection of moisture and moisture related phenomena from spececraft
Skylab short-lived event alert prograi from Skylab [NASA-CR-138824] p0187 A74-36384 [E74-10511] p0170 N74-25838 Crop identification and acreage measurement utilizing [NASA-CR-134262] ERTS imagery --- Kansas and South Dakota [E74-10587] p017 p0194 N74-22479 Detection of moisture and moisture related phenomena from Skylab --- correlation of S-193 radiometer temperature Remote sensing platforms --- for airborne and spacebo p0174 N74-28830 SOUTHERN CALIFORNIA and backscatter coefficient with soil moisture (USGS-CIRC-693) [E74-10540] p0171 N74-25858 Determination of aerosol content in the atmosphere from RTS-1 data --- San Diego, California and Salton Sea p0223 N74-27825 Effect of clouds on recognition of the earth's surface Effect of clouds on recognition of the during visual observations and photography from space p0191 N74-29058 Use of remote sensing in agriculture [E74-10452] p0212 N74-21977
Remote sensing geophysics from Skylab --- rock
discrimination and geothermal heat source detection in [NASA-CR-62098] DO172 N74-26876 Predicting soil moisture and wheat vegetative growth om ERTS-1 imagery --- Kansas p0173 N74-27800 SPACECRAFT ELECTRONIC EQUIPMENT Equipment for space research: Data coding impression --- Russian book p0221 A74-31 Southern California and Nevada Utilizing ERTS imagery to detect plant diseases and [E74-10480] D0221 A74-37509 p0194 N74-22004 SPACECRAFT PERFORMANCE nutrient defic [E74-10585] ficiencies, soil types and soil moisture levels Remote sensing geophysics from Skylab --- spectral reflectance measurements of Southern California [E74-10481] p0194 N74-22005 p0174 N74-28828 Skylab systems flight performance - An interim report Utilizing ERTS imagery to detect plant diseases and p0225 A74-29031 SPECTRAL RECONNAISSANCE
Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 nutrient deficiencies, soil types and soil moisture levels ---Remote sensing geophysics from Skylab --- Southern Tennessee [E74-10629] California and Nevada p0174 N74-28865 n0194 N74,22008 SOIL SCIENCE Use of Skylab data to assess and monitor change in the southern California environment; the California desert SPECTRAL REFLECTANCE Evaluation and comparison of ERTS measurements of major crops and soil associations for selected test sites in Results of spectrophotometric measurements of natural rmations from the spacecraft 'Soyuz-9' and investigations program - resource inventory and analysis --- environmentoring, ecology, and tectonics of southern C the central United States --- Texas, Indiana, Kansas, Iowa, Correlation of remote sensing imagery of the coast of southern and Baja California with terrain analysis [AD-773598] of environment from space p0219 A74-30 Seasonal canopy reflectance patterns of wheat, sorgi Nebraska, and North Dakota p0219 A74-30792 [E74-10474] pQ168 N74-21998 and soybean nd soybean p0167 A74-30795
Field spectroscopy for multispectral remote sensing - An
allytical approach p0219 A74-31869 Irrigation scheduling, freeze warning and soil salinity detecting [E74-10541] analytical approach p0171 N74-25859 Fault tectonics and earthquake hazards in the Peninsular The spectral reflectance of a vegetated surface. II - An Ranges, southern California eight-channel-radiometer for measure [E74-10528] nents of the reflected p0195 N74-25846 D0220 A74-34636 Oil pollution detection, monitoring and law enforcement - Gulf of Mexico and southern coast of California Target image frequency spectrum in Doppler radars Develop techniques and procedures, using multispectral p0221 A74-37295 [E74-10559] p0184 N74-27771 A cloud physics investigation utilizing Skylab data 74-10441] p0221 N74-21966 systems, to identify from remotely sensed data the physical and thermal characteristics of plants and soil --- southern [E74-10441] Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California Remote sensing geophysics from Skylab --- spectral [E74-10565] p0196 N74-27778 reflectance measurements of Southern Cali p0168 N74-22010 A technique for correcting ERTS data for solar and atmospheric effects -- Michigan test site [E74-10489] Fault tectonics and earthquake hazards in the Peninsular Reflectance of vegetation, soil, and water --- effects of Ranges, southern California [E74-10570] measurable plant parameters on multispectral signal p0197 N74-28814 variations Water demand studies in southern California p0210 N74-28853 [E74-10489] p0213 N74-22013
Remote sensing geophysics from Skylab --- spectral
reflectivity and hematite distribution at Twentynine Palms. [E74-10539] Radar ground returns. Part 3: Further measurements on the radar backscatter of vegetation and SOUTHERN HEMISPHERE California Develop techniques and procedures, using multispectral stems, to identify from remotely exceed 10. An evaluation of May 1971 satellite-derived sea surface [E74-10521] p0196 N74-26860 temperatures for the Southern Hemisphere --- using NOAA 74-10521] Introduction --- MSS photography of winter wheat in ansas p0173 N74-27796 systems, to identify from remotely sensed data the physical antallita and thermal characteristics of plants and soil (NOAA-TR-NESS-69) te /4-10556] Evaluation of ERTS-1 imagery for mapping Queternary deposits and landforms in the Great Plains and Midwest ... Illinois, Nebraska, Iowa, Missouri, and Kansas [574-10614] p0201 N74-25870 Seasonal canopy reflectance patterns of wheat, sorghum Selected translations from Bulletin of the Soviet Antarctic and soybean --- Kansas [CONTRIB-1385] Expedition p0173 N74-27798 UPRS-620191 p0207 N74-25871 Reflectance of vegetation, soil, and water SOVEREIGNTY [E74-10647] p0175 N74-28880 74-10614] p0198 N74-27789 Reflectance of vegetation, soil, and water 74-10647] p0175 N74-28880 Practical use of space vehicles in the light of the principle SPECTRAL RESOLUTION

of state sovereignty over natural resou

p0225 A74-29008

imagery data

Combined spectral and spatial processing of ERTS agery data p0211 A74-30791

PECTRAL SIGNATURES		SUB
Evaluation of ERTS-1 image sensor spatial resolution in	Quantitative determination of stratospheric aerosol	SURFACE PROPERTIES
photographic form	characteristics [E74-10607] p0224 N74-28840	Terrain properties and topography altimetry
[E74-10484] p0221 N/4-22008 PECTRAL SIGNATURES	STREAMS	[E74-10462] p0
Improvements in estimating proportions of objects from	Preliminary report on sand-streaming in Agadez and	Optical modeling of agricultural fields an rock and mineral surfaces
multispectral data [NASA-CR-134252] p0213 N74-22049	Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967	[NASA-CR-134243] p0
The NASA earth resources spectral information system:	Optical data processing analysis of stream patterns	Remote detection of ocean features in the
A data compilation, second supplement	exhibited on ERTS-1 imagery	using ERTS-1 data [E74-10602] p0
[NASA-CR-134267] p0213 N74-22051 Quality of signatures spectral signatures of winter	[E74-10456] p0205 N74-21981	Determination of sea surface condition
wheat grown in Texas	Remote sensing in sampling site location in lakes and streams water quality in Tennessee	L-band and Radscat passive microwave
[NASA-CR-134263] p0169 N74-22053	[PB-227846/3] p0208 N74-26941	Amazon Basin [E74-10577] p0
Signature extension: An approach to operational multispectral surveys	STRESS (PHYSIOLOGY)	SURFACE ROUGHNESS
[NASA-CR-134254] p0214 N74-22608	Remote sensing of changes in morphology and physiology of trees under stress for detecting Fornes annosus	Microwave radiometer measurements
Reflectance of vegetation, soil, and water effects of	[NASA-CR-138392] p0170 N74-22962	Canal pO SURFACE TEMPERATURE
measurable plant parameters on multispectral signal variations	STRIP MINING	An evaluation of May 1971 satellite-de
[E74-10539] p0171 N74-25857	Applicability of Skylab remote sensing for detection and	temperatures for the Southern Hernispher
Post-analysis report on Chesapeake Bay data processing	monitoring of surface mining activities Ohio, West Virginia, Pennsylvania, Indiana, Kentucky, and Illinois	1 satellite [NOAA-TR-NESS-69] p0
spectral analysis and recognition computer signature extension	[E74-10465] p0194 N74-21990	Atmospheric effects on remote sensing
[NASA-CR-137461] p0215 N74-26899	Automated strip-mine and reclamation mapping from	temperature sources
Multispectral signatures in relation to ground control	ERTS [E74-10490] p0194 N74-22014	[NASA-CR-129028] p0 Estimation of sea surface temperature
signature using nested sampling approach California [E74-10625] p0216 N74-27792	Applicability of Skylab remote sensing for detection and	sensing in the 11-13 micron window reg
PECTROPHOTOMETRY	monitoring of surface mining activities Ohio, West	[NASA-TM-X-70649] p0
The application of the Correlation Spectrometer to	Virginia, and Pennsylvania [E74-10572] p0197 N74-28816	SURFACE WATER Use of aerial photography to quantitative
ambient air quality and source emissions p0178 A74-29712	[E74-10572] p0197 N74-28816 STRUCTURAL PROPERTIES (GEOLOGY)	quality parameters in surface water mixing
Results of spectrophotometric measurements of natural	The Great Basin investigation geological structure and	p0
formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792	lithology	SURVEYS Investigation of Skylab data
PECTRORADIOMETERS	[E74-10499] p0193 N74-21959 Experiment to evaluate feasibility of utilizing Skylab-EREP	[E74-10549] p0
Field spectroscopy for multispectral remote sensing - An	remote sensing data for tectonic analysis of the Bighorn	SUSPENDING (MIXING) Suspended solids analysis using ERTS-
analytical approach p0219 A74-31869 The spectral reflectance of a vegetated surface. II - An	Mountains region, Wyoming-Montana	p0
eight-channel-radiometer for measurements of the reflected	[E74-10455] p0193 N74-21980	SYNCHRONOUS METEOROLOGICAL S
radiation field p0220 A74-34636	Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery	The ITOS weather satellite in sun-s for atmospheric temperature monitoring
Use of radiometric measurements in the microwave band for spectral investigations of the earth's upper	[E74-10456] p0205 N74-21981	p0
atmosphere p0220 A74-36675	Geologic information from satellite images geological	SYNCHRONOUS SATELLITES
Remote atmospheric sensing with an airborne laser	interpretation of ERTS-1 and Skylab multispectral photography of Rocky Mountain areas	Cloud shadow calculation for space so the earth surface pC
absorption spectrometer p0221 A74-37476 Spectroradiometric measurements of Lake Monroe,	[E74-10507] p0195 N74-22954	SYSTEMS ENGINEERING
Indiana	New uses of shadow enhancement interpretation of	Design study for the ERAF data proce
[E74-10472] p0206 N74-21996 Research in remote sensing of agriculture, earth	geologic structures from photographic or scanner imagery of Colorado	[ESRO-CR(P)-352] pC Skylab Earth Resource Experiment Pack
resources, and man's environment	[E74-10509] p0214 N74-22956	review conference
[NASA-CR-138885] p0175 N74-28892	Study of arcuate structural trends in Utah and Nevada	[NASA-CR-138380] pC
PECTROSCOPIC ANALYSIS Further developments in correlation spectroscopy for	using ERTS-1 imagery [E74-10526] p0195 N74-25845	_
remote sensing air pollution p0137 A74-29705	Applications of remote sensing in resource management	Т
The application of electro-optical techniques to sensing	in Nebraska	
of stationary source pollutants p0178 A74-29715 Field spectroscopy for multispectral remote sensing - An	[NASA-CR-138602] p0228 N74-26875	TABLES (DATA) Basic research and data analysis for the
analytical approach p0219 A74-31869	Ground magnetometer survey in the Valley of Ten Thousand Smokes, Alaska	Satellite Program and for the Earth an
PECTRUM ANALYSIS Post-analysis report on Chesapeake Bay data processing	[NASA-CR-138779] p0196 N74-26907	Application Program
spectral analysis and recognition computer signature	The Great Basin investigation lithology and geological	[NASA-CR-138671] pC TECHNOLOGY ASSESSMENT
extension	structures [E74-10561] p0196 N74-27772	Skylab systems flight performance - A
[NASA-CR-137461] p0215 N74-26899	Fault tectonics and earthquake hazards in the Peninsular	Comparison of four independent soil su
Marking ERTS images with a small mirror reflector	Ranges, southern California	interpretation, Paphos area /Cyprus/ po
p0211 A74-33068	[E74-10565] p0196 N74-27776 Iron-absorption band analysis for the discrimination of	Earth Resources Technology Satellite 1
TANDARDIZATION A standard method for expressing instrumental	iron-rich zones Goldfield, Nevada	object earth pt
performance pO178 A74-29711	[E74-10615] p0196 N74-27790	TECHNOLOGY TRANSFER Education and training in remote sens
TATISTICAL ANALYSIS Statistical properties of the background noise for the	Mineral exploration potential of ERTS-1 data porphyry	p(
atmospheric windows in the intermediate infrared region	copper deposits in Arizona [E74-10608] p0197 N74-28841	TECHNOLOGY UTILIZATION
pO219 A74-29856	Some illustrations of the advantages of improved	International Cryogenic Engineering (
Statistical interpretation of pollution data from satellites for levels distribution over metropolitan area	resolution in geologic studies photogeologic mapping	Kyoto, Japan, May 7-10, 1974, Preprint
[AIAA PAPER 74-852] pO180 A74-37844	of Wyoming geologic structures [E74-10628] p0198 N74-28864	pl
Statistical methods of studying natural objects	Geologic structure analysis using radar imagery of the	Utilization of space technology for terro
stochastic processes in optical data processing [JPRS-82251] p0216 N74-27814	coal mining area of Buchanan County, Va. [PB-228689/6] p0198 N74-28919	applications possible Research on the application of satelli
TATISTICAL DISTRIBUTIONS	SULFUR OXIDES	to local, state, regional and national progr
Calculating cloud shadows when simulating a space	The application of the Correlation Spectrometer to	resource management and environments
survey of the earth's surface p0191 N74-29057	ambient air quality and source emissions p0178 A74-29712	[NASA-CR-138173] p Applications of Saturn/Apollo autom
STEREOPHOTOGRAPHY Holographic stereogram display techniques for the	SUNLIGHT	capabilities to problems and environmenta
viewing and mensuration of stereo photogrammetric	Estimation of sunlight penetration in the sea for remote	transportation
imagery [AD-778790] p0191 N74-28924	sensing [NASA-TM-X-70643] p0200 N74-22059	[NASA-CR-120216] pt
BTOCHASTIC PROCESSES	The calculation of cloud shadows in modeling of the	NASA authorization, 1975, part 3 [GPO-31-032] pt
Clutter return from vegetated areas stochastic model	earth's surface from space survey [NASA-TT-F-15685] p0189 N74-25890	Catalog of operational satellite produc
prediction p0167 A74-29046	SUPERCONDUCTIVITY	[NOAA-TM-NESS-53] p
Statistical methods of studying natural objects	International Community Fundamental Confessions Eth	TECTONICS

International Cryogenic Engineering Conference, 5th, Kyoto, Japan, May 7-10, 1974, Preprints. Volumes 1 & 2 p0220 A74-35287

SUPERCONDUCTORS

A superconducting airbourne mineral detection system p0193 A74-35298

SUPERHETERODYNE RECEIVERS

Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength p0221 A74-37520

SUPPORT SYSTEMS

Skylab Earth Resource Experiment Package critical design review --- conference [NASA-CR-138380] p0227 N74-22961

from Skylab 188 N74-21987

169 N74-22046

e Lesser Antilles 203 N74-27785

ns using Skylab radiometers ---

203 N74-28820

of the Cape Cod 199 A74-37395

rived sea surface

e --- using NOAA 201 N74-25870

222 N74-25878

re from remote

201 N74-25888

ely estimate water ng zones 206 N74-22944

0215 N74-25865

-A data)179 A74-30797

ATELLITE ynchronous orbit

219 A74-32731

urvey modeling of 0187 A74-33905

ssing facility 0213 N74-22061 age critical design

227 N74-22961

National Geodetic d Ocean Physics 0190 N74-26869

An interim report 0225 A74-29031 rveys by air-photo 0167 A74-30530

 Space research 0226 A74-35982

ing 0225 A74-33070

0225 A74-29451 Conference, 5th, ts. Volumes 1 & 2 0220 A74-35287

estrial solar power 0226 A74-36226

ite remote sensing

al quality 0226 N74-22047

ated data system al impacts of urban

0182 N74-23480

0227 N74-23502

0227 N74-25898

TECTONICS
Experiment to evaluate feasibility of utilizing Skylab-EREP

remote sensing data for tectonic analysis of the Bighorn Mountains region, Wyoming-Montana [E74-10455] p0193 N74-21980

p0193 N74-21980
An integrated study of earth resources in the State of California based on Skylab and supporting aircraft data --environmental monitoring, tectonics, ecology, and forest management in California
[E74-10495] p0226 N74-22018

Use of Skylab data to assess and monitor change in the southern California environment; the California desert program - resource inventory and analysis -- environment monitoring, ecology, and tectonics of southern California desert areas

STRATOSPHERE

[E74-10438]

characteristics [E74-10550]

stochastic processes in optical data processing
[JPRS-62251] p0216-N74-27814

Measurement of the abundance of several natural

stratospheric trace constituents from high altitude aircraft pO177 A74-29702

Remote-sensing the stratospheric aerosols --- balloon monitoring of vertical concentration p0178 A74-29719 Quantitative determination of stratospheric aerosol

Quantitative determination of stratospheric aerosol

p0212 N74-21963

p0222 N74-25866

SUBJECT INDEX		U.S.S.R.
Geologic information from satellite images geological	Detection of moisture and moisture related phenomena	Thermal contouring of forestry data: Wallops Island
interpretation of ERTS-1 and Skylab multispectral photography of Rocky Mountain areas	from Skylab infrared photography of Texas/New Mexico	[NASA-CR-137459] p0172 N74-26904
[E74-10507] pO195 N74-22954	[E74-10471] p0206 N74-22948	Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwar
Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California	Detection of moisture and moisture related phenomena from Skylab correlation of S-193 radiometer temperature	mistletoe
[E74-10528] p0195 N74-25846	and backscatter coefficient with soil moisture content	[NASA-CR-138806] p0173 N74-27804 Automatic photointerpretation for plant species and stress
Identification and interpretation of tectonic features from	[E74-10540] p0171 N74-25858	identification (ERTS-A1)
ERTS-1 imagery Coastal Ranges of California [E74-10520] p0195 N74-26859	Irrigation scheduling, freeze warning and soil salinity detecting	[E74-10592] p0174 N74-28834
Applications of remote sensing in resource management	[E74-10541] p0171 N74-25859	TOPOGRAPHY Synthetic interferometer radar for topographic mapping
in Nebraska	A study of early detection of insect infestations and density/distribution of host plants Rio Grande Valley	p0187 A74-35133
[NASA-CR-138602] p0228 N74-26875	of Texas	Analytic rectification for the compilation of topographic
Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California	[E74-10560] p0173 N74-28811	maps and photomaps in a given projection p0187 A74-36382
[E74-10565] pO196 N74-27776	Irrigation scheduling, freeze warning and soil salinity detecting Cameron and Starr Counties, Texas	Terrain properties and topography from Skylat
Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California	[E74-10569] p0174 N74-28813	altimetry
(E74-10570) p0197 N74-28814	A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in	[E74-10462] pO188 N74-21987 Management of natural resources through automatic
Mineral exploration potential of ERTS-1 data porphyry	Rio Grande Valley of Texas-Mexico border	cartographic inventory
copper deposits in Arizona [E74-10508] p0197 N74-28841	[E74-10601] p0174 N74-28836 Terrain properties and topography from Skylab altimetry	[E74-10518] p0189 N74-25843
TEMPERATURE DISTRIBUTION	Lake Michigan, Lake Huron, Iowa, and Texas	Terrain properties and topography from Skylab altimetry
Estimation of sea surface temperature from remote	[E74-10619] p0191 N74-28847	[E74-10597] p0190 N74-27783
sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888	A study of early detection of insect infestations and density/distribution of host plants Rio Grande Valley	Terrain properties and topography from Skylab altimetry
The accuracy of satellite temperature sounding of the	of Texas	Lake Michigan, Lake Huron, Iowa, and Texas [E74-10619] p0191 N74-28847
atmosphere	[E74-10638] p0175 N74-28872 A study of the early detection of insect infestations and	S-193 impulse response cross correlation Oregon,
[NASA-TT-F-15690] p0222 N74-25891 TEMPERATURE MEASUREMENT	density/distribution of host plants Rio Grande Valley	Colorado, Montana, Texas, Gulf Coast, and Mexico [E74-10652] p0191 N74-28885
The accuracy of satellite temperature sounding of the	of Texas [E74-10639] p0175 N74-28873	[E74-10652] p0191 N74-28885 TRACE ELEMENTS
atmosphere [NASA-TT-F-15690] p0222 N74-25891	Reflectance of vegetation, soil, and water	Measurement of the abundance of several natural
TEMPERATURE MEASURING INSTRUMENTS	[E74-10647] pO175 N74-28880	stratospheric trace constituents from high altitude aircraft
The ITOS weather satellite in sun-synchronous orbit	Design data collection with Skylab/EREP microwave instrument S-193 Texas, Minnesota, and Kansas	p0177 A74-29702 TRACKING STATIONS
for atmospheric temperature monitoring p0219 A74-32731	[E74-10650] p0224 N74-28883	NASA directory of observation station locations, volume
TENNESSEE	S-193 impulse response cross correlation Oregon, Colorado, Montana, Texas, Gulf Coast, and Mexico	1 [NASA-TM-X-69902-VOL-1] p0227: N74-22890
The hydrologic significance of faults in the Great Smoky	[E74-10652] p0191 N74-28885	NASA directory of observation station locations, volume
Mountains National Park [E74-10460] p0205 N74-21985	TEXTURES	2
Remote sensing in sampling site location in lakes and	Combined spectral and spatial processing of ERTS imagery data p0211 A74-30791	[NASA-TM-X-69902-VOL-2] p0227 N74-22891 TRANSFORMATIONS (MATHEMATICS)
streams water quality in Tennessee [PB-227846/3] p0208 N74-26941	THAILAND	Analytic rectification for the compilation of topographic
[PB-227846/3] p0208 N74-26941 Utilizing ERTS imagery to detect plant diseases and	Thailand national programme of the Earth Resources Technology Satellite	maps and photomaps in a given projection p0187 A74-36382
nutrient deficiencies, soil types and soil moisture levels	[E74-10631] p0230 N74-28867	TRANSMITTANCE
Tennessee [E74-10629] p0174 N74-28865	THEMATIC MAPPING Investigation of Skylab imagery for application to thematic	Application of infrared line models in the detection of atmospheric pollutants
Hydrologic significance of lineaments in central	mapping	[AIAA PAPER 74-651] p0180 A74-35906
Tennessee (formerly hydrologic significance of faults in the	[E74-10496] p0188 N74-22021	TREES (PLANTS)
Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874	THERMAL EMISSION Thermal infrared imagery of The Burning Mountain coal	Remote sensing of changes in morphology and physiology of trees under stress for detecting Formes annosus
TERRAIN ANALYSIS	fire p0193 A74-30798	[NASA-CR-138392] p0170 N74-22982
Experiments in complex interpretation of aerial	THERMODYNAMIC PROPERTIES	A study of early detection of insect infestations and density/distribution of host plants Rio Grande Valley
photographs p0187 A74-32475 Cloud cover effect during earth surface feature	Develop techniques and procedures, using multispectral systems, to identify from remotely sensed data the physical	of Texas
identification by visual and photographic observations from	and thermal characteristics of plants and soil southern	[E74-10560] p0173 N74-28811 A study of early detection of insect infestations and
space p0187 A74-33906	Texas [E74-10486] p0168 N74-22010	density/distribution of host plants Rio Grande Valley
The S-193 radar altimeter experiment onboard Skylab for earth surface profile measurement p0187 A74-35138	THERMOPHYSICAL PROPERTIES	of Texas
Analytic rectification for the compilation of topographic	Develop techniques and procedures, using multispectral systems, to identify from remotely sensed data the physical	[E74-10638] p0175 N74-28872 A study of the early detection of insect infestations and
maps and photomaps in a given projection p0187 A74-36382	and thermal characteristics of plants and soil	density/distribution of host plants Rio Grande Valley
Terrain properties and topography from Skylab	[E74-10556] p0172 N74-27770	of Texas (E74-10639) p0175 N74-28873
altimetry	TIDES Remote sensing as an aid for marsh management	TRIANGULATION
[E74-10462] p0188 N74-21987	[NASA-CR-138256] p0182 N74-22976	Skylab A proposal aerotriangulation with very small scale
Correlation of remote sensing imagery of the coast of southern and Baja California with terrain analysis	TIMBER IDENTIFICATION	photography Durham, North Carolina to Cape May, New Jersey
[AD-773598] p0213 N74-22085	Skylab data as an aid to resource management in northern California timber identification and forest management	[E74-10459] p0221 N74-21984
Circular scan synthetic aperture radar for terrain imaging p0222 N74-25668	in northern California p0168 N74-22019	Aerial analytical triangulation cost analysis of aerial photography for mapping applications
Skylab support	Automatic photointerpretation for plant species and stress	[PB-227276/3] p0189 N74-23032
[E74-10548] p0227 N74-25864 Terrain properties and topography from Skylab	identification (ERTS-A1) [E74-10592] p0174 N74-28834	TROPICAL METEOROLOGY Radar observations of convection in the region of the
altimetry	TIMBER INVENTORY	intertropical convergence zone over the equatorial Atlantic
[E74-10597] p0190 N74-27783 Statistical methods of studying natural objects	Inventory of forest and rangeland resources, including forest stress Black Hills, Manitou, Colorado, and Atlanta,	Ocean p0199 A74-34508
stochastic processes in optical data processing	Georgia +	A multi-sensor analysis of Nimbus 5 data on 22 January
[JPRS-82251] p0216 N74-27814	[E74-10530] p0171 N74-25848	1973 meteorological parameters
Terrain properties and topography from Skylab altimetry Lake Michigan, Lake Huron, Iowa, and Texas	Inventory of forest and rangeland and detection of forest stress Black Hills, Manitou, Colorado, and Atlanta,	[NASA-TM-X-70833] p0221 N74-22115 TUNDRA
[E74-10619] p0191 N74-28847	Georgia test sites	Preliminary vegetation map of the Espenberg Peninsula,
A survey of terrain radar backscatter coefficient measurement programs	[E74-10558] p0171 N74-25868	Alaska, based on an Earth Resources Technology Satellite image
[E74-10634] p0224 N74-28868	Thermal contouring of forestry data: Wallops Island [NASA-CR-137459] p0172 N74-26904	[E74-10544] p0171 N74-25862
TERRESTRIAL RADIATION Infrared radiometer for geological mapping mapping	TIMBER VIGOR	TURBIDITY Correlation of coastal water turbidity and circulation with
of earth infrared radiation distribution	Forest insect damage from high-altitude color-IR photos p0167 A74-33069	ERTS-1 and Skylab imagery
[AD-776888] p0222 N74-25913 TEXAS	Remote sensing of changes in morphology and physiology	[E74-10532] p0201 N74-25850
Evaluation and comparison of ERTS measurements of	of trees under stress for detecting Formes annosus	Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay
major crops and soil associations for selected test sites in	[NASA-CR-138392] p0170 N74-22962	[E74-10589] p0209 N74-28831
the central United States Texas, Indiana, Kansas, Iowa, Nebraska, and North Dakota	Inventory of forest and rangeland and detection of forest stress Black Hills, Manitou, Colorado, and Atlanta,	
[E74-10474] p0168 N74-21998	Georgia test sites	U
Develop techniques and procedures, using multispectral systems, to identify from remotely sensed data the physical	[E74-10558] p0171 N74-25888 Monitoring forest land from high altitude and from	
and thermal characteristics of plants and soil southern	space	U.S.S.R. Application of space-oriented equipment in earth
Texas	[NASA-CR-138624] p0172 N74-26868	resources studies and in environmental control - An aircraft
[E74-10488] p0168 N74-22010		-0220 474 22002
Consity of signatures spectral signatures of within	Post-analysis report on Chesapeake Bay data processing spectral analysis and recognition computer signature	experiment p0220 A74-33903
Quality of signatures spectral signatures of winter wheat grown in Texas [NASA-CR-134263] p0169 N74-22053	spectral analysis and recognition computer signature extension [NASA-CR-137461] p0215 N74-26899	Cloud cover effect during earth surface feature identification by visual and photographic observations from space p0187 A74-33906

Meteorology and Hydrology No. 4, 1974 ··· weather and hydrological forecasting services in USSR	UNIVERSITI Activities
[JPRS-62306] p0210 N74-29051 UNDERWATER ACOUSTICS	· social fa
A feasibility study for the remote measurement of	UNIVERSITY
underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-26952 UNITED STATES OF AMERICA	ERTS-A Departmen [E74-1061
Variations of meteorology, pollutant emissions, and air	UPPER ATM
quality p0178 A74-29717 Monitoring coastal water properties and current	Use of ra
circulation with spacecraft p0179 A74-29721	for spect atmosphere
The Great Basin investigation geological structure and	URANIUM
[E74-10499] p0193 N74-21959	Application of the Bor
Skylab/EREP application to ecological, geological and	uranium ex
oceanographic investigations of Delaware Bay [E74-10437] p0199 N74-21962	(E74-1050
ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New	Planning
England	County [E74-1044
[E74-10453] p0205 N74-21978 Urban and regional land use analysis: CARETS and	Investiga
Census Cities experiment package Chesapeake Bay.	[E74-1052
Maryland, and District of Columbia [E74-10473] p0181 N74-21997	Some fit imagery fo
The use of ERTS imagery in reservoir management and	[E74-1063
operation [E74-10485] p0206 N74-22009	URBAN PLA
Cartographic evaluation of Skylab-A S-192 scanner	Planning County
images [E74-10538] p0189 N74-25856	[E74-1044
ERTS-1 data user investigation of the use of ERTS	URBAN RES
imagery in reservoir management and operation [E74-10542] p0207 N74-25860	residential
New England reservoir management from Skylab and	URBAN TRA
aerial photography [E74-10551] p0207 N74-25867	capabilities
Use of remote sensing in agriculture	transportat [NASA-CR
[NASA-CR-62098] p0172 N74-26876 Post-analysis report on Chesapeake Bay data processing	USER MAN
spectral analysis and recognition computer signature	ASTEP [NASA-CR
extension [NASA-CR-137461] p0215 N74-26899	UTAH
The Great Basin investigation lithology and geological	An inter
structures [E74-10561] p0196 N74-27772	for selecte automatic
Monitoring physical and chemical parameters of Delaware	New Mexi
Bay waters with an ERTS-1 data collection platform [E74-10566] p0202 N74-27777	[E74-104: Study o
Flood hazards studies in the Mississippi River basin using	using ERT
remote sensing [NASA-TM-X-70682] p0208 N74-27830	[E74-105; Small s
Earth Resources Technology Satellite: Cumulative US	
standard catalog, 23 July 1972 - 23 July 1973. Volume 1: Observation ID listing	
[NASA-TM-X-70127] p0229 N74-28800	
Earth Resources Technology Satellite: Cumulative US standard catalog. 23 July 1972 - 23 July 1973. Volume	VEGETATIO
2: Coordinate listing	Clutter
[NASA-TM-X-70128] p0229 N74-28801 Earth Resources Technology Satellite: US standard	prediction Season
catalog No. U-18	and soybe
[NASA-TM-X-70126] p0229 N74-28807 Synthesis and analysis of ERTS program. Water	The de- remotely :
resources: Significance, user requirements, remote sensing	An inter
applications [E74-10554] p0209 N74-28810	for selecte automatic
The Great Basin investigation	New Mex
(0404 N74 00004	
[E74-10578] p0191 N74-28821	[E74-104
A comparison of Skylab and ERTS data for agricultural	[E74-104 Range v biomass
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California	[E74-104 Range biomass Wyoming
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586]	[E74-104 Range v biomass Wyoming [E74-104 The NA
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay	[E74-104 Range v biomass Wyoming [E74-104 The NA A data co
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] p0209 N74-28831	[E74-104 Range v biomass Wyoming [E74-104 The NA A data co [NASA-CI To ass
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation — Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery — Delaware Bay [E74-10589] Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery	[E74-104 Ranger bio mass Wyoming [E74-104 The NA A data co [NASA-CI To asse
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832	[E74-104 Ranger biomass Wyoming [E74-104 The NA A data co [NASA-CI To asse evaluation [E74-104 Invento
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northerm Great Valley of California [E74-10586] Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] A study of early detection of insect infestations and	[E74-104 Range v bio mass Wyoming [E74-104 The NA A data co [NASA-CI To assi evaluation [E74-104
A comparison of Skylab and ERTS data for agricultural crop and natural wegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] A study of early detection of insect infestations and density/distribution of host plants cirtus fruit trees in Rio Grande Valley of Texas-Mexico border	[E74-104 Range v biomass Wyoming [E74-104 The NA A data co [NASA-Ci To asse evaluation [E74-105 Invento utilizing d [E74-105 Reflect
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation — Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery — Delaware Bay [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants — citrus fruit trees in	[E74-104 Range v biomass Wyoming [E74-104 The NA A data co [NASA-C! To ass- evaluation [E74-104 Invento utilizing d [E74-105 Reflect measura variations
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] D174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] p0174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States	[E74-104 Range v biomass Wyoming [E74-104 The NA A data co [NASA-CI To ass evaluation [E74-104 Invento utilizing d [E74-105 Reflect measura variations [E74-105
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] p0174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] p0210 N74-28861	[E74-104 Range · biomass Wyoming [E74-104 The NA A data co [NASA-Ci To ass: evaluatior [E74-105 Reflect measura variations [E74-105 Radar on the ray
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] pp.174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10588] Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] po.185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] po.174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] po.210 N74-28861 The United States Geological Survey [USGS-INF-74-2] po.198 N74-28898	[E74-104 Range v biomass Wyoming [E74-104 The NA A data co [NASA-C! To ass evaluastior {E74-105 Reflect measura variations [E74-105 Radar on the ra [PHL-197
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] pp.174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware 8ay [E74-10588] Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] po.185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] po.174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] po.198 N74-28881 The United States Geological Survey [USGS-INF-74-2] po.198 N74-28898 Earth Resources Technology Satellite: US standard catalog No. U-12	[E74-104 Range vior Ra
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] novertories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] p0174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] The United States Geological Survey [VSGS-NIF-74-2] p0198 N74-28898 Earth Resources Technology Setellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906	[E74-104 Range v biomass Wyoming [E74-104 The NA A data co [NASA-Cl To ass evaluation [E74-104 Invento utilizing d [E74-105 Reflect measura variations [E74-105 Radar on the rac [PHL-197 An inte for select automatic
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] pp.0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] pp.0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] pp.0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants cirus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] pp.0174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10622] pp.0198 N74-28881 The United States Geological Survey [USGS-INF-74-2] pp.0198 N74-28898 Earth Resources Technology Stellitie: US standard catalog No. U-12 [NASA-TM-X-7019] pp.0231 N74-28906 Earth Resources Technology Satellitie: US standard	[E74-104 Range biomass Wyoming [E74-104 The NA A data co [NASA-C] To assevaluatior [E74-105 Reflect measura variations [E74-105 Radar on the ra [PHL-197 An interfor select automatic mapping i multispec
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] p0174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] p0210 N74-28881 The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907	[E74-104] Range - biomass Wyoming [E74-104 The NA A data co [NASA-CI To ass: evaluatior [E74-105 Invento utilizing d [E74-105 Reflect measura variations [E74-105 Radar on the ra [PHL-197 An inte for select automatic unditispac multispac [E74-105
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] pp.074 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] neventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] po.0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] po.014 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] po.0198 N74-28881 The United States Geological Survey [USGS-INF-74-2] po.198 N74-28898 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] po.0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] po.0231 N74-28907 [NASA-TM-X-7	[E74-104 Range biom ass Wyoming [E74-104 The NA A data co [NASA-C] To ass evaluatior [E74-105 Reflect measura variations [E74-105 An inte for select automatic mapping imultispec [E74-105 Volcan [E74-105 Volcan [E74-105]]
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] p0174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] p0210 N74-28881 The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907	[E74-104 Range biomass Wyoming [E74-104 The NA A data co [NASA-C] to a ssevaluation [E74-105 Reflect measura variations [E74-105 Radar on the rar [PHL-197 An inter mapping imultispec [E74-105 Voican
A comparison of Skylab and ERTS data for agricultural crop and natural wegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] pp.174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10586] nly the policy of the	[E74-104] Range - biomass Wyoming [E74-104] The NA A data co [NASA-CI To ass. evaluatior [E74-105] Invento utilizing d [E74-105] Reflect measura variations [E74-105] Radar on the ra [PHL-197] An inter for select automatic mapping i multispec [E74-105] Volcan [E74-106] Remot classificat mistletoe
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] pp. 174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] pp. 2029 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] pp. 185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] pp. 174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10622] pp. 198 N74-28881 The United States Geological Survey [USGS-INF-74-2] pp. 198 N74-28898 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70101] pp. 231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70101] pp. 2021 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70101] pp. 2021 N74-28908	[E74-104 Range biomass Wyoming [E74-104 The NA A data co [NASA-C IT of Seven It of I
A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation Colorado Plateau and Northern Great Valley of California [E74-10586] p0174 N74-28829 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery Delaware Bay [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10589] p0185 N74-28832 A study of early detection of insect infestations and density/distribution of host plants citrus fruit trees in Rio Grande Valley of Texas-Mexico border [E74-10601] p0174 N74-28836 The interdependence of lake ice and climate in central North America Canada and United States [E74-10822] p0210 N74-28861 The United States Geological Survey [VSGS-NIF-74-2] p0198 N74-28898 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70109] p0231 N74-28906 Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] p0231 N74-28908 Earth Resources Technology Satellite: US standard catalog No. U-15	[E74-104 Range biomass Wyoming [E74-104 The NA A data co [NASA-C] To assevaluation [E74-105 Reflect measura variations [E74-105 Radar on the ramping imultispec [E74-105 Remother the select measura variations [E74-105 Radar on the ramping imultispec [E74-106 Remother the select measura variations [E74-106 Remother the select measura variation multispec [E74-106 Remother the select mistletoe [NASA-C]

Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 image [E74-10590] p018 of the Social Sciences Group, Berkeley campus s of the Social Sciences Group, Surana, Campaia actors affecting California Water Project p0230 N74-28857 magery p0185 N74-28832 An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using PROGRAM data as a teaching and research tool in the trof Geology automatic data processing techniques 74-10604] p0216 N74-28837 Application of remote sensing in the study of vegetation [E74-10604] p0228 N74-27791 and soils in Idaho OSPHERE [E74-10618] metric measurements in the microwave band Volcanology, geology, and vegetation of Italy and Sicily [E74-10820] investigations of the earth's upper p0220 A74-36675 p0198 N74-28848 An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using pility of remote sensor data to geologic analysis automatic data processing techniques nanza test site Colorado --- hydrogeology and xploration from ERTS-1 MSS photography p0217 N74-28879 Reflectance of vegetation, soil, and water p0195 N74-22955 p0175 N74-28880 VELOPMENT VEGETATION GROWTH applications in east central Florida --- Brevard Management of natural resources through automatic artographic inventory n0181 N74-21973 [F74-10518] p0189 N74-25843 Preliminary vegetation map of the Espenberg Peninsula.

Alaska, based on an Earth Resources Technology Satellite ation of Skylab imagery for regional planning p0183 N74-25844 ndings on the applications of ERTS and Skylab ndings on the applications of the applications p0171 N74-25862 A vegetation map of an area near Fairbanks, Alaska, based on an ERTS image [E74-10545] p0171 N74-25863 ANNING applications in east central Florida ··· Brevard VERMONT p0181 N74-21973 Environmental study of ERTS-1 imagery: Lake Champlain SEARCH ng population from photographically determined land use types p0179 A74-30794 [E74-10517] pO183 N74-25842 VIDEO DATA Scanning multispectrum system in an aircraft experimearth resources studies p0220 A74-ANSPORTATION p0220 A74-33904 tions of Saturn/Apollo automated data system s to problems and environmental impacts of urban VIDEO EQUIPMENT Multispectral scanning system in an aircraft experiment 1-1202161 p0182 N74-23480 to study the earth's resources p0224 N74-29056 UALS (COMPUTER PROGRAMS) VIRGINIA guide and software docum Suspended solids analysis using ERTS-A data p0215 N74-26713 p0179 A74-30797 Skylab A proposal aerotriangulation with very small scale disciplinary analysis of multispectral satellite data photography --- Durham, North Carolina to Cape May, New ed cover types in the Colorado Mountains, using data processing techniques --- Colorado, Utah, p0221 N74-21984 Urban and regional land use analysis: CARETS and Census Cities experiment package --- Chesapeake Bay. ico, and Arizona DO212 N74-21964 of arcuate structural trends in Utah and Nevada Maryland, and District of Columbia S-1 imagery p0195 N74-25845 281 Application of remote sensors to army facility cale land use mapping with radar imagery p0190 N74-27768 [AD-775407] p0182 N74-22621 Use of remote sensing in agriculture V [NASA-CR-62098] p0172 N74-26876 Thermal contouring of forestry data: [NASA-CR-137459] p0 ata: Wallops Island p0172 N74-26904 Urban and regional land use analysis: CARETS and Census Cities experiment package --- Pennsylvania, New return from vegetated areas ----- stochastic model p0167 A74-29046 Jersey, Delaware, Maryland, Virginia, District of Columbia, al canopy reflectance patterns of wheat, sorghum, ban p0167 A74-30795 velopment of ground truth for correlation with Washington, Ca [E74-10581] p0184 N74-28824 Geologic structure analysis using radar imagery of the p0211 A74-34005 sensed data ng area of Buchanan County, Va. [PB-228689/6] p0198 N74-28919

disciplinary analysis of multispectral satellite data ed cover types in the Colorado Mountains, using data processing techniques --- Colorado, Utah, p0212 N74-21964

vegetation type mapping and above-ground green estimations using multispectral imagery

p0168 N74-22017 ASA earth resources spectral information system: mpilation, second supplement

p0213 N74-22051 ess the value of satellite imagery in resource n on a national scale --- South Africa

p0214 N74-25837 ries of Delaware's coastal vegetation and land-use

ligital processing of ERTS-1 imagery

polising N74-25849
ance of vegetation, soil, and water --- effects of ble plant parameters on multispectral signal

p0171 N74-25857 ground returns. Part 3: Further measurements

dar backscatter of vegetation and soils p0171 N74-25961 4-05-PT-31 rdisciplinary analysis of multispectral satellite data ed cover types in the Colorado Mountains, using c data processing techniques --- interpretation and snow avalanche hazards and vegetation cover from

p0215 N74-26862 ology, geology, and vegetation of Sicily and Italy

526] p0197 N74-27793 e sensing applications to forest vegetation tion and conifer vigor loss due to dwarf

R-13806] p0173 N74-27804 parison of Skylab and ERTS data for agricultural natural vegetation interpretation --- Colorado and Northern Great Valley of California p0174 N74-28829

W

Cloud cover effect during earth surface feature identification by visual and photographic observations from

Effect of clouds on recognition of the earth's surface

Satellite geological and geophysical remote sensing of

Ground magnetometer survey in the Valley of Ten Thousand Smokes, Alaska [NASA-CR-138779] p0196 N74-26907

Volcanology, geology, and vegetation of Sicily and Italy [£74-10626] pO197 N74-27793

Volcanology, geology, and vegetation of Italy and Sicily 74-10620] p0198 N74-28848

during visual observations and photography from space

Skylab short-lived event alert program

p0187 A74-33906

p0191 N74-29058

p0194 N74-21992

p0194 N74-22479

VISUAL OBSERVATION

VISUAL PERCEPTION

[NASA-CR-134262]

VOLCANOLOGY

[E74-10620]

WARNING SYSTEMS

Iceland [E74-10467]

Irrigation scheduling, freeze warning and soil salinity [E74-10541] nO171 N74-25859 Irrigation scheduling, freeze warning and soil salinity detecting --- Cameron and Starr Counties, Texas [E74-10569] p0174 N74-28813 WASHINGTON

Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers --- Cascade Range, Washington and Tweedsmuir Glacier, Alaska [E74-10469] p0206 N74-21994

Study to develop improved spacecraft snow survey methods using Skylab/EREP data Cascades, Sierra		
	New England reservoir management from Skylab and aerial photography	An integrated study of earth resources in the State of
Nevadas, and Great Plains	[E74-10551] p0207 N74-25867	California using remote sensing techniques supply, demand, and impact of California water resources
[E74-10476] p0206 N74-22000	Utilization of ERTS-A data in geological evaluation,	[E74-10621] p0229 N74-28849
 Study of time lapse data processing for dynamic 	regional planning, forest management, and water	Introduction California water management and
hydrologic conditions Arizona and Washington [E74-10552] p0208 N74-26865	management in North Carolina [E74-10519] p0215 N74-26858	resources p0210 N74-28850
Study to develop improved spacecraft snow survey	Utilization of EREP data in geological evaluation, regional	WATER RESOURCES New dimensions in satellite hydrology
methods using Skylab/EREP data mapping snow cover	planning, forest management, and water management in.	p0205 A74-33957
in Cascades, Sierra Nevada, and Great Plains	North Carolina [E74-10611] p0228 N74-27787	Study to develop improved spacecraft snow survey
[E74-10562] p0208 N74-27773	[E74-10611] p0228 N74-27787 Cornell University remote sensing program selected	methods using Skylab/EREP data Cascades, Sierra
Urban and regional land use analysis: CARETS and Census Cities experiment package Pennsylvania, New	research projects in land and water resource management	Nevadas, and Great Plains
Jersey, Delaware, Maryland, Virginia, District of Columbia.	[NASA-CR-138749] p0228 N74-27806	[E74-10476] p0206 N74-22000 The use of ERTS imagery in reservoir management and
Washington, California	Synthesis and analysis of ERTS program. Water resources: Significance, user requirements, remote sensing	operation
[E74-10581] p0184 N74-28824	applications	[E74-10485] p0206 N74-22009
Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers Cascade	[E74-10554] p0209 N74-28810	Geologic and mineral and water resources investigations
Mountains Cascade	An integrated study of earth resources in the State of	in western Colorado, using Skylab EREP data
[E74-10606] p0209 N74-28839	California using remote sensing techniques supply, demand, and impact of California water resources	[E74-10487] p0194 N74-22011
WASTE DISPOSAL	[E74-10621] p0229 N74-28849	Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data
Remote sensing report, San Francisco Bay Area, April -	Introduction California water management and	[E74-10492] p0206 N74-22016
July 1972. Volume 1 [PB-227834/9] p0184 N74-26942	resources p0210 N74-28850	Estimation of sunlight penetration in the sea for remote
Remote sensing report, San Francisco Bay Area, April -	Water supply studies California Feather River Watershed p0210 N74-28851	Sensing
July 1972, volume 2 water pollution mapping	Water demand studies in central California Kern	[NASA-TM-X-70643] p0200 N74-22059
[PB-227835/6] p0184 N74-26943	County, California p0210 N74-28852	Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey
WATER	Water demand studies in southern California	[NASA-CR-138398] p0207 N74-22972
Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations	p0210 N74-28853 Activities of the Social Sciences Group, Berkeley campus	Retransmission of water resources data using the ERTS-1
of environment from space p0219 A74-30792	social factors affecting California Water Project	data collection system Canada [E74-10516] p0207 N74-25841
Determination of aerosol content in the atmosphere from	p0230 N74-28857	Environmental study of ERTS-1 imagery: Lake Champlain
ERTS-1 data San Diego, California and Salton Sea	Summary impact of remote sensing on management of California water resources p0230 N74-28860	and Vermont
[E74-10452] p0212 N74-21977	WATER POLLUTION	[E74-10517] p0183 N74-25842
Reflectance of vegetation, soil, and water effects of measurable plant parameters on multispectral signal	Detection of water pollution sources with aerial imaging	 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation
variations	sensors p0178 A74-29708	[E74-10542] p0207 N74-25860
[E74-10539] pO171 N74-25857	Coast Guard Airborne Remote Sensing System for coastal water pollution monitoring p0179 A74-29723	Monitoring physical and chemical parameters of Delaware
Wheat: Its water use, production and disease detection	An airborne laser fluorosensor for the detection of oil	Bay waters with an ERTS-1 data collection platform
and prediction Kansas [E74-10632] p0173 N74-27795	on water p0179 A74-29724	[E74-10566] p0202 N74-27777 S190 interpretation techniques development and
Introduction MSS photography of winter wheat in	Limnological studies and remote sensing of the Upper	application to New York State water resources take
Kansas p0173 N74-27796	Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30796	eutrophication
Reflectance of vegetation, soil, and water	Suspended solids analysis using ERTS-A data	[E74-10593] p0208 N74-27779 The ERS satellite cost benefit study
[E74-10647] pO175 N74-28880	p0179 A74-30797	[PB-226777/1] pO228 N74-27849
WATER CIRCULATION	ERTS-1 views an oil slick p0180 A74-30799 Detecting and monitoring oil slicks with aerial photos	Synthesis and analysis of ERTS program. Water
Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125	p0180 A74-33071	resources: Significance, user requirements, remote sensing
Correlation of coastal water turbidity and circulation with	Infrared, radar, and optical applications of ERTS data	applications [E74-10554] p0209 N74-28810
ERTS-1 and Skylab imagery	atmospheric effects in Colorado, lake ice surveillance,	S190 interpretation techniques development and
[E74-10532] p0201 N74-25850	reactional land use, IFYGL (Lake Ontario), water quality monitoring, and oil pollution detection	application to New York State water resources
The circulation of Prince William Sound [E74-10575] p0203 N74-28819	[E74-10497] p0182 N74-22022	[E74-10605] p0209 N74-28838
Correlation of coastal water turbidity and circulation with	Study for a geoscientific aircraft measurement program	Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data
ERTS-1 and Skylab imagery Delaware Bay	p0227 N74-22070	
[E74-10589] p0209 N74-28831	p0227 N74-22070 Use of aerial photography to quantitatively estimate water	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of
[E74-10589] pO209 N74-28831 The application of large numbers of pleasure boats to	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply,
[E74-10589] p0209 N74-28831	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources
[E74-10589] pg.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply,
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources water supply studies California Feather River
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April -	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28850 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April July 1972. volume 2 water pollution mapping	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources water supply studies California Feather River
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California
[E74-10589] po209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] po203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] po204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] po202 N74-28952	p0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10561] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses	D0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources p0229 N74-28849 Introduction California water management and resources p19210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April July 1972. volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coest of California [E74-10559] p0184 N74-27771	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28853 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkely campus
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Cean water color assessment from ERTS-1 RBV and MSS imagery [E74-10551] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] Current measurements in the Salton Sea using ERTS	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972, Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coest of California [E74-10559] p0184 N74-27771 WATER QUALITY Progress report - Detection of dissolved oxygen in water	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April July 1972. volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coest of California [E74-10559] p0184 N74-27771	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California subtern California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10551] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p.0204 N74-28886 WATER DEPTH	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April July 1972. volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] water pollution of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29727	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 Current measurements in the Salton Sea using ERTS multispactral imagery [E74-1053] p.0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April July 1972. volume 2 — water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement — Gulf of Mexico and southern cost of California [E74-10559] p0184 N74-27771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft Remote sensing and lake eutrophication	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 p0210 N74-28850 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10551] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28932 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28836 [E74-10553] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972. volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coest of California [E74-10559] p0184 N74-27771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10821] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28853 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28857 MATER RUNOFF Floodplain mapping and planning for the 50 and 100
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 Current measurements in the Salton Sea using ERTS multispactral imagery [E74-1053] p.0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote	D0227 N74-22070 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April July 1972. volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0202 N74-28983 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p.0202 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p.0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972, Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 WATER QUALITY Progress report Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29721 Remote sensing and take eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [E74-10466] Investigation of environmental indices from the Earth	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project Summary impact of remote sensing on management of California water resources p0230 N74-28850 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] Hydrological basis for forecasting and calculation runoff
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April July 1972. volume 2 p0184 N74-26943 Oil pollution detection, monitoring and law enforcement country of Mexico and southern coast of California [E74-10559] p0184 N74-27771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [E74-10466] p0205 N74-21991 Investigation of environmental indices from the Earth Resources Technology Satellite environmental trends	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Betkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] Hydrological basis for forecasting and calculating runoff by space images of the earth's surface
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-133031] p0208 N74-27813	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources P8-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [P8-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972. volume 2 p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coest of California [F74-10559] WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [F74-10466] p0205 N74-21991 Investigation of environmental indices from the Earth Resources Technology Satellite environmental trends in land use water quality, and air quality in Pennsylvania	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10821] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California Kern County, California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28853 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28867 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-5-15665]
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April July 1972. volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [E74-10466] p0205 N74-21991 Investigation of environmental indices from the Earth Resources Technology Satellite environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475]	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 p0229 N74-28849 p1 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28853 Activities of the Social Sciences Group, Betkeley campus social factors affecting California Water Project p0230 N74-28850 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley. Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665]
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0202 N74-28983 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p.0202 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p.0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] Water demand studies in central California — Kern County, California Power law time dependence of river flood decay and	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972, Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 p0184 N74-26943 Dil pollution detection, monitoring and law enforcement cult of Mexico and southern coast of California [E74-10559] water pollution of dissolved oxygen in water through remote sensing techniques p0179 A74-29721 Remote sensing and lake eutrophication p0184 N74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [E74-10466] newsteading p0181 N74-21991 Investigation of environmental indices from the Earth Resources Technology Satellite environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] Infrared, radar, and optical applications of ERTS data atmospheric effects in Colorado, lake ice surveillance.	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 on the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28853 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-26082/6] p0207 N74-25889 WATER RUNOFF p0207 N74-25889 [NASA-TT-F-15665] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-27813 Water demand studies in central California Kern County, California POwer law time dependence of river flood decay and its relationship to long term discharge frequency distribution	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [E74-10466] Investigation of environmental indices from the Earth Resources Technology Satellite environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] Infrared, radar, and optical applications of ERTS data atmospheric effects in Colorado, lake ice surveillance, reactional land use IFVGL (Lake Ontario), water quality can atmospheric effects in Colorado, lake ice surveillance, reactional land use. FVGL (Lake Ontario), water quality can atmospheric effects in Colorado, lake ice surveillance, reactional land use. FVGL (Lake Ontario), water quality can be atmospheric effects in Colorado, lake ice surveillance, reactional land use. FVGL (Lake Ontario), water quality onter quality of the colorado of the	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Monatnan [PB-226082/6] hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] wATER REMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report (NASA-CR-139031) p0200 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28852	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources P8-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [P8-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972. volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 p0229 N74-28850 p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28850 Water demand studies in central California Kern County, California p0210 N74-28851 Water demand studies in contral California Kern County, California p0210 N74-28852 Water demand studies in southern California Kern County, California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28857 P0230 N74-28859 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana p020 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-15665] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69]
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WW-L25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10553] p.0203 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p.0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p.0208 N74-27813 Water demand studies in certal California — Kern County, California p.0210 N74-28859 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution — California watersheds.	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972, Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana p(P8-226082/6) hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER RUMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellitie [NOAA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperature from remote for the surface temperature from remote for california can be surface temperature from remote for california can be surface temperature from remote for california water from remote for california water from remote for california california water resources surface temperature from remote for california water from remote for california water form remote for california water from remote for california water from california water form remote for california water form remote for california water form california water form california water form remote for california water form california water form remote for california water form california water form california water form california water form california water
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0202 N74-28983 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0203 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22893 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-27813 Water demand studies in central California — Kern County, California p0210 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution—California p0210 N74-28859 WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation — New	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 p0184 N74-26943 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 p0184 N74-26943 Oil pollution detection, monitoring and law enforcement p0184 N74-2771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 p0229 N74-28849 p1 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER REMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25880 [NASA-TT-X-70649] p0201 N74-25888
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10551] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28832 [E74-10591] p0203 N74-28832 [E74-10553] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0204 N74-22659 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-27813 Water demand studies in central California — Kern p0210 N74-28859 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972, Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] wATER WAVES
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPV-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0202 N74-28953 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p.0202 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p.0200 N74-22659 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report (NASA-CR-139031) p.0208 N74-27813 Water demand studies in central California	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources P8-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [P8-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 p0184 N74-26943 Oil pollution detection, monitoring and law enforcement p0184 N74-2771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10821] p0229 N74-28849 lntroduction California water management and resources p0210 N74-28850 Water supply studies California Feather River p0210 N74-28851 Water demand studies in central California County, California p0210 N74-28852 Water demand studies in southern California California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28853 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28857 MATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 An ERTS-1 study of coastal features on the North Carolina
[E74-10589] pO209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] pO203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] pO204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] pD2020 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] pO203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] pO204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] pO200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report (NASA-CR-139031) pO208 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution—California PO210 N74-28852 WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation. New England [E74-10453] Utilization of EREP data in geological evaluation, regional planning, forest management, and water management.	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972, Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972, volume 2 p0184 N74-26943 Oil pollution detection, monitoring and law enforcement p0184 N74-25943 Oil pollution detection, monitoring and law enforcement in Gulf of Mexico and southern coast of California [E74-10559] p0184 N74-27771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29721 Remote sensing and lake eutrophication p0179 A74-29712 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [E74-10466] p0205 N74-21991 Investigation of environmental indices from the Earth Resources Technology Satellite environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] p0181 N74-21999 Infrared, radar, and optical applications of ERTS data atmospheric effects in Colorado, lake ice survivillance, reactional land use. IFYGL (Lake Ontario), water quality monitoring, and oil pollution detection [E74-10497] p0182 N74-2022 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Remote sensing in sampling site location in lakes and streams water quality in Tennessee	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER RUMPER An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellitie [NOAA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TT-X-70649] p0201 N74-25888 WATER WAVES An ERTS-1 study of coastal features on the North Carolina coast
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0202 N74-28983 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p.0203 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p.0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p.0208 N74-27813 p.0208 N74-27813 p.0208 N74-27815 p.0208 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p.0210 N74-28859 WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New England [E74-10453] p.0205 N74-21978 Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in North Carolina	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10821] p0229 N74-28849 lntroduction California water management and resources p0210 N74-28850 Water supply studies California Feather River p0210 N74-28851 Water demand studies in central California County, California p0210 N74-28852 Water demand studies in southern California California p0210 N74-28853 p0210 N74-28853 activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28857 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-2300 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface (INSA-TT-F-15665) p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 WATER WAVES An EATS-1 study of coastal features on the North Carolina coast [E74-10513]
[E74-10589] pO209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] pO203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] pO204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] pD202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] pO203 N74-28832 [E74-10591] pO203 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] pO204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] pO200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] pO208 N74-27813 Water demand studies in central California	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972. volume 2 p0184 N74-26943 Oil pollution detection, monitoring and law enforcement p0184 N74-2771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 on the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25888 WATER NAVES An ERTS-1 study of coastal features on the North Carolina coast [E74-10513] p0201 N74-25839 Determining the geometric characteristics of a sea surface by the signal scattered from it
[E74-10589] p.0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p.0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPV-25] p.0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p.0202 N74-28953 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p.0202 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p.0208 N74-28887 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p.0208 N74-27813 Water demand studies in central California	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972, volume 2 p0184 N74-26943 Oil pollution detection, monitoring and law enforcement p0184 N74-27771 WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of california water resources [E74-10621] p0229 N74-28849 p0229 N74-28849 p1 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER REMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25889 WATER TAM-X-70649] WATER WAVES An ERTS-1 study of coastal features on the North Carolina coast [E74-10513] p0201 N74-25839 Determining the geometric characteristics of a sea surface by the signal scattered from it [AD-777436]
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WW-L-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution—California Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution—California PO210 N74-28859 WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation — New England [E74-10453] p0205 N74-21978 Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in North Carolina [E74-10463] p0205 N74-21988 Remote sensing as an aid for marsh management [NASA-CR-138256] Utilization of ERTS-A data in geological evaluation, regional planning, forest management management management [NASA-CR-138256] Utilization of ERTS-A data in geological evaluation, regional planning, forest management management management police valuation of the sea of the police valuation of the	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972. volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Monatnan p(PB-226082/6) Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER RUMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellitie [NOAA-TR-NESS-69] p0201 N74-25888 An ERTS-1 study of coastal features on the North Carolina coast [E74-10513] p0201 N74-25839 Determining the geometric cheracteristics of a sea surface by the signal scattered from it [AD-777438] p0203 N74-27837 WATERRHEDS
[E74-10589] p0208 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0203 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-27813 Water demand studies in central California — Kern County, California p0210 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution — California p0210 N74-28859 WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation — New England [E74-10463] p0205 N74-21978 Utilization of EREP data in geological evaluation, regional planning, forest management in North Carolina [E74-10463] p0226 N74-21978 Utilization of EREP data in geological evaluation.	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources PB-228105/3] p0184 N74-26940 Remote sensing report, San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report, San Francisco Bay Area, April-July 1972, volume 2 water pollution mapping [PB-227835/6] p0184 N74-26943 Oil pollution detection, monitoring and law enforcement Gulf of Mexico and southern coast of California [E74-10559] WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-37045 Skylab study of water quality Kansas reservoirs [E74-10466] p0205 N74-21991 Investigation of environmental indices from the Earth Resources Technology Satellite environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] p0181 N74-21999 Infrared, radar, and optical applications of ERTS data atmospheric effects in Colorado, lake ice surveillance, reactional land use. FYGL (Lake Ontario), water quality monitoring, and oil pollution detection [E74-10497] p0182 N74-22022 Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Remote sensing in sampling site location in lakes and streams water quality in Fennessee p0206 N74-2944 Remote sensing in sampling site location in lakes and streams water quality in Fennessee form spaceceraft data Oakland County, Michigan [E74-10580] An integrated study of earth resources in the State of California using remote sensing techniques supply.	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of california water resources [E74-10621] p0229 N74-28849 p0229 N74-28849 p1 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28854 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER REMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25889 WATER TAM-X-70649] WATER WAVES An ERTS-1 study of coastal features on the North Carolina coast [E74-10513] p0201 N74-25839 Determining the geometric characteristics of a sea surface by the signal scattered from it [AD-777436]
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28933 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report (NASA-CR-139031) p0208 N74-27813 Water demand studies in central California Kern County, California p0210 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New England [E74-10453] p0205 N74-21978 Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in North Carolina [E74-10463] p0182 N74-22976 Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water management in North Carolina	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972. volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 on the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25889 WATER WAVES An ERTS-1 study of coastal features on the North Carolina coast [E74-10513] p0201 N74-25839 Determining the geometric characteristics of a sea surface by the signal scattered from it [AD-777436] WATERSHEDS ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New England
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 R8V and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPV-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0202 N74-28983 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0202 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-27813 Water demand studies in central California — Kern County, California p0210 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution—California p0210 N74-28859 WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation — New England [E74-10463] p0205 N74-21978 Utilization of EREP data in geological evaluation, regional planning, forest management in North Carolina [E74-10463] p0214 N74-25855 Utilization of ERTS-A data in geological evaluation, regional planning, forest management and water management in North Carolina [E74-104537] p0214 N74-25855	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] Remote sensing report. San Francisco Bay Area, April July 1972. Volume 1 [PB-227834/9] Remote sensing report. San Francisco Bay Area, April July 1972. Volume 2 — water pollution mapping [PB-227835/6] Oil pollution detection, monitoring and law enforcement — Gulf of Mexico and southern coast of California [E74-10559] WATER QUALITY Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 Remote sensing and lake eutrophication p0205 A74-29721 Remote sensing and lake eutrophication p0205 N74-21991 Investigation of environmental indices from the Earth Resources Technology Satellite — environmental trends in land use water quality, and air quality in Pennsylvania [E74-10475] Infrared, radar, and optical applications of ERTS data — atmospheric effects in Colorado, lake ice surveillance, reactional land use, IFVGL (Lake Ontario), water quality monitoring, and oil pollution detection [E74-10497] Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0208 N74-22944 Remote sensing in sampling site location in lakes and streams — water quality in Tennessee [PB-227848/3] Au integrated study of earth resources in the State of California using remote sensing techniques — supply, demand, and impact of California water resources [E74-10521]	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 p1 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 On the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28853 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28865 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25888 WATER TEMPERATURE An exaluation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 WATER TEMPERATURE An ERTS-1 study of coastal features on the North Carolina coast [E74-10513] p0203 N74-27837 WATERSHEDS ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New England [E74-10453] p0205 N74-21978
[E74-10589] p0209 N74-28831 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 WATER COLOR Ocean water color assessment from ERTS-1 RBV and MSS imagery [E74-10651] p0204 N74-28884 WATER CURRENTS A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-28952 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28933 Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] p0204 N74-28886 WATER DEPTH Estimation of sunlight penetration in the sea for remote sensing [NASA-TM-X-70643] p0200 N74-22059 WATER FLOW A study of remote sensing as applied to regional and small watersheds. Volume 1: Summary report (NASA-CR-139031) p0208 N74-27813 Water demand studies in central California Kern County, California p0210 N74-28852 Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution California WATER MANAGEMENT ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New England [E74-10453] p0205 N74-21978 Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in North Carolina [E74-10463] p0182 N74-22976 Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water management in North Carolina	Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 Arial detection of spill sources [PB-228105/3] p0184 N74-26940 Remote sensing report. San Francisco Bay Area, April-July 1972. Volume 1 [PB-227834/9] p0184 N74-26942 Remote sensing report. San Francisco Bay Area, April-July 1972. volume 2	[E74-10613] p0197 N74-28844 An integrated study of earth resources in the State of California using remote sensing techniques supply, demand, and impact of California water resources [E74-10621] p0229 N74-28849 Introduction California water management and resources p0210 N74-28850 Water supply studies California Feather River Watershed p0210 N74-28851 Water demand studies in central California Kern County, California p0210 N74-28852 Water demand studies in southern California p0210 N74-28853 on the feasibility of benefit-cost analysis applied to remote sensing projects p0230 N74-28856 Activities of the Social Sciences Group, Berkeley campus social factors affecting California Water Project p0230 N74-28857 Summary impact of remote sensing on management of California water resources p0230 N74-28860 WATER RUNOFF Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [P8-226082/6] p0207 N74-23030 Hydrological basis for forecasting and calculating runoff by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889 WATER TEMPERATURE An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere using NOAA 1 satellite [NOAA-TR-NESS-69] p0201 N74-25870 Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25889 WATER WAVES An ERTS-1 study of coastal features on the North Carolina coast [E74-10513] p0201 N74-25839 Determining the geometric characteristics of a sea surface by the signal scattered from it [AD-777436] WATERSHEDS ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation New England

Application of remote sensing to hydrology for th	
	e
formulation of watershed behavior models	
[NASA-CR-120278] p0208 N74-2781	1
A study of remote sensing as applied to regional an small watersheds. Volume 1: Summary report	a
[NASA-CR-139031] p0208 N74-2781	3
Automatic classification of eutrophication of inland take	
from spacecraft data Oakland County, Michigan	•
[E74-10580] p0209 N74-2882 Water supply studies California Feather Rive	3
Water suppry studies California Peabler River Watershed p0210 N74-2885	1
WEATHER	
Monitor weather conditions for cloud seeding control -	
Colorado River Basin	_
[E74-10468] p0205 N74-2199 WEATHER FORECASTING	3
Meteorology and Hydrology No. 4, 1974 weather	er e
and hydrological forecasting services in USSR	
[JPRS-62306] p0210 N74-2905	1
WEST VIRGINIA	
Suspended solids analysis using ERTS-A data p0179 A74-3079	7
Applicability of Skylab remote sensing for detection an	
monitoring of surface mining activities Ohio, Wes	st
Virginia, Pennsylvania, Indiana, Kentucky, and Illinois	_
[E74-10465] p0194 N74-2199	0
Applicability of Skylab remote sensing for detection an monitoring of surface mining activities Ohio, Wen	R.P
Virginia, and Pennsylvania	••
[E74-10572] p0197 N74-2881	6
WETLANDS	
Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2777	8
[E/4-10588] po 150 14/4-2/// Inventories of Delaware's coastal vegetation and land-us	
utilizing digital processing of ERTS-1 imagery	
[E74-10590] p0185 N74-2883	
Utilizing ERTS imagery to detect plant diseases an	ıd
nutrient deficiencies, soil types and soil moisture levels -	
Tennessee . [E74-10629] p0174 N74-2886	5
WHEAT	_
Seasonal canopy reflectance patterns of wheat, sorghur	n,
and soybean p0167 A74-3079	
Wheat classification exercise, using 11 June 1973, ERT	5
MSS data for Fayette County, Illinois (for CITARS tas [NASA-CR-134253] p0169 N74-2205	ຄິ
Quality of signatures spectral signatures of wint	
wheat grown in Texas	
[NASA-CR-134263] p0169 N74-2205	
Wheat: Its water use, production and disease detection	חכ
and prediction Kansas [E74-10632] p0173 N74-2779	15
Introduction MSS photography of winter wheat	
Kansas p0173 N74-2779	16
ERTS-1 data collection systems used to predict whe	at
disease severities Riley County, Kansas	
[CONTRIB-1387] p0173 N74-2779	
Seasonal canopy reflectance patterns of wheat, sorghu	
and swheen Kenter	
and soybean Kansas (CONTRIB-1385) p0173 N74-2779	m
[CONTRIB-1385] p0173 N74-2775	m 98
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface	m 88 ial
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775	m 98 181 99
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow	m 98 99 th
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2780	m 98 99 th
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2780 WILDERNESS	m 98 99 th
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland fire	m 98 181 99 th OO
[CONTRIB-1385] p0173 N74-2776 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2776 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland fire control 1985-1995 satellite information system f California fire problems	m 98 sal 99 th 00
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2293	m 98 sal 99 th 00
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-278 WILDERNESS Wildland fire management. Volume 2: Wildland fire control 1985-1995 sateWite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE	m 98 al 99 th 00 ire or
[CONTRIB-1385] p0173 N74-2776 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2778 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraisi	m 98 99 th 00 ire or
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland fire control 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2293 WILDLIFE Utilization of Skylab (EREP) system for appraisis changes in continental migratory bird habitat Nor	m 98 99 th 00 ire or
[CONTRIB-1385] p0173 N74-2776 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2778 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraisi	m 98 99 th 00 re or 70
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2785 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satelilite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high altitude serial photography to invente	m 98 99 th 00 ire or 70 mg th
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2297 WILDLIFE Utilization of Skylab (EREP) system for appraisit changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2207 The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation	m 18 18 19 10 10 10 10 11 11 11 11 11 11
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 sateWite information system f California fire problems [NASA-CR-138400] p0170 N74-2293 WILDLIFE Utilization of Skylab (EREP) system for appraisichanges in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220 The use of high elitude serial photography to invento wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-2201	m 98 99 th 90 or or 70 mg th
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2785 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-220: Utilization of Skylab (EREP) system for appraising the control of	m 98 99 th 90 or or 70 mg th
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraisit changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Utilization of Skylab (EREP) system for appraisit changes in continental migratory bird habitat	m 38 38 39 39 30 30 31 32 32 33
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2785 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-220: Utilization of Skylab (EREP) system for appraising the control of	m 38 38 39 39 30 30 31 32 32 33
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2297 WILDLIFE Utilization of Skylab (EREP) system for appraisi changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2207 The use of high eltitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [IR-2230-14-1] p0169 N74-2207 Utilization of Skylab (EREP) system for appraisi changes in continental migratory bird habitat [E74-10555] p0172 N74-2776 WIND EROSION Preliminary report on sand-streaming in Agadez as	m 98 al 99 th 00 re or 70 mg th 12 mg 89
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraisis changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-220: Utilization of Skylab (EREP) system for appraisis changes in continental migratory bird habitat [E74-10555] p0172 N74-277: WIND EROSION Preliminary report on sand-streaming in Agadez at Tahous Departments. Republic of Niger	m 38 38 39 39 30 30 31 31 32 33 33 34 36 36 36 36 36 36 36 36 36 36
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2297 WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2207 The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-2207 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0172 N74-2771 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-2196	m 38 38 39 39 30 30 31 31 32 33 33 34 36 36 36 36 36 36 36 36 36 36
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland fire control 1985-1995 sateWite information system f California fire problems [NASA-CR-138400] p0170 N74-2293 WILDLIFE Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2203 The use of high eltitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-2201 Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat [E74-10555] p0172 N74-2770 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-2190 WINDOWS (INTERNALS)	m 38 sal 99 th 00 ire or 70 mg th 12 mg 89 md 87
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0188 N74-220: The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-220: Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0172 N74-2771 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahoua Departments. Republic of Niger [E74-10442] WINDOWS (INTERVALS) Estimation of sea surface temperature from reme	m 38 sal 99 th 00 ire or 70 mg th 12 mg 89 md 87
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland fire control 1985-1995 sateWite information system f California fire problems [NASA-CR-138400] p0170 N74-2293 WILDLIFE Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2203 The use of high eltitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-2201 Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat [E74-10555] p0172 N74-2770 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-2190 WINDOWS (INTERNALS)	m 38 al 99 th 00 re or 70 mg th 12 mg 39 md 87 exte
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2297 WILDLIFE Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2207 The use of high eltitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-2207 Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat [E74-10555] p0172 N74-2776 WIND EROBION Preliminary report on sand-streaming in Agadez at Tahoua Departments. Republic of Niger [E74-10442] WINDOWS (INTERVALS) Estimation of sea surface temperature from remotes sensing in the 11-13 micray window region	m 38 al 99 th 00 re or 70 mg th 12 mg 39 md 87 exte
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high eltitude eerial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-220: Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat [E74-10555] p0172 N74-2770 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahoua Departments. Republic of Niger [E74-10442] windless and sense an	m 88 is 99 th 00 ire or 70 mg th 12 mg 88 in 87 in 88 in
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0188 N74-220: The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N78-220: Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10455] WIND EROSION Preliminary report on sand-streaming in Agadez at Tahoua Departments. Republic of Niger [E74-10442] WINDOWS (INTERVALS) Estimation of sea surface temperature from remosensing in the 11-13 micron window region [NASS-TM-X-70649] p0201 N74-258: WINTER Introduction MSS photography of winter wheat Kansas p0173 N74-2771	m 88 all 99 th 00 iron 70 mg th 12 yr 32 mg 89 md 87 ote 88 in 98
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2297 WILDLIFE Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2207 WILDLIFE Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat Nor America [E74-10555] p0168 N74-2207 Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat [E74-10555] p0172 N74-2777 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahoua Departments. Republic of Niger [E74-10442] WINDOWS (INTERVALS) Estimation of sea surface temperature from remosensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-2581 WINTER Introduction MSS photography of winter wheat Kansas	m 88 all 99 th 00 iron 70 mg th 12 yr 32 mg 89 md 87 ote 88 in 98
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high elititude serial photography to invento wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-220: Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] WIND EROSION Preliminary report on sand-streaming in Agadez at Tahous Departments. Republic of Niger [E74-10442] WINDOWS (INTERVALS) Estimation of sea surface temperature from remosensing in the 11-13 micropn window region [NASA-TM-X-70649] p0201 N74-258: WINTER Introduction MSS photography of winter wheat Kansas p0173 N74-277: Application of ERTS imagery to the study of carib movements and winter habitat Arctic Alaska	m 88 all 99 th DO record or 12 and 187 all 188 and 187 all 188 and 188
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2297 WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0188 N74-2207 The use of high altitude serial photography to inventor wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-2207 Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] p0172 N74-2770 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahous Departments. Republic of Niger [E74-10442] p0181 N74-2190 WINDOWS (INTERVALS) Estimation of sea surface temperature from remaining in the 11-13 micron window region [NASA-TM-X-70849] p0201 N74-2580 WINTER Introduction MSS photography of winter wheat Kansas p0173 N74-277. Application of ERTS imagery to the study of carib movements and winter habitat Arctic Alaska [E74-10638] p0175 N74-288	m 88 all 99 th DO record or 12 and 187 all 188 and 187 all 188 and 188
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-229: WILDLIFE Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-220: The use of high elititude serial photography to invento wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-220: Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10555] WIND EROSION Preliminary report on sand-streaming in Agadez at Tahous Departments. Republic of Niger [E74-10442] WINDOWS (INTERVALS) Estimation of sea surface temperature from remosensing in the 11-13 micropn window region [NASA-TM-X-70649] p0201 N74-258: WINTER Introduction MSS photography of winter wheat Kansas p0173 N74-277: Application of ERTS imagery to the study of carib movements and winter habitat Arctic Alaska	m 88 all 99th 00 re or 70 mgth 12 y 32 mg 89 md 87 ot 88 in 890 in 70
[CONTRIB-1385] p0173 N74-2775 Flexible DCP interface environmental sensor and sign conditioning interface [CONTRIB-1397] p0223 N74-2775 Predicting soil moisture and wheat vegetative grow from ERTS-1 imagery Kansas p0173 N74-2786 WILDERNESS Wildland fire management. Volume 2: Wildland ficontrol 1985-1995 satellite information system f California fire problems [NASA-CR-138400] p0170 N74-2297 WILDLIFE Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat Nor America [E74-10488] p0168 N74-2207 The use of high eltitude eerial photography to invente wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-2207 Utilization of Skylab (EREP) system for appraisic changes in continental migratory bird habitat [E74-10555] p0172 N74-2777 WIND EROSION Preliminary report on sand-streaming in Agadez at Tahous Departments. Republic of Niger [E74-10442] WINDOWS (INTERVALS) Estimation of sea surface temperature from remosensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-258: WINTER Introduction MSS photography of winter wheat Kansas Application of ERTS imagery to the study of carib movements and winter habitat Arctic Alaska [E74-10636] wiNSCONSIN	m 88 as 99 th 00 re or 70 mg th 12 y 32 mg 89 md 87 ote 88 in 96 ou 70 ter

Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery ... Wyoming [E74-10493] p0168 N74-22017 Inventory of forest and rangeland resources, including forest stress ... Black Hills, Manitou, Colorado, and Attanta, Georgia [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress ... Black Hills, Manitou, Colorado, and Atlanta, Georgia test sites [E74-10558] p0171 N74-25868 Monitoring forest land from high elititude and from space [NASA-CR-138624] p0172 N74-28868 Multidisciplinary study of Wyoming test sites ... hydrology, biology, geotypermal, and land use [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic structures [E74-10628] p0198 N74-28864

Z

ZOND SPACE PROBES

Photometry of the planet earth from Zond space stations p0187 A74-36376

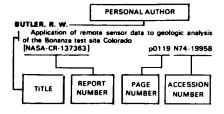
PERSONAL AUTHOR INDEX

Earth Resources / A Continuning Bibliography (Issue 3)

MAY 1975

Typical Personal Author

Index Listing



Listings in this index are arranged alphabetically by personal author. The title of the document provides the user with a brief description of the subject matter. The report number helps to indicate the type of document listed (e.g., NASA report, translation, NASA contractor report). The page and accession numbers are located beneath and to the right of the title, e.g., p 0119 N74-19958. Under any one author's name the accession numbers are arranged in sequence with the AIAA accession numbers appearing first

[F74-10520] ACKLEY, S. F. [AD-775381] ADAMS, D. H resource management [E74-10498] AGARD, S. S. [E74-10624] AHEARN, J. L. conditions ALDRICH, R. C. [E74-10530] [E74-10558] ALEXANDER, R. E74-10581 [E74-10473]

ABDEL-GAWAD, M. ntification and interpretation of tectonic features from nO195 N74-26859 Investigations performed on the Arctic ice dynamics joint operiment, March 1971 p0201 N74-23020

Use of ERTS-A. Skylab, and supporting aircraft to enhance

DO170 N74-22949

ciplinary study of Wyoming to p0230 N74-28863

Tests of remote skywave measure pO199 A74-35125 Inventory of forest and rangeland resources, including

p0171 N74-25848 Inventory of forest and rangeland and detection of forest

p0171 N74-25868

Urban and regional land use analysis: CARETS and Census Cities experiment package

p0184 N74-28824 ALEXANDER, R. H.

Urban and regional land use analysis: CARETS and Census Cities experiment package p0181 N74-21997 Some findings on the applications of ERTS and Skylab

imagery for metropolitan land use analysi [E74-10630] p0 pO185 N74-28866 ALGAZI, V. R.

An integrated study of earth resources in the State of elifornia using remote sensing techniques p0229 N74-28849 [E74-10621] p0210 N74-28851 Water supply studies

Multispectral combination and display of ERTS-1 data nO217 N74-28854

ALISHOUSE, J. HOUSE, J. A cloud physics investigation utilizing Skylab data 74-10441] p0221 N74-21966 [E74-10441] A cloud physics investigation utilizing Skylab data [E74-10567] p0223 N74-28812 ALLEN, R. J. Lidar studies of stack nlumes in rural and urban environments [PB-227347/2] n0182 N74-23189

ALLISON, L J. A multi-sensor analysis of Nimbus 5 data on 22 January

[NASA-TM-X-70633] p0221 N74-22115 AMBARUCH, R.
Application of remo
[NASA-CR-120278] ote sensing to hydr

drology p0208 N74-27811 ANDERSON, A. T.

Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682]

DO208 N74-27830 ANDERSON, D.

New England reservoir management [E74-10551] p0207 N74-25867

ANDERSON, J. H. Preliminary vegetation map of the Espenberg Peninsula. Alaska, based on an Earth Resources Technology Satellite

[E74-10544] p0171 N74-25862

A vegetation map of an area near Fairbanks, Alaska, based on an ERTS image [E74-10545] p0171 N74-25863

ANDERSON, P. W. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jers [NASA-CR-138398] p03 p0207 N74-22972 ANTOS, R. L.

Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] nQ221 N74-22008

Strategies for estimating the marine geoid from altimeter

[NASA-TM-X-70637] p0188 N74-22058 AVANESOV. G. A.

Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft p0220 A74-33903 Scanning multispectrum system in an aircraft experim

in earth resources studies p0220 A74-33904 Application of space techniques to natural resources study environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870

Use of base techniques for environmental nmental resource p0224 N74-29055 studies. An aircraft experiment Multispectral scanning system in an aircraft experiment study the earth's resources p0224 N74-29056 to study the earth's resources

В

BAIR, C. H.

Analysis of laser differential absorption remote ser using diffuse reflection from the earth p0178 A74-29714

BALANDIN, V. N. Complex of programs for computing co-ordinates of photographic points on electronic computers using results of radiogeodesic measurements

p0190 N74-25905 [AD-776104]

BARINOV, I. V. Scanning multispectrum system in an aircraft experiment earth resources studies p0220 A74-33904 in earth resources studies

Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 BARNES, J. C.

Study to develop improved specificant snow survey methods using Skylab /EREP data [E74-10476] DO206 N74-22000

The application of ERTS imagery to monitoring Arctic sea ice [E74-10502] p0200 N74-22951

Study to develop improved spacecraft snow survey methods using Skylab/EREP data [E74-10562] p0208 N74-27773

A study to develop improved spacecraft show survey ethods using Skylab/EREP data: Demonstration of the methods using Skylab/EREP data: utility of the S190 and S192 data [E74-10582] p0209 N74-28825

BARR, B. G.

Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p0226 N74-22047

BARR, J. Design data collection with Skylab/EREP microwave

instrument S-193 [E74-10603] p0223 N74-27786

Design data collection with skylab/EREP microwave t S-193 E74-10584) DO223 N74-28827

Design data collection with Skylab/EREP microwave strument S-193 p0224 N74-28882 [E74-10649]

Design data collection with Skylab/EREP microwave strument S-193 [E74-10650] DO224 N74-28883 ·

BARRICK, D. E.

Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124

BARRINGER, A. R.

Further developments in correlation spectros p0177 A74-29705 remote sensing air pollution

BARTLE, E. R. Measurement of air pollutants from satellites.

Feasibility considerations p0180 A74-31870 BARTLETT, D.

Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10531] p0183 N74-25849 p0183 N74-25849 Inventories of Delaware's coastal vegetation and land-use

utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832

BAUMGARDNER, M. F. Evaluation and comparison of ERTS measurements of

major crops and soil associations for selected test sites in the central United States
[E74-10474] p0168 N74-21998 BECKETT, P. H. T.

Comparison of four independent soil surveys by air-photo interpretation. Paphos area /Cyprus/ p0167 A74-30530 BELCHER, D. J.

Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 BELETSKIY, G. G.

Methodological plan for serial seismic studies at sea and the open ocean JPRS-620751 p0202 N74-26901

BELEW, L. F. Skylab systems flight performance p0225 A74-29031

Applications of remote sensing data to the Alaskan environment

[NASA-CR-138512] p0201 N74-25884 BENSON, A. S. Agricultural interpretation technique development [E74-10491] p0168 N74-

p0168 N74-22015 BERG. D. W. An ERTS-1 study of coastal features on the North Carolina coast

[E74-10513] p0201 N74-25839 BERNSTEIN, R.

All-Digital precision processing of ERTS images [E74-10637] p0217 N74-28871

Comparison of four independent soil surveys by air-photo interpretation, Paphos area /Cyprus/ p0167 A74-30530

BIEHL L. L. A multilevel, multispectral data set analysis in the visible

and infrared wavelength regions [E74-10571] p0223 N74-28815 BILLINGSLEY F C

Machine processing methods for earth observational data p0211 A74-29025

BOCK, P ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation [E74-10453] p0205 N

p0205 N74-21978 ERTS-1 data user investigation of the use of ERTS imagery in reservoir management and operation p0207 N74-25860

BOGLE, R. W. Sea backscatter at HF - Interpretation and utilization of

the echo p0199 A74-35124 BOGOMAZOV, L. S.

Experiments in complex interpretation of aerial potographs p0187 A74-32475 chotographs

The development of ground truth for correlation with p0211 A74-34005 BORDEN, F. Y.

The Penn State ORSER system for processing and analyzing ERTS and other MSS date
[E74-10573] p0216 N74-28817

BORDUNOV, V. D.	C	COLVOCORREGER A D
Practical use of space vehicles in the light of the principle	•	COLVOCORESSES, A. P. Overall evaluation of Skylab (EREP) images for
of state sovereignty over natural resources	CAMBOU, F.	cartographic application
p0225 A74-29008	Management of natural resources through automatic	[E74-10449] p0188 N74-21974
BORTNER, M. H. The remote measurement of trace atmospheric species	cartographic inventory	Remote sensing platforms [USGS-CIRC-693] p0223 N74-27825
by correlation interferometry. I - Carbon monoxide and	[E74-10518] p0189 N74-25843	[USGS-CIRC-693] p0223 N74-27825 COLWELL, R. N.
methane p0177 A74-29703	CAMPBELL, W. J.	Agricultural interpretation technique development
BOUCHILLON, C. W.	A lake and sea ice experiment with Skylab microwave radiometry	[E74-10491] p0168 N74-22015
Application of remote sensing to state and regional	[E74-10616] p0210 N74-28845	An integrated study of earth resources in the State of
problems [NASA-CR-138394] p0182 N74-22973	CAPOZZA, F.	California based on Skylab and supporting aircraft data
A study of the application of Skylab EREP data to	Design study for the ERAF data processing facility	[E74-10495] p0226 N74-22018 Skylab data as an aid to resource management in northern
agriculture in the Mississippi Delta alluvial plains region	[ESRO-CR(P)-352] p0213 N74-22061	California p0168 N74-22019
[E74-10648] pO175 N74-28881	CARTER, W. D.	Use of Skylab data to assess and monitor change in
BOWDEN, L. W.	Evaluation of ERTS-1 data applications to geologic	the southern California environment; the California desert
Use of Skylab data to assess and monitor change in the southern California environment; the California desert	mapping, structural analysis and mineral resource inventory of South America with special emphasis on the Andes	program - resource inventory and analysis
program - resource inventory and analysis	Mountain region	p0182 N74-22020 A comparison of Skylab and ERTS data for agricultural
p0182 N74-22020	[E74-10609] p0197 N74-28842	crop and natural vegetation interpretation
Correlation of remote sensing imagery of the coast of	CASSINIS, R.	[E74-10586] p0174 N74-28829
southern and Baja California with terrain analysis	Volcanology, geology, and vegetation of Sicily and Italy	An integrated study of earth resources in the State of
[AD-773598] p0213 N74-22085	[E74-10626] pO197 N74-27793	California using remote sensing techniques
An integrated study of earth resources in the State of California using remote sensing techniques	Volcanology, geology, and vegetation of Italy and Sicily	[E74-10621] p0229 N74-28849 Introduction p0210 N74-28850
[E74-10621] p0229 N74-28849	[E74-10820] p0198 N74-28848	Introduction p0210 N74-28850 Water supply studies p0210 N74-28851
Water demand studies in southern California	CASTRUCCIO, P. A. Synthesis and analysis of ERTS program. Water	Water demand studies in central California
p0210 N74-28853	resources: Significance, user requirements, remote sensing	p0210 N74-28852
BOWLES, L. W.	applications	Water demand studies in southern California
Clutter return from vegetated areas p0167 A74-29046 BOWLEY, C. J.	[E74-10554] p0209 N74-28810	p0210 N74-28853
The application of ERTS imagery to monitoring Arctic	CHADWICK, D. G.	Multispectral combination and display of ERTS-1 data p0217 N74-28854
sea ice	Integrated measurement of soil moisture by use of radio	Separation of manmade and natural patterns in high
[E74-10502] p0200 N74-22951	W8V85	altitude imagery of agricultural areas p0174 N74-28855
A study to develop improved spacecraft show survey	[P8-227242/5] p0170 N74-23031 CHAHINE, M. T.	On the feesibility of benefit-cost analysis applied to
methods using Skylab/EREP data: Demonstration of the utility of the S190 and S192 data	CHAMINE, M. T. Remote atmospheric sensing with an airborne laser	remote sensing projects p0230 N74-28856
[E74-10582] p0209 N74-28825	absorption spectrometer p0221 A74-37476	Activities of the Social Sciences Group, Berkeley campus p0230 N74-28857
BRESSANIN, G.	CHAMBERS, W.	Investigation of atmospheric effects in image transfer
Design study for the ERAF data processing facility	Use of Skylab data to assess and monitor change in	pO217 N74-28858
[ESRO-CR(P)-352] p0213 N74-22081	the southern California environment; the California desert	Power law time dependence of river flood decay and
BREUER, L	program - resource inventory and analysis p0182 N74-22020	its relationship to long term discharge frequency
Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic	F	distribution p0210 N74-28859 Summary p0230 N74-28860
Ocean p0199 A74-34506	CHANG, C. Y. Skylab S192 data evaluation: Comparisons with ERTS-1	Summary p0230 N74-28860 COOPER, S.
BREWER, W. A.	results	ERTS-1 data user investigation of the use of ERTS
Mineral exploration potential of ERTS-1 data	[E74-10506] p0170 N74-22953	imagery in reservoir management and operation
[E74-10608] p0197 N74-28841	CHANG, D. T.	[E74-10453] p0205 N74-21978
BRIEHL, D. In situ measurement of particulate number density and	Experimental evaluation of atmospheric effects on	The use of ERTS imagery in reservoir management and operation
size distribution from an aircraft	radiometric measurements using the EREP of Skylab	[E74-10485] p0206 N74-22009
[NASA-TM-X-71577] p0185 N74-28936	[E74-10543] p0222 N74-25861 CHAPMAN, E. F.	ERTS-1 data user investigation of the use of ERTS
BROCK, H. I.	Retransmission of water resources data using the ERTS-1	imagery in reservoir management and operation
Circular scan synthetic aperture radar	data collection system	[E74-10542] p0207 N74-25860
p0222 N74-25668	[E74-10516] p0207 N74-25841	New England reservoir management
p0222 N74-25668 BROOKS, E.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L.	New England reservoir management [E74-10551] p0207 N74-25867
p0222 N74-25668	[E74-10516] p0207 N74-25841 CHAPMAN, R. L. A standard method for expressing instrumental	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L
p0222 N74-25668 ROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L Applicability of Skylab remote sensing for detection and	[E74-10516] p0207 N74-25841 CHAPMAN, R. L. A standard method for expressing instrumental pol778 A74-29711	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L Applicability of Skylab remote sensing for detection and monitoring of surface mining activities	[E74-10516] p0207 N74-25841 CHAPMAN, R. L. A standard method for expressing instrumental	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D.
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990	E74-10516	New England reservoir management [274-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] Applicability of Skylab remote sensing for detection and	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental porformance p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S.	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental porformance p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] CHEN, C. S. Optimal interpolation of two dimensional signal	New England reservoir management [274-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [F74-10572] p0197 N74-28816 BROWN, B.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental porformance p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S.	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R.
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sae backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental porformance p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28886 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance	[E74-10518] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping [F74-10440] CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sae backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M.	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE. D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35125 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions D
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, 8. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] CHESNOKOV, IU. M. Application of space-oriented equipment in earth	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G.
p0222 N74-25668 BROOKS, E. Space law and international action p0226 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] BROWN, C. E. Agricultural interpretation technique development [E74-10491] BROWN, G. 8.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental porformance p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-25867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G. Estimation of sea surface temperature from remote
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Tochnology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M.	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE. D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY. B. R. Tests of remote skywave measurement of ocean surface conditions D DALU. G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region
p0222 N74-25668 BROOKS, E. Space law and international action p0226 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] BROWN, C. E. Agricultural interpretation technique development [E74-10491] BROWN, G. 8.	[E74-10518] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70849] p0201 N74-25888
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28818 BROWN, 8. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental porformance p0178 A74-29711 CHASE, P. E. Autometed land-use mapping from spacecraft data p0188 N74-21985 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE. D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY. B. R. Tests of remote skywave measurement of ocean surface conditions D DALU. G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region
p0222 N74-25668 BROOKS, E. Space law and international action p0226 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental porformance p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resources	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28885 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, B. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-38113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment [NASA-TT-F-15683] p0220 A74-33903 CHE SNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment	New England reservoir management [E74-10635]
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, 8. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0228 N74-27870 Use of base techniques for environmental resource study and environmental monitoring: An aircraft experiment p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, 8. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F.
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental po178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] from spacecraft data po188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment [NASA-TT-F-15683] p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-28055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28865 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] BROWN, C. E. Agricultural interpretation technique development [E74-10491] BROWN, G. 8. The S-193 rader plitmeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data p0190 N74-27778 BUCHER, K.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-23907 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, 8. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F.
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-38113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-3903 CHESNOKOV, V. M. Application of space techniques to return p0224 R74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] CIAVOLOGRTELLO, L. A.	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. See backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, 8. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean BUGAYEV, V. A.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental po178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-27870 Use of base techniques for environmental resource study and environmental monitoring: An aircraft experiment p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 CIAVOLICORTELLO, L. A. Design subdy for the ERAF data processing facility	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, 8. R. Tests of remote skywave measurement of ocean surface conditions DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane p0177 A74-29703 DAVIES, J. H. Further developments in correlation spectroscopy for
PO222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 rader altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment [NASA-TT-F-15683] p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-28055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28868 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane p0177 A74-29705 DAVIES, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-3903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-2858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, B. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-2869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 DAVIBS, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E.
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] Wetlands mapping of Michigan from ERTS data [E74-10497] Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62306] p0190 N74-29051 BULLIS, H. R.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment [NASA-TT-F-15683] p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-28055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70849] p0201 N74-25889 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 DAVIBS, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E. Use of ERTS-A. Skylab, and supporting aircraft to enhance
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental po178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-27870 Use of base techniques for studies. An aircraft experiment p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] CIESUA, W. M. Forest insect damage from high-altitude color-IR p0167 A74-33069	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-2858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, B. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-2869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 DAVIBS, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E.
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 rader altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, rader, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Rader observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62308] BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys BUCHER, L.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-38113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment NASA-TT-F-15683 p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLLORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CRIP)-352] CIESLA, W. M. Forest insect damage from high-attitude color-IR photos CITRON, R. A. Skylab short-lived event alert program	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28868 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70849] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10835] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29705 DAVIBS, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 DAVIS, G.
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlends mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 LAPPlication of remote sensing data to coastal fish stock surveys p0199 A74-29022 BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental po178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-29050 CHESNOKOV, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-22797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061 CIESLA, W. M. Forest insect damage from high-attitude color-IR photos CITRON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-1035] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 DAVIBS, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 DAVIS, G. The application of large numbers of pleasure boets to
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-104572] p0197 N74-28818 BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62308] p0210 N74-29051 BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 /OGA] p018 N74-22132	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-38113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment [NASA-TT-F-15683] p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-28055 CHENT-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061 CIERON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D.	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25889 DANKO, J. M. Meteorological utility of high resolution mutti-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane p0177 A74-29703 DAVIB, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 DAVIS, G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10572] p0197 N74-28816 BROWN. 8. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [274-10498] p0170 N74-22949 BROWN. C. E. Agricultural interpretation technique development [274-10491] p0188 N74-22015 BROWN. G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [274-10497] wetlands mapping of Michigan from ERTS data [274-10588] p0190 N74-22022 Wetlands mapping of Michigan from ERTS data [274-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34506 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62308] BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [PB-226438/OGA] p0182 N74-22132	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol778 A74-29711 CHASE, P. E. Automated land-use mapping [E74-10440] from spacecraft data pol88 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-28055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility p0213 N74-23069 CITRON, R. A. Skylab short-lived event elert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Agentina	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-2858 CROMBIE. D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CRIEY. S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D D DALU. G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-2588 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10835] p0224 N74-28869 DAVID. F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 DAVIES. J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS. A. E. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 DAVIS. G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591]
p0222 N74-25668 BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28818 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34506 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [UPRS-62306] p0210 N74-29051 BULUS, H. R. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [PB-226438/0GA] p0182 N74-22132 BURGY, R. H. An integrated study of earth resources in the State of	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol778 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOROV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOROV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-33903 CHESNOROV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0229 A74-29055 CHESNOROV, T. M. Application of space techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061 CIESLA, W. M. Forest insect damage from high-attitude color-IR photos CITRON, R. A. Skylab short-lived event elert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5]	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane p0177 A74-29703 DAVIS, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22849 DAVIS, G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses p0203 N74-28833
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [274-10572] p0197 N74-28816 BROWN. 8. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [274-10498] p0170 N74-22949 BROWN. C. E. Agricultural interpretation technique development [274-10491] p0188 N74-22015 BROWN. G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [274-10497] wetlands mapping of Michigan from ERTS data [274-10588] p0190 N74-22022 Wetlands mapping of Michigan from ERTS data [274-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34506 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62308] BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [PB-226438/OGA] p0182 N74-22132	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol78 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-28905 CHESNOKOV, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061 CIESLA, W. M. Forest insect damage from high-attitude color-IR photos CITRON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5]	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-2858 CROMBIE. D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CRIEY. S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D D DALU. G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-2588 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10835] p0224 N74-28869 DAVID. F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 DAVIES. J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS. A. E. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 DAVIS. G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591]
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 rader altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, rader, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Rader observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62308] bulls, H. R. Application of remote sensing data to coastal fish stock surveys BUCHER, L. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 /GGA] p0182 N74-22132 BURGY, R. H. An integrated study of earth resources in the State of California using remote sensing techniques	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental p0178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-38113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0173 N74-22061 CIEGLA, W. M. Forest insect damage from high-attitude color-IR photos CITRON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] CLAWSON, B. A superconducting airbourne mineral detection system	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sae backscatter at HF - Interpretation and utilization of the echo CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70849] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane p0177 A74-29703 DAVIES, J. M. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29703 DAVIB, A. E. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 DAVIS, G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DAVIB, J. C. Optical data processing analysis of stream patterns
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0197 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN. 8. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN. C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN. G. 8. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62306] BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [PB-226438/0GA] BURGY, R. H. An integrated study of earth resources in the State of California using remote sensing techniques [E74-10621] p0229 N74-28851 BUTLER, R. W.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol78 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-28905 CHESNOKOV, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061 CIESLA, W. M. Forest insect damage from high-attitude color-IR photos CITRON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5]	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. See backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY. S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D D D D D D D D D D D D D
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28818 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlends mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62306] p0210 N74-29051 BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 (OGA)] p0182 N74-22132 BURGY, R. H. An integrated study of earth resources in the State of California using remote sensing techniques [E74-10621] p0229 N74-28849 Water supply studies p0210 N74-28851	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental po178 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-33903 CHESNOKOV, M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-29055 CHESNOKOV, T. M. Application of space techniques for environmental resource study and environmental monitoring: An aircraft experiment p0224 N74-29055 CHOV, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 CIAVOLICORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061 CIESLA, W. M. Forest insect damage from high-altitude color-IR photos CITRON, R. A. Skylab short-lived event elert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] CLAWSON, B. A superconducting airbourne mineral detection system p0193 A74-35298 CLIFTON, P. L. Use of ERTS-A, Skylab, and supporting sircraft to enhance	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY. S. R. Tests of remote skywave measurement of ocean surface conditions D DALU. G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane DAVIES, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29703 DAVIS, G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10498] p0170 N74-28839 DAVIS, G. The application of large numbers of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Pitains [E74-10457] p0212 N74-21982
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 rader altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, rader, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Rader observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62306] BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys BUCHER, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 /GGA] p0182 N74-22132 BURGY, R. H. An integrated study of earth resources in the State of California using remote sensing techniques [E74-10621] p0229 N74-28851 BUTLER, R. W. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol778 A74-29711 CHASE, P. E. Automated land-use mapping [Form spaceraft data pol88 N74-21965] CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-28055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CHAVOLICORTELLO, L. A. Design study for the ERAF data processing facility p0213 N74-23059 CITRON, R. A. Skylab short-lived event elert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] p0228 N74-28932 CLAWSON, B. A superconducting airbourne mineral detection system p0193 A74-35298 CLIFTON, P. L. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sae backscatter at HF - Interpretation and utilization of the echo CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions D DALU, G. Estimation of see surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70849] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703 DAVIES, J. H. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29703 DAVIS, A. E. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 DAVIS, G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DAVIS, J. C. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] ground pattern enelysis in the Great Plains
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean BUGAYEV, V. A. Application of remote sensing data to coastal fish stock surveys BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 JOGA] p0182 N74-22132 BURGH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 JOGA] p0182 N74-22132 BURGH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 JOGA] p0182 N74-22132 BURGH, R. H. An integrated study of earth resources in the State of California using remote sensing techniques [E74-10821] p0229 N74-28851 BUTLER, R. W. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol778 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-38113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment NASA-TT-F-15683] An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLLORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CRIP)-352] CIESLA, W. M. Forest insect damage from high-altitude color-IR photos p167 A74-33069 CITRON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] p0228 N74-26932 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] p0228 N74-26932 CLIFTON, P. L. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10488] p0170 N74-22949	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE. D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY. S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D D D D D D D D D D D D D
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10572] p0197 N74-28816 BROWN, B. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0188 N74-22015 BROWN, G. S. The S-193 rader altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, rader, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Rader observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34508 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62306] BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys BUCHER, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [P8-226438 /GGA] p0182 N74-22132 BURGY, R. H. An integrated study of earth resources in the State of California using remote sensing techniques [E74-10621] p0229 N74-28851 BUTLER, R. W. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol78 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-36113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10831] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-33903 CHESNOKOV, Y. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment p0220 A74-29053 CHESNOKOV, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLLORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CRIP]-352] p0213 N74-22061 CIESLA, W. M. Forest insect damage from high-atitude color-IR photos CITRON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] CLAWSON, B. A superconducting airbourne mineral detection system p0193 A74-35298 CLIFTON, P. L. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] COLEMAN, V. B.	New England reservoir management [E74-10551] p0207 N74-25867 COULSON, K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE, D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY, S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D DALU, G. Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 DANKO, J. M. Meteorological utility of high resolution multi-spectral data [E74-10635] p0224 N74-28869 DAVID, F. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane p0177 A74-29703 DAVIS, S. J. M. Further developments in correlation spectroscopy for remote sensing air pollution p0177 A74-29705 DAVIS, A. E. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22849 DAVIS, G. The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10458] p0203 N74-28833 DAVIS, J. C. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-104567] p0212 N74-21982 Ground pattern enalysis in the Great Plains [E74-10595] p0190 N74-27781 DAVIS, M. R.
BROOKS, E. Space law and international action p0228 A74-33612 BROOKS, R. L. Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and monitoring of surface mining activities [E74-10472] p0197 N74-28818 BROWN, B. Use of ERTS-A. Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 BROWN, C. E. Agricultural interpretation technique development [E74-10491] p0168 N74-22015 BROWN, G. S. The S-193 radar altimeter experiment p0187 A74-35136 BRYAN, M. L. Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 BUCHER, K. Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic Ocean p0199 A74-34506 BUGAYEV, V. A. Meteorology and Hydrology No. 4, 1974 [JPRS-62306] p0210 N74-29051 BULLIS, H. R. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 BURCH, D. E. Instrument to monitor CH4, CO, and CO2 auto exhaust [PB-226438/0GA] p0182 N74-22132 BURGY, R. H. An integrated study of earth resources in the State of California using remote sensing techniques [E74-10621] p0229 N74-28849 Water supply studies p0210 N74-28955 BUTLIER, R. W. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] BUZNIKOV, A. A.	[E74-10516] p0207 N74-25841 CHAPMAN, R. L A standard method for expressing instrumental pol778 A74-29711 CHASE, P. E. Automated land-use mapping from spacecraft data [E74-10440] p0188 N74-21965 CHEN, C. S. Optimal interpolation of two dimensional signal p0212 A74-38113 CHEOSAKUL, P. Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867 CHESNOKOV, IU. M. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 CHESNOKOV, V. M. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment NASA-TT-F-15683] An aircraft experiment p0224 N74-29055 CHOY, E. C. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-2797 CIAVOLLORTELLO, L. A. Design study for the ERAF data processing facility [ESRO-CRIP)-352] CIESLA, W. M. Forest insect damage from high-altitude color-IR photos p167 A74-33069 CITRON, R. A. Skylab short-lived event alert program [NASA-CR-134262] p0194 N74-22479 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] p0228 N74-26932 CLARK, D. D. Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] p0228 N74-26932 CLIFTON, P. L. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10488] p0170 N74-22949	New England reservoir management [E74-10551] p0207 N74-25867 COULSON. K. L Investigation of atmospheric effects in image transfer p0217 N74-28858 CROMBIE. D. D. Sea backscatter at HF - Interpretation and utilization of the echo p0199 A74-35124 CURLEY. S. R. Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125 D D D D D D D D D D D D D

density/distribution of host plants [E74-10600] p0174 N74-28835	Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863	Application of remote sensing in the study of vegetation and soils in Idaho
A study of early detection of insect infestations and	EGBERT, D. D.	[E74-10618] p0174 N74-28848
density/distribution of host plants [E74-10601] p0174 N74-28836	Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery	FRAGA, G. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance
A study of early detection of insect infestations and	[E74-10456] p0205 N74-21981	resource management
density/distribution of host plants	Ground pattern analysis in the Great Plains [E74-10457] p0212 N74-21982	[E74-10498] p0170 N74-22949
[E74-10638] p0175 N74-28872	EHLERS, E. D.	FRANCON, M. Extraction of the difference between two images
A study of the early detection of insect infestations and density/distribution of host plants	Use of ERTS-A, Skylab, and supporting aircraft to enhance	p0211 A74-35492
[E74-10639] p0175 N74-28873	resource management [E74-10498] p0170 N74-22949	FRENCH, D. W.
A study of the early detection of insect infestations and	ELDER, C. H.	Remote sensing applications to forest vegetation
density/distribution of host plants [E74-10642] p0175 N74-28876	Geologic structure analysis using radar imagery of the	classification and conifer vigor loss due to dwarf mistletoe
DE LOOR, G. P.	coal mining area of Buchanan County, Va. [PB-228689/8] pO198 N74-28919	[NASA-CR-138806] p0173 N74-27804
The radar backscatter from selected agricultural crops	ELLIOTT, J. C.	FRIEDMAN, E. J.
p0167 A74-28935	Investigation of environmental indices from the Earth	Investigation of environmental indices from the Earth Resources Technology Satellite
DEBRUS, S. Extraction of the difference between two images	Resources Technology Satellite [E74-10475] p0181 N74-21999	[E74-10475] p0181 N74-21999
pO211 A74-35492	ELLYETT, C. D.	FROMAN, N. L.
DELOOR, G. P.	Thermal infrared imagery of The Burning Mountain coal fire p0193 A74-30798	Multidisciplinary study of Wyoming test sites [E74-10824] p0230 N74-28863
Radar ground returns. Part 3: Further measurements on the radar backscatter of vegetation and soils	EMMANUEL, C. B.	FUBARA, D. M. J.
[PHL-1974-05-PT-3] pO171 N74-25961	A feasibility study for the remote measurement of	Calibration and evaluation of Skylab altimetry for geodetic
DICK, R.	underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] p0202 N74-26952	determination of the geoid [E74-10447] p0188 N74-21972
The remote measurement of trace atmospheric species by correlation interferometry, i - Carbon monoxide and	ERICKSON, J.	Calibration and evaluation of Skylab altimetry for geodetic
methane p0177 A74-29703	Design study for the ERAF data processing facility	determination of the geoid
DIXON, B. P.	[ESRO-CR(P)-352] p0213 N74-22061 ERICKSON, J. D.	[E74-10533] p0189 N74-25851 Calibration and evaluation of Skylab altimetry for geodetic
Atmospheric effects on remote sensing of non-uniform temperature sources	Skylab support	determination of the geoid
[NASA-CR-129028] p0222 N74-25878	[E74-10451] p0226 N74-21976 Optical modeling of agricultural fields and rough-textured	[E74-10612] p0190 N74-27788
DOUGLASS, R. W.	rock and mineral surfaces	 Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid
Remote sensing applications to forest vegetation	[NASA-CR-134243] p0169 N74-22046	[E74-10579] p0191 N74-28822
classification and conifer vigor loss due to dwarf mistletoe	Recent advancements in information extraction methodology and hardware for Earth Resources Survey	FUSCO, L. Design study for the ERAF data processing facility
[NASA-CR-138806] p0173 N74-27804	Systems	[ESRO-CR(P)-352] p0213 N74-22061
DOWNING, K. G.	[E74-10515] p0214 N74-25840	
Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863	Skylab support [E74-10548] p0227 N74-25864	G
DRAEGER, W. C.	ERSKINE, M. C., JR.	•
An integrated study of earth resources in the State of Celifornia using remote sensing techniques	Mineral exploration potential of ERTS-1 data [E74-10608] p0197 N74-28841	GAROSCHKIN, E. M.
[E74-10621] p0229 N74-28849	ESPARZA, F. p0197 N74-28641	The 1973 Smithsonian standard earth (3) [NASA-CR-138586] p0190 N74-27362
Water supply studies p0210 N74-28851	Planning applications in east central Florida	GARZA-ROBLES, R.
DRAKE, J.	[E74-10448] p0181 N74-21973 Planning applications in east central Florida	Strategies for estimating the marine geoid from altimeter
Water demand studies in southern California p0210 N74-28853	[E74-10623] p0230 N74-28862	data [NASA-TM-X-70637] p0188 N74-22058
DRENNAN, D. S. H.	ESTES, J. E.	GEDNEY, L D.
Preliminary assessments of crop types and land use in	Remote sensing for monitoring a water transportation project - The California Aqueduct p0177 A74-29021	Evaluation of feasibility of mapping seismically active
the area of Argantina photographed by Skylark earth	An integrated study of earth resources in the State of	faults in Alaska [E74-10574] p0197 N74-28818
resources rocket SL 1181, using ground survey data and rocket photography	California using remote sensing techniques	GIALDINI, M. J.
rocket photography [UR-RSP-2] pO172 N74-26929	[E74-10621] p0229 N74-28849	GIALDINI, M. J. Skylab data as an aid to resource management in northern
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0188 N74-22019
rocket photography [UR-RSP-2] pO172 N74-26929	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S.	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D.
rocket photography [UR-RSP-2] p0172 N74-28929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment
rocket photography [UR-RSP-2] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] DREW, J. V.	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors /Systems and Problems/ p0225 A74-33599 EVANISKO, F.	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors /Systems and Problems / EVANISKO, F. Water demand studies in central California	GIALDINI, M. J. Skylab data as an aid to resource management in northerm California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056
rocket photography [UR-RSP-2] pO172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] pO215 N74-26931 DREW_J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] pO228 N74-26875	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors /Systems and Problems/ p0225 A74-33599 EVANISKO, F.	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINEWICZ, A. 8.
rocket photography [UR-RSP-2] pO172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] pO215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] pO228 N74-26875 DRISCOLL R. S.	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors /Systems and Problems / p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713
rocket photography [UR-RSP-2] pO172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] pO215 N74-26931 DREW_J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] pO228 N74-26875	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, 8. Detection of earth resources by remote sensors /Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GIMEWUZ, A. 8. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN. P.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors /Systems and Problems / p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRIBCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO. F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0188 N74-22019 Water supply studies p0210 N74-28851 GLAXKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848	[E74-10621] p0229 N74-28849 Water demand studies in central California ESTRADE, S. Detection of earth resources by remote sensors /Systems and Problems/ EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] EVERSMEYER, M. G.	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources GUNIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 GOLDMAN, C. R.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyfark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [£74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [£74-10558] p0171 N74-25888 DULEMBA, JL.	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO. F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOBRSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lske Tahoe,
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW_J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10558] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [PB-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZROV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GUNIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for February - 10 March 1973 [NASA-TTM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, p0215-N74-3074-Novade
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyfark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [£74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [£74-10558] p0171 N74-25888 DULEMBA, JL.	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of steck plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0188 N74-22019 Water supply studies p0210 N74-28851 GIAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70892] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, p0205 A74-30798 GOLDSTEIN, M. W.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest atress [E74-10558] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV. B. S. Application of space-oriented equipment in earth	[E74-10621] p0229 N74-28849 Water demand studies in central California ESTRADE, S. Detection of earth resources by remote sensors /Systems and Problems/ EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for February 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyfark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10538] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. 8. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of steck plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-28713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70892] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. 1 - Carbon monoxide and methane
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks [NASA-CR-138602] p0228 N74-26875 DRISCOLL, R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10558] p0171 N74-25868 DUEMBA, JL. Toward a methodical study of the environment p0180 A74-31000 DUNAEV, S. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors /Systems and Problems / p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [PB-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZROV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for february - 10 March 1973 [NASA-TTM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL, R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10536] p0171 N74-25888 DULEMBA, JL. Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAVEV, B. S. Application of space techniques to natural resources study	[E74-10621] p0229 N74-28849 Water demand studies in central California ESTRADE, S. Detection of earth resources by remote sensors /Systems and Problems/ EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZROV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GUNIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane gORDON, R. Multidisciplinary study of Wyoming test sites p0230 N74-28883
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks [NASA-CR-138602] p0228 N74-26875 DRISCOLL, R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10558] p0171 N74-25868 DULEMBA, JL. Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment DUNAEV, B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of steck plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Whest: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0220 A74-39056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for february - 10 March 1973 GLOERSEN, P. Satellite imagery and weather for February - 10 March 1973 [NASA-TH-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckse River sediment plume in Lake Tahoe, California-Nevada GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] GORDON, R. GORDON, R.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environment resources much pound and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resources	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797	GIALDINI, M. J. Skyleb data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZROV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GUNIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry, 1 - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28883
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10530] p0171 N74-25868 DUEMBA, JL. Toward a methodical study of the environment Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An sircraft experiment DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An sircraft experiment DUNAEV, B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors /Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skytab-3	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral acanning system in an aircraft experiment to study the earth's resources GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environment resources much pound and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resources	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GUNIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry, 1 - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28883 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyfark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10530] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. 8. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment DUNAYV, B. 8. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resources studies. An aircraft experiment p0224 N74-29055 DURAN, B. 8. Comparison of some classification techniques	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of steck plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Whest: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral acanning system in an aircraft experiment to study the earth's resources GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources will easily early environmental p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources studies and environmental monitoring: An aircraft experiment p0228 N74-27870 Use of base techniques for environmental resources studies. An aircraft experiment p0224 N74-29055 DURAN, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W.	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TH-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] GOROVE, S. International legal espects of earth resources satellites p0225 A74-33600 GOURINARD, Y.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyfark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10530] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. 8. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment DUNAYV, B. 8. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resources studies. An aircraft experiment p0224 N74-29055 DURAN, B. 8. Comparison of some classification techniques	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-3368 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-23702	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral acanning system in an aircraft experiment to study the earth's resources p0224 N74-29058 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0224 N74-29058 GLORRSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70892] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. 1 - Carbon monoxide and methane p0177 A74-29703 GORDON, R. Multidisciptinary study of Wyoming test sites [E74-10624] p0230 N74-28863 GORON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 GOROVE, S. International legal espects of earth resources satellites p0225 A74-33600
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks [NSA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10538] p0171 N74-25868 DULEMBA, JL. Toward a methodical study of the environmental polymore. Supplied to the environmental control - An aircraft experiment p0220 A74-33903 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAEV, B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0228 N74-29055 DURAN, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of steck plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 FINALE, R. A.	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TH-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] GOROVE, S. International legal espects of earth resources satellites p0225 A74-33600 GOURINARD, Y.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebrasks [NSA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10538] p0171 N74-25868 DULEMBA, JL. Toward a methodical study of the environmental polymore. Supplied to the environmental control - An aircraft experiment p0220 A74-33903 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAEV, B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resource studies. An aircraft experiment p0228 N74-29055 DURAN, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-3368 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-23702	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GUNIEWICZ, A. S. ASTEP user's guide and software documentation (NASA-CR-134303) p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-1043] p0168 N74-22017 GOROVE, S. International legal espects of earth resources satellites p0225 A74-33600 GURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] GRAHAM, L. C.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources studies and environmental monitoring: P0228 N74-27870 ULse of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 DURAM, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [PB-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Whest: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TH-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 GOROVE, S. International legal espects of earth resources satellites p0225 A74-33600 GOURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] p0189 N74-25843 GRAHAM, L. C. Synthetic interferometer radar for topographic mapping
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW_J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10558] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources study and environmental monitoring: P0220 A74-33903 DUNAYEV, B. S. Comparison of some classification techniques p0224 N74-29055 DURAM, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lider studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease datection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-2003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-28702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [FSHER, J. C.	GIALDINI, M. J. Skylab data as an eid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. 8. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TH-X-70892] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] GOROOK, S. International legal espects of earth resources satellites p0225 A74-33800 GURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] GRAMMAKOV, A. G.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. 8. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. 8. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0200 A74-33903 DUNAVEV, B. 8. Application of space techniques to natural resources studies and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0228 N74-27870 Use of base techniques for environmental resources studies. An aircraft experiment p0224 N74-29055 DURAN, B. 8. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 FISHER, J. C. Applicability of remote sensor data to geologic analysis	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral acanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70992] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada g0ADSTEIN, M. W. The remote measurement of trace atmospheric species by correlation interferometry. 1 - Carbon monoxide and methane p0177 A74-29703 GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery p0168 N74-22017 GOROVE, S. International legal espects of earth resources satellites p0225 A74-33600 GOURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] p0189 N74-25843 GRAMMAKOV, A. G. Infrared radiometer for geological mapping
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW_J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10558] p0171 N74-25868 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources study and environmental monitoring: P0220 A74-33903 DUNAYEV, B. S. Comparison of some classification techniques p0224 N74-29055 DURAM, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors /Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 FISHER, J. C. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 A74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TH-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevade GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry, I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] GOROOK, S. International legal espects of earth resources satellites p0225 A74-33800 GOURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] GRAMMAKOV, A. G.
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10530] p0171 N74-25868 DUEMBA, JL. Toward a methodical study of the environment p0180 A74-31000 DUNAEV. B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment DUNAEV. B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0220 A74-33903 DUNAEV. B. S. Comparison of some classification techniques p0224 N74-29750 DURAN, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 E EAGLEMAN, J. R. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [PB-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Whest: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high elitiude aircraft p0177 A74-29702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 FISHER, J. C. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29058 GUNIEWICZ, A. S. ASTEP user's guide and software documentation (NASA-CR-134303) p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 (NASA-TM-X-70692) p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevade p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. 1 - Carbon monoxide and methane p0177 A74-29703 GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 GOROVE, S. International legal aspects of earth resources satellites p0225 A74-33800 GOURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] p0189 N74-25843 GRAMMAN, L. C. Synthetic interferometer radar for topographic mapping p0187 A77-35133 GRAMMAKOV, A. G. Infrared radiometer for geological mapping p0222 N74-25913 GRAMM, W. B. Calibrated remote measurement of NO2 using the
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25888 DULEMBA, JL Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment p0220 A74-33903 DUNAYEV, B. S. Application of space techniques to natural resources studies and environmental monitoring: An aircraft experiment p0224 N74-29870 Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055 DURAN, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 E EAGLEMAN, J. R. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Whest: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 FISHER, J. C. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 FLEMING, A. W. Thermal infrared imagery of The Burning Mountain coal	GIALDINI, M. J. Skylab data as an aid to resource management in northern California Water supply studies GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29056 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TH-X-70692] GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and methane GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 GOROVE, S. International legal espects of earth resources satellites p025 A74-33600 GOURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] p0189 N74-25843 GRAMMAKOV, A. G. Infrared radiometer for geological mapping p0187 A74-35133 GRAMMAKOV, A. G. Infrared radiometer for geological mapping p0187 A74-25913 GRAMM, W. B. Calibrated remote measurement of NO2 using the differential-absorption backscatter technique
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25848 Inventory of forest and rangeland and detection of forest stress [E74-10530] p0171 N74-25868 DUEMBA, JL. Toward a methodical study of the environment p0180 A74-31000 DUNAEV. B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment DUNAEV. B. S. Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment [NASA-TT-F-15683] p0220 A74-33903 DUNAEV. B. S. Comparison of some classification techniques p0224 N74-29750 DURAN, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 E EAGLEMAN, J. R. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE, S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Whest: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FARMER, C. B. Measurement of the abundance of several natural stratospheric trace constituents from high altitude sicrast p0177 A74-29702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 FISHER, J. C. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 FLEMING, A. W. Thermal infrared imagery of The Burning Mountain coal	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GIAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral scanning system in an aircraft experiment to study the earth's resources p0224 N74-29058 GUNIEWICZ, A. S. ASTEP user's guide and software documentation (NASA-CR-134303) p0215 N74-26713 GLOERSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 (NASA-TM-X-70692) p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevade p0205 A74-30798 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. 1 - Carbon monoxide and methane p0177 A74-29703 GORDON, R. Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 GOROVE, S. International legal aspects of earth resources satellites p0225 A74-33800 GOURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] p0189 N74-25843 GRAMMAN, L. C. Synthetic interferometer radar for topographic mapping p0187 A77-35133 GRAMMAKOV, A. G. Infrared radiometer for geological mapping p0222 N74-25913 GRAMM, W. B. Calibrated remote measurement of NO2 using the
rocket photography [UR-RSP-2] p0172 N74-26929 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Sklyark earth resources rockets [UR-RSP-4] p0215 N74-26931 DREW, J. V. Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875 DRISCOLL R. S. Inventory of forest and rangeland resources, including forest stress [E74-10530] p0171 N74-25868 Inventory of forest and rangeland and detection of forest stress [E74-10536] p0171 N74-25868 DULEMBA, J. L. Toward a methodical study of the environment p0180 A74-31000 DUNAEV, B. S. Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft experiment DUNAVEV, B. S. Application of space techniques to natural resources studies and environmental monitoring: An aircraft experiment [NASA-TF-F15683] p0220 A74-33903 DUNAVEV, B. S. Comparison of some classification techniques p0224 N74-29750 DURAN, B. S. Comparison of some classification techniques p0211 A74-34438 DYBDAHL A. W. Progress report - Detection of dissolved oxygen in water through remote sensing techniques p0179 A74-29720 E EAGLEMAN, J. R. Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0206 N74-22948	[E74-10621] p0229 N74-28849 Water demand studies in central California p0210 N74-28852 ESTRADE. S. Detection of earth resources by remote sensors / Systems and Problems/ p0225 A74-33599 EVANISKO, F. Water demand studies in central California p0210 N74-28852 EVANS, W. E. Marking ERTS images with a small mirror reflector p0211 A74-33068 Lidar studies of stack plumes in rural and urban environments [P8-227347/2] p0182 N74-23189 EVERSMEYER, M. G. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 FALLER, K. Preliminary results of fisheries investigation associated with Skylab-3 [E74-10479] p0200 N74-22003 FARMER, C. 8. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 FINALE, R. A. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 FISHER, J. C. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 FLEMING, A. W. Thermal infrared imagery of The Burning Mountain coal fire	GIALDINI, M. J. Skylab data as an aid to resource management in northern California p0168 N74-22019 Water supply studies p0210 N74-28851 GLAZKOV, V. D. Scanning multispectrum system in an aircraft experiment in earth resources studies p0220 A74-33904 Multispectral acanning system in an aircraft experiment to study the earth's resources p0224 N74-29058 GLINIEWICZ, A. S. ASTEP user's guide and software documentation [NASA-CR-134303] p0224 N74-29058 GLORRSEN, P. Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70892] p0203 N74-28072 GOLDMAN, C. R. Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoo, California-Nevade p0205 A74-30796 GOLDSTEIN, H. W. The remote measurement of trace atmospheric species by correlation interferometry. 1 - Carbon monoxide and methane p0177 A74-29703 GORDON, R. C. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery p0168 N74-22017 GOROVE, S. International legal espects of earth resources satellites p0225 A74-33600 GOURINARD, Y. Management of natural resources through automatic cartographic inventory [E74-10518] p0189 N74-25843 GRAMMAKOV, A. G. Infrared radiometer for geological mapping [AD-776888] p0222 N74-25913 GRANT, W. B. Calibrated remote measurement of NO2 using the differential-absorption backscatter technique p0179 A74-30885

GREEGOR, R.		
Jet engine soot emission measured at altitude	Detection of moisture and moisture related phenomena from Skylab	HOFFER, R. M. An interdisciplinary analysis of multispectral satellite data
p0179 A74-30397 GREELEY, R. S.	[E74-10540] p0171 N74-25858 HARMAN, T. C.	for selected cover types in the Colorado Mountains, using automatic data processing techniques
Investigation of environmental indices from the Earth Resources Technology Satellite	Narrow gap semiconductors p0220 A74-34770	[E74-10439] p0212 N74-21964 An interdisciplinary analysis of multispectral satellite data
[E74-10475] pO181 N74-21999 GREEN, J. H.	HART, W. G. A study of early detection of insect infestations and	for selected cover types in the Colorado Mountains, using automatic data processing techniques
Remote sensing as an aid for marsh management	density/distribution of host plants [E74-10560] p0173 N74-28811	[E74-10524] p0215 N74-26862
Remote sensing as an aid for marsh management:	A study of the early detection of insect infestations and density/distribution of host plants	An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using
Lafouche parish, Louisiana [NASA-CR-138775] p0208 N74-26912	[E74-10600] p0174 N74-28835	automatic data processing techniques [E74-10604] p0216 N74-28837
GREEN, R. N. Statistical interpretation of pollution data from	A study of early detection of insect infestations and density/distribution of host plants	An interdisciplinary analysis of multispectral satellite data
satellites	[E74-10601] p0174 N74-28836 A study of early detection of insect infestations and	for selected cover types in the Colorado Mountains, using automatic data processing techniques
GRENDA, R. N.	density /distribution of host plants	[E74-10646] p0217 N74-28879 HOLUNGER, J. P.
The remote measurement of trace atmospheric species by correlation interferometry. I - Carbon monoxide and	[E74-10638] p0175 N74-28872 A study of the early detection of insect infestations and	Determination of sea surface conditions using Skylab L-band and Radscat passive microwave radiometers
methane p0177 A74-29703 GRIGGS, M.	density /distribution of host plants [E74-10639] p0175 N74-28873	[E74-10577] p0203 N74-28820
Measurement of air pollutants from satellites. I - Feasibility considerations p0180 A74-31870	A study of the early detection of insect infestations and	HOLLYDAY, E. F. The hydrologic significance of faults in the Great Smoky
Determination of aerosol content in the atmosphere from	density/distribution of host plants [E74-10642] p0175 N74-28876	Mountains National Park [E74-10460] p0205 N74-21985
ERTS-1 data [E74-10452] p0212 N74-21977	HARTING, W. Investigation of Skylab imagery for regional planning	Hydrologic significance of lineaments in central
GRYBECK, D. ERTS-A data as a teaching and research tool in the	[E74-10522] p0183 N74-25844	Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park)
Department of Geology [E74-10617] p0228 N74-27791	Investigation of Skylab imagery for regional planning [E74-10523] p0183 N74-26861	[E74-10640] p0210 N74-28874 HOLZWORTH, G. C.
[274-10017] pozzo 1174-27707	HARTWELL, A. Investigations performed on the Arctic ice dynamics joint	Variations of meteorology, pollutant emissions, and air
H [*]	experiment, March 1971	quelity p0178 A74-29717 HONEY, F. R.
AAENGGI, W. T.	[AD-775381] p0201 N74-23020 HAY, C. M.	Multispectral signatures in relation to ground control signature using nested sampling approach
Mineral exploration potential of ERTS-1 data	Agricultural interpretation technique development [E74-10491] p0168 N74-22015	[E74-10625] p0216 N74-27792
[E74-10608] p0197 N74-28841 IAKE, R. D., JR.	HAYNE, G. S.	HOOS, 1. Activities of the Social Sciences Group, Berkeley
Calibrated remote measurement of NO2 using the differential-absorption backscatter technique	The S-193 radar altimeter experiment p0187 A74-35136	campus p0230 N74-28857 HOPPE, E. R.
pO179 A74-30685	HAYRE, H. S. S-193 impulse response cross correlation	Catalog of operational satellite products
Evaluation of ERTS-1 imagery for mapping Quaternary	[E74-10652] p0191 N74-28885	HOPPIN, R. A.
deposits and landforms in the Great Plains and Midwest [E74-10814] p0196 N74-27789	HEADRICK, J. M. Sea backscatter at HF - Interpretation and utilization of	Experiment to evaluate feasibility of utilizing Skylab-EREP remote sensing data for tectonic analysis of the Bighorn
IALLIDAY, R. A. Water Survey of Canada: Application for use of ERTS-A	the echo p0199 A74-35124 Tests of remote skywave measurement of ocean surface	Mountains region, Wyoming-Montane [E74-10455] p0193 N74-21980
for retransmission of water resources data [E74-10492] p0206 N74-22016	conditions p0199 A74-35125	HORAN, J. J.
Retransmission of water resources data using the ERTS-1	HELBIG, H. Land use mapping using ERTS multispectral imagery	Partial performance degradation of a remote sensor in a space environment, and some probable causes
data collection system [E74-10516] p0207 N74-25841	p0180 A74-35500 HELLER, R. C.	pO219 A74-28592 HORNE, A. J.
ALLIKAINEN, M. Analysis of dielectric properties and noise temperature	Inventory of forest and rangeland resources, including forest stress	Remote sensing and lake eutrophication
of sea ice for microwave remote sensing applications p0199 N74-21864	[E74-10530] p0171 N74-25848	p0205 A74-37045 HOŘVATH, R.
IANBY, A. S. Monitoring physical and chemical parameters of Delaware	Inventory of forest and rangeland and detection of forest stress	Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022
Bay waters with an ERTS-1 data collection platform	[E74-10558] p0171 N74-25868 HELMCKE, D.	Oil pollution detection, monitoring and law
[E74-10586] p0202 N74-27777 IANNAH, J. W.	Comparison of geological information obtained from	enforcement [E74-10559] p0184 N74-27771
Planning applications in east central Florida [E74-10448] p0181 N74-21973	satellite and aerial photographs and from ground investigations in the Tibesti Mountains /Chad/	Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778
Planning applications in east central Florida [E74-10623] p0230 N74-28862	p0193 A74-35499 HENDERSON, F. M.	HORWITZ, H. M. Optical modeling of agricultural fields and rough-textured
ANSON, K. J. Remote detection of ocean features in the Lesser Antilles	Small scale land use mapping with radar imagery p0190 N74-27766	rock and mineral surfaces
monote detection orocean readures in the Leaser Antines	po190 1474-27708	
using ERTS-1 data	HENDERSON, W. W.	[NASA-CR-134243] p0169 N74-22046 Improvements in estimating proportions of objects from
[E74-10602] p0203 N74-27785 ARALICK, R. M.	HENDERSON, W. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management	Improvements in estimating proportions of objects from multispectral data
[E74-10602] p0203 N74-27785 IARALICK, R. M. Combined spectral and spatial processing of ERTS	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S.
[E7Ä-10602] p0203 N74-27785 IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. E.	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery
[E74-10602] p0203 N74-27785 IRRALICK, R. M. Combined spectral and spatial processing of ERTS imagery data p0211 A74-30791 IARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab)	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V.	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral image
[E74-10602] p0203 N74-27785 IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data p0211 A74-30791 IARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) p0183 N74-26863 Evaluation of Skylab imagery as an information service service possible	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F.	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863
[E74-10602] p0203 N74-27785 IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] p0183 N74-2863 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] p0216 N74-27775	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] some illustrations of the advantages of improved resolution in geologic studies
[E74-10602] IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] EVALUATION OF Skylab imagery as an information service for investigating land use and natural resources (Skylab) EVALUATION OF Skylab imagery as an information service	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864
[E74-10602] ARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data HARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] FOR 1874-2877	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 MOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28884 MOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars
[E74-10602] p0203 N74-27785 IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10584] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] IARDY, J. R. First estimation of crop area statistics for the area of	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0188 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28883 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28884 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A.
[E74-10602] ARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data ARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] E74-10644] BROY, J. R.	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment, March 1971	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28884 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing
[E74-10602] p0203 N74-27785 IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] p0183 N74-28863 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10584] p0216 N74-27775 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] p0185 N74-28877 IARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data: [UR-RSP-1] p0172 N74-26928	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment, March 1971 [AD-775381] p0201 N74-23020	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y.
[E74-10602] p0203 N74-27785 #ARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data #ARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] p0183 N74-28883 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-1054] p0216 N74-27775 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] p0185 N74-28877 #ARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data: [UR-RSP-1] p0172 N74-26928 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment, March 1971 [AD-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-38112
[E74-10602] p0203 N74-27785 IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] p0183 N74-28863 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] p0216 N74-27775 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] p0185 N74-28877 IARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data: [UR-RSP-1] p0172 N74-26928 The interpretation and use of false-colour infrared and	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment, March 1971 [A0-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil on water p0179 A74-29724 HIBERR, R. H.	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 MOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864 MOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-36112 HUNING, J. R.
[E74-10602] IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10584] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10584] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] IARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data: [UR-RSP-1] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] Preliminary results from Skylark earth resources rockets	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment. March 1971 [AD-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil on water HIEBER, R. H. Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task)	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] golden with the policy of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28884 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler redars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-38112 HUNING, J. R. Water demand studies in southern California p0210 N74-28853
[E74-10602] #ARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data #ARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] #ARDY, J. R. First estimation of crop area statistics for the area of Argentine photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] Peliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] PO228 N74-26932	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment. March 1971 [AD-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil on water (179 A74-29724) HIEBER, R. H. Wheat classification exercise, using 11 June 1973, ERTS	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-36112 HUNING, J. R. Water demand studies in southern California p0210 N74-28853 HUNILEY, D. Applicability of remote sensor data to geologic analysis
[E74-10602] IARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data IARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] E74-10644] P018 N74-28971 IARDY, J. R. First estimation of crop area statistics for the area of Argentine photographed by Skylark St. 1181, using ground truth data: [UR-RSP-1] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark arth resources rocket experiment in Argentina	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment, March 1971 [AD-775381] p0201 N74-23020 HICKMAM, G. D. An airborne laser fluorosensor for the detection of oil on water p0179 A74-29724 HIBBER, R. H. Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 HILTY, J. W. Utilizing ERTS imagery to detect plant diseases and	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 MOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0188 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864 MOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-36112 HUNING, J. R. Water demand studies in southern California p0210 N74-28853 HUNITLEY, D. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado
[E74-10602] #ARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data #ARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] #ARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data' [UR-RSP-1] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-8] Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] A report on current activities and facilities in the field of remote sensing of earth resources [UR-RSP-3] PO228 N74-26933	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment. March 1971 [AD-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil on water Metal State for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 HILTY, J. W. Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels [E74-10585] p0174 N74-28828	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0188 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-38112 HUNING, J. R. Water demand studies in southern California p0210 N74-28853 HUNTLEY, D. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955
[E74-10602] #ARALICK, R. M. Combined spectral and spatial processing of ERTS imagery data #ARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10644] #ARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] A report on current activities and facilities in the field of remote sensing of earth resources [UR-RSR-3] #ARDY, N. Detection of moisture and moisture related phenomena	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment, March 1971 [AD-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil on water p0179 A74-29724 HIEBER, R. H. Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 HILTY, J. W. Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0188 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28864 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-38112 HUNING, J. R. Water demand studies in southern California p0210 N74-28853 HUNTLEY, D. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 HUTCHINSON, R. M. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data
[E74-10602] ARABLICK, R. M. Combined spectral and spatial processing of ERTS imagery data ARDY, E. E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10844] P0216 N74-2775 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) ARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] P0172 N74-26928 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rocket experiment in Argentina [UR-RSP-4] Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] P0228 N74-26932 A report on current activities and facilities in the field of remote sensing of earth resources	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment. March 1971 [AD-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil on water HIEBER, R. H. Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 HILTY, J. W. Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels p0174 N74-28882 Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels p0174 N74-28885 (1274-10585) oil moisture levels p0174 N74-28886 p0174-N74-28886 p0174-N74-28886 p0174-N74-28886 p0174-N74-28886 p0174-N74-28886 p0174 N74-28886 p0174 N7	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites p0230 N74-28883 p0230 N74-28883 p0230 N74-28884 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28884 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler redars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-38112 HUNING, J. R. Water demand studies in southern California p0210 N74-28853 HUNTLEY, D. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 HUTCHINSON, R. M. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data p0197 N74-28844
[E74-10602] ARABLICK, R. M. Combined spectral and spatial processing of ERTS imagery data ARDY, E. Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10527] P0183 N74-28863 Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-10564] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) [E74-1084] Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab) E74-10844] P0185 N74-28877 ARDY, J. R. First estimation of crop area statistics for the area of Argentina photographed by Skylark St. 1181, using ground truth data [UR-RSP-1] D0172 N74-26928 The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by Skylark earth resources rockets [UR-RSP-4] Preliminary results from Skylark earth resources rockets EVR-RSP-3] P0215 N74-26931 Preliminary results from Skylark earth resources rocket experiment in Argentina [UR-RSP-5] D0228 N74-26933 ARDY, N. Detection of moisture and moisture related phenomena from Skylab	Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HEPWORTH, J. V. To assess the value of satellite photographs in resource evaluation on a national scale [E74-10536] p0189 N74-25854 HERGET, W. F. The application of electro-optical techniques to sensing of stationary source pollutants p0178 A74-29715 HESLEP, J. W. Use of ERTS-A, Skylab, and supporting aircraft to enhance resource management [E74-10498] p0170 N74-22949 HIBLER, W. D., III Investigations performed on the Arctic ice dynamics joint experiment, March 1971 [AD-775381] p0201 N74-23020 HICKMAN, G. D. An airborne laser fluorosensor for the detection of oil on water p0179 A74-29724 HIEBER, R. H. Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 HILTY, J. W. Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels [E74-10585] utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels [E74-10585]	Improvements in estimating proportions of objects from multispectral data [NASA-CR-134252] p0213 N74-22049 HOUSTON, R. S. Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery [E74-10493] p0168 N74-22017 Multidisciplinary study of Wyoming test sites [E74-10624] p0230 N74-28863 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] p0198 N74-28884 HOVANESSIAN, S. A. Target image frequency spectrum in Doppler radars p0221 A74-37295 HOWARD, J. A. A critique - Applications of non-satellite remote sensing of the earth's resources p0219 A74-29001 HUNG, A. Y. Digital restoration of blurred, array-sampled images p0212 A74-38112 HUNING, J. R. Water demand studies in southern California p0210 N74-28853 HUNTLEY, D. Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 HUTCHINSON, R. M. Geologic and mineral and water resources investigations in western Colorado, using Skytab EREP data

NYDE, P. D. Improvements in estimating pro-	partions of objects from	
multispectral data [NASA-CR-134252]	p0213 N74-22049	1
(•	
t		1
ILLER, J. M.		
Applications of remote sensing	ng data to the Alaskan	
environment [NASA-CR-138512]	p0201 N74-25884	
INGLE, S. J. A study of early detection of i	insect infestations and	
density/distribution of host plants [E74-10560]	pO173 N74-28811	
A study of the early detection or density/distribution of host plants	f insect infestations and	
[E74-10600]	pO174 N74-28835	
A study of early detection of density/distribution of host plants		
[E74-10601] A study of early detection of	p0174 N74-28836	
density/distribution of host plants [E74-10638]	pO175 N74-28872	
A study of the early detection o		
density/distribution of host plants [E74-10639]	p0175 N74-28873	
A study of the early detection o density/distribution of host plants		
[E74-10642]	p0175 N74-28876	
ITAKURA, Y. Statistical properties of the ba		
atmospheric windows in the interr	nediate infrared region p0219 A74-29856	
IUDINA, L. N.		
intermediate-frequency amplifier	in a superheterodyne	
radiometer in the millimeter and range	p0221 A74-37520	
IVES, J. D. The application of space technology	ogy to practical problems	
such as those currently facing th		
the State of Colorado [NASA-CR-138500]	p0183 N74-25885	
J		
JACOBOWITZ, H.		
A cloud physics investigation ut [E74-10441]	ilizing Skylab data p0221 N74-21966	
A cloud physics investigation ut	tilizing Skylab data	
[E74-10567] JAIN, R. K.	p0223 N74-28812	
Effects of construction and sta on the environment and ecology		
[E74-10458] Effect of construction and stage	pO205 N74-21983 ad filling of reservoirs on	
the environment and ecology [E74-10610]	pO209 N74-28843	
JELACIC, A. J.	•	
The interdependence of lake ic North America		
[E74-10622] JENNETT, J. C.	p0210 N74-28861	
The development of ground to remotely sensed data	uth for correlation with p0211 A74-34005	
JENSEN, M. L	•	
Study of arcuste structural trer using ERTS-1 imagery	p0195 N74-25845	
[E74-10526] JERAN, P. W.		
Geologic structure analysis usin coal mining area of Buchanan Cou	unty, Va.	
[PB-228689/6] JOHNSON, C. W.	p0198 N74-28919	
Evaluation of remote sensing in in cotton	control of pink bollworm	
[E74-10503]	p0169 N74-22024	
Water demand studies in south	p0210 N74-28853	
JOHNSON, W. B., JR. Lidar studies of stack plums	es in rural and urban	
environments [PB-227347/2]	p0182 N74-23189	
JONES, J.	•	
Water demand studies in south	ern California p0210 N74-28853	
JONES, N. A. Agricultural interpretation techn	nique development	
[E74-10491]		
	p0168 N74-22015	
JURRIIENS, A. A. The radar backscatter from sele	octed agricultural crops	
JURRIIENS, A. A. The radar backscatter from sele JUSTICE, C. O.	po167 A74-28935	
JURRIIENS, A. A. The radar backscatter from sele	p0187 A74-28935	

Key to coding of imagery and ground truth of the Argentinian Skylarks (1181 and 1182) [UR-RSR-2]

[E74-10532]

[E74-10589]

Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10531] p0183 N74-25849

Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery

Monitoring physical and chemical parameters of Delaware
Bay waters with an ERTS-1 data collection platform
[E74-10566] p0202 N74-27777

Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery

Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery
[E74-10590] pO185 N74-28832

The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833

p0201 N74-25850

p0209 N74-28831

.,	·
K	KNEPPER, D. H., JR. Geologic information from satellite images
AHAN, A. M.	[E74-10507] p0195 N74-22954
Monitor weather conditions for cloud seeding control	Applicability of remote sensor data to geologic analysis
[E74-10468] p0205 N74-21993 AHN, W. D.	of the Bonanza test site Colorado [E74-10508] p0195 N74-22955
Strategies for estimating the marine goold from altimeter data	KOLM, K. E. Multidisciplinary study of Wyoming test sites
[NASA-TM-X-70637] p0188 N74-22058	[E74-10624] p0230 N74-28863 KOLOMYTSEV, B. M.
Hydrological basis for forecasting and calculating runoff	Infrared radiometer for geological mapping
by space images of the earth's surface [NASA-TT-F-15665] p0207 N74-25889	[AD-776888] p0222 N74-25913
AN, E. P. F.	KONDRATEV, K. IA. Results of spectrophotometric measurements of natural
Quality of signatures	formations from the spacecraft 'Soyuz-9' and investigations
[NASA-CR-134263] p0169 N74-22053 ANEMASU, E. T.	of environment from space p0219 A74-30792
Seasonal canopy reflectance patterns of wheat, sorghum,	KONG, J. A. Geophysical subsurface probing with radio-frequency
and soybean p0167 A74-30795 Wheat: Its water use, production and disease detection	interferometry p0193 A74-36437
and prediction	Appendix to theory of radio-frequency interferometry in
[E74-10632] pO173 N74-27795	geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887
ERTS-1 data collection systems used to predict wheat disease severities	KOULEV, P.
[CONTRIB-1387] pO173 N74-27797	Extraction of the difference between two images p0211 A74-35492
Seasonal canopy reflectance patterns of wheat, sorghum and soybean	KOVACS, A.
[CONTRIB-1385] p0173 N74-27798	Investigations performed on the Arctic ice dynamics joint
Flexible DCP interface	experiment, March 1971 [AD-775381] p0201 N74-23020
[CONTRIB-1397] p02,23 N74-27799 ARGER, A. M.	KRAUS, S. P.
The remote measurement of trace atmospheric species	Estimating population from photographically determined residential land use types p0179 A74-30794
by correlation interferometry. 1 - Carbon monoxide and methane p0177 A74-29703	KREKOV, G. M.
ECK, D. A.	Determination of aerosol parameters of the atmosphere
Geologic structure analysis using radar imagery of the	by laser sounding from space p0219 A74-33306 KRIEBEL, K. T.
coal mining area of Buchanan County, Va. [PB-228689/6] pO198 N74-28919	The spectral reflectance of a vegetated surface. II - An
ELLER, M.	eight-channel-radiometer for measurements of the reflected radiation field p0220 A74-34636
Skylab A proposal aerotriangulation with very small scale	KRIEGLER, F. J.
photography [E74-10459] pO221 N74-21984	Extension of ERIM multispectral data processing
HODAREY, IU. K.	capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609
Application of space-oriented equipment in earth resources studies and in environmental control - An aircraft	KRITIKOS, H.
experiment p0220 A74-33903	Suspended solids analysis using ERTS-A data p0179 A74-30797
Equipment for space research: Data coding and compression p0221 A74-37509	KRUMPE, P. F.
compression p0221 A74-37509 HODAREV, Y. K.	Water supply studies p0210 N74-28851
Application of space techniques to natural resources study	KRUPP, J. W. Predicting soil moisture and wheat vegetative growth
and environmental monitoring: An aircraft experiment [NASA-TT-F-15883] P0228 N74-27870	from ERTS-1 imagery p0173 N74-27800
Use of base techniques for environmental resource	KUHNER, M. B. Calibration and evaluation of Skutch attimetry for geodetic
studies. An aircraft experiment p0224 N74-29055	Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid
An airborne laser fluorosensor for the detection of oil	[E74-10612] pO190 N74-27788
on water p0179 A74-29724	Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid
ING, C. Design data collection with Skylab/EREP microwave	[E74-10579] pO191 N74-28822
instrument S-193	KUNDE, V. G.
[E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave	Estimation of sea surface temperature from remote sensing in the 11-13 micron window region
instrument S-193	[NASA-TM-X-70649] p0201 N74-25888
[E74-10584] p0223 N74-28827	KURTZ, D. D. Preliminary report on sand-streaming in Agadez and
A survey of terrain radar backscatter coefficient measurement programs	Tahoua Departments, Republic of Niger
[E74-10634] p0224 N74-28868	[E74-10442] pO181 N74-21967
Design data collection with Skylab/EREP microwave	•
instrument S-193 [E74-10649] p0224 N74-28882	L
Design data collection with Skylab/EREP microwave	
instrument S-193	LACHOWSKI, H. M. ASTEP user's guide and software documentation
[E74-10650] p0224 N74-28883	[NASA-CR-134303] p0215 N74-26713
Radiometric gages: A bibliography	LADNORG, U. Earth Resources Technology Satellite 1 - Space research
[TID-3338] p0223 N74-27891	object earth p0226 A74-35982
IRVIDA, L. Automatic photointerpretation for plant species and stress	LAMAR, D. L.
identification (ERTS-A1)	Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California
[E74-10592] p0174 N74-28834	[E74-10565] pO196 N74-27776
LEMAS, V. Monitoring coastal water properties and current	LANDGREBE, D. A.
circulation with spacecraft polary A74-29721	Machine processing methods for earth observational data p0211 A74-29025
Skylab/EREP application to ecological, geological and	Research in remote sensing of agriculture, earth
oceanographic investigations of Delaware Bay [E74-10437] pO199 N74-21962	resources, and man's environment [NASA-CR-138885] p0175 N74-28892
[E. 7 10101] police 1174-2 1002	(100000) po.70 iii 4 20002

nesearch in remote sensing of agriculture, earth resources, and man's environment [NASA-CR-138885] LANDPHAIR, H.

Application of remote sensing to state and regional problems [NASA-CR-138394] pO182 N74-22973 LANGAN, L The application of the Correlation Spectrometer to ambient air quality and source emissions

pO178 A74-29712

LANGLEY, P. G.
Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys
[E74-10446] p0168 N74-21971

LAPERRIERE, A. J.
Application of ERTS imagery to the study of caribou movements and winter habitat [E74-10636] p0175 N74-28870

LAPMAN, G. Water demand studies in central California p0210 N74-28852

LAUER, D. T.	UST. F. K.	MADCONI A
Water supply studies p0210 N74-28851	Comparison of geological information obtained from	MARCONI, A. Design study for the ERAF data processing facility
LAVIOLETTE, P. E.	satellite and aerial photographs and from ground	[ESRO-CR(P)-352] p0213 N74-22061
Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973	investigations in the Tibesti Mountains /Chad/ p0193 A74-35499	MARINO, C. M. Volcanology, geology, and vegetation of Sicily and Italy
[NASA-TM-X-70692] p0203 N74-28072	LISTON, E. M.	[E74-10626] p0197 N74-27793
LAVROVA, N. P. Photometry of the planet earth from Zond space	Calibrated remote measurement of NO2 using the	MARLENKO, N.
stations p0187 A74-36376	differential-absorption backscatter technique p0179 A74-30685	Delimitation of the cultivated and uncultivated areas of Argentina photographed by Skylark SL 1181, using rocket
LEAGUE, L	LOATS, H. L., JR.	photography
Detection of moisture and moisture related phenomena from Skylab	Synthesis and analysis of ERTS program. Water	[UR-RSP-3] p0172 N74-26930 MARMELSTEIN, A. D.
[E74-10471] p0206 N74-22948	resources: Significance, user requirements, remote sensing applications	Application of ERTS-1 data to the harvest model of the
Detection of moisture and moisture related phenomena from Skylab	[E74-10554] p0209 N74-28810	US menhaden fishery
[E74-10511] p0170 N74-25838	LOBANOV, A. N.	[E74-10504] p0200 N74-22952 MARRS, R. W.
Detection of moisture and moisture related phenomena	Establishing an automated system for process control of aerial photogeodesic and cartographic production	Multidisciplinary study of Wyoming test sites
from Skylab [E74-10540] p0171 N74-25858	p0187 A74-31445	[E74-10624] p0230 N74-28863
LEBEL, P. J.	Analytic rectification for the compilation of topographic	Some illustrations of the advantages of improved resolution in geologic studies
The remote measurement of trace atmospheric species	maps and photomaps in a given projection p0187 A74-36382	[E74-10628] p0198 N74-28864
by correlation interferometry. I - Carbon monoxide and methane p0177 A74-29703	LONGSHAW, T. G.	MAUGHAN, P. M. Application of ERTS-1 data to the harvest model of the
LECHI, G. M.	Field spectroscopy for multispectral remote sensing - An	US menhaden fishery
Volcanology, geology, and vegetation of Sicily and Italy	analytical approach p0219 A74-31869	[E74-10504] p0200 N74-22952
[E74-10626] p0197 N74-27793 LEE, K.	LOVE, J. D. Partial performance degradation of a remote sensor in	MAUL, G. A. Remote sensing of ocean current boundary layer
Geologic and mineral and water resources investigations	a space environment, and some probable causes	[E74-10443] p0200 N74-21968
in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011	p0219 A74-28592	Remote sensing of ocean current boundary layer
Geologic information from satellite images	LUDWIG, C. B. Measurement of air pollutants from satellites. 1 -	[E74-10535] p0201 N74-25853 Remote sensing of ocean current boundary layer
[E74-10507] p0195 N74-22954	Feasibility considerations p0180 A74-31870	[E74-10633] p0203 N74-27801
Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado	Determination of aerosol content in the atmosphere from	MAY, C. L. ERTS image data compression technique evaluation
[E74-10508] p0195 N74-22955	ERTS-1 data [E74-10452] p0212 N74-21977	[E74-10627] p0216 N74-27794
New uses of shadow enhancement	LYON, R. J. P.	MCCAULEY, J. R.
[E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock	Multispectral signatures in relation to ground control	Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery
discrimination	signature using nested sampling approach [E74-10625] p0216 N74-27792	[E74-10456] p0205 N74-21981
[E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations	LYTLE, E.	Ground pattern analysis in the Great Plains
in western Colorado, using Skylab EREP data	Water demand studies in central California	[E74-10457] p0212 N74-21982
[E74-10613] pO197 N74-28844	p0210 N74-28852	Skylab study of water quality [E74-10466] p0205 N74-21991
LENHERT, D. Wheat: Its water use, production and disease detection	LYTLE, S. Water demand studies in central California	MCCLAIN, E. P.
and prediction	p0210 N74-28852	A joint meteorological, oceanographic and sensor
[E74-10632] p0173 N74-27795		evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979
ERTS-1 data collection systems used to predict wheat disease severities	M	A joint meteorological, oceanographic and sensor
[CONTRIB-1387] p0173 N74-27797	•••	evaluation program for experiment S193 on Skylab
LENT, P. C. Application of ERTS imagery to the study of caribou	MACDONALD, W. R.	[E74-10514] p0223 N74-26857 MCCLUNEY, W. R.
movements and winter habitat	The cartographic application of ERTS/RBV imagery in	Estimation of sunlight penetration in the sea for remote
[E74-10636] p0175 N74-28870	polar regions (F74-10470)	sensing
LEVIN, I. I.	[E74-10470] p0188 N74-21995	sensing [NASA-TM-X-70643] p0200 N74-22059
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T.
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N.	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Pretiminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX. 8. Mendonca's dream of Brazil in space	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778780] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS. L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG. T.	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G.	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program	[E74-10470] p0188 N74-21995 MACLEOD, N. M. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX. B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS. L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG. T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Pretiminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALILA, W. A.	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T.
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M.	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Pretiminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones	[E74-10470] po188 N74-21995 MACLEOD, N. M. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALIA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Infrared, radar, and optical applications of ERTS data	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T.
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Pretiminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of serial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W.	[E74-10470] po188 N74-21995 MACLEOD, N. M. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN. O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALLA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Infared, radar, and optical applications of ERTS data [E74-10497] wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task)	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0122 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10497] wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22053	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMUNTRY, G. J.
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0122 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0189 N74-22025 Developing processing techniques for Skylab data [E74-10457] p0182 N74-22050 Developing processing techniques for Skylab data [E74-10512] p0185 N74-28856	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] infrared, radar, and optical applications of ERTS data [E74-10497] wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) p0169 N74-22050 Developing processing techniques for Skylab data [E74-10512] Developing processing techniques for Skylab data [E74-10512] Developing processing techniques for Skylab data [E74-10512] Developing processing techniques for Skylab data	sensing [NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMUNTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0122 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0189 N74-22025 Developing processing techniques for Skylab data [E74-10457] p0182 N74-22050 Developing processing techniques for Skylab data [E74-10512] p0185 N74-28856	Sensing PO200 N74-22059
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 [E74-10511] p0170 N74-25838 [E74-10511] p0170 N74-25838	[E74-10470] po188 N74-21995 MACLEOD, N. M. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10497] p0182 N74-21970 Infaraed, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0168 N74-22050 Developing processing techniques for Skylab data [E74-10563] p0215 N74-28856 Developing processing techniques for Skylab data [E74-10563] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588]	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838	[E74-10470] p0188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] p0181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILLA, W. A. Developing processing techniques for Skylab data [E74-10445] p0122 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) p0169 N74-22050 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Developing processing techniques for Skylab data [E74-10563] wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W.	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838	[E74-10470] po188 N74-21995 MACLEOD, N. M. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10497] p0182 N74-21970 Infaraed, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0168 N74-22050 Developing processing techniques for Skylab data [E74-10563] p0215 N74-28856 Developing processing techniques for Skylab data [E74-10563] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588]	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS date [E74-10573] p0216 N74-28817 MCMAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCMAUGHTON, J. L. Optical data processing analysis of stream patterns
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10510] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10445] p0182 N74-22022 Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 Developing processing techniques for Skylab data [E74-10512] Developing processing techniques for Skylab data [E74-10563] p0169 N74-22774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites. I po180 A74-31870 Determination of aerosol content in the atmosphere from	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCMAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] MCNAUGHTON, J. L. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0206 N74-22948 [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont	[E74-10470] po188 N74-21995 MACLEOD, N. M. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Infaraed, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0168 N74-22050 Developing processing techniques for Skylab data [E74-10512] p0215 N74-28856 Developing processing techniques for Skylab data [E74-10563] p0196 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] MALKMUS, W. Measurement of air pollutents from satellites, I Feasibility considerations Determination of aerosol content in the atmosphere from ERTS 1 data	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS date [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCMAUGHTON, J. L Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10510] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] nlfrared, radar, and optical applications of ERTS date [E74-10497] wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0189 N74-22050 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Developing processing techniques for Skylab data [E74-10563] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites, 1- Feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V.	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCMAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] MCNAUGHTON, J. L. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138139] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 LETA-10511] p0170 N74-25838 LETA-10511] p0170 N74-25838 LETA-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALILLA, W. A. Developing processing techniques for Skylab data [E74-10445] po182 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10497] po182 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) po189 N74-22050 Developing processing techniques for Skylab data [E74-10512] po215 N74-26856 Developing processing techniques for Skylab data [E74-10512] p0215 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites. I -Feasibility considerations po180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V. Skylab support	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattem analysis in the Great Plains [E74-10457] Ground pattem analysis in the Great Plains
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0122 N74-21970 Infrared, radar, and optical applications of ERTS date [E74-10497] p0182 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) p0189 N74-22025 Developing processing techniques for Skylab data [E74-10512] p0216 N74-27774 Wetlands mepping of Michigan from ERTS date [E74-10563] p0216 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites. I p6asibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMUATRY, G. J. The Pen State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCMAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] Ground pattern analysis in the Great Plains [E74-10595] p0190 N74-27781
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALILLA, W. A. Developing processing techniques for Skylab data [E74-10445] p0122 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10447] wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) p0169 N74-22022 Developing processing techniques for Skylab data [E74-10512] p0215 N74-28856 p0216 N74-25856 Developing processing techniques for Skylab data [E74-10563] p0169 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites, I-Feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10451] p0226 N74-22071 [P74-10457] p0168 N74-22001	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattem analysis in the Great Plains [E74-10457] Ground pattem analysis in the Great Plains
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution LINK, L. E., JR. Application of remote sensors to army facility	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] infrared, radar, and optical applications of ERTS data [E74-10497] wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Developing processing techniques for Skylab data [E74-10563] p0169 N74-22774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites. I-p6asibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10451] p0212 N74-21977 MANDER RSCHEID, L. V. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data [E74-10477] Skylab support	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138139] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 [E74-10511] p0170 N74-25838 [E74-10540] p0171 N74-25838 [E74-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 LINK, L. E., JR. Application of remote sensors to army facility management	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Infared, radar, and optical applications of ERTS data [E74-10497] wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Developing processing techniques for Skylab data [E74-10583] wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites. I - Feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0212 N74-21977 MANDERSCHEID, L V. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data [E74-10477] p0168 N74-22001 Skylab support [E74-10458] p0227 N74-25864	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution LINK, L. E., JR. Application of remote sensors to army facility	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALILLA, W. A. Developing processing techniques for Skylab data p0212 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10497] po182 N74-22022 Wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) NASA-CR-134253] po189 N74-22025 Developing processing techniques for Skylab data [E74-10512] po215 N74-26856 Developing processing techniques for Skylab data [E74-10563] p0180 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10563] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites. I -Feasibility considerations po180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-I data [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10458] p0226 N74-21976 Investigation of Skylab data [P0216 N74-22001] Skylab support [E74-10548] p0227 N74-25864 Investigation of Skylab data	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMUATRY, G. J. The Pen State ORSER system for processing and analyzing ERTS and other MSS data [E74-1053] p0216 N74-28817 MCMAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10595] Ground pattern analysis in the Great Plains [E74-10595] p0190 N74-27781 MCNEILL, W. A. Atmospheric effects on remote sensing of non-uniform temperature sources [NASA-CR-129028] p0222 N74-25878 MEIER, M. F.
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEVIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10517] p0206 N74-25838 [E74-10511] p0170 N74-25838 [E74-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 LINK, L. E. JR. Application of remote sensors to army facility management [AD-775407] p0182 N74-22621 LUNS, H. F. JR. Urban and regional land use analysis: CARETS and	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10443] p0214 N74-25837 MALILLA, W. A. Developing processing techniques for Skylab data [E74-10445] p0122 N74-21970 Infrared, radar, and optical applications of ERTS date [E74-10497] p0182 N74-22022 Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois for CITARS task) (NASA-CR-134253) p0189 N74-22025 Developing processing techniques for Skylab data [E74-10512] p0216 N74-27774 Wetlands mapping of Michigan from ERTS date [E74-10563] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites, 1-feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 date [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10458] p0226 N74-21976 Investigation of Skylab data [E74-10548] p0227 N74-25865	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAUR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattem analysis in the Great Plains [E74-10457] p0212 N74-21982 Ground pattem analysis in the Great Plains [E74-10595] p0190 N74-27781 MCNEILL, W. A. Atmospheric effects on remote sensing of non-uniform temperature sources [NASA-CR-129028] p0222 N74-25878 MEIER, M. F. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution LINK, L. E., JR. Application of remote sensors to army facility management [A0-775407] p0182 N74-22621 LINS, H. F., JR. Urban and regional land use analysis: CARETS and Census Cities experiment package	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10497] wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) p0168 N74-22020 Developing processing techniques for Skylab data [E74-10512] p0216 N74-28856 p0216 N74-27774 wetlands mapping of Michigan from ERTS data [E74-10563] p0190 N74-27778 MALMBUS, W. Measurement of air pollutants from satellites, I - Feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0216 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10471] p0226 N74-21976 Investigation of Skylab data [E74-10451] p0226 N74-21977 Skylab support [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138139] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 [E74-10511] p0170 N74-25838 [E74-10511] p0170 N74-25838 [E74-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 LINK, L. E., JR. Application of remote sensors to army facility management [A0-775407] p0182 N74-22621 LINS, H. F., JR. Urban and regional land use analysis: CARETS and Census Cities experiment package	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX. 8. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] p0214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] lnfrared, radar, and optical applications of ERTS date [E74-10497] wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050 Developing processing techniques for Skylab data [E74-10563] p0169 N74-22750 Developing processing techniques for Skylab data [E74-10563] p0216 N74-2774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites. I po190 N74-27778 MALKMUS, W. Skylab support [E74-10451] p0226 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780 MANDICS, P. A.	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS date [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] Ground pattern analysis in the Great Plains [E74-10459] p0190 N74-27781 MCNEILL, W. A. Atmospheric effects on remote sensing of non-uniform temperature sources [NASA-CR-129028] p0222 N74-25878 MEIER, M. F. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10489] Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10489]
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 LET4-10511] p0170 N74-25838 LET4-10540] p0171 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution LINK, L. E., JR. Application of remote sensors to army facility management [AD-775407] p0182 N74-22821 LINS, H. F., JR. Urban and regional land use analysis: CARETS and Census Cities experiment package [E74-10581] p0184 N74-22824 LINATOV, N. B. Cloud cover effect during earth surface feature	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] p0212 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10497] wheat classification exercise, using 11 June 1973. ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) p0168 N74-22020 Developing processing techniques for Skylab data [E74-10512] p0216 N74-28856 p0216 N74-27774 wetlands mapping of Michigan from ERTS data [E74-10563] p0190 N74-27778 MALMBUS, W. Measurement of air pollutants from satellites, I - Feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0216 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10471] p0226 N74-21976 Investigation of Skylab data [E74-10451] p0226 N74-21977 Skylab support [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS. L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG. T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138136] p0228 N74-27806 LILLESAND. T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN. W. Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0206 N74-22948 [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10540] p0171 N74-25858 LIND. A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINDERNELTER. R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution LINK, L. E. JR. Application of remote sensors to army facility management [AD-775407] p0182 N74-22621 LINB, H. F., JR. Urban and regional land use analysis: CARETS and Census Cities experiment package [E74-10581] P0184 N74-28824 LIPATOV. V. B. Goud cover effect during earth surface feature identification by visual and photographic observations from identification by visual and photographic	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10443] po214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data p0212 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10457] po182 N74-22022 Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois for CITARS task) NASA-CR-134253 po189 N74-22025 Developing processing techniques for Skylab data [E74-10512] po215 N74-26856 Developing processing techniques for Skylab data [E74-10563] p0190 N74-27778 Wetlands mapping of Michigan from ERTS data [E74-10563] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites, 1 - Feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10548] p0226 N74-21976 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780 MANDICS, P. A. A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques p020(N74-2586) p0202 N74-25865	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] ground pattern analysis in the Great Plains [E74-10595] p0190 N74-27781 MCNEILL W. A. Almospheric effects on remote sensing of non-uniform temperature sources [NASA-CR-129028] p0222 N74-25878 MEIER, M. F. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 MELCHIOR, H. R.
LEVIN, I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEWIS, L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG, T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 LILLESAND, T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10517] p0183 N74-25858 LIND, A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LINGENFELTER, R. E. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution LINK, L. E. J.R. Application of remote sensors to army facility management [A0-775407] p0182 N74-28859 LINB, H. F., JR. Urban and regional land use analysis: CARETS and Census Cities experiment package [E74-10581] p0184 N74-28824 LIPATOV, V. B. Cloud cover effect during earth surface feature identification by visual and photographic observations from space	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10494] po214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data [E74-10445] po182 N74-22022 Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois (for CITARS task) (NASA-CR-134253) po169 N74-22050 Developing processing techniques for Skylab data [E74-10512] power of Skylab data [E74-10552] polephing processing techniques for Skylab data [E74-10553] po169 N74-22774 Wetlands mapping of Michigan from ERTS data [E74-10563] po169 N74-27778 MALMAUS, W. Measurement of air pollutants from satellites, I-p8218 NAKMUS, W. Measurement of aerosol content in the atmosphere from ERTS-1 data [E74-10452] po190 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10451] po226 N74-21976 MANDERSCHEID, L. V. Skylab support [E74-10549] po227 N74-25864 Investigation of Skylab data [E74-10549] po227 N74-25865 Investigation of Skylab data [E74-10549] po227 N74-25865 MANDICS, P. A. A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques [NOAA-TR-ERL-278-WPL-25] po202 N74-26952	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCMAUGHTON, J. L. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattem analysis in the Great Plains [E74-10457] p0212 N74-21982 Ground pattem analysis in the Great Plains [E74-10595] p0190 N74-27781 MCNEILL W. A. Atmospheric effects on remote sensing of non-uniform temperature sources [NASA-CR-129028] p0222 N74-25878 MEIER, M. F. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0209 N74-28839 MELICHIOR, H. R. Perliminumary vegetation map of the Espenberg Peninsula.
LEVIN. I. I. Methodological plan for aerial seismic studies at sea and in the open ocean [JPRS-62075] p0202 N74-26901 LEVIS. L. N. Evaluation of remote sensing in control of pink bollworm in cotton [E74-10503] p0169 N74-22024 LIANG. T. Remote sensing program [NASA-CR-138135] p0226 N74-22026 Cornell University remote sensing program [NASA-CR-138135] p0228 N74-27806 LILLESAND. T. M. Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944 LIN, W. Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 [E74-10517] p0170 N74-25838 [E74-10540] p0171 N74-25838 LIND. A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LIND. A. O. Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842 LIND. A. O. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution LINK, E. JR. Application of remote sensors to army facility management [AD-775407] p0182 N74-22621 LINS, H. F. JR. Urban and regional land use analysis: CARETS and Census Cities experiment package [E74-10581] p0184 N74-28824 LIPATOV. V. B. Cloud cover effect during earth surface feature identification by visual and photographic observations from identification by visual and photographic observations from sensors in the surface feature identification by visual and photographic observations from incorten.	[E74-10470] po188 N74-21995 MACLEOD, N. H. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] po181 N74-21967 MADDOX, B. Mendonca's dream of Brazil in space p0225 A74-29288 MALAN, O. G. To assess the value of satellite imagery in resource evaluation on a national scale [E74-10443] po214 N74-25837 MALILA, W. A. Developing processing techniques for Skylab data p0212 N74-21970 Infrared, radar, and optical applications of ERTS data [E74-10457] po182 N74-22022 Wheat classification exercise, using 11 June 1973, ERTS MSS data for Fayette County, Illinois for CITARS task) NASA-CR-134253 po189 N74-22025 Developing processing techniques for Skylab data [E74-10512] po215 N74-26856 Developing processing techniques for Skylab data [E74-10563] p0190 N74-27778 Wetlands mapping of Michigan from ERTS data [E74-10563] p0190 N74-27778 MALKMUS, W. Measurement of air pollutants from satellites, 1 - Feasibility considerations p0180 A74-31870 Determination of aerosol content in the atmosphere from ERTS-1 data [E74-10452] p0212 N74-21977 MANDERSCHEID, L. V. Skylab support [E74-10548] p0226 N74-21976 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780 MANDICS, P. A. A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques p020(N74-2586) p0202 N74-25865	[NASA-TM-X-70643] p0200 N74-22059 MCCRICKERD, J. T. Holographic stereogram display techniques for the viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924 MCGINNIS, D. F. New dimensions in satellite hydrology p0205 A74-33957 Detecting metting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 MCGOGAN, J. T. The S-193 radar altimeter experiment p0187 A74-35136 MCLAURIN, J. D. Cartographic evaluation of Skylab-A S-192 scanner images [E74-10538] p0189 N74-25856 MCMURTRY, G. J. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817 MCNAIR, A. J. Cornell University remote sensing program [NASA-CR-138749] p0228 N74-27806 MCNAUGHTON, J. L Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] ground pattern analysis in the Great Plains [E74-10595] p0190 N74-27781 MCNEILL W. A. Almospheric effects on remote sensing of non-uniform temperature sources [NASA-CR-129028] p0222 N74-25878 MEIER, M. F. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 MELCHIOR, H. R.

Design data collection with skylab/EREP microwave NICHOLS, D. MELFI. S. H. Standard methods for analysis and interpretation of Lidar data for environmental monitoring p0178 A74-29709 instrument S-193 [E74-10584] Water demand studies in southern California A survey of terrain redar backscatter coefficient measurement programs [E74-10634] 00210 N74-28853 MELNGAILIS, I. NICHOLS, J. D. p0220 A74-34770 Machine processing methods for earth observational Narrow gap semiconductors p0211 A74-29025 MELONI, G. Design data collection with Skylab/EREP microwave Legal espects of estimating, conserving, and developing Skylab data as an aid to resource management in northern p0168 N74-22019 resources by means of spacecraft California p0224 N74-28882 [E74-10649] n0225 A74-33601 Water supply studies p0210 N74-28851 Design data collection with Skylab/EREP microwave instrument S-193 MENZIES, R. T. NOLAN, K. M. Floodplain mapping and planning for the 50 and 100 ear interval flood zones of the Bitterroot Valley, Montana PB-226082/6) p0207 N74-23030 Air pollution - Remote detection of several pollutant gases [E74-10650] p0224 N74-28883 pQ177 A74-28550 with a laser heterodyne radiometer MORGENSTERN, J. P.
Signature extension: An approach to operational Remote atmospheric sensing with an airborne laser [PB-226082/6] p0221 A74-37476 absorption spectrometer multispectral survey MERCANTI, E. P. [NASA-CR-134254] p0214 N74-22608 0 Widening ERTS applications DO225 A74-29451 MORRILL R. A. MERCHANT, J. W. Current measurements in the Salton Sea using ERTS multispectral imagery [E74-10653] The use of high altitude aerial photography to inventory OBERBECK, V. R. wildlife habitat in Kansas: An initial evaluation n0204 N74-28886 Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahoe, California-Nevada p0205 A74-30796 [TR-2230-14-1] pO169 N74-22032 MORRISON, R. B. Evaluation of ERTS-1 imagery for mapping Quaternary deposits and landforms in the Great Plains and Midwest MEREWITZ, L. On the feasibility of benefit-cost analysis applied to mote sensing projects p0230 N74-28856 ODELL P. L p0196 N74-27789 remote sensing projects Comparison of some classification technique: MOURAD, A. G. MERIFIELD, P. M. p0211 A74-34438 Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid [E74-10447] p0188 N74-21972 Fault tectonics and earthquake hazards in the Peninsular Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-138392] 00170 N74-22000 OLSON, C. F., JR. Ranges, southern California [E74-10528] pO195 N74-25846 Calibration and evaluation of Skylab al timetry for geodetic Fault tectonics and earthquake hazards in the Peninsular determination of the geoid Ranges, southern California OLSON, N. K.

Application of multispectral photography to mineral and land resources of South Carolina [E74-10533] n0189 N74-25851 [E74-10565] pO196 N74-27776 Calibration and evaluation of Skylab altimetry for geodetic Fault tectonics and earthquake hazards in the Peninsular determination of the geoid Ranges, southern California [E74-10570] DO190 N74-27788 (E74-10612) [E74-10464] p0193 N74-21989 pO197 N74-28814 Calibration and evaluation of Skylab altimetry for geodetic OSETROVA T A MEYER, M. P. determination of the geoid Determining the geometric characteristics of a sea surface by the signal scattered from it [AD-777436] p0203 N74-27837 Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf [E74-10579] p0191 N74-28822 loss due to dwarf MUENCH, R. D. p0203 N74-27837 nistletoe The circulation of Prince William Sound [E74-10575] p02 OTLEY, M. [NASA-CR-138806] p0173 N74-27804 DO203 N74-28819 Monitoring coastal water properties and current circulation with spacecraft p0179 A74-29721 MILAZZO, V. A. MYERS, V. I. Urban and regional land use analysis: CARETS and Census Cities experiment package
[E74-10473] p0181 N74-21997 Develop techniques and procedures, using multispectral systems, to identify from remotely sensed data the physical Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery and thermal characteristics of plants and soil [E74-10532] p0168 N74-22010 p0201 N74-25850 Some findings on the applications of ERTS and Skylab Correlation of coastal water turbidity and circulation with Develop techniques and procedures, using multispectral for metropolitan land use analysis ERTS-1 and Skylab imagery [E74-10589] systems, to identify from re ems, to identify from remotely sensed data the physical thermal characteristics of plants and soil [E74-10630] p0185 N74-28866 p0209 N74-28831 MILLER, G. H.

An ERTS-1 study of coastal features on the North Carolina p0172 N74-27770 [E74-10556] P [E74-10513] p0201 N74-25839 N MILLER, L. S.
The S-193 radar altimeter experimen PACE, W. H., JR. ASTEP user's guide and software documentation [NASA-CR-134303] p0215 N74nO187 A74-35136 p0215 N74-26713 Determination of aerosol parameters of the atmosphere MILLER, W. F. by laser sounding from space NALEPKA, R. F. p0219 A74-33306 PAERL H. W. Application of remote sensing to state and regional rruckee River sediment plume in California-Nevada Limnological studies and remote sensing of the Upper problems [NASA-CR-138394] Developing processing techniques for Skylab data
[E74-10445] p0212 N74-21970 Lake DO182 N74-22973 p0205 A74-30796 MILLS, B. C. Skylab support PARKS, W. L. Coast Guard Airborne Remote Sensing System [E74-10451] p0226 N74-21976 Utilizing ERTS imagery to detect plant diseases and p0179 A74-29723 Infrared, radar, and optical applications of ERTS data
[E74-10497] p0182 N74-22022 nutrient deficiencies, soil types and soil moisture levels [E74-10585] p0174 N74-28828 MITNIK, L. M. Use of radiometric measurements in the microwave band Signature extension: An approach to operational Utilizing ERTS imagery to detect plant diseases and for spectral investigations of the earth's multispectral surveys [NASA-CR-134254] nutrient deficiencies, soil types and soil moisture levels [E74-10629] p0174 N74-28865 p0220 A74-36675 p0214 N74-22608 MOFFAT, A. J. PARSONS. A. J.
Preliminary results from Skylark earth resources experiment in Argentina Skylab support Further developments in correlation spectroscopy for mote sensing air pollution p1801,A74-29705
The application of the Correlation Spectrometer to [£74-10548] Developing p0227 N74-25864 for Skylab data techniques pO215 N74-26856 [E74-10512] [UR-RSP-5] p0228 N74-26932 ambient air quality and source emissions Developing processing techniques for Skylab data [E74-10563] p0216 N74-2 p0178 A74-29712 PASTULA, E. J., JR. Preliminary results of fisheries investigation associated with Skylab-3 p0216 N74-27774 Wetlands mapping of Michigan from ERTS data Remote sensing as an aid to route evaluation for relocated [E74-10588] p0190 N74-27778 Louisiana Highway 1 [NASA-CR-138770] p0200 N74-22003 NEDELYAEV, A. M. p0183 N74-26910 PATTERSON, R. E. Remote sensing as an aid to route evaluation for relocated Louisiana Highway 1 Determining the geometric characteristics of a sea surface Utilization of space technology for terrestrial solar by the signal scattered from it [AD-777436] p0226 A74-36226 p0203 N74-27837 [NASA-CR-138748] DO184 N74-27805 PEACOCK, K. MOORE, G. K.
The hydrologic significance of faults in the Great Smoky NELSON, H. K. A technique for correcting ERTS data for solar and Utilization of Skylab (EREP) system for appraising atmospheric effects p0213 N74-22013 Mountains National Park changes in continental migratory bird habitat [F74-104R9] [E74-10460] p0168 N74-22012 p0205 N74-21985 significance of linearments in central Hydrologic Utilization of Skylab (EREP) system for appraising The information content of remote measurements of Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) atmospheric temperature by satellite infra-red radiometry and optimum radiometer configurations hanges in continental migratory bird habitat p0171 N74-26866 [F74-10557] DO210 N74-28874 p0221 A74-37021 [E74-10640] Utilization of Skylab (EREP) system for appraising MÒORE, R. K. changes in continental migratory bird habitat [E74-10555] p0172 A joint meteorological, oceanographic and sensor p0172 N74-27769 Geodesy and space p0187 A74-36384 valuation program for experiment \$193 on Skylab Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon NEMLIKHER, IU. A. Selection of boundary p0200 N74-21979 frequencies Detection of moisture and moisture related phenomena by observations from space vehicles intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength [AD-774398] [E74-10471] p0206 N74-22948 ntimeter wavelength p0221 A74-37520 PEMBROOK, J. D. range Detection of moisture and moisture related pheno-Instrument to monitor CH4, CO, and CO2 auto [PB-226438/0GA] p0182 N74 NEWHOUSE, M. E. p0182 N74-22132 [E74-10511] Use of remote sensing in agriculture [NASA-CR-62098] p0170 N74-25838 PENNEWELL, J. D. p0172 N74-26876 Detection of moisture and moisture related phenomena Applicability of Skylab remote sensing for detection and NEWTON, A. R. from Skylab monitoring of surface mining activities p0171 N74-25858 A comparison of black-and-white, color and infrared p0194 N74-21990 [E74-10540] [E74-10465] A joint meteorological, oceanographic and sensor evaluation program for experiment \$193 on Skylab photographs for geological interpretation at Witvlei, South Applicability of Skylab remote sensing for detection and p0211 A74-30793 monitoring of surface mining activities [E74-10572] 74-10514] p0223 N74-26857 Design data collection with Skylab/EREP microwave [F74-10514] NIBLETT, C.
Wheat: Its water use, production and disease detection p0197 N74-28816 PEPIN. T. J. and prediction instrument S-193 Remote-sensing the stratospheric aero [E74-10603] p0223 N74-27786 p0173 N74-27795 p0178 A74-29719

PETERSEN, G. W.	for proceeding and	QUAIDE, W. L. Limnological studies and remote	sensing of the Unner	RILEY, E. L. Investigation of environmental is	indicae from the Easth
The Penn State ORSER system analyzing ERTS and other MSS data		Truckee River sediment plume		Resources Technology Satellite	muices from the Earth
[E74-10573]	p0216 N74-28817	California-Nevada	p0205 A74-30796	[E74-10475]	p0181 N74-21999
PETTINGER, L R. A comparison of Skylab and ERTS	S data for agricultural			ROBBINS, R. C. Calibrated remote measurement	nt of NO2 using the
crop and natural vegetation interpret	ation	R		differential-absorption backscatter t	echnique
[E74-10586] PETTRY, D. E.	p0174 N74-28829			ROCHE, A. E.	p0179 A74-30685
Use of remote sensing in agricultu	ıre	RACINE, C. H.		Ultra narrow band infrared filter	radiometry
[NASA-CR-62098]	p0172 N74-26876	Preliminary vegetation map of the Alaska, based on an Earth Resource			p0177 A74-29704
PETTYJOHN, W. A. Automated strip-mine and reclan	mation manning from	image	s recrinology Satellite	RODGERS, E. 8. A multi-sensor analysis of Nimbu	s 5 data on 22 January
ERTS		[E74-10544]	p0171 N74-25862	1973	•
[E74-10490] PHILPOT, W.	p0194 N74-22014	RAGAN, J. G. Remote sensing as an aid for ma	-	[NASA-TM-X-70633] ROGERS, R.	p0221 N74-22115
Correlation of coastal water turbidit	ty and circulation with	[NASA-CR-138256]	p0182 N74-22976	Monitoring coastal water pr	operties and current
ERTS-1 and Skylab imagery		Remote sensing as an aid for r	narsh management:	circulation with spacecraft	p0179 A74-29721
[E74-10589] The application of large numbers	p0209 N74-28831	Lafouche parish, Louisiana [NASA-CR-138775]	p0208 N74-26912	Inventories of Delaware's coastal utilizing digital processing of ERTS	vegetation and land-use
collect synoptic sea-truth for ERTS-1		RAINES, G. L.	puzua 1474-20312	[E74-10531]	p0183 N74-25849
[E74-10591]	p0203 N74-28833	An evaluation of multiband p	shotography for rock	Correlation of coastal water turbin	dity and circulation with
PIECH, K. R. S190 interpretation techniques	development and	· discrimination	p0195 N74-22957	ERTS-1 and Skylab imagery [E74-10532]	p0201 N74-25850
application to New York State water	resources	[E74-10510] RANGO, A.	pu195 N74-22957	Correlation of coastal water turbic	
[E74-10593] S190 interpretation techniques	p0208 N74-27779	New dimensions in satellite hydro	ology	ERTS-1 and Skylab imagery [E74-10589]	p0209 N74-28831
application to New York State water		man and the second second second second	p0205 A74-33957	Inventories of Delaware's coastal	
[E74-10605]	p0209 N74-28838	Flood hazards studies in the Missis remote sensing	sippi River basin using	utilizing digital processing of ERTS-	
PIERSON, W. J. A joint meteorological, oceano	graphic and sensor	[NASA-TM-X-70682]	p0208 N74-27830	[E74-10590] ROGERS, R. H.	p0185 N74-28832
evaluation program for experiment S	193 on Skylab	RAO, P. K.		Automated land-use mapping	
[E74-10454]	p0200 N74-21979	An evaluation of May 1971 satell temperatures for the Southern Hem		[E74-10440]	p0188 N74-21965
A joint meteorological, oceano evaluation program for experiment S		[NOAA-TR-NESS-69]	p0201 N74-25870	A technique for correcting ER atmospheric effects	iro uata ioi solar and
[E74-10514]	p0223 N74-26857	RAPER, O. F.	•	[E74-10489]	p0213 N74-22013
PINCURA, P. G. Relevance of ERTS-1 to the State	of Ohio	Measurement of the abundan stratospheric trace constituents from		Automated strip-mine and recla ERTS	mation mapping from
[E74-10641]	p0230 N74-28875	stratospheric trace constituents from	p0177 A74-29702	[E74-10490]	p0194 N74-22014
POGGE, E. C.		RATTI, B.	·	Automatic classification of eutrop	phication of inland lakes
Detection of moisture and moistur from Skylab	re related phenomena	Design study for the ERAF data p [ESRO-CR(P)-352]	processing facility p0213 N74-22061	from spacecraft data [E74-10580]	p0209 N74-28823
[E74-10471]	p0206 N74-22948		p0213 N/4-22001	ROLAND, N. W.	p0200 1174-20020
Detection of moisture and moisture	re related phenomena	REED, L. E. Automated land-use mapping	from spacecraft data	Comparison of geological info	rmation obtained from
from Skylab [E74-10511]	p0170 N74-25838	[E74-10440]	p0188 N74-21965	satellite and aerial photograph investigations in the Tibesti Mounts	
Detection of moisture and moisture		Automated strip-mine and reclar	nation mapping from	·	p0193 A74-35499
from Skylab [E74-10540]	p0171 N74-25858	ERTS [E74-10490]	p0194 N74-22014	ROSEN, J. M. Jet engine soot emission measur	rad at attituda
POHN, H. A.	p0171 1474-23638	Inventories of Delaware's coastal v	-	Set engine soot emission measur	p0179 A74-30397
Remote sensing geophysics from		utilizing digital processing of ERTS-		AOSENBAUM, S.	
[E74-10501] Remote sensing geophysics from 5	p0222 N74-22950 Skylab	[E74-10531]	p0183 N74-25849	Clutter return from vegetated are ROSS, D. S.	eas p016/ A/4-29046
		Automatic classification of eutrop			
[E74-10521]	p0196 N74-26860		nication of inland taxes	Ocean water color assessment f	from ERIS-I REV and
[E74-10521] POLCYN, F. C.	,	from spacecraft data		MSS imagery	
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic	cations of ERTS data	from spacecraft data [E74-10580]	p0209 N74-28823	MSS imagery [E74-10651]	p0204 N74-28884
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro	cations of ERTS data p0182 N74-22022 om ERTS data	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-	p0209 N74-28823 egetation and land-use 1 imagery	MSS imagery	p0204 N74-28884 measurement program
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588]	cations of ERTS data p0182 N74-22022	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590]	p0209 N74-28823	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft	p0204 N74-28884
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV. S. V.	cations of ERTS data p0182 N74-22022 om ERTS data p0190 N74-27778	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832	MSS imagery [E74-10851] ROSSBACH. A. Study for a geoscientific aircraft ROWAN, L. C.	p0204 N74-28884 measurement program p0227 N74-22070
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean	cations of ERTS data pO182 N74-22022 om ERTS data pO190 N74-27778 mic studies at sea and	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590]	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832	MSS imagery [E74-10651] ROSSBACH. A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fre [E74-10588] POTAPYEV, 8. V. Methodological plan for aerial seisr in the open ocean [JPRS-62075]	cations of ERTS data p0182 N74-22022 om ERTS data p0190 N74-27778	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS- [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615]	p0204 N74-28884 measurement program p0227 N74-22070
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean	policy of ERTS data policy ny4-22022 pm ERTS data policy ny4-27778 mic studies at sea and po202 N74-26901	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS- [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070	MSS imagery [E74-10651] ROSSBACH. A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS- [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Watlands mapping of Michigan fro [E74-10588] POTAPYEV. S. V. Methodological plan for aerial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586]	cations of ERTS data p0182 N74-22022 om ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L.	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV. S. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERTS crop and natural vegetation interpret. [E74-10586] POWELL, N. L. Use of remote sensing in agriculture.	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 attion for use of ERTS-A	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPPEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT's crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sansing in agricultu [NASA-CR-62098]	cations of ERTS data p0182 N74-22022 om ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 attion for use of ERTS-A	MSS imagery [E74-10651] ROSSBACH. A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution south sensors Arial detection of spill sources	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 m California p0210 N74-28853 rces with aerial imaging p0178 A74-29708
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for aerial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J.	cations of ERTS data p0182 N74-22022 DM ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 are p0172 N74-26876	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 etion for use of ERTS-A es data p0206 N74-22016	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sout sensors Arial detection of spill sources [PB-228105/3]	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 rn California p0210 N74-28853 rces with aerial imaging
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, 8. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 sire p0172 N74-26876 eter for use in remote	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 tion for use of ERTS-A ste data p0206 N74-22016 data using the ERTS-1	MSS imagery [E74-10651] ROSSBACH. A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution south sensors Arial detection of spill sources [P8-228105/3] RUIZ, A. L. Catalog of operational satellite p	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 rn California p0210 N74-28853 rces with serial imaging p0178 A74-29708 p0184 N74-26940 roducts
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885]	cations of ERTS data p0182 N74-22022 DM ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 are p0172 N74-26876	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REIMHEIMER, C. J.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 als in the detection of p0180 A74-35908 ation for use of ERTS-A as data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53]	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 m California p0210 N74-28853 rcces with aerial imaging p0178 A74-29708 p0184 N74-26940
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPPEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C.	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 sre p0172 N74-26876 eter for use in remote p0223 N74-27896	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source	p0209 N74-28823 egatation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A ss data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution soursensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E.	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 m California p0210 N74-28853 rcces with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885]	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 are p0172 N74-26876 eter for use in remote p0223 N74-27896 reture from remote o region	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources sensors	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 als in the detection of p0180 A74-35908 ation for use of ERTS-A as data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53]	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 m California p0210 N74-28853 res with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the
[E74-10521] POLCYM, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface temper sensing in the 11-13 micron window [NASA-TM-X-70849]	cations of ERTS data p0182 N74-22022 m ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tre p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source	p0209 N74-28823 egatation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A ss data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging	MSS imagery [E74-10651] ROSSBACH. A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution soursensors Arial detection of spill sources [P8-228105/3] RUIZ, A. L Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 rm California p0210 N74-28853 rces with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for aerial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P.	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tre p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v region p0201 N74-25888	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources are all detection of spill sources [P8-228105/3] RENNIE, J. C.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 atton for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M.	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 ross with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the r the equatorial Atlantic p0199 A74-34506
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for aerial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tre p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v region p0201 N74-25888	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source sensors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to determined	p0209 N74-28823 egatation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 attion for use of ERTS-A est data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and	MSS imagery [E74-10651] ROSSBACH. A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution soursensors Arial detection of spill sources [P8-228105/3] RUIZ, A. L Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 ross with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the r the equatorial Atlantic p0199 A74-34506
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempe: sensing in the 11-13 micron window [NASA-TM-X-70849] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436]	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tre p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v region p0201 N74-25888	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources are all detection of spill sources [P8-228105/3] RENNIE, J. C.	p0209 N74-28823 egatation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 attion for use of ERTS-A est data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution soutsensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photo	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 m California p0210 N74-28853 rcces with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 or the equatorial Atlantic p0199 A74-34506 ographically determined
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface temper sensing in the 11-13 micron window [NASA-TM-X-70849] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O.	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 are p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v p0201 N74-25888 eristics of e sea surface p0203 N74-27837	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources arial detection of spill sources [PB-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detection tripagery to detection of the sources are pollutions.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 cct plant diseases and d soil moisture levels po174 N74-28828 ct plant diseases and	MSS imagery [E74-10651] ROSSBACH. A. Study for a geoscientific aircraft ROWAN. L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sout sensors Arial detection of spill sources [P8-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photo residential land use types	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 m California p0210 N74-28853 rcces with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 or the equatorial Atlantic p0199 A74-34506 ographically determined
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempe: sensing in the 11-13 micron window [NASA-TM-X-70849] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436]	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 are p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v p0201 N74-25888 eristics of e sea surface p0203 N74-27837	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 tition for use of ERTS-A ss data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and d soil moisture levels p0174 N74-28828 et plant diseases and	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution soutsensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photo	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 m California p0210 N74-28853 rcces with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 or the equatorial Atlantic p0199 A74-34506 ographically determined
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface temper sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR.	cations of ERTS data p0182 N74-22022 pm ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tre p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources arial detection of spill sources [PB-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detection tripagery to detection of the sources are pollutions.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 cct plant diseases and d soil moisture levels po174 N74-28828 ct plant diseases and	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 m California p0210 N74-28853 rcces with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 or the equatorial Atlantic p0199 A74-34506 ographically determined
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measurement	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 att of N02 using the	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-851] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source sensors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10685] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10689] REV, P. A. Management of natural resource	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and d soil moisture levels p0174 N74-28828 zt plant diseases and d soil moisture levels p0174 N74-28828	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types S SABHASRI, S. Thailand national programme of	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 rccs with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 or in the region of the or the equatorial Atlantic p0199 A74-34506 orgaphically determined p0179 A74-30794
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface temper sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR.	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 att of N02 using the	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources and collection of spill sources [PB-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detect nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detect nutrient deficiencies, soil types an [E74-10629] REY, P. A. Management of natural resource cartographic inventory	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and d soil moisture levels p0174 N74-28828 zt plant diseases and d soil moisture levels p0174 N74-28828	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10815] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sout sensors Arial detection of spill sources [P8-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convectic intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photo residential land use types S SABHASRI, S. Thailand national programme of Technology Satellite	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 or California p0210 N74-28853 res with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the or the equatorial Atlantic p0199 A74-34506 ographically determined p0179 A74-30794 If the Earth Resources
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPPEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measureme differential-absorption backscatter ter	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 are p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 int of N02 using the chnique p0179 A74-30685	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source sensors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] REY, P. A. Management of natural resource atographic inventory [E74-10518] RICE, D. P.	p0209 N74-28823 egetation and land-use I imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A est data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-29708 p0184 N74-28988 et plant diseases and d soil moisture levels p0174 N74-28828 et plant diseases and d soil moisture levels p0174 N74-28828 et plant diseases and d soil moisture levels p0174 N74-28886 ets through automatic	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types S SABHASRI, S. Thailand national programme of	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 rccs with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 or in the region of the or the equatorial Atlantic p0199 A74-34506 orgaphically determined p0179 A74-30794
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface temper sensing in the 11-13 micron window [NASA-TM-X-70649] PRABHAKARO, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measurement differential-absorption backscatter tect PROST, G. L. Geologic and mineral and water re-	cations of ERTS data p0182 N74-22022 on ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tre p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of a sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 and of N02 using the chique p0179 A74-30685 sources investigations	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources (P8-228 105/3) RENNIE, J. C. Utilizing ERTS imagery to Tenutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detect nutrient deficiencies, soil types an [E74-10629] REY, P. A. Management of natural resource cartographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ation for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and do soil moisture levels p0174 N74-28828 et plant diseases and dd soil moisture levels p0174 N74-28885 ces through automatic p0189 N74-25843 g 11 June 1973, ERTS	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sout sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convectic intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photo residential land use types S SABMASRI, S. Thailand national programme of Technology Satellite [E74-10631]	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 res with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 or in the region of the or the equatorial Atlantic p0199 A74-34506 ographically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPPEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measureme differential-absorption backscatter ter	cations of ERTS data p0182 N74-22022 on ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tre p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of a sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 and of N02 using the chique p0179 A74-30685 sources investigations	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source sensors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] REY, P. A. Management of natural resource atographic inventory [E74-10518] RICE, D. P.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ation for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and do soil moisture levels p0174 N74-28828 et plant diseases and dd soil moisture levels p0174 N74-28885 ces through automatic p0189 N74-25843 g 11 June 1973, ERTS	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10815] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types S SABHASRI, S. Thailand national programme of Technology Satellite [E74-10831] SALOMONSON, V. V. New dimensions in satellite hydroness	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 ross with serial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the or the equatorial Atlantic p0199 A74-34506 orgraphically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for aerial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10508] PROCTOR, E. K., JR. Calibrated remote measuremen differential absorption backscatter ter PROST, G. L. Geologic and mineral and water rein western Colorado, using Skylab Ef	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 ati of N02 using the chnique p0179 A74-30685 sources investigations REP data	from spacecraft data [E74-10580] Inventories of Delaware's coastal vutilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-851] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source sensors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10629] REY, P. A. Management of natural resourc cartographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin MSS data for Fayette County, Illin [NASA-CR-134253] RICHARD, R. C.	p0209 N74-28823 egetation and land-use I imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 tion for use of ERTS-A es data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with serial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and d soil moisture levels p0174 N74-28885 es through automatic p0189 N74-25843 g 11 June 1973 ERTS nois (for CITARS task) p0169 N74-22050	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10815] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [PB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convectic intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photo residential land use types SABHASRI, S. Thailand national programme of Technology Satellite [E74-10831] SALOMONSON, V. V. New dimensions in satellite hydres SALVATO, P., JR.	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 or California p0210 N74-28853 ress with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the or the equatorial Atlantic p0199 A74-34506 orgaphically determined p0179 A74-30794 If the Earth Resources p0230 N74-28887 ology p0205 A74-33957
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10588] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRABHAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measuremed differential-absorption backscatter te- PROST, G. L. Geologic and mineral and water re- in western Colorado, using Skylab EI [E74-10613]	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 ati of N02 using the chnique p0179 A74-30685 sources investigations REP data	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution source sensors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10586] REY, P. A. Management of natural resourc cartographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin MSS data for Fayette County, Illir [NASA-CR-134253] RICHARD, R. C. Limnological studies and remote	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 etion for use of ERTS-A es data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ess with aerial imaging p0178 A74-29708 p0184 N74-29708 p0184 N74-26940 et plant diseases and d soil moisture levels p0174 N74-28828 et plant diseases and ed soil moisture levels p0174 N74-28865 ess through automatic p0189 N74-25843 g11 June 1973, ERTS nois (for CITARS task) p0169 N74-22050 sensing of the Upper	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [P8-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types SABHASRI, 8. Thailand national programme of Technology Satellite [E74-10631] SALOMONSON, V. V. New dimensions in satellite hydrospherical sources in the satellite of the satellite	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0198 N74-27790 or California p0210 N74-28853 ress with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the or the equatorial Atlantic p0199 A74-34506 orgaphically determined p0179 A74-30794 If the Earth Resources p0230 N74-28887 ology p0205 A74-33957
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for aerial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10508] PROCTOR, E. K., JR. Calibrated remote measuremen differential absorption backscatter ter PROST, G. L. Geologic and mineral and water rein western Colorado, using Skylab Ef	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 ati of N02 using the chnique p0179 A74-30685 sources investigations REP data	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resources data collection system [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources ansors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] RICE, D. R. Management of natural resource atographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin MSS data for Fayette County, Illir [NASA-CR-134253] RICHARD, R. C. Limnological studies and remote Truckee River sediment plum California-Nevada	p0209 N74-28823 egetation and land-use I imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 tion for use of ERTS-A es data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with serial imaging p0178 A74-29708 p0184 N74-26940 ct plant diseases and d soil moisture levels p0174 N74-28885 es through automatic p0189 N74-25843 g 11 June 1973 ERTS nois (for CITARS task) p0169 N74-22050	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10815] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution south sensors Arial detection of spill sources [PB-228105/3] RUIZ. A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photoresidential land use types S SABHASRI, S. Thailand national programme of Technology Satellite [E74-10831] SALOMONSON, V. V. New dimensions in satellite hydr SALVATO, P., JR. ASTEP user's guide and software [NASA-CR-134303] SAMULON, A. S.	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 res with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the or the equatorial Atlantic p0199 A74-34506 ographically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867 ology p0205 A74-33957 e documentation p0215 N74-26713
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10588] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRABHAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measuremed differential-absorption backscatter te- PROST, G. L. Geologic and mineral and water re- in western Colorado, using Skylab EI [E74-10613]	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 ati of N02 using the chnique p0179 A74-30685 sources investigations REP data	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources (PB-228105/3) RENNIE, J. C. Utilizing ERTS imagery to detection the deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detect nutrient deficiencies, soil types an [E74-10629] REY, P. A. Management of natural resource artographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin MSS data for Fayette County, Illir (NASA-CR-134253) RICHARD, R. C. Limnological studies and remote Truckee River sediment plum California-Neveda RICHARDSON, W.	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35906 tion for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 cct plant diseases and dd soil moisture levels p0174 N74-28828 dz plant diseases and dd soil moisture levels p0174 N74-28865 ces through automatic p0189 N74-25843 g 11 June 1973 ERTS nois (for CITARS task) p0169 N74-22580 sensing of the Upper e in Lake Tahoe, p0205 A74-30798	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [B8-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types SABHASRI, 8. Thailand national programme of Technology Satellite [E74-10631] SALOMONSON, V. V. New dimensions in satellite hydromatics SALOMONSON, V. J. RATEP user's guide and software [NASA-CR-134303] SAMULON, A. S. Separation of manmade and n	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 cres with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the r the equatorial Atlantic p0199 A74-34506 orgraphically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867 ology p0205 A74-33957 e documentation p0215 N74-26713 atural patterns in high
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70849] PRABHAKARA, C. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measureme ifferential-absorption backscatter ter PROST, G. L. Geologic and mineral and water re- in western Colorado, using Skylab Ef [E74-10613] Q QUADE, J. G. The Great Basin investigation	cations of ERTS data p0182 N74-22022 on ERTS data p0192 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tree p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 and of N02 using the chique p0179 A74-30685 sources investigations REP data p0197 N74-28844	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resources data collection system [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources ansors Arial detection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detec nutrient deficiencies, soil types an [E74-10585] RICE, D. R. Management of natural resource atographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin MSS data for Fayette County, Illir [NASA-CR-134253] RICHARD, R. C. Limnological studies and remote Truckee River sediment plum California-Nevada	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35906 tion for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 cct plant diseases and dd soil moisture levels p0174 N74-28828 dz plant diseases and dd soil moisture levels p0174 N74-28865 ces through automatic p0189 N74-25843 g 11 June 1973 ERTS nois (for CITARS task) p0169 N74-22580 sensing of the Upper e in Lake Tahoe, p0205 A74-30798	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10815] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [FB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types S SABMASRI, 8. Thailand national programme of Technology Satellite [E74-10831] SALOMONSON, V. V. New dimensions in satellite hydr SALVATO, P., JR. ASTEP user's guide and softward [NASA-CR-134303] SAMULON, A. S. Separation of manmade and na altitude imagery of agricultural are SANDOMIRSKII, A. B.	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 cres with aerial imaging p0178 A74-29708 p0184 N74-26898 or in the region of the r the equatorial Atlantic p0199 A74-34506 orgraphically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867 ology p0205 A74-33957 ology p0205 A74-33957 ology p0205 N74-26713 atural patterns in high es p0174 N74-28855
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan frc [E74-10588] POTAPYEV, 8. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWEL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface temper sensing in the 11-13 micron window [NASA-TM-X-70649] PRAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measureme differential-absorption backscatter ter in western Colorado, using Skylab EI [E74-10613] Q QUADE, J. G. The Great Basin investigation [E74-10499]	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 ati of N02 using the chnique p0179 A74-30685 sources investigations REP data	from spacecraft data [E74-10580] Inventories of Delaware's coastal vutilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-851] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources processed and collection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detection utrient deficiencies, soil types an [E74-10685] Utilizing ERTS imagery to detection utrient deficiencies, soil types an [E74-1068] REY, P. A. Management of natural resource cartographic inventory [E74-10518] RICE, D. P. What classification exercise, usin MSS data for Fayette County, Illin [NASA-CR-134253] RICHARD, R. C. Limnological studies and remote Truckee River sediment plum California-Neveda RICHARDSON, W. Improvements in estimating prop multispectral data [NASA-CR-134252]	p0209 N74-28823 egetation and land-use 1 imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35906 tion for use of ERTS-A so data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-26940 cct plant diseases and dd soil moisture levels p0174 N74-28828 dz plant diseases and dd soil moisture levels p0174 N74-28865 ces through automatic p0189 N74-25843 g 11 June 1973 ERTS nois (for CITARS task) p0169 N74-22580 sensing of the Upper e in Lake Tahoe, p0205 A74-30798	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [B8-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types SABHASRI, 8. Thailand national programme of Technology Satellite [E74-10631] SALOMONSON, V. V. New dimensions in satellite hydr SALVATO, P., JR. ASTEP user's guide and software [NASA-CR-134303] SAMULON, A. S. Separation of manmade and naltitude imagery of agricultural area SANDOMIRSKII, A. B. Photometry of the planet ea	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 ross with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the roducts p0227 N74-25898 on in the region of the roduction p0199 A74-34506 orgraphically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867 ology p0205 A74-33957 a documentation p0215 N74-26713 atural patterns in high as p0174 N74-28855 rth from Zond space
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10586] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70849] PRABHAKARA, C. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measureme ifferential-absorption backscatter ter PROST, G. L. Geologic and mineral and water re- in western Colorado, using Skylab Ef [E74-10613] Q QUADE, J. G. The Great Basin investigation	cations of ERTS data p0182 N74-22022 on ERTS data p0192 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 tree p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 and of N02 using the chique p0179 A74-30685 sources investigations REP data p0197 N74-28844	from spacecraft data [E74-10580] Inventories of Delaware's coastal v utilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resource [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources arial detection of spill sources [PB-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detect nutrient deficiencies, soil types an [E74-10582] REY, P. A. Management of natural resource artographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin MSS data for Fayette County, Illir [NASA-CR-134253] RICHARD, R. C. Limnological studies and remote Truckee River sediment plum California-Neveda RICHARDSON, W. Improvements in estimating propmultispectral data	p0209 N74-28823 egetation and land-use I imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A se data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-29708 p0184 N74-28928 et plant diseases and d soil moisture levels p0174 N74-28885 ets through automatic p0189 N74-25843 g11 June 1973, ERTS nois (for CITARS task) p0169 N74-22050 sensing of the Upper e in Lake Tahoe, p0205 A74-30798 ortions of objects from	MSS imagery [E74-10851] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis for iron-rich zones [E74-10815] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [FB-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convection intertropical convergence zone over Ocean RYERSON, J. M. Estimating population from photor residential land use types S SABMASRI, 8. Thailand national programme of Technology Satellite [E74-10831] SALOMONSON, V. V. New dimensions in satellite hydr SALVATO, P., JR. ASTEP user's guide and softward [NASA-CR-134303] SAMULON, A. S. Separation of manmade and na altitude imagery of agricultural are SANDOMIRSKII, A. B.	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 cres with aerial imaging p0178 A74-29708 p0184 N74-26898 or in the region of the r the equatorial Atlantic p0199 A74-34506 orgraphically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867 ology p0205 A74-33957 ology p0205 A74-33957 ology p0205 N74-26713 atural patterns in high es p0174 N74-28855
[E74-10521] POLCYN, F. C. Infrared, radar, and optical applic [E74-10497] Wetlands mapping of Michigan fro [E74-10588] POTAPYEV, S. V. Methodological plan for serial seisr in the open ocean [JPRS-62075] POULTON, C. A comparison of Skylab and ERT: crop and natural vegetation interpret [E74-10588] POWELL, N. L. Use of remote sensing in agricultu [NASA-CR-62098] POWER, J. J. A digital offset fluxgate magnetom geomagnetic observatories [AD-777885] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRABHAKARA, C. Estimation of sea surface tempel sensing in the 11-13 micron window [NASA-TM-X-70649] PRABHAKHOV, V. P. Determining the geometric characte by the signal scattered from it [AD-777436] PRINDLE, R. O. Mineral exploration potential of EF [E74-10608] PROCTOR, E. K., JR. Calibrated remote measuremed differential-absorption backscatter te- PROST, G. L. Geologic and mineral and water re- in western Colorado, using Skylab EI [E74-10613] Q QUADE, J. G. The Great Basin investigation [E74-10499] The Great Basin investigation	cations of ERTS data p0182 N74-22022 on ERTS data p0190 N74-27778 mic studies at sea and p0202 N74-26901 S data for agricultural ation p0174 N74-28829 are p0172 N74-26876 eter for use in remote p0223 N74-27896 rature from remote v region p0201 N74-25888 eristics of e sea surface p0203 N74-27837 RTS-1 data p0197 N74-28841 ant of N02 using the chnique p0179 A74-30685 sources investigations REP data p0197 N74-28844	from spacecraft data [E74-10580] Inventories of Delaware's coastal vutilizing digital processing of ERTS-1 [E74-10590] REEVES, R. G. Education and training in remote REICHIE, H. G. Application of infrared line mode atmospheric pollutants [AIAA PAPER 74-651] REID, I. A. Water Survey of Canada: Applica for retransmission of water resources data collection system [E74-10492] Retransmission of water resources data collection system [E74-10516] REINHEIMER, C. J. Detection of water pollution sources and collection of spill sources [P8-228105/3] RENNIE, J. C. Utilizing ERTS imagery to detecutivent deficiencies, soil types an [E74-10585] Utilizing ERTS imagery to detecutivent deficiencies, soil types an [E74-10586] REY, P. A. Management of natural resource artographic inventory [E74-10518] RICE, D. P. Wheat classification exercise, usin MSS data for Fayette County, Illir [NASA-CR-134253] RICHARD, R. C. Limnological studies and remote Truckee River sediment plum California-Nevada RICHARDSON, W. Improvements in estimating propinglispectral data [NASA-CR-134252] RIDGWAY, R. B.	p0209 N74-28823 egetation and land-use I imagery p0185 N74-28832 sensing p0225 A74-33070 els in the detection of p0180 A74-35908 ution for use of ERTS-A se data p0206 N74-22016 data using the ERTS-1 p0207 N74-25841 ces with aerial imaging p0178 A74-29708 p0184 N74-29708 p0184 N74-28928 et plant diseases and d soil moisture levels p0174 N74-28885 ets through automatic p0189 N74-25843 g11 June 1973, ERTS nois (for CITARS task) p0169 N74-22050 sensing of the Upper e in Lake Tahoe, p0205 A74-30798 ortions of objects from	MSS imagery [E74-10651] ROSSBACH, A. Study for a geoscientific aircraft ROWAN, L. C. Iron-absorption band analysis fo iron-rich zones [E74-10615] ROZELLE, K. Water demand studies in southe RUDDER, C. L. Detection of water pollution sour sensors Arial detection of spill sources [P8-228105/3] RUIZ, A. L. Catalog of operational satellite p [NOAA-TM-NESS-53] RUPRECHT, E. Radar observations of convectic intertropical convergence zone over Ocean RVERSON, J. M. Estimating population from photo residential land use types S SABHASRI, 8. Thailand national programme of Technology Satellite [E74-10631] SALOMONSON, V. V. New dimensions in satellite hydr SALVATO, P., J.R. ASTEP user's guide and software [NASA-CR-134303] SAMULON, A. S. Separation of manmade and n altitude imagery of agricultural are: SANDOMIRSKH, A. B. Photometry of the planet ea	p0204 N74-28884 measurement program p0227 N74-22070 or the discrimination of p0196 N74-27790 or California p0210 N74-28853 cress with aerial imaging p0178 A74-29708 p0184 N74-26940 roducts p0227 N74-25898 on in the region of the r the equatorial Atlantic p0199 A74-34506 orgraphically determined p0179 A74-30794 of the Earth Resources p0230 N74-28867 ology p0205 A74-33957 e documentation p0215 N74-26713 atural patterns in high ss p0174 N74-28855 rth from Zond space p0187 A74-36378

SARNO, J. E.		
	SEALS, R. K., JR.	SIMPSON, R. B.
Wheat classification exercise, using 11 June 1973, ERTS	Analysis of laser differential absorption remote sensing	Land use in northern Megalopolis
MSS data for Fayette County, Illinois (for CITARS task)	using diffuse reflection from the earth p0178 A74-29714	[E74-10583] pO184 N74-28826
[NASA-CR-134253] p0169 N74-22050	SEHMEL, G. A.	SINGH, R. S.
SATTINGER, I. J.	Evaluation of a high volume cascade particle impactor	A catalog system for remote-sensing data
Study of recreational land and open space using Skylab	system	p0211 A74-33072
imagery	[BNWL-SA-4677] p0181 N74-21901	SIRY, J. W.
[E74-10444] p0181 N74-21969	SEKIOKA, M.	Crystal motion measurement by means of satellite
Infrared, radar, and optical applications of ERTS data	Heat flux estimation in geothermal areas based on the	techniques
[E74-10497] p0182 N74-22022	heat balance of the ground surface p0193 A74-30710	[NASA-TM-X-70632] p0195 N74-22965
Study of recreational land and open space using Skylab	SELF, R. P.	
imagery	Sediment transport and erosion in the Fourchon area	Gravimetric geodesy and sea surface topography studies
[E74-10529] p0183 N74-25847	of Lafourche parish	by means of satellite-to-satellite tracking and satellite
	[NASA-CR-138776] p0208 N74-26911	altimetry
Wetlands mapping of Michigan from ERTS data	SENGER, L. W.	[NASA-TM-X-70670] p0202 N74-26918
[E74-10588] p0190 N74-27778	Remote sensing for monitoring a water transportation	SIZER, J. E.
Study of recreational land and open space using Skylab	project - The California Aqueduct p0177 A74-29021	Land use management in Minnesota
imagery	Estimating population from photographically determined	[E74-10547] p0184 N74-27768
[E74-10645] pO185 N74-28878	residential land use types p0179 A74-30794	SLATER, P. N.
SAUSSY, G. A.	SEREBRENY, S. M.	Evaluation of ERTS-1 image sensor spatial resolution in
Applications of Saturn Apollo automated data system	Study of time lapse data processing for dynamic	photographic form
capabilities to problems and environmental impacts of urban	hydrologic conditions	[E74-10484] p0221 N74-22008
transportation	[E74-10552] p0208 N74-26865	SMALLWOOD, M. D.
[NASA-CR-120216] p0182 N74-23480	SERGEYEV, G. A.	A study to develop improved spacecraft show survey
SAVASTANO, K. J.	Statistical methods of studying natural objects	methods using Skylab/EREP data: Demonstration of the
Application of remote sensing for fishery resource	[JPRS-62251] p0216 N74-27814	utility of the S190 and S192 data
assessment and monitoring	SEVASTIANOV, V. I.	[E74-10582] p0209 N74-28825
[E74-10481] p0200 N74-21986	Results of spectrophotometric measurements of natural	SMIRNOV, G. S.
Preliminary results of fisheries investigation associated	formations from the spacecraft 'Soyuz-9' and investigations	Infrared radiometer for geological mapping
with Skylab-3	of environment from space p0219 A74-30792	[AD-776888] p0222 N74-25913
[E74-10479] p0200 N74-22003	Cloud cover effect during earth surface feature	
	identification by visual and photographic observations from	SMITH, D. G.
Application of remote sensing for fishery resource	space p0187 A74-33908	Investigation of Skylab imagery for application to thematic
assessment and monitoring	Photographic experiments during space flights of several	mapping
[E74-10534] p0201 N74-25852	days duration p0188 A74-36386	[E74-10496] pO188 N74-22021
Application of remote sensing for fishery resource	SEVASTYANOV, V. I.	SMITH, G. L
assessment and monitoring	Effect of clouds on recognition of the earth's surface	Statistical interpretation of pollution data from
[E74-10598] p0202 N74-27784	during visual observations and photography from space	Satellites
SAVEKER, D. R.	pO191 N74-29058	[AIAA PAPER 74-852] p0180 A74-37844
Wildland fire management. Volume 2: Wildland fire	SEWELL J. I.	SMITH, H.
control 1985-1995	Utilizing ERTS imagery to detect plant diseases and	Suspended solids analysis using ERTS-A data
[NASA-CR-138400] p0170 N74-22970	nutrient deficiencies, soil types and soil moisture levels	p0179 A74-30797
SAVIGEAR, R. A. G.	[E74-10585] p0174 N74-28828	SMITH, M. R.
The interpretation and use of false-colour infrared and	Utilizing ERTS imagery to detect plant diseases and	Study of arcuate structural trends in Utah and Nevada
true colour photography of part of Argentina obtained by	nutrient deficiencies, soil types and soil moisture levels	using ERTS-1 imagery
Skylark earth resources rockets	[E74-10629] p0174 N74-28865	[E74-10526] pO195 N74-25845
[UR-RSP-4] p0215 N74-26931	SHAH, N. J.	SMITH, V. E.
Preliminary results from Skylark earth resources rocket	A technique for correcting ERTS data for solar and	Automatic classification of eutrophication of inland lakes
experiment in Argentina	atmospheric effects	from spacecraft data
[UR-RSP-5] p0228 N74-26932	[E74-10489] p0213 N74-22013	[E74-10580] p0209 N74-28823
	Automatic classification of eutrophication of inland lakes	SNOW, G. F.
SAWATZKY, D. L.	from spacecraft data	Use of ERTS-A, Skylab, and supporting aircraft to enhance
Geologic information from satellite images	[E74-10580] p0209 N74-28823	resource management
[E74-10507] p0195 N74-22954	SHAMBURGER, J. H.	[E74-10498] pO170 N74-22949
New uses of shadow enhancement	Application of remote sensors to army facility	SOBTI, A.
[E74-10509] p0214 N74-22956	management	Design data collection with Skylab/EREP microwave
Geologic and mineral and water resources investigations	[AD-775407] p0182 N74-22621	instrument S-193
in western Colorado, using Skylab EREP data	SHANMUGAM, K. S.	[E74-10649] pQ224 N74-28882
[E74-10613] p0197 N74-28844	Combined spectral and spatial processing of ERTS	Design data collection with Skylab/EREP microwave
SCHAPER, P. W.	imagery data p0211 A74-30791	instrument S-193
Measurement of the abundance of several natural	SHAPIRO, A.	[E74-10650] p0224 N74-28883
stratospheric trace constituents from high altitude aircraft	Terrain properties and topography from Skylab	SPENCER, D. J.
p0177 A74-29702 SCHEIDTMANN, E.	altimetry	ERTS image data compression technique evaluation
	[E74-10462] p0188 N74-21987	[E74-10627] p0216 N74-27794
Radar observations of convection in the region of the	Terrain properties and topography from Skylab	SPOELHOF, R. W.
intertropical convergence zone over the equatorial Atlantic	altimetry	Geologic and mineral and water resources investigations
	[E74-10597] p0190 N74-27783	in western Colorado, using Skylab EREP data
Ocean p0199 A74-34506		
SCHERZ, J. P.		[E74-10613] pO197 N74-28844
SCHERZ, J. P. A catalog system for remote-sensing data	Terrain properties and topography from Skylab	STEVENSON, W. H.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072	Terrain properties and topography from Skylab altimetry	STEVENSON, W. H. Application of remote sensing data to coastal fish stock
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P.	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 STEWART, K. M.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBSIREV. B. P. Development of gravimetry and the theory of the figure	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, M. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKKIN, P. F.	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development application to New York State water resources [E74-10605] p0209 N74-28838
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth SHOKIN, P. F. Development of gravimetry and the theory of the figure	STEVENSON, W. H. Application of remote sensing data to coastal fish stock p0199 A74-29022 STEWART. K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1387] p0223 N74-27799 SCHINDLER, R. A.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385	STEVENSON, W. H. Application of remote sensing data to coastal fish stock p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth SHORT, B.	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick EValuation of ERTS data for certain oceanographic uses [E74-10546] p0202 N74-28848
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave	STEVENSON, W. H. Application of remote sensing data to coastal fish stock pO199 A74-29022 STEWART, K. M. S190 interpretation application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick pO180 A74-30799 Evaluation of ERTS data for certain oceanographic uses pO202 N74-28884 STRUKOV, I. A.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth P0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786	STEVENSON, W. H. Application of remote sensing data to coastal fish stock p0189 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STROMG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] p0202 N74-26884 STRUKOV, I. A. Selection of boundary frequencies for an
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Davelopment of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave	STEVENSON, W. H. Application of remote sensing data to coastal fish stock pO199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick pO180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth SHORTIN, P. F. Development of gravimetry and the theory of the figure of the earth SHORTIN, P. F. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick Evaluation of ERTS data for certain oceanographic uses [E74-10546] p0202 N74-26864 STRUKOY, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] [CONTRIB-1387] [Flexible DCP interface [CONTRIB-1397] SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude sicresft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave	STEVENSON, W. H. Application of remote sensing data to coestel fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] p0202 N74-26864 STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 date collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in	Torrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STROMO, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] p0202 N74-26884 STRUKOV, I. A. Selection of boundary intermediate-frequency amplifler in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1387] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882	STEVENSON, W. H. Application of remote sensing data to coastel fish stock p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses p220 N74-2884 STRUKOV, I. A. Selection of boundary intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick EVALUATION FOR STEVEN STRONG POR STR
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1387] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHOEDER, M.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STROMG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] p0202 N74-26884 STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifler in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] p0181 N74-21999 STUMPF, H. G.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude sileraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] SCHROEDER, M. Study for a geoscientific aircraft measurement program	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883	STEVENSON, W. H. Application of remote sensing data to coastal fish stock p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHROEDER, M. Study for a geoscientific aircraft measurement program	Torrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT. B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27866 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10605] p0224 N74-28883 SHUMATE, M. S.	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STROMG, A. E. ERTS-1 views an oil slick Fealuation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary intermediate-frequency amplifier in a superhaterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick STRUKOV, I. A. SPICTOR STRUKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick STRUKOV, S.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1387] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-28702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHOCEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases	STEVENSON, W. H. Application of remote sensing data to coestel fish stock p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses p0202 N74-26884 STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range p0221. A74-37520 STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with skylab/EREP microwave instrument S-193 [E74-10683] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p01177 A74-28550	Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick FULL STRUKOY, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiomater in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] p0181 N74-21999 STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Paritan River System, New Jersey
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] P0173 N74-27797 Flexible DCP interface [CONTRIB-1387] P0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] P021 N74-22008 SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency	Torrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550	STEVENSON, W. H. Application of remote sensing data to coastal fish stock p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary intermediate-frequency amplifier radiometer in the millimeter and centimeter wavelength range p021. A74-37520 STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey p0207 N74-22972
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude sicraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10549] p0224 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10550] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe.	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick STRUKOY, I. A. Selection of ERTS data for certain oceanographic uses [E74-10546] p0202 N74-26864 STRUKOY, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] p0181 N74-21999 STUMPF, H. G. ERTS-1 views an oil slick P0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 SUITS, G. H.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] P0173 N74-27797 Flexible DCP interface [CONTRIB-1397] SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] SCHOCDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term distribution SCHUBERT, J. S.	Torrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550	Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STROMG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 SUITS, G. H. Optical modeling of agricultural fields and rough-textured
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1387] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-28702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 SCHUBERT, J. S. Preliminary report on sand-streaming in Agadez and	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10549] p0224 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10550] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe.	STEVENSON, W. H. Application of remote sensing data to coastal fish stock pO199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick pO180 A74-30799 Evaluation of ERTS data for certain occanographic uses pO202 N74-26864 STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range pO221. A74-37520 STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick pO180 A74-30799 SUBITZKY, S. Remote CR-138398] PO207 N74-22972 SUITS, G. M. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHOBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution SCHUBERT, J. S. Prelliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger	Torrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996	Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOY, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138298] SUITS, G. H. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] P0189 N74-22448
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] P0173 N74-27797 Flexible DCP interface [CONTRIB-1387] P0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution SCHUBERT, J. S. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-104421] p0181 N74-21967	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe.	STEVENSON, W. H. Application of remote sensing data to coastel fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses p0202 N74-28848 STRUKOV, I. A. Selection of boundary intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey (NASA-CR-138398) SUMAILUND, G. D.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution CHUBERT, J. S. Preliminary report on sand-streaming in Agadez and Tahoua Departments. Republic of Niger [E74-10442] p0181 N74-21967 SCHUBERT, J. S.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10684] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions	Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick FURLING I. A. Selection of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Paritan River System, New Jersey [NASA-CR-138398] P0207 N74-22972 SUITS, G. H. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] P0169 N74-22046 SWANLUND, G. D. Automatic photointerpretation for plant species and stress
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] P0173 N74-27797 Flexible DCP interface [CONTRIB-1387] P0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] P021 N74-22008 SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution SCHUBERT, J. S. Preliminary report on sand-streaming in Agadez and Tahoua Departments. Republic of Niger [E74-10442] p0181 N74-21967 SCHWARTZ, D. S. Partial performance degradation of a remote sensor in	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions [E74-10571] p0223 N74-28815	STEVENSON, W. H. Application of remote sensing data to coastal fish stock p0199 A74-29022 STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range p021. A74-37520 STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 STRYKER, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] SUITS, G. H. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] SWANLUND, G. D. Automatic photointerpretation for plant species and stress identification (ERTS-A.1)
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] Plexible DCP interface [CONTRIB-1387] P0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] P0221 N74-22008 SCHOCEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution CHUBERT, J. S. Prelliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SCHWARTZ, D. S. Partial performance degradation of a remote sensor in a space environment, and some probable causes	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe. Indiana [E74-10672] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions [E74-10571] p0223 N74-28815	Application of remote sensing data to coastel fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STROMG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 STUMPF, M. G. ERTS-1 views an oil slick p0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138398] p0207 N74-22972 SUITS, G. M. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] p0169 N74-22046 SWANLUND, G. D. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Flexible OCP interface [CONTRIB-1397] p0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] p0221 N74-22008 SCHOBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution p0210 N74-28859 SCHUBERT, J. S. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SCHWARTZ, D. S. Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592	Torrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions [E74-10571] p0223 N74-28815 SIMMONS, G. Geophysical subsurface probing with radio-frequency	Application of remote sensing data to coastal fish stock surveys STEWART, K. M. \$190 interpretation techniques development and application to New York State water resources [E74-10605] \$TRONG, A. E. ERTS-1 views an oil slick STRUKOY, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range \$TRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] \$TUMPF, H. G. ERTS-1 views an oil slick \$P0180 A74-30799 \$UBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey [NASA-CR-138298] \$UITS, G. H. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] p0189 N74-22048 \$WANLUND, G. D. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] P0173 N74-27797 Flexible DCP interface [CONTRIB-1387] P0223 N74-27799 SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution SCHUBERT, J. S. Prellminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SCHWARTZ, D. S. Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592 SCHWARTZ, M. D.	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Dosign data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions [E74-10571] SIMMONS, G. Geophysical subsurface probing with radio-frequency interferometry p0193 A74-36437	STEVENSON, W. H. Application of remote sensing data to coastel fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses p0202 N74-26884 STRUKOV, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range p0221. A74-37520 STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System, New Jersey (NASA-CR-138398] SUBITZK, G. H. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] SWANLUND, G. D. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] SWEET, D. C. Evaluate the potential of Skylab photographic and infrared
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] Plexible DCP interface [CONTRIB-1387] SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution SCHUBERT, J. S. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SCHWARTZ, D. S. Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592 SCHWARTZ, M. D. Colloquium on the Law of Outer Space, 15th, Vienna,	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions [E74-10571] p0223 N74-28815 SIMMONS, G. Geophysical subsurface probing with radio-frequency interferometry p0193 A74-36437 SIMMONS, J. W.	Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick STRUKOY, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Paritan River System. New Jersey [NASA-CR-138398] SUBITS, G. H. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] SWANLUND, G. D. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] SWEET, D. C. Evaluate the potential of Skylab photographic and infrared imagery for environmental quality, agricultural and forestry.
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] P0173 N74-27797 Flexible DCP interface [CONTRIB-1397] SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] P021 N74-22008 SCHOEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and tiss relationship to long term discharge frequency distribution SCHUBERT, J. S. Preliminary report on sand-streaming in Agadez and Tahoua Departments. Republic of Niger [E74-10442] P0181 N74-21967 SCHWARTZ, D. S. Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592 SCHWARTZ, M. D. Colloquium on the Law of Outer Space. 15th, Vienna, Austria, October 8-15, 1972, Proceedings	Torrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV, B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. The state collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-278827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions [E74-10571] p0223 N74-28815 SIMMONS, J. W. Application of remote sensing to hydrology	STEVENSON, W. H. Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] STRONG, A. E. ERTS-1 views an oil slick p0180 A74-30799 Evaluation of ERTS data for certain oceanographic uses [E74-10546] STRUKOV, I. A. Selection of boundary intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range p022. A74-37520 STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick p0180 A74-30799 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Raritan River System. New Jersey [NASA-CR-138398] SUBITZKY, S. Quical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] p0189 N74-22048 SWANLUND, G. D. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] SWEET, D. C. Evaluate the potential of Skylab photographic and infrared imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio
SCHERZ, J. P. A catalog system for remote-sensing data p0211 A74-33072 SCHIMMELPFENNING, H. ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] Plexible DCP interface [CONTRIB-1387] SCHINDLER, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aircraft p0177 A74-29702 SCHOTT, J. R. S190 interpretation techniques development and application to New York State water resources [E74-10605] SCHOWENGERDT, R. A. Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484] SCHROEDER, M. Study for a geoscientific aircraft measurement program p0227 N74-22070 SCHUBERT, G. Power law time dependence of river flood decay and its relationship to long term discharge frequency distribution SCHUBERT, J. S. Preliminary report on sand-streaming in Agadez and Tahoua Departments, Republic of Niger [E74-10442] SCHWARTZ, D. S. Partial performance degradation of a remote sensor in a space environment, and some probable causes p0219 A74-28592 SCHWARTZ, M. D. Colloquium on the Law of Outer Space, 15th, Vienna,	Terrain properties and topography from Skylab altimetry [E74-10619] p0191 N74-28847 SHIMBIREV. B. P. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHOKIN, P. F. Development of gravimetry and the theory of the figure of the earth p0188 A74-36385 SHORT, B. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 SHUMATE, M. S. Air pollution - Remote detection of several pollutant gases with a laser heterodyne radiometer p0177 A74-28550 SILVA, L. F. Spectroradiometric measurements of Lake Monroe, Indiana [E74-10472] p0206 N74-21996 A multilevel, multispectral data set analysis in the visible and infrared wavelength regions [E74-10571] p0223 N74-28815 SIMMONS, G. Geophysical subsurface probing with radio-frequency interferometry p0193 A74-36437 SIMMONS, J. W.	Application of remote sensing data to coastal fish stock surveys STEWART, K. M. S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 STRONG, A. E. ERTS-1 views an oil slick STRUKOY, I. A. Selection of boundary frequencies for an intermediate-frequency amplifier in a superheterodyne radiometer in the millimeter and centimeter wavelength range STRYKER, S. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 STUMPF, H. G. ERTS-1 views an oil slick P0181 N74-21999 SUBITZKY, S. Remote-sensing studies of hydrologic environments in the lower Paritan River System. New Jersey [NASA-CR-138398] SUBITS, G. H. Optical modeling of agricultural fields and rough-textured rock and mineral surfaces [NASA-CR-134243] SWANLUND, G. D. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] SWEET, D. C. Evaluate the potential of Skylab photographic and infrared imagery for environmental quality, agricultural and forestry.

Relevance of ERTS to the State of Ohio	Preliminary results from Skylark earth resources rocket	
[E74-10483] p0181 N74-22007 Relevance of ERTS to the State of Ohio	experiment in Argentina [UR-RSP-5] p0228 N74-26932	Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022
[E74-10553] p0229 N74-28809	Key to location of rocket imagery, aircraft traverses,	Optical modeling of agricultural fields and rough-textured
Relevance of ERTS-1 to the State of Ohio	ground truth and available maps for the Argentinian	rock and mineral surfaces
[E74-10841] p0230 N74-28875 BWIFT, C. T.	Skylarks (UR-RSR-1) p0215 N74-26955	[NASA-CR-134243] p0169 N74-22048 The NASA earth resources spectral information system:
Microwave radiometer measurements of the Cape Cod	Key to coding of imagery and ground truth of the	A data compilation, second supplement
Cenal p0199 A74-37395	Argentinian Skylarks (1181 and 1182)	[NASA-CR-134267] p0213 N74-22051
_	[UR-RSR-2] p0216 N74-26956	Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778
T	TRANTER, W. H. The development of ground truth for correlation with	Mapping exposed silicate rock types and exposed ferric
	remotely sensed data p0211 A74-34005	and ferrous compounds from a space platform [E74-10596] n0196 N74-27782
FAKAGI, T. Statistical properties of the background noise for the	TRIBLE, M. C.	VINOGRADOV, A. B.
atmospheric windows in the intermediate infrared region	Ground magnetometer survey in the Valley of Ten Thousand Smokes, Alaska	Cloud shadow calculation for space survey modeling of
p0219 A74-29856	(NASA-CR-138779) p0196 N74-26907	the earth surface p0187 A74-33905 The calculation of cloud shadows in modeling of the
TARAKANOVA, V. P. The accuracy of satellite temperature sounding of the	TRIZNA, D. B.	earth's surface from space survey
atmosphere	Tests of remote skywave measurement of ocean surface conditions p0199 A74-35125	[NASA-TT-F-15685] p0189 N74-25890
[NASA-TT-F-15690] p0222 N74-25891 FHAMAN, K.	TSANG, L.	Calculating cloud shadows when simulating a space survey of the earth's surface p0191 N74-29057
Water demand studies in central California	Geophysical subsurface probing with radio-frequency	VINOGRADOV, B. V.
p0210 N74-28852	interferometry p0193 A74-38437	Remote sensing of biosphere from space
FHAMAN, R. R. Water demand studies in central California	Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results	p0167 A74-29004 Cloud shadow calculation for space survey modeling of
p0210 N74-28852	[NASA-CR-134333] p0224 N74-28887	the earth surface p0187 A74-33905
THIGPEN, J. B.	TSUTSUMI, S.	Cloud cover effect during earth surface feature
Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data	Statistical properties of the background noise for the atmospheric windows in the intermediate infrared region	identification by visual and photographic observations from space p0187 A74-33906
[E74-10613] p0197 N74-28844	pO219 A74-29856	The calculation of cloud shadows in modeling of the
THOMAS, G. L	TURNER, R. E.	earth's surface from space survey
Planning applications in east central Florida [E74-10448] p0181 N74-21973	Determination of the earth's aerosol albedo using Skylab	[NASA-TT-F-15685] p0189 N74-25890 Calculating cloud shadows when simulating a space
[E74-10448] p0181 N74-21973 Planning applications in east central Florida	deta [E74-10478] p0213 N74-22002	survey of the earth's surface p0191 N74-29057
[E74-10623] p0230 N74-28862	(2. 4 10410) p0213 H14-22002	Effect of clouds on recognition of the earth's surface
FHOMAS, R. W. Water supply studies p0210 N74-28851	• •	during visual observations and photography from space p0191 N74-29058
THOMS, R. L	U	VIZY, K. N.
Remote sensing as an aid to route evaluation for relocated		Detecting and monitoring oil slicks with aerial photos p0180 A74-33071
Louisiana Highway 1 [NASA-CR-138770] p0183 N74-26910	ULABY, F. T.	VOGELY, W.
Remote sensing as an aid to route evaluation for relocated	Radar measurement of soil moisture content p0167 A74-29050	An analysis of the benefits and costs of an improved
Louisiana Highway 1	Optical data processing analysis of stream patterns	crop acreage forecasting system utilizing earth resources
[NASA-CR-138748] p0184 N74-27805 THOMBON, F.	exhibited on ERTS-1 imagery	satellite or aircraft information [PB-227361/3] p0169 N74-22770
Post-analysis report on Chesapeake Bay data	[E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains	VOGEN, W.
processing	(E74-10457) p0212 N74-21982	A superconducting airbourne mineral detection system
[NASA-CR-137461] p0215 N74-26899	Ground pattern analysis in the Great Plains	p0193 A74-35298 VONSTEEN, D. H.
Thermal contouring of forestry data: Wallops Island {NASA-CR-137459} p0172 N74-26904	[E74-10595] p0190 N74-27781	Crop identification and acreage measurement utilizing
THOMSON, F. J.	Design data collection with Skylab/EREP microwave instrument S-193	ERTS imagery [E74-10500] p0169 N74-22023
Infrared, radar, and optical applications of ERTS data		
[[74 +0407] _0101 N74 22022	1E/4-100U31 00223 N/4-2//80	Cron identification and acreans measurement utilizing
[E74-10497] p0182 N74-22022 Study of atmospheric effects in Skylab data	[E74-10603] p0223 N74-27788 Design data collection with skylab/EREP microwave	Crop identification and acreage measurement utilizing ERTS imagery
Study of atmospheric effects in Skylab data [E74-10505] p0213 N74-22025	Design data collection with skylab/EREP microwave instrument S-193	
Study of atmospheric effects in Skylab data [E74-10505] p0213 N74-22025 Recent advancements in information extraction	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827	ERTS imagery
Study of atmospheric effects in Skylab data [E74-10505] p0213 N74-22025 Recent advancements in information extraction methodology and hardware for Earth Resources Survey	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument 5-193	ERTS imagery [E74-10587] p0174 N74-28830
Study of atmospheric effects in Skylab data [E74-10505] p0213 N74-22025 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10849] p0224 N74-28882	ERTS imagery
Study of atmospheric effects in Skylab 'data [274-10505] p0213 N74-22025 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [274-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave	ERTS imagery [E74-10587] p0174 N74-28830
Study of atmospheric effects in Skylab 'data [E74-10505] p0213 N74-22025 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883	ERTS imagery [E74-10587] p0174 N74-28830 W WADDELL 8. H. The use of high altitude aerial photography to inventory
Study of atmospheric effects in Skylab 'data [E74-10505] not	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. S.	ERTS imagery [E74-10587] W WADDELL 8. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883	ERTS imagery [E74-10587] p0174 N74-28830 W WADDELL 8. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032
Study of atmospheric effects in Skylab 'data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] Wetlands mapping of Michigan from ERTS data [E74-10588] TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY, 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27886	ERTS imagery [E74-10587] W WADDELL 8. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2778 TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULBY, 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786	ERTS imagery [E74-10587] p0174 N74-28830 W WADDELL 8. H. The use of high altitude aerial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL 8. L Skylab data as en aid to resource management in northern California p0168 N74-22019
Study of atmospheric effects in Skylab 'data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] Wetlands mapping of Michigan from ERTS data [E74-10588] FINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] Quantitative determination of stratospheric aerosol characteristics [E74-10550] Quantitative determination of stratospheric aerosol characteristics [E74-10550] PO222 N74-25886	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL B. L. Skylab data as en aid to resource management in northern California p0168 N74-22019 WALLACE, A. G.
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2778 TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL S. L. Skylab data as an aid to resource management in northern Californis p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2778 TINGEY. D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY, 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL B. L. Skylab data as en aid to resource management in northern California p0168 N74-22019 WALLACE, A. G.
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [C74-10515] Wetlands mapping of Michigan from ERTS data [C74-10588] ITINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] Quantitative determination of stratospheric aerosol characteristics [C74-10607] Quantitative determination of stratospheric aerosol characteristics [C74-10607] Quantitative determination of stratospheric aerosol characteristics [C74-10607] [C74-10807] QUANTITIONEY, L. R.	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL S. L. Skylab data as an aid to resource management in northern Californis p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0212 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L R. Water demand studies in central California p0210 N74-28852	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY, 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL B. L Skylab data as an aid to resource management in northern California p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L Investigation of atmospheric effects in image transfer p0217 N74-28858
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] Wetlands mapping of Michigan from ERTS data [E74-10588] TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] Quantitative determination of stratospheric aerosol characteristics [E74-10550] Quantitative determination of stratospheric aerosol characteristics [E74-10550] Quantitative determination of stratospheric aerosol characteristics [E74-10607] TINDEY, L. R. Water demand studies in central California p0210 N74-28852	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL S. L. Skylab data as an aid to resource management in northern Californis p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer
Study of atmospheric effects in Skylab 'data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISBALE, E. W. Application of remote sensing in the study of vegetation	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY, 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL B. L. Skylab data as en aid to resource management in northern California p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228106/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] Wetlands mapping of Michigan from ERTS data [E74-10588] TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] Quantitative determination of stratospheric aerosol characteristics [E74-10550] Quantitative determination of stratospheric aerosol characteristics [E74-10550] Quantitative determination of stratospheric aerosol characteristics [E74-10607] TINDEY, L. R. Water demand studies in central California p0210 N74-28852	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY, 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. S. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy	ERTS imagery [E74-10587] W WADDELL 8. H. The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL 8. L. Skylab data as an aid to resource management in northern California p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A.
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28846 TITLE, A. M.	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. S. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10649] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL B. L. Skylab data as an aid to resource management in northern California p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] p0174 N74-28848 TITLE, A. M.	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. S. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883	ERTS imagery [E74-10587] W WADDELL 8. H. The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL 8. L. Skylab data as an aid to resource management in northern California p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A.
Study of atmospheric effects in Skylab 'data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10507] p0224 N74-28860 [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] p0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry p0177 A74-29704	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY, 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. S. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL S. L. Skylab data as an aid to resource management in northern Californis p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] p0181 N74-21999 WARK, D.
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] p0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter rediometry p0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 URMAEV. M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] WALL B. L. Skylab data as an aid to resource management in northern Californis P0168 N74-22019 WALL CE, A. G. Arial detection of spill sources [PB-228105/3] P0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wettands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10618] P0174 N74-28848 TITLE, A. M. Ultra narrow band infrared filter rediometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of stmospheric pollutants	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10603] p0223 N74-27886 [E74-10603] p0223 N74-27786 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] pD169 N74-22032 WALL B. L. Skylab data as an aid to resource management in northern California pD168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] pD184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer pO217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing pO220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] pD181 N74-21999 WARK, D. A cloud physics investigation utilizing Skylab data pO221 N74-21966
Study of atmospheric effects in Skylab idata [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-1050] P0222 N74-25868 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-851] P0180 A74-35908	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 URMAEV. M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] WALL B. L. Skylab data as an aid to resource management in northern Californis P0168 N74-22019 WALL CE, A. G. Arial detection of spill sources [PB-228105/3] P0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wettands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10618] P0174 N74-28848 TITLE, A. M. Ultra narrow band infrared filter rediometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of stmospheric pollutants	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 Usign data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI. C. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061 VANWORMER, J. D.	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Skylab date as an aid to resource management in northern California PO168 N74-22039 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10441] PO221 N74-21999 WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] PO223 N74-28812 WASHBURN, G.
Study of atmospheric effects in Skylab data [E74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10618] p0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry p0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-651] p0180 A74-35908 TOMES, 8. J.	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 URMAEV. M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active	ERTS imagery [E74-10587] W WADDELL, B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL, B. L. Skylab data as an aid to resource management in northern California p0188 N74-22019 WALLACE, A. G. Arial detection of spill sources [P8-228105/3] p0184 N74-26940 WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] p0181 N74-21999 WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] p0221 N74-21986 A cloud physics investigation utilizing Skylab data [E74-10587] WABBURN, B. Water demand studies in southern California
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P024 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-851] P0180 A74-35908 TOMES, B. J. Multidisciplinary study of Wyoming test sites [E74-10824]	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 Usign data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI. C. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061 VANWORMER, J. D.	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Skylab date as an aid to resource management in northern California PO168 N74-22039 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10441] PO221 N74-21999 WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] PO223 N74-28812 WASHBURN, G.
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-27778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-1050] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10618] p0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry p0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-851] p0180 A74-35908 TOMES, S. J. Muttidisciplinery study of Wyoming test sites [E74-10624] p0230 N74-28863	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10660] p0224 N74-28883 [E74-10650] p0224 N74-28883 UABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0224 N74-28883 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10564] p0223 N74-28827 Design data collection with skylab/EREP microwave instrument S-193 [E74-10564] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28879 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CRIPI-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818	ERTS imagery [E74-10587] W WADDELL 8. M. The use of high altitude aerial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] P0169 N74-22032 WALL 8. L. Skylab data as an aid to resource management in northern Californis WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WARAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10467] A cloud physics investigation utilizing Skylab data [E74-10567] A cloud physics investigation utilizing Skylab data [E74-10567] WASHBURN, G. Water demand studies in southern California p0210 N74-28853
Study of atmospheric effects in Skylab 'data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P024 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-851] P0180 A74-35908 TOMES, B. J. Multidisciplinary study of Wyoming test sites [E74-10824]	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0223 N74-2786 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10684] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 Usign data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI. C. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 Results of spectrophotometric measurements of natural	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] P0169 N74-22032 WALL B. L. Skylab data as an aid to resource management in northern California P0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing P0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] P0221 N74-21986 A cloud physics investigation utilizing Skylab data [E74-10441] P0223 N74-28812 WASHBURN, G. Water demand studies in southern California P0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480]
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28860 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28860 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] p0174 N74-28848 TITLE, A. M. Quitra narrow band infrared filter radiometry p0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-851] p0180 A74-35908 TOMES, S. J. Multidisciplinary study of Wyoming test sites [C74-10624] p0230 N74-28883 Some illustrations of the advantages of improved resolution in geologic studies [C74-10628] p0198 N74-28864 TONELLI, A. M.	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10660] p0224 N74-28883 [E74-10650] p0224 N74-28883 UABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0224 N74-28883 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10564] p0223 N74-28827 Design data collection with skylab/EREP microwave instrument S-193 [E74-10564] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28879 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CRIPI-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] P0169 N74-22032 WALL B. L. Skylab data as en aid to resource management in northern California P0188 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228106/3] WARAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] A cloud physics investigation utilizing Skylab data [E74-10567] WASHBURN, G. Water demand studies in southern California p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] Remote sensing geophysics from Skylab
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wettands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28848 TITLE, A. M. Ultra narrow band infrared filter rediometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-651] P0180 A74-35906 TOMES, S. J. Multidisciplinary study of Wyoming test sites [E74-10628] P0198 N74-28883 Some illustrations of the advantages of improved resolution in geologic studies [E74-10628] P0198 N74-28884 TONELLI, A. M. Volcanology, geology, and vegetation of Sicily and Italy Volcanology.	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10564] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 Usesign data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV. M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CR(P)-352] VANWORMER, J. D. Evaluation of fessibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 VASILEV. O. 8. Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792	ERTS imagery [E74-10587] P0174 N74-28830 W WADDELL 8. M. The use of high altitude aerial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 WALL 8. L Skylab data as an aid to resource management in northern California p0168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 WALRAVEN, R. L Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] p0181 N74-21999 WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] p0221 N74-21968 A cloud physics investigation utilizing Skylab data [E74-10567] p0223 N74-2812 WASHBURN, G. Water demand studies in southern California p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] p0194 N74-22004 Remote sensing geophysics from Skylab [E74-10481] p0194 N74-22005
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-1050] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TINNEY, L. R. Water demand studies in central California P0210 N74-28854 TILLE, A. M. Ultra narrow band infrared filter radiometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-651] P0180 A74-35908 TOMELS, S. J. Multidisciplinary study of Wyoming test sites [E74-10628] P0198 N74-28843 TOMELLI, A. M. Volcanology, geology, and vegetation of Sicily and Italy [E74-10628] P0197 N74-2779	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10603] p0223 N74-27786 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-278827 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-2883 URMAEV. M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CRIP-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 VASILEV. O. B. Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 VEGAS, P. L. Extracting land use information from the earth resources	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] P0169 N74-22032 WALL B. L. Skylab data as en aid to resource management in northern California P0188 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228106/3] WARAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] A cloud physics investigation utilizing Skylab data [E74-10567] WASHBURN, G. Water demand studies in southern California p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] Remote sensing geophysics from Skylab
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of stmospheric pollutants [AIAA PAPER 74-651] P0180 A74-35906 TOMES, B. J. Multidisciplinary study of Wyoming test sites [E74-10828] P0198 N74-28883 Some illustrations of the advantages of improved resolution in geologic studies [E74-10828] P0198 N74-28884 TOMELLI, A. M. Volcanology, geology, and vegetation of Sicily and Italy [E74-10628] P0197 N74-27793 TOTH, R. A. Measurement of the abundance of several natural	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10603] p0223 N74-27786 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10504] p0223 N74-27882 Design data collection with skylab/EREP microwave instrument S-193 [E74-10564] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28873 [E74-10650] p024 N74-28873 [E74-10650] p024 N74-28873 [E74-10650] p024 N74-28873 [E74-10650] p024 N74-28883 [E74-10574] p0187 A74-36379 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CRIP-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 VABILEV. O. B. Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 VEQAS, P. L. Extracting land use information from the earth resources technology satellite data by conventional interpretation methods	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] PD169 N74-22032 WALL B. L. Skylab data as en aid to resource management in northern Californis PD168 N74-22019 WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data p0221 N74-21986 A cloud physics investigation utilizing Skylab data p0221 N74-28812 WASHBURN, G. Water demand studies in southern California p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] Remote sensing geophysics from Skylab [E74-10481] P0194 N74-22006 Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10482]
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] p0174 N74-28848 TITLE, A. M. Quantitative determination of stratospheric pollutants [AIAA PAPER 74-851] p0180 A74-35906 TOMES, 8. J. Multidisciplinary study of Wyoming test sites [E74-10624] p0198 N74-28884 TOMELLI, A. M. Volcanology, geology, and vegetation of Scilly and Italy [E74-10628] p0198 N74-28864 TOMELLI, A. M. Volcanology, geology, and vegetation of several natural stratospheric trace constituents from high altitude aircraft	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0223 N74-2786 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10684] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 Usign data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI. C. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 VASILEV, O. 8. Results of spectrophotometric measurements of natural formations from the espacecraft "Soyuz-9" and investigations of environment from space p0219 A74-30792 VEQAS, P. L Extracting land use information from the earth resources technology satellite data by conventional interpretation methods [NASA-TN-D-7730]	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Stylab data as an aid to resource management in northern California WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Sateflite [E74-1045] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] p0221 N74-21986 A cloud physics investigation utilizing Skylab data [E74-10567] WASHBURN, G. Water demand studies in southern California p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] Remote sensing geophysics from Skylab [E74-10501]
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21983 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-851] P0180 A74-35906 TOMES, B. J. Multidisciplinary study of Wyoming test sites [E74-10828] P0198 N74-28883 Some illustrations of the advantages of improved resolution in geologic studies [E74-10828] P0198 N74-28884 TONELI, A. M. Volcanology, geology, and vegetation of Sicily and Italy [E74-10828] P0197 N74-27793 TOTH, R. A. Measurement of the abundance of several natural stratospheric trace constituents from high altitude sircarty p0177 A74-29704	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 ULABY. 8. Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-27786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0224 N74-28882 URMAEV. M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CR(P)-352] VANWORMER, J. D. Evaluation of fessibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 VEGAS, P. L Extracting land use information from the earth resources technology satellite data by conventional interpretation methods [NASA-TN-D-7730] VERBITSKII, V. A.	ERTS imagery [E74-10587] W WADDELL 8. M. The use of high altitude aerial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] P0169 N74-22032 WALL 8. L. Skylab data as an aid to resource management in northern Californis WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WARAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] A cloud physics investigation utilizing Skylab data [E74-10567] WASHBURN, G. Water demand studies in southern Californis p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10482] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10501] Remote sensing geophysics from Skylab [E74-10501] Remote sensing geophysics from Skylab [E74-10501]
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10618] p0174 N74-28848 TITLE, A. M. Application of infrared filter radiometry p0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-651] p0180 A74-35906 TOMES, S. J. Multidisciplinary study of Wyoming test sites [E74-10624] p0198 N74-28884 TOMELLI, A. M. Volcanology, geology, and vegetation of Sicily and Italy [E74-10628] p0197 N74-27793 TOME, A. M. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aicraft tratospheric trace constituents from high altitude aicraft tometer policy and use of false-colour infrared and	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0223 N74-2786 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10684] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28882 Usign data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 URMAEV, M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI. C. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 VASILEV, O. 8. Results of spectrophotometric measurements of natural formations from the espacecraft "Soyuz-9" and investigations of environment from space p0219 A74-30792 VEQAS, P. L Extracting land use information from the earth resources technology satellite data by conventional interpretation methods [NASA-TN-D-7730]	ERTS imagery [E74-10587] W WADDELL 8. M. The use of high altitude aerial photography to inventory wildlife habitat in Kensas: An initial evaluation [TR-2230-14-1] P0169 N74-22032 WALL 8. L. Skylab data as an aid to resource management in northern California WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] A cloud physics investigation utilizing Skylab data [E74-10567] WASHBURN, G. Water demand studies in southern California p0221 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10501] Remote sensing geophysics from Skylab [E74-10501]
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] P0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] P0190 N74-2778 TINGEY, D. L Quantitative determination of stratospheric aerosol characteristics [C74-10438] P0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10438] P0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] P0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] P0224 N74-28840 TINNEY, L. R. Water demand studies in central California P0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10818] P0174 N74-28846 TITLE, A. M. Ultra narrow band infrared filter radiometry P0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of stmospheric pollutants [AIAA PAPER 74-651] P0180 A74-35906 TOMES, B. J. Multidisciplinary study of Wyoming test sites [E74-10828] P0198 N74-28883 Some illustrations of the advantages of improved resolution in geologic studies [E74-10828] P0198 N74-28884 TOMELLI, A. M. Volcanology, geology, and vegetation of Sicily and Italy [E74-10828] P0197 N74-27793 TOMNSHEND, J. R. G. The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by true colour photography of part of Argentina obtained by	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10660] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0223 N74-27888 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-278827 Design data collection with skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-28827 Design data collection with skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CRIP)-352] p0213 N74-22061 VALZECCHI, C. Design study for the ERAF data processing facility faults in Alaska [E74-10574] p0197 N74-28818 VASILEV. O. B. Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 VEGAS, P. L. Extracting land use information from the earth resources technology satellite data by conventional interpretation methods [NASA-TN-D-7730] p0217 N74-2898 VERBITSKII, V. A. Infrared radiometer for geological mapping [AD-776888] p0222 N74-25913	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] PD169 N74-22032 WALL B. L. Skylab data as an aid to resource management in northern California WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WALRAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab date p0221 N74-21966 A cloud physics investigation utilizing Skylab date p0221 N74-28812 WASHBURN, G. Water demand studies in southern California p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] Remote sensing geophysics from Skylab p194 N74-22004 Remote sensing geophysics from Skylab p194 N74-22006 Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10501] Remote sensing geophysics from Skylab [E74-10521] WEBER, F. P. Inventory of forest and rangeland resources. including
Study of atmospheric effects in Skylab data [C74-10505] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 TINGEY, D. L. Quantitative determination of stratospheric aerosol characteristics [E74-10438] p0212 N74-21963 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10550] p0222 N74-25866 Quantitative determination of stratospheric aerosol characteristics [E74-10607] p0224 N74-28840 TINNEY, L. R. Water demand studies in central California p0210 N74-28852 TISDALE, E. W. Application of remote sensing in the study of vegetation and soils in Idaho [E74-10618] p0174 N74-28848 TITLE, A. M. Application of infrared filter radiometry p0177 A74-29704 TIWARI, S. N. Application of infrared line models in the detection of atmospheric pollutants [AIAA PAPER 74-651] p0180 A74-35906 TOMES, S. J. Multidisciplinary study of Wyoming test sites [E74-10624] p0198 N74-28884 TOMELLI, A. M. Volcanology, geology, and vegetation of Sicily and Italy [E74-10628] p0197 N74-27793 TOME, A. M. Measurement of the abundance of several natural stratospheric trace constituents from high altitude aicraft tratospheric trace constituents from high altitude aicraft tometer policy and use of false-colour infrared and	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10650] p0224 N74-28883 [E74-10603] p0223 N74-2786 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10603] p0223 N74-2786 Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10560] p0224 N74-28882 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10560] p0224 N74-28883 URMAEV, M. 8. Mathematical analysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VALZECCHI, C. Design study for the ERAF data processing facility [ESRO-CRIP-352] vanalysis of the results of measurements in the orbital method of satellite geodesy p0187 A74-36379 VANWORMER, J. D. Evaluation of feasibility of mapping seismically active faults in Alaska [E74-10574] p0197 N74-28818 VABULEV, O. 8. Results of spectrophotometric measurements of natural formations from the spacecraft 'Soyuz-9' and investigations of environment from space p0219 A74-30792 VEGAS, P. L Extracting land use information from the earth resources technology satellite data by conventional interpretation methods [NASA-TN-D-7730] p0217 N74-28896 VERBITSKII, V. A. Infrared radiometer for geological mapping	ERTS imagery [E74-10587] W WADDELL B. H. The use of high altitude serial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Stylab data as an aid to resource management in northern Californis WALLACE, A. G. Arial detection of spill sources [PB-228105/3] WARAVEN, R. L. Investigation of atmospheric effects in image transfer p0217 N74-28858 WANG, C. P. Application of lasers in atmospheric probing p0220 A74-33307 WARD, E. A. Investigation of environmental indices from the Earth Resources Technology Satellite [E74-10475] WARK, D. A cloud physics investigation utilizing Skylab data [E74-10441] A cloud physics investigation utilizing Skylab data [E74-10441] A cloud physics investigation utilizing Skylab data [E74-10567] WASHBURN, G. Water demand studies in southern Californis p0210 N74-28853 WATSON, K. Remote sensing geophysics from Skylab [E74-10480] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-10481] Remote sensing geophysics from Skylab [E74-105501] Remote sensing geophysics from Skylab [E74-10551] P0198 N74-26860

Inventory of forest and rangeland and detection of forest	WRAY, J. R. Urban and regional land use analysis: CARETS and
stress [E74-10558] p0171 N74-25868	Census Cities experiment package
WEEDEN, H. A. The Penn State ORSER system for processing and	[E74-10581] p0184 N74-28824 WRIGLEY, R. C.
analyzing ERTS and other MSS data	Limnological studies and remote sensing of the Upper Truckee River sediment plume in Lake Tahos,
[E74-10573] p0218 N74-28817 WEEKS, W. F.	California-Nevada p0205 A74-30796
Investigations performed on the Arctic ice dynamics joint	Remote sensing and lake eutrophication p0205 A74-37045
experiment, March 1971 [AD-775381] p0201 N74-23020	WUKELIC, G. E. Relevance of ERTS-1 to the State of Ohio
WELBY, C. W.	[E74-10641] p0230 N74-28875
Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in	••
North Cerolina [E74-10463] p0226 N74-21988	Y
Utilization of ERTS-A data in geological evaluation,	YANUTSH, D. A.
regional planning, forest management, and water management in North Carolina	Statistical methods of studying natural objects
[E74-10537] p0214 N74-25855	[JPRS-62251] p0216 N74-27814 YARGER, H. L.
Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water	Skylab study of water quality
management in North Carolina	[E74-10466] p0205 N74-21991 YASUI, R. K.
[E74-10519] p0215 N74-26858 Utilization of EREP data in geological evaluation, regional	Utilization of space technology for terrestrial solar power applications p0226 A74-36226
planning, forest management, and water management in North Carolina	YORINKS, L
[E74-10611] p0228 N74-27787	Suspended solids analysis using ERTS-A data p0179 A74-30797
WELCH, R. I. A comparison of Skylab and ERTS data for agricultural	YOUNG, G. R. Statistical interpretation of pollution data from
crop and natural vegetation interpretation	satellites
[E74-10586] p0174 N74-28829 WETHE, C.	[AIAA PAPER 74-852] p0180 A74-37844 YUHARA, K.
Monitoring coastal water properties and current	Heat flux estimation in geothermal areas based on the
circulation with spacecraft p0179 A74-29721 Correlation of coastal water turbidity and circulation with	heat balance of the ground surface p0193 A74-30710
ERTS-1 and Skylab imagery	2
[E74-10589] p0209 N74-28831 WETHE, C. A.	•
Monitoring physical and chemical parameters of Delaware Bay waters with an ERTS-1 data collection platform	ZAECK, W.
[E74-10586] pO202 N74-27777	Radar observations of convection in the region of the intertropical convergence zone over the equatorial Atlantic
WEXLER, R. A multi-sensor analysis of Nimbus 5 data on 22 January	Ocean p0199 A74-34506 ZHURKIN, I. G.
1973	Establishing an automated system for process control
[NASA-TM-X-70833] p0221 N74-22115 WEZER, C. T.	of serial photogeodesic and cartographic production p0187 A74-31445
Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778	Analytic rectification for the compilation of topographic
WEZERNAK, C. T.	maps and photomaps in a given projection p0187 A74-36382
Infrared, radar, and optical applications of ERTS data [E74-10497] p0182 N74-22022	ZIMAN, IA. L. Application of space-oriented equipment in earth
WHITEHURST, C. A. Remote sensing as an aid to route evaluation for relocated	resources studies and in environmental control - An aircraft
Louisiana Highway 1	experiment p0220 A74-33903 ZIMAN, Y. L.
[NASA-CR-138770] p0183 N74-26910 Sediment transport and erosion in the Fourchon area	Application of space techniques to natural resources study and environmental monitoring: An aircraft experiment
of Lafourcha parish	[NASA-TT-F-15683] p0228 N74-27870
[NASA-CR-138776] p0208 N74-26911 Remote sensing as an aid for marsh management:	Use of base techniques for environmental resource studies. An aircraft experiment p0224 N74-29055
Lafouche parish, Louisiana [NASA-CR-138775] p0208 N74-26912	ZITTA, V. L
WIEGAND, C. L.	Application of remote sensing to state and regional problems
Reflectance of vegetation, soil, and water [E74-10539] p0171 N74-25857	[NASA-CR-138394] p0182 N74-22973 ZONOV, Y. Y. V.
frrigation scheduling, freeze warning and soil salinity detecting	Artificial earth satellites investigate the environment
[E74-10541] pO171 N74-25859	[NASA-TT-F-15409] p0184 N74-27391 ZUEV, V. E.
Irrigation scheduling, freeze warning and soil salinity detecting	Determination of serosol parameters of the atmosphere by laser sounding from space p0219 A74-33306
[E74-10569] p0174 N74-28813	by isser sourcing from space pozito ATT-00000
Reflectance of vegetation, soil, and water [E74-10647] p0175 N74-28880	
[E74-10647] p0175 N74-28880 WIESNET, D. R.	
[274-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR.	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of localed [E74-10467] p0194 N74-21992	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a pessive seismic environment	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILJAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a passive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D.	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a passive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a pessive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032 WOLF, B.	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a pessive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032 WOLFE, R. Applied solid state science: Advances in materials and device research. Volume 4 p0220 A74-34789	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a passive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032 WOLFE, R. Applied solid state science: Advances in materials and device research. Volume 4 p0220 A74-34769	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a pessive saismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032 WOLFE, R. Applied solid state science: Advances in materials and device research. Volume 4 p0220 A74-34769 WOMACK, J. D. Remote sensing in sampling site location in lakes end streams	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILJAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a pessive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WULF, D. Aerial analytical triangulation [PB-227276/3] p0189 N74-23032 WOLF, R. Applied solid state science: Advances in materials and device research. Volume 4 p0220 A74-34769 WOMACK, J. D. Remote sensing in sampling site location in lakes and	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of localend [E74-10467] p0194 N74-21992 WINE, D. M. Instrumentation techniques for advanced fine-pointing mechanisms in a passive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [PB-227276/3] p0189 N74-23032 WOLFE, R. Applied solid state science: Advances in materials and device research. Volume 4 p0220 A74-34769 WOMACK, J. D. Remote sensing in sampling site location in lakes end streams [PB-227846/3] p0208 N74-26941 WOOD, B. Water demand studies in central California	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a pessive saismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032 WOLFE, R. Applied solid state science: Advances in materials and device research. Volume 4 p0220 A74-34769 WOMACK, J. D. Remote sensing in sampling site location in lakes end streams [P8-227846/3] p0208 N74-26941 WOOD, B. Water demand studies in central California p0210 N74-28852 WOODS, G.	
[E74-10647] p0175 N74-28880 WIESNET, D. R. New dimensions in satellite hydrology p0205 A74-33957 WILMEIT, T. T. A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70633] p0221 N74-22115 WILLIAMS, R. S., JR. Satellite geological and geophysical remote sensing of Iceland [E74-10467] p0194 N74-21992 WINE, D. H. Instrumentation techniques for advanced fine-pointing mechanisms in a passive seismic environment [AIAA PAPER 74-872] p0221 A74-37858 WOLF, D. Aerial analytical triangulation [PB-227276/3] p0189 N74-23032 WOLFE, R. Applied solid state science: Advances in materials and device research. Volume 4 p0220 A74-34769 WOMACK, J. D. Remote sensing in sampling site location in lakes end streams [PB-227848/3] p0208 N74-26941 WOOD, B. Water demand studies in central California	

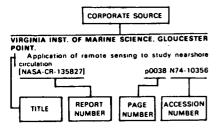
B-11

CORPORATE SOURCE INDEX

Earth Resources / A Continuing Bibliography (Issue 3)

MAY 1975

Typical Corporate Source Index Listing



The title of the document is used to provide a brief description of the subject matter. The page number and the accession number are included in each entry to assist the user in locating the abstract in the abstract section. If applicable, a report number is also included as an aid in identifying the document.

AGRICULTURAL RESEARCH SERVICE, WESLACO,

Reflectance of vegetation, soil, and wate

pO171 N74-25857 Irrigation scheduling, freeze warning and soil salinity

[E74-10541] p0171 N74-25859

A study of early detection of insect infestations and density/distribution of host plants [E74-10560] p0173 N74-28811

Irrigation scheduling, freeze warning and soil salinity

p0174 N74-28813 [E74-10569]

A study of the early detection of insect infestations and sity/distribution of host plants

[E74-10600] pO174 N74-28835 A study of early detection of insect infestations and

sity/distribution of host plants p0174 N74-28836 [E74-10601] A study of early detection of insect infestations and

sity/distribution of host plants [F74-10638] pO175 N74-28872 A study of the early detection of insect infestations and

sity/distribution of host plants [E74-10639]

A study of the early detection of in density/distribution of host plants [E74-10642] p0175 N74-28876

Reflectance of vegetation, soil, and water [E74-10647] p017

[E74-10647] p0175 N74-28880 AGRICULTURE DEPT., BERKELEY, CALIF.

Remote sensing of changes in morp of trees under stress p0170 N74-22962 [NASA-CR-138392]

Monitoring forest land from high altitude and from p0172 N74-26868 [NASA-CR-138624]

Remote sensing applications classification and conifer vigor to forest vegetation loss due to dwarf mistletoe [NASA-CR-138806]

p0173 N74-27804 AIR FORCE SYSTEMS COMMAND. WRIGHT-PATTERSON AFB, OHIO.

Space research. Investigation of the gravitational fields and the shape of the earth, other planets and the moon by observations from space vehicles

[AD-774398] p0189 N74-25902 frared radiometer for geological аррия p0222 N74-25913

IAD-7768881 ALASKA UNIV., COLLEGE.

Ground magnetometer survey in the Valley of Ten Thousand Smokes, Alaska p0196 N74-26907

ALASKA UNIV., FAIRBANKS. Preliminary vegetation map of the Espenberg Peninsula, Alaska, based on an Earth Resources Technology Satellite

[E74-10544] p0171 N74-25862

A vegetation map of an area near Fairbanks, Alaska, hased on an ERTS image [E74-10545] p0171 N74-25863

Applications of remote sensing data to the Alaskan

[NASA-CR-138512] p0201 N74-25884

ERTS-A data as a teaching and research tool in the Department of Geology [E74-10617] p0228 N74-27791 Evaluation of feasibility of mapping seismically active faults in Alaska

[E74-10574] n0197 N74-28818 The circulation of Prince William Sc

[E74-10575] p0203 N74-28819 Application of ERTS imagery to the study of caribou

movements and winter habitat [F74-10636] p0175 N74-28870 AMERICAN UNIV., WASHINGTON, D.C.

ming in Agadez and Preliminary report on sand-stre Tahoua Departments, Republic of Niger p0181 N74-21967 [E74-10442]

ARIZONA UNIV., TUCSON.

Evaluation of ERTS-1 image sensor spatial resolution in photographic form [E74-10484]

p0221 N74-22008 ARMY COASTAL ENGINEERING RESEARCH CENTER.

An ERTS-1 study of coastal features on the North Carolina

ARMY COLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, N.H.

Investigations performed on the Arctic ice dynamics joint March 1971 AD-7753811 p0201 N74-23020

ARMY CONSTRUCTION ENGINEERING RESEARCH LAB., CHAMPAIGN, ILL.

Effect of construction and staged filling of reservoirs on e environment and ecology

[E74-10610] p0209 N74-28843 ARMY ENGINEER WATERWAYS EXPERIMENT

STATION, VICKSBURG, MISS. Application of remote sensors to army facility

p0182 N74-22621

ARMY FOREIGN SCIENCE AND TECHNOLOGY CENTER, CHARLOTTESVILLE, VA.

Complex of programs for computing co-ordinates of photographic points on electronic computers using results of radiogeodesic measurements [AD-776104] DO190 N74-25905

ATOMIC ENERGY COMMISSION, OAK RIDGE, TENN. Radiometric gages: A bibliography [TID-3338] p0223 N74-27891

BATTELLE COLUMBUS LABS., OHIO.

Calibration and evaluation of Skylab altimetry for geodetic letermination of the geoid [E74-10447] n0188 N74-21972 Relevance of ERTS to the State of Ohio

DO181 N74-22007 [E74-10483]

Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid [E74-10533] p0189 N74-25851

Calibration and evaluation of Skylab altimetry for geodetic determination of the geoid

[E74-10612] p0190 N74-27788 Calibration and evaluation of Skylab altimetry for geodetic

termination of the geoid pQ191 N74-28822 [E74-10579]

Relevance of ERTS-1 to the State of Ohio [E74-10641] p0230 N74-28875 BATTELLE-NORTHWEST, RICHLAND, WASH,

Evaluation of a high volume cascade particle impactor

BNWL-SA-46771 p0181 N74-21901

BENDIX CORP., ANN ARBOR, MICH. ed land-use mapping from

Automated [E74-10440] p0188 N74-21965 A technique for correcting ERTS data for solar and atmospheric effects p0213 N74-22013 [E74-10489]

Automated strip-mine and reclamation mapping from

p0194 N74-22014 Automatic classification of eutrophication of inland lakes

from spacecraft data [E74-10580] p0209 N74-28823 Inventories of Delaware's coastal vegetation and land-use

utilizing digital processing of ERTS-1 [E74-10590] imagery p0185 N74-28832

BOEING CO., KENT, WASH.

Quantitative determination of stratospheric aerosol p0212 N74-21963 [E74-10438]

Quantitative determination of stratospheric aerosol characteristics

p0222 N74-25866 Quantitative determination of stratospheric aerosol

DO224 N74-28840 [E74-10607]

BOULDER AREA GROWTH STUDY COMMISSION,

Exploring options for the future: A study of growth in Boulder county. Volume 3: Environmental constraints and opportunities

[NASA-CR-138177] p0180 N74-21845

BREVARD COUNTY PLANNING DEPT., TITUSVILLE,

Planning applications in east central Florida

p0181 N74-21973

Planning applications in east central Florida [E74-10623] p0230 N74-28862 BUREAU OF LAND MANAGEMENT, RIVERSIDE,

Use of Skylab data to assess and monitor change in the southern California environment; the California desert program - resource inventory and analysis

p0182 N74-22020 BUREAU OF MINES, PITTSBURGH, PA.

Geologic structure analysis using radar imagery of the coal mining area of Buchanan County, Va. [PB-228689/6] p0198 N74-28919

BUREAU OF RECLAMATION, DENVER, COLO.

Monitor weather conditions for cloud seeding control [E74-10468] p0205 N74-21993 Current measurements in the Salton Sea using ERTS

multispectral imagery p0204 N74-28886 [E74-10653]

BUREAU OF SPORT FISHERIES AND WILDLIFE.

JAMESTOWN, N. DAK.

Utilization of Skylab (EREP) system for appraising changes in continental migratory bird habitat [E74-10488] p0168 N74-22012 Utilization of Skylab (EREP) system for appraising

changes in continental migratory bird habitat [E74-10557] 74-10557] p0171 N74-26866 Utilization of Skylab (EREP) system for appraising

changes in continental migratory bird habitat p0172 N74-27769

C

CALIFORNIA EARTH SCIENCE CORP., SANTA

Fault tectonics and earthquake hazards in the Peninsular

Ranges, southern California [E74-10528] p0195 N74-25846

Fault tectonics and earthquake hazards in the Peninsular Ranges, southern California

[E74-10565] p0196 N74-27776 Fault tectonics and earthquake hazards in the Peninsular

Ranges, southern California [E74-10570] n0197 N74-28814

(E/4-105/0) DU19/ N/4-28814
CALIFORNIA STATE OFFICE OF SCIENCE AND TECHNOLOGY, SACRAMENTO.
Use of ERTS-A, Skylab, and supporting aircraft to enhance

urce management p0170 N74-22949 [F74-10498]

CALIFORNIA UNIV., BERKELEY.

Agricultural interpretation technique development [E74-10491] p0168 N74p0168 N74-22015 An integrated study of earth resources in the State of Celifornia based on Skylab and supporting aircraft data [E74-10495] p0226 N74-22018

Skylab data as an aid to resource management in norther p0168 N74-22019

Remote sensing of changes in morphology and physiology of trees under stress	Volcanology, geology, and vegetation of Italy and Sicily [E74-10620] p0198 N74-28848	A comparison of Skylab and ERTS data for agricultural crop and natural vegetation interpretation
[NASA-CR-138392] p0170 N74-22962	CORNELL UNIV., ITHACA, N.Y.	[E74-10586] p0174 N74-28829
Monitoring forest land from high altitude and from space	Remote sensing program	ECOSYSTEMS INTERNATIONAL, INC., GAMBRILLS, MD.
[NASA-CR-138624] p0172 N74-26868	[NASA-CR-138135] p0226 N74-22026 Evaluation of Skylab imagery as an information service	Synthesis and analysis of ERTS program. Water
Remote sensing applications to forest vegetation	for investigating land use and natural resources (Skylab)	resources: Significance, user requirements, remote sensing
classification and conifer vigor loss due to dwarf mistletoe	[E74-10527] p0183 N74-26863	applications [E74-10554] p0209 N74-28810
[NASA-CR-138806] p0173 N74-27804	Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab)	ENVIRONMENTAL RESEARCH AND TECHNOLOGY,
An integrated study of earth resources in the State of	[E74-10564] p0216 N74-27775	INC., LEXINGTON, MASS.
California using remote sensing techniques [E74-10621] p0229 N74-28849	Cornell University remote sensing program	Study to develop improved spacecraft snow survey methods using Skylab/EREP data
Introduction p0210 N74-28850	[NASA-CR-138749] p0228 N74-27806	[E74-10476] p0206 N74-22000
Separation of manmade and natural patterns in high	Evaluation of Skylab imagery as an information service for investigating land use and natural resources (Skylab)	The application of ERTS imagery to monitoring Arctic
altitude imagery of agricultural areas p0174 N74-28855 On the feasibility of benefit-cost analysis applied to	[E74-10644] p0185 N74-28877	sea ice [E74-10502] p0200 N74-22951
remote sensing projects p0230 N74-28856	CORPS OF ENGINEERS, CHAMPAIGN, ILL.	Experimental evaluation of atmospheric effects on
Activities of the Social Sciences Group, Berkeley campus p0230 N74-28857	Effects of construction and staged filling of reservoirs	radiometric measurements using the EREP of Skylab
campus p0230 N74-28857 Summary p0230 N74-28860	on the environment and ecology [E74-10458] p0205 N74-21983	[E74-10543] p0222 N74-25861 Study to develop improved spacecraft snow survey
CALIFORNIA UNIV., DAVIS.	CORPS OF ENGINEERS, WALTHAM, MASS.	methods using Skylab/EREP data
Water supply studies p0210 N74-28851	ERTS-1 data user investigation of the use of ERTS	[E74-10562] p0208 N74-27773
Multispectral combination and display of ERTS-1 data p0217 N74-28854	imagery in reservoir management and operation [E74-10453] p0205 N74-21978	A study to develop improved spacecraft show survey methods using Skylab/EREP data: Demonstration of the
Investigation of atmospheric effects in image transfer	The use of ERTS imagery in reservoir management and	utility of the S190 and S192 data
pO217 N74-28858	operation	[E74-10582] p0209 N74-28825
CALIFORNIA UNIV., LOS ANGELES. A digital offset fluxgate magnetometer for use in remote	[E74-10485] p0206 N74-22009	ENVIRONMENTAL RESEARCH INST. OF MICHIGAN, ANN ARBOR.
geomagnetic observatories	ERTS-1 data user investigation of the use of ERTS	Study of recreational land and open space using Skylab
[AD-777885] p0223 N74-27896	imagery in reservoir management and operation [E74-10542] p0207 N74-25860	imagery
Power law time dependence of river flood decay and its relationship to long term discharge frequency	New England reservoir management	[E74-10444] p0181 N74-21969 Developing processing techniques for Skylab data
distribution p0210 N74-28859	[E74-10551] p0207 N74-25867	[E74-10445] p0212 N74-21970
CALIFORNIA UNIV., RIVERSIDE.		Skylab support
Use of Skylab data to assess and monitor change in the southern California environment; the California desert	D	[E74-10451] p0226 N74-21976
program - resource inventory and analysis	•	Determination of the earth's aerosol albedo using Skylab data
p0182 N74-22020	DARTMOUTH COLL, HANOVER, N.H.	[E74-10478] p0213 N74-22002
Evaluation of remote sensing in control of pink bollworm in cotton	Land use in northern Megalopolis	Infrared, radar, and optical applications of ERTS data
[E74-10503] p0169 N74-22024	[E74-10583] p0184 N74-28826	[E74-10497] p0182 N74-22022 Study of atmospheric effects in Skylab data
Correlation of remote sensing imagery of the coast of	DELAWARE UNIV., NEWARK.	[E74-10505] p0213 N74-22025
southern and Baja California with terrain analysis	Skylab/EREP application to ecological, geological and oceanographic investigations of Delaware Bay	Optical modeling of agricultural fields and rough-textured
[AD-773598] p0213 N74-22085 Water demand studies in southern California	[E74-10437] p0199 N74-21962	rock and mineral surfaces
p0210 N74-28853	Inventories of Delaware's coastal vegetation and land-use	[NASA-CR-134243] p0169 N74-22046 Improvements in estimating proportions of objects from
CALIFORNIA UNIV., SANTA BARBARA.	utilizing digital processing of ERTS-1 imagery [E74-10531] p0183 N74-25849	multispectral data
Water demand studies in central California p0210 N74-28852	Correlation of coastal water turbidity and circulation with	[NASA-CR-134252] p0213 N74-22049
CALSPAN CORP., BUFFALO, N.Y.	ERTS-1 and Skylab imagery	Wheat classification exercise, using 11 June 1973, ERTS
S190 interpretation techniques development and	[E74-10532] p0201 N74-25850	MSS data for Fayetta County, Illinois (for CITARS task) [NASA-CR-134253] p0169 N74-22050
application to New York State water resources [E74-10593] p0208 N74-27779	Monitoring physical and chemical parameters of Delaware	The NASA earth resources spectral information system:
	Bay waters with an ERTS-1 data collection platform [F74-10566] 00202 N74-27777	A data compilation, second supplement
S190 interpretation techniques development and application to New York State water resources	[E74-10566] p0202 N74-27777	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational
S190 interpretation techniques development and application to New York State water resources [E74-10865] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK.	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134264] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN.	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833	A data compilation, second supplement [NASA-CR-134267] Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] D0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25809 Study of recreational land and open space using Skylab
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab ERP data p0194 N74-22011	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic see-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] D0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data	[E74-10566] p0202 N74-2777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses · [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-2203	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab ERP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] Applicability of remote sensor data to geologic analysis	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic see-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-2203 Crop identification and acreage measurement utilizing ERTS imagery	A data compilation, second supplement [NASA-CR-134267] Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] Study of recreational land and open space using Skylab imagery [E74-10529] Skylab support [E74-10548] p0227 N74-25884
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] Geologic information from satellite images [E74-10507] Geologic information from satellite images [E74-10507] Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25864 Developing processing techniques for Skylab data
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP date [E74-10487] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO).	A data compilation, second supplement [NASA-CR-134267] Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10512] Oil pollution detection, monitoring and law
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0220 N74-21979 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509]	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10590] DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] Geologic information from satellite images [E74-10507] Applicability of remote sensor data to geologic analysis of the Bonaruza test site Colorado [E74-10508] New uses of shadow enhancement [E74-10509] An evaluation of multiband photography for rock	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data	A data compilation, second supplement [NASA-CR-134267] Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] De214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] Skylab support [E74-10548] Developing processing techniques for Skylab data Developing processing techniques for Skylab data [E74-10515] Di pollution detection, monitoring and law enforcement [E74-10559] P0184 N74-27771
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0220 N74-21979 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509]	[E74-10566] p0202 N74-2777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE. WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data p206 N74-22016 Retransmission of water resources data using the ERTS-1	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses · [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] Retransmission of water resources data using the ERTS-1 data collection system	A data compilation, second supplement [NASA-CR-134267] Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] Study of recreational land and open space using Skylab imagery [E74-10529] p0214 N74-25847 Skylab support [E74-10548] Developing processing techniques for Skylab data E74-105151 Oil pollution detection, monitoring and law enforcement [E74-10559] Developing processing techniques for Skylab data [E74-10559]
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10590] p0185 N74-28833 DEPARTMENT OF AGRICULTURE. WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10567] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-105161] p0207 N74-25841	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10563] p0216 N74-27771 Developing processing techniques for Skylab data [E74-10568] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588]
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10509] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0195 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p020 N74-22018 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0184 N74-2771 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] Mapping exposed silicate rock types and exposed ferric
S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data p0197 N74-28844 COLORADO UNIV., BOULDER.	[E74-10566] p0202 N74-2777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE. WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10482] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY).	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10563] p0216 N74-27771 Developing processing techniques for Skylab data [E74-10568] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588]
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0195 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses: [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANISTALT FUER LUET- UND RAUMFAHRT, OBERPFAFFENHOFEN [WEST GERMANY].	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10563] p0216 N74-27771 Wettands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0220 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado	[E74-10566] p0202 N74-2777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE. WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10482] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY).	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0215 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-25864 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10583] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] Study of recreational land and open space using Skylab imagery
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10509] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0195 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado p0183 N74-25885	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE. WASHINGTON, D.C. Cop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSAMSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27771 Wetlands mapping of Michigan from ERTS data [E74-10568] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] Study of recreational land and open space using Skylab
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0220 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses: [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANISTALT FUER LUET- UND RAUMFAHRT, OBERPFAFFENHOFEN [WEST GERMANY].	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0215 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-25864 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10583] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] Study of recreational land and open space using Skylab imagery
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] Geologic information from satellite images [E74-10507] Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10509] New uses of shadow enhancement [E74-10509] An evaluation of multiband photography for rock discrimination [E74-10510] Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10510] Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data p0197 N74-28844 COORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization, 1975, part 3	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEURSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0215 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-25864 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10583] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] Study of recreational land and open space using Skylab imagery
S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] P0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] P0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] P0194 N74-22011 Geologic information from satellite images [E74-10507] P0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] P0195 N74-22955 New uses of shadow enhancement [E74-10509] P0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] P0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] P0197 N74-2884 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] P0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization, 1975, part 3 [GP0-31-032]	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE. WASHINGTON, D.C. Cop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSAMSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0215 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-25864 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10583] p0216 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] Study of recreational land and open space using Skylab imagery
S190 interpretation techniques development and application to New York State water resources [E74-10605] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0220 N74-28857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization, 1975, part 3 [GPO-31-032]	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10507] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p020 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUTT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific sircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skytab EREP S-190 and S-192 imagery in multistage forest surveys	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p027 N74-25844 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-2771 Developing processing techniques for Skylab data [E74-10583] p0184 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] p0196 N74-27782 Study of recreational land and open space using Skylab imagery [E74-10645] p0185 N74-28878 F EEDERAL HIGHWAY ADMINISTRATION,
S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] Geologic information from satellite images [E74-10507] p0194 N74-22914 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-2884 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. MOUSE). NASA authorization, 1975, part 3 [GPO-31-032] p0227 N74-25602 Annual report on the nation's progress in aeronautics and space activities, 1973	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10551] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN IWEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10448]	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134264] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25844 Developing processing techniques for Skylab data [E74-10512] p0184 N74-2771 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10598] p0196 N74-27778 Study of recreational land and open space using Skylab imagery [E74-10645] p0190 N74-27778 EEDERAL HIGHWAY ADMINISTRATION, ARLINGTON, VA.
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10509] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0195 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization. 1975, part 3 [GP0-31-032] p0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities, 1973 [H-DOC-93-2883] p0227 N74-28406	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10590] p0185 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10448] p0168 N74-21971 Mineral exploration potential of ERTS-1 data (E74-10608)	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p027 N74-25844 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-2771 Developing processing techniques for Skylab data [E74-10583] p0184 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] p0196 N74-27782 Study of recreational land and open space using Skylab imagery [E74-10645] p0185 N74-28878 F EEDERAL HIGHWAY ADMINISTRATION,
S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] Geologic information from satellite images [E74-10507] p0194 N74-22914 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-2884 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. MOUSE). NASA authorization, 1975, part 3 [GPO-31-032] p0227 N74-25602 Annual report on the nation's progress in aeronautics and space activities, 1973	[E74-10566] p0202 N74-27777 Carrelation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10446] p0168 N74-21971 Mineral exploration potential of ERTS-1 data [E74-10808]	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25847 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0215 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10588] p0216 N74-27778 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] p0196 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space using Skylab imagery [E74-10645] p0196 N74-27782 FEDERAL HIGHWAY ADMINISTRATION, ARLINGTON, VA. Aerial analytical triangulation
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10509] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0195 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization. 1975, part 3 [GP0-31-032] p0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities, 1973 [H-DOC-93-2883] p0227 N74-28406	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUET- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10608] p0168 N74-2 1971 Mineral exploration potential of ERTS-1 data [E74-10608] EARTH SATELLITE CORP., WASHINGTON, D.C. An analysis of the benefits and costs of an improved	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25840 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-2771 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] p0185 N74-27887 Study of recreational land and open space using Skylab imagery [E74-10645] p0185 N74-28878 F EEDERAL HIGHWAY ADMINISTRATION, ARLINGTON, VA. Aerial analytical triangulation [PB-227276/3] p0189 N74-23032
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado (NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization, 1975, part 3 [GPO-31-032] p0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities, 1973 p0227 N74-26406 COMPUTER SCIENCES CORP., FALLS CHURCH, VA. NASA directory of observation station locations, volume 1	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10608] p0197 N74-28841 EARTH SATELLITE CORP., WASHINGTON, D.C. An analysis of the benefits and costs of an improved crop acreage forecasting system utilizing earth resources stellite or aircraft information	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25847 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0215 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10588] p0216 N74-27778 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] p0196 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space using Skylab imagery [E74-10645] p0196 N74-27782 FEDERAL HIGHWAY ADMINISTRATION, ARLINGTON, VA. Aerial analytical triangulation
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0195 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado (NASA-CR-138500) p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization. 1975, part 3 [GPO-31-032] p0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities, 1973 p0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities, 1973 p0227 N74-23502 NASA directory of observation station locations, volume 1 [NASA-TM-X-69902-VOL-1] p0227 N74-22890 NASA directory of observation station locations, volume 2	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10551] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10688] p0197 N74-28841 Mineral exploration potential of ERTS-1 data [E74-10680] p0197 N74-28841 EARTH SATELLITE CORP., WASHINGTON, D.C. An analysis of the benefits and costs of an improved crop acreage forecasting system utilizing earth resources satellite or aircraft information [PB-227361/3]	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134264] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25840 Developing processing techniques for Skylab data [E74-10512] p0184 N74-2771 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10558] p0216 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10598] Study of recreational land and open space using Skylab imagery [E74-10645] p0196 N74-27782 Study of recreational land and open space using Skylab imagery [E74-10645] p0196 N74-2782 FEDERAL HIGHWAY ADMINISTRATION, ARLINGTON, VA. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032
S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] P0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] P0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] P0194 N74-22011 Geologic information from satellite images [E74-10507] P0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] P0195 N74-22954 New uses of shadow enhancement [E74-10509] P0214 N74-22955 An evaluation of multiband photography for rock discrimination [E74-10510] P0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] P0197 N74-2894 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] P0183 N74-2585 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.s. HOUSE). NASA authorization. 1975, part 3 [GPO-31-032] P0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities. 1973 [H-DOC-93-283] P0227 N74-2606 COMPUTER SCIENCES CORP., FALLS CHURCH, VA. NASA directory of observation station locations, volume 1 [NASA-TM-X-69902-VOL-1] P0227 N74-22891	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0206 N74-22016 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10608] p0168 N74-21971 Mineral exploration potential of ERTS-1 data [E74-10608] LEARTH SATELLITE CORP., WASHINGTON, D.C. An analysis of the benefits and costs of an improved crop acreage forecasting system utilizing earth resources satellite or aircraft information [P8-227361/3] p0169 N74-22770 Application of ERTS-1 data to the harvest model of the	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques (NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-26856 Oil pollution detection, monitoring and law enforcement [E74-10559] p0184 N74-27771 Developing processing techniques for Skylab data [E74-10583] p0216 N74-27778 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] p0196 N74-27782 Study of recreational land and open space using Skylab imagery [E74-10645] p0185 N74-28878 F EEDERAL HIGHWAY ADMINISTRATION, ARLINGTON, VA. Aerial analytical triangulation [P8-227276/3] p0189 N74-23032
S190 interpretation techniques development and application to New York State water resources [E74-10805] p0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] p0200 N74-21979 A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] p0223 N74-26857 COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] p0194 N74-22011 Geologic information from satellite images [E74-10507] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10510] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0195 N74-28844 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado (NASA-CR-138500) p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. HOUSE). NASA authorization. 1975, part 3 [GPO-31-032] p0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities, 1973 p0227 N74-23502 Annual report on the nation's progress in aeronautics and space activities, 1973 p0227 N74-23502 NASA directory of observation station locations, volume 1 [NASA-TM-X-69902-VOL-1] p0227 N74-22890 NASA directory of observation station locations, volume 2	[E74-10566] p0202 N74-27777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10551] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10688] p0197 N74-28841 Mineral exploration potential of ERTS-1 data [E74-10680] p0197 N74-28841 EARTH SATELLITE CORP., WASHINGTON, D.C. An analysis of the benefits and costs of an improved crop acreage forecasting system utilizing earth resources satellite or aircraft information [PB-227361/3]	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134254] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25847 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10529] p0183 N74-25847 Skylab support [E74-10512] p0227 N74-25864 Developing processing techniques for Skylab data [E74-10512] p0215 N74-28856 Oil pollution detection, monitoring and law enforcement [E74-10583] p0184 N74-27771 Weltands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10596] p0196 N74-27782 Study of recreational land and open space using Skylab imagery [E74-10645] p0185 N74-28878 F FEDERAL HIGHWAY ADMINISTRATION, ARILINGTON, VA. Aerial analytical triangulation [PB-227276/3] p0189 N74-23032 G GEOLOGICAL SURVEY DEPT., LOBATSE (BOTSWANA). To assess the value of satellite photographs in resource
S190 interpretation techniques development and application to New York State water resources [E74-10605] P0209 N74-28838 CITY COLL OF THE CITY UNIV. OF NEW YORK. A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10454] A joint meteorological, oceanographic and sensor evaluation program for experiment S193 on Skylab [E74-10514] COLORADO SCHOOL OF MINES, GOLDEN. Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10487] Geologic information from satellite images [E74-10507] p0194 N74-22914 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10508] p0195 N74-22954 Applicability of remote sensor data to geologic analysis of the Bonanza test site Colorado [E74-10509] p0195 N74-22955 New uses of shadow enhancement [E74-10509] p0214 N74-22956 An evaluation of multiband photography for rock discrimination [E74-10610] p0195 N74-22957 Geologic and mineral and water resources investigations in western Colorado, using Skylab EREP data [E74-10613] p0197 N74-2884 COLORADO UNIV., BOULDER. The application of space technology to practical problems such as those currently facing the mountain sections of the State of Colorado [NASA-CR-138500] p0183 N74-25885 COMMITTEE ON SCIENCE AND ASTRONAUTICS (U.S. MOUSE). NASA authorization, 1975, part 3 [GPO-31-032] p0227 N74-2502 Annual report on the nation's progress in aeronautics and space activities, 1973 p0227 N74-26406 COMPUTER SCIENCES CORP., FALLS CHURCH, VA. NASA directory of observation station locations, volume 1 [NASA-TM-X-69902-VOL-1] p0227 N74-22891 CONSIGLIO NAZIONALE DELLE RICERCHE, MILAN CONSIGLIO	[E74-10566] p0202 N74-2777 Correlation of coastal water turbidity and circulation with ERTS-1 and Skylab imagery [E74-10589] p0209 N74-28831 Inventories of Delaware's coastal vegetation and land-use utilizing digital processing of ERTS-1 imagery [E74-10590] p0185 N74-28832 The application of large numbers of pleasure boats to collect synoptic sea-truth for ERTS-1 overpasses [E74-10591] p0203 N74-28833 DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. Crop identification and acreage measurement utilizing ERTS imagery [E74-10500] p0169 N74-22023 Crop identification and acreage measurement utilizing ERTS imagery [E74-10587] p0174 N74-28830 DEPARTMENT OF THE ENVIRONMENT, OTTAWA (ONTARIO). Water Survey of Canada: Application for use of ERTS-A for retransmission of water resources data [E74-10492] p0208 N74-22018 Retransmission of water resources data using the ERTS-1 data collection system [E74-10516] p0207 N74-25841 DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT. OBERPFAFFENHOFEN (WEST GERMANY). Study for a geoscientific aircraft measurement program p0227 N74-22070 E EARTH SATELLITE CORP., BERKELEY, CALIF. Evaluation of usefulness of Skylab EREP S-190 and S-192 imagery in multistage forest surveys [E74-10608] p0168 N74-21971 Mineral exploration potential of ERTS-1 data [E74-10608] EARTH SATELLITE CORP., WASHINGTON, D.C. An analysis of the benefits and costs of an improved crop acreage forecasting system utilizing earth resources satellite or aircraft information [P8-227361/3] p0169 N74-22770 Application of ERTS-1 data to the harvest model of the US menhaden fishery	A data compilation, second supplement [NASA-CR-134267] p0213 N74-22051 Signature extension: An approach to operational multispectral surveys [NASA-CR-134264] p0214 N74-22608 Extension of ERIM multispectral data processing capabilities through improved data handling techniques [NASA-CR-134268] p0214 N74-22609 Recent advancements in information extraction methodology and hardware for Earth Resources Survey Systems [E74-10515] p0214 N74-25840 Study of recreational land and open space using Skylab imagery [E74-10529] p0183 N74-25847 Skylab support [E74-10548] p0227 N74-25844 Developing processing techniques for Skylab data [E74-10512] p0184 N74-2771 Developing processing techniques for Skylab data [E74-10559] p0184 N74-27774 Wetlands mapping of Michigan from ERTS data [E74-10588] p0190 N74-27778 Mapping exposed silicate rock types and exposed ferric and ferrous compounds from a space platform [E74-10598] p0196 N74-27782 Study of recreational land and open space using Skylab imagery [E74-10645] p0196 N74-27782 Study of recreational land and open space using Skylab imagery [E74-10645] p0196 N74-23032 F

GEOLOGICAL SURVEY, BAY SAINT LOUIS, MISS. The hydrologic significance of faults in the Great Smoky Mountains National Park [E74-10460] Hydrologic significance of lineaments in central	INTERNATIONAL BUSINESS MACHINES CORP., HUNTSVILLE, ALA. Application of remote sensing to hydrology [NASA-CR-120278] p0208 N74-27811 A study of remote sensing as applied to regional and	Design data collection with skylab/EREP microwave instrument S-193 [E74-10584] p0223 N74-28827 A survey of terrain radar backscatter coefficient measurement programs
Tennessee (formerly hydrologic significance of faults in the Great Smoky Mountains National Park) [E74-10640] p0210 N74-28874 GEOLOGICAL SURVEY, DENVER, COLO.	small watersheds. Volume 1: Summary report [NASA-CR-139031] p0208 N74-27813 INTERNATIONAL IMAGING SYSTEMS, MOUNTAIN VIEW, CALIF.	[E74-10634] p0224 N74-28868 Design data collection with Skylab/EREP microwave instrument S-193 [E74-10649] p0224 N74-28882
Remote sensing geophysics from Skylab [E74-10480] p0194 N74-22004	Ocean water color assessment from ERTS-1 RBV and MSS imagery	.Design data collection with Skylab/EREP microwave instrument S-193
Remote sensing geophysics from Skylab	[E74-10651] p0204 N74-28884 IOWA UNIV., IOWA CITY.	[E74-10650] p0224 N74-28883
[E74-10481] p0194 N74-22005 Remote sensing geophysics from Skylab	Experiment to evaluate feasibility of utilizing Skylab-EREP remote sensing data for tectonic analysis of the Bighorn	KANSAS UNIV., LAWRENCE. Small scale land use mapping with radar imagery
[E74-10482] pO194 N74-22006 Remote sensing geophysics from Skylab	Mountains region, Wyoming-Montana [E74-10455] p0193 N74-21980	p0190 N74-27766
[E74-10501] p0222 N74-22950 Remote sensing geophysics from Skylab		L
[E74-10521] p0196 N74-26860 Evaluation of ERTS-1 imagery for mapping Quaternary	J	
deposits and landforms in the Great Plains and Midwest	JOINT PUBLICATIONS RESEARCH SERVICE,	LINGUISTIC SYSTEMS, INC., CAMBRIDGE, MASS, Artificial earth satellites investigate the environment
GEOLOGICAL SURVEY, RESTON, VA.	ARLINGTON, VA. Selected translations from Bulletin of the Soviet Antarctic	[NASA-TT-F-15409] p0184 N74-27391 LOCKHEED ELECTRONICS CO., HOUSTON, TEX.
Overall evaluation of Skylab (EREP) images for cartographic application	Expedition [JPRS-62019] p0207 N74-25871	Quality of signatures [NASA-CR-134263] p0169 N74-22053
[E74-10449] p0188 N74-21974 Satellite geological and geophysical remote sensing of	Methodological plan for aerial seismic studies at sea and in the open ocean	Skylab S192 data evaluation: Comparisons with ERTS-1 results
[E74-10467] pO194 N74-21992	[JPRS-62075] p0202 N74-26901 Statistical methods of studying natural objects	[E74-10506] p0170 N74-22953
The cartographic application of ERTS/RBV imagery in polar regions	[JPRS-62251] p0216 N74-27814 Meteorology and Hydrology No. 4, 1974	LOUISIANA STATE UNIV., BATON ROUGE. Remote sensing as an aid for marsh management
[E74-10470] p0188 N74-21995	[JPRS-62306] p0210 N74-29051 Use of base techniques for environmental resource	[NASA-CR-138256] p0182 N74-22976 Remote sensing as an aid to route evaluation for relocated
Urban and regional land use analysis: CARETS and Census Cities experiment package	studies. An aircraft experiment p0224 N74-29055 Multispectral scanning system in an aircraft experiment	Louisiana Highway 1 [NASA-CR-138770] p0183 N74-26910
[E74-10473] p0181 N74-21997 Investigation of Skylab imagery for application to thematic	to study the earth's resources p0224 N74-29056	Sediment transport and erosion in the Fourchon area
mapping [E74-10496] pO188 N74-22021	Calculating cloud shadows when simulating a space survey of the earth's surface p0191 N74-29057	of Lafourche parish [NASA-CR-138776] p0208 N74-26911
Remote-sensing studies of hydrologic environments in the lower Reritan River System, New Jersey	Effect of clouds on recognition of the earth's surface during visual observations and photography from space	Remote sensing as an aid for marsh management: Lafouche parish, Louisiana
[NASA-CR-138398] p0207 N74-22972	pO191 N74-29058	[NASA-CR-138775] p0208 N74-26912 Remote sensing as an aid to route evaluation for relocated
Cartographic evaluation of Skylab-A S-192 scanner images	K	Louisiana Highway 1 {NASA-CR-138748} p0 184 N74-27805
[E74-10538] p0189 N74-25856 Iron-absorption band analysis for the discrimination of		LOUISIANA STATE UNIV., NEW ORLEANS.
iron-rich zones [E74-10615] p0196 N74-27790	KANNER (LEO) ASSOCIATES, REDWOOD CITY, CALIF.	Applications of Saturn/Apollo automated data system capabilities to problems and environmental impacts of urban
Remote sensing platforms [USGS-CIRC-693] p0223 N74-27825	Hydrological basis for forecasting and calculating runoff by space images of the earth's surface	transportation [NASA-CR-120216] p0182 N74-23480
Urban and regional land use analysis: CARETS and	[NASA-TT-F-15665] p0207 N74-25889 The calculation of cloud shadows in modeling of the	
Census Cities experiment package [E74-10581] p0184 N74-28824	earth's surface from space survey [NASA-TT-F-15685] p0189 N74-25890	M
Evaluation of ERTS-1 data applications to geologic mapping, structural analysis and mineral resource inventory	The accuracy of satellite temperature sounding of the	MARTIN MARIETTA CORP., DENVER, COLO.
of South America with special emphasis on the Andes Mountain region	atmosphere [NASA-TT-F-15690] p0222 N74-25891	Skylab Earth Resource Experiment Package critical design review
Mountain region [E74-10609] p0197 N74-28842		review [NASA-CR-138380] p0227 N74-22961
Mountain region [E74-10609] Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV., MANHATTAN.	[NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH.	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 date collection systems used to predict wheat disease severities	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING.
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0208 N74-21994	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data [E74-10477] p0168 N74-22001 Skylab support
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10622] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery KANSAS UNIV. CENTER FOR RESEARCH, INC	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing. numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data [E74-10477] p0168 N74-22001 Skylab support [E74-10548] p0227 N74-25864 Investigation of Skylab data
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10608] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C.	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 [Rexible DCP interface [CONTRIB-1397] p0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE. Optical data processing analysis of stream patterns	Policy P
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p.0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWREMCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p.0205 N74-21981	Policy P
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAIN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing. numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data [E74-10477] p0168 N74-22001 [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p.0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p.0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] s.Nylab study of water quality Skylab study of water quality	Policy P
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEMI (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 date collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p.0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p.0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] p.0205 N74-21981 Skylab study of water quality [E74-10457] p.0205 N74-21991 The use of high altitude aerial photography to inventory	Policy P
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! (FINLAND). Analysis of dielectric properties and noise temperature	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV. MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p023 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] p0212 N74-21982 Skylab study of water quality [E74-10466] p0205 N74-21991 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation p0158 N74-22032	Policy P
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0209 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-1060] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEMI (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p.0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p.0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10456] p.0205 N74-21981 Skylab study of water quality [E74-10466] p.0205 N74-21991 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation	Policy P
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOUIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat. sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC. LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] skylab study of water quality [E74-10466] p0205 N74-21982 The use of high altitude aerial photography to inventory wildfife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0169 N74-22032 Research on the application of satellite remote sensing	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing. numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0168 N74-21976 Investigation of Skylab data [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-137461] p0170 N74-22962 Post-analysis report on Chesapeake Bay data processing [NASA-CR-137459] p0172 N74-26904 MINNESOTA UNIV., MINNEAPOLIS.
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0205 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834 HOUSTON UNIV., TEX. S-193 impulse response cross correlation	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery PO173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] p0212 N74-21982 Skylab study of water quality [E74-10466] p0205 N74-21991 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p0226 N74-22047 Detection of moisture and moisture related phenomena	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 [E74-10451] p0168 N74-22001 Skylab support [E74-10477] p0168 N74-22001 [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10594] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-138392] p0170 N74-22962 Post-analysis report on Chesapeake Bay data processing [NASA-CR-137461] p0215 N74-26899 [NASA-CR-137461] p0215 N74-26899 [NASA-CR-137461] p0215 N74-26899 [NASA-CR-137459] p0170 N74-22962 MINNESOTA STATE PLANNING AGENCY, ST. PAUL Land use management in Minnesota [E74-10547] p0184 N74-27788 MINNESOTA UNIV., MINNEAPOLIS. Remote sensing applications to forest vegetation
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10608] p0208 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10608] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834 HOUSTON UNIV., TEX.	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p.0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p.0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10456] p.0205 N74-21981 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p.0169 N74-22032 Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] Detection of moisture and moisture related phenomena from Skylab [E74-10471] p.0206 N74-22948	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing. numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0168 N74-21976 Investigation of Skylab data [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-137461] p0170 N74-22962 Post-analysis report on Chesapeake Bay data processing [NASA-CR-137459] p0172 N74-26904 MINNESOTA UNIV., MINNEAPOLIS.
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0205 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834 HOUSTON UNIV., TEX. S-193 impulse response cross correlation	[NASA-TT-F-15690] p0.222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0.173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0.173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0.173 N74-27798 Flexible DCP interface [CONTRIB-1397] p0.173 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p0.173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0.205 N74-21981 Ground pattern analysis in the Great Plains [E74-10456] p0.212 N74-21982 Skylab study of water quality [E74-10466] p0.205 N74-21981 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0.168 N74-22032 Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p0.226 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0.206 N74-22948 The use of moisture and moisture related phenomena from Skylab	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 [Investigation of Skylab data [E74-10477] p0168 N74-22001 Skylab support [E74-10548] p0227 N74-25864 [Investigation of Skylab data [E74-10549] p0215 N74-25865 [Investigation of Skylab data [E74-10549] p0215 N74-25865 [Investigation of Skylab data [E74-10549] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-133495] p0710 N74-22962 P0st-analysis report on Chesapeake Bay data processing [NASA-CR-137461] p0215 N74-26899 [NASA-CR-137461] p0215 N74-26899 [NASA-CR-137461] p0170 N74-276899 [NASA-CR-137461] p0170 N74-276899 [NASA-CR-137461] p0170 N74-276899 [NASA-CR-137461] p0184 N74-27768 [E74-10547] p0184 N74-27768 [NINNESOTA UNIV., MINNEAPOLIS. Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf mistletoe [NASA-CR-138806] mississippl sTATE UNIV., STATE COLLEGE.
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0205 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834 HOUSTON UNIV., TEX. S-193 impulse response cross correlation	[NASA-TT-F-15690] p.0222 N74-25891 KANSAS STATE UNIV., MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p.0173 N74-27795 Introduction p.0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p.0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p.0173 N74-27798 Flexible DCP interface [CONTRIB-1387] p.0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p.0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p.0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] p.0212 N74-21982 Skylab study of water quality [E74-10466] p.0205 N74-21991 The use of high altitude aerial photography to inventory wildfile habitat in Kansas: An initial evaluation [TR-2230-14-1] p.0169 N74-22032 Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p.0226 N74-22047 Detection of moisture and moisture related phenomena from Skylab [E74-10451] p.0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p.0170 N74-25838	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing. numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 Investigation of Skylab data [E74-10477] p0168 N74-22001 [E74-10548] p0227 N74-25864 Investigation of Skylab data [E74-10549] p0215 N74-25865 Investigation of Skylab data [E74-10549] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-137459] p0170 N74-22962 Post-analysis report on Chesapeake Bay data processing [NASA-CR-137459] p0125 N74-26899 MINNESOTA UNIV., MINNEAPOLIS. Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf mistletoe [NASA-CR-138806] p0173 N74-27804 MISSISSIPPI STATE UNIV., STATE COLLEGE. Application of remote sensing to state and regional problems
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10608] p0208 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10606] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834 HOUSTON UNIV., TEX. S-193 impulse response cross correlation [E74-10652] p0191 N74-28885	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV., MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery P0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] p0212 N74-21982 Skylab study of water quality [E74-10466] p0205 N74-21991 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0205 N74-22032 Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p0226 N74-22047 Detection of moisture and moisture related phenomena from Skylab [E74-10471] p0206 N74-22948 Detection of moisture and moisture related phenomena from Skylab [E74-10511] p0170 N74-25838	review [NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing. numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 [Investigation of Skylab data [E74-10477] p0168 N74-22001 [E74-10548] p0227 N74-25864 [Investigation of Skylab data [E74-10549] p0215 N74-25865 [Investigation of Skylab data [E74-10549] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-138392] p0170 N74-22962 Post-analysis report on Chesapeake Bay data processing [NASA-CR-137461] p0215 N74-26899 Thermal contouring of forestry data: Wallops Island processing [NASA-CR-137463] p0172 N74-26904 MINNESOTA UNIV., MINNEAPOLIS. Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf mistletoe [NASA-CR-138806] p0173 N74-27804 MINSISSIPPI STATE UNIV., STATE COLLEGE. Application of remote sensing to state and regional problems [NASA-CR-138934] p0182 N74-22973 A study of the application of Skylab EREP data to
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0208 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10606] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM1 (FINLAND). Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p0199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10592] p0174 N74-28834 HOUSTON UNIV., TEX. S-193 impulse response cross correlation [E74-10652] p0191 N74-28885	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface [CONTRIB-1397] p0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10466] p0212 N74-21982 Skylab study of water quality [E74-10466] p0205 N74-21981 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0205 N74-2202 Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p0206 N74-22047 Detection of moisture and moisture related phenomena from Skylab [E74-10540] p0170 N74-25838 E74-10540] p0170 N74-25858 Ground pattern analysis in the Great Plains	(NASA-CR-138380) p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO., ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 [Investigation of Skylab data [E74-10477] p0168 N74-22001 [E74-10548] p0227 N74-25864 [Investigation of Skylab data [E74-10549] p0215 N74-25865 [Investigation of Skylab data [E74-10549] p0216 N74-27780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-138932] p0170 N74-22962 Post-analysis report on Chesapeake Bay data processing [NASA-CR-137461] p0215 N74-26899 [NASA-CR-137461] p0721 N74-26899 [NASA-CR-137461] p0722 N74-26904 MINNESOTA UNIV., MINNEAPOLIS. Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf mistletoe [NASA-CR-138806] p0173 N74-27804 MISSISSIPPI STATE UNIV., STATE COLLEGE. Application of remote sensing to state and regional problems [NASA-CR-13894] p0182 N74-22973 A study of the application of Skylab EREP data to agriculture in the Mississippi Delta alluvial plains region p0175 N74-28889 [NASA-CR-13894] p0182 N74-22973
Mountain region [E74-10609] p0197 N74-28842 Some findings on the applications of ERTS and Skylab imagery for metropolitan land use analysis [E74-10630] p0185 N74-28866 GEOLOGICAL SURVEY, TACOMA, WASH. Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10469] p0206 N74-21994 Evaluate ERTS imagery for mapping and detection of changes of snowcover on land and on glaciers [E74-10606] p0209 N74-28839 A lake and sea ice experiment with Skylab microwave radiometry [E74-10616] p0210 N74-28845 GEOLOGICAL SURVEY, WASHINGTON, D.C. The United States Geological Survey [USGS-INF-74-2] p0198 N74-28898 H HELSINKI UNIV. OF TECHNOLOGY, OTANIEM! [FINLAND]. Analysis of dielectric properties and noise temperature of sea ice for microwave remote sensing applications p199 N74-21864 HONEYWELL, INC., MINNEAPOLIS, MINN. Automatic photointerpretation for plant species and stress identification (ERTS-A1) [E74-10652] p0174 N74-28834 HOUSTON UNIV., TEX. S-193 impulse response cross correlation [E74-10652] p0191 N74-28885	[NASA-TT-F-15690] p0222 N74-25891 KANSAS STATE UNIV MANHATTAN. Wheat: Its water use, production and disease detection and prediction [E74-10632] p0173 N74-27795 Introduction p0173 N74-27796 ERTS-1 data collection systems used to predict wheat disease severities [CONTRIB-1387] p0173 N74-27797 Seasonal canopy reflectance patterns of wheat, sorghum and soybean [CONTRIB-1385] p0173 N74-27798 Flexible DCP interface [CONTRIB-1387] p0223 N74-27798 Flexible DCP interface [CONTRIB-1387] p0223 N74-27799 Predicting soil moisture and wheat vegetative growth from ERTS-1 imagery p0173 N74-27800 KANSAS UNIV. CENTER FOR RESEARCH, INC LAWRENCE. Optical data processing analysis of stream patterns exhibited on ERTS-1 imagery [E74-10456] p0205 N74-21981 Ground pattern analysis in the Great Plains [E74-10457] p0212 N74-21982 Skylab study of water quality [E74-10466] p0205 N74-21991 The use of high altitude aerial photography to inventory wildlife habitat in Kansas: An initial evaluation [TR-2230-14-1] p0205 N74-22032 Research on the application of satellite remote sensing to local, state, regional and national programs involved with resource management and environmental quality [NASA-CR-138173] p0226 N74-22047 Detection of moisture and moisture related phenomena from Skylab [E74-10540] p0170 N74-25838 Detection of moisture and moisture related phenomena from Skylab [E74-10540] p0171 N74-25858	[NASA-CR-138380] p0227 N74-22961 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. Appendix to theory of radio-frequency interferometry in geophysical subsurface probing, numerical results [NASA-CR-134333] p0224 N74-28887 MCDONNELL AIRCRAFT CO, ST. LOUIS, MO. Arial detection of spill sources [PB-228105/3] p0184 N74-26940 MICHIGAN STATE UNIV., EAST LANSING. Skylab support [E74-10451] p0226 N74-21976 [Investigation of Skylab data [E74-10477] p0168 N74-22001 Skylab support [E74-10548] p0227 N74-25864 [Investigation of Skylab data [E74-10549] p0215 N74-25865 [Investigation of Skylab data [E74-10549] p0216 N74-2780 MICHIGAN UNIV., ANN ARBOR. Remote sensing of changes in morphology and physiology of trees under stress [NASA-CR-138392] p0170 N74-22962 P0st-analysis report on Chesapeake Bay data processing [NASA-CR-137459] p0215 N74-26899 [NASA-CR-137459] p0170 N74-26899 [NASA-CR-137459] p0184 N74-27768 MINNESOTA UNIV., MINNEAPOLIS. Remote sensing applications to forest vegetation classification and conifer vigor loss due to dwarf mistletce [NASA-CR-138806] p0173 N74-27804 MISSISSIPPI STATE UNIV., STATE COLLEGE. Application of remote sensing to state and regional problems [NASA-CR-138394] p0182 N74-22973 A study of the application of Skylab EREP data to agriculture in the Mississippi Delta alluvial plains region

MONTANA STATE UNIV., BOZEMAN. MONTANA STATE UNIV., BOZEMAN Floodplain mapping and planning for the 50 and 100 year interval flood zones of the Bitterroot Valley, Montana [PB-226082/6] p0207 N74-23030 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. GODDARD SPACE FLIGHT CENTER, GREENBELT, MD. Strategies for estimating the marine geoid from altimeter [NASA-TM-X-70637] nO188 N74-22058 Estimation of sunlight penetration in the sea for re sensina A multi-sensor analysis of Nimbus 5 data on 22 January 1973 [NASA-TM-X-70643] [NASA-TM-X-70633] n0221 N74-22115 NASA directory of observation station locations, volume p0227 N74-22890 [NASA-TM-X-69902-VOL-1] NASA directory of observation station locations, volume [NASA-TM-X-69902-VOL-2] p0227 N74-22891 Crystal motion measurement by means of satellite [NASA-TM-X-70632] p0195 N74-22965 [NASA-1M-A-70632] Estimation of sea surface temperature from remote sensing in the 11-13 micron window region [NASA-TM-X-70649] p0201 N74-25888 Gravimetric geodesy and sea surface topography studies by means of satellite-to-satellite tracking and satellite [NASA-TM-X-70670] p0202 N74-26918 Flood hazards studies in the Mississippi River basin using remote sensing [NASA-TM-X-70682] p0208 N74-27830 Satellite imagery and weather for the BESEX area, 15 February - 10 March 1973 [NASA-TM-X-70692] p0203 N74-28072 Earth Observatory Satellite (EOS) definition phase report, [NASA-TM-X-69910] p0229 N74-28343 Earth Resources Technology Satellite: Cumulative US standard catalog, 23 July 1972 - 23 July 1973. Volume Observation ID listing [NASA-TM-X-70127] p0 Earth Resources Technology Satellite: p0229 N74-28800 Cumulative US

Standard catalog, 23 July 1972 - 23 July 1973. Volume 2: Coordinate listing | p0229 N74-28801 Earth Resources Technology Satellite. Cumulative non-US standard catalog. 23 July 1972 - 23 July 1973. Volume 1: Observation ID

Volume 1: Observation ID
[NASA-TM-X-70134] p0229 N74-28802
Earth Resources Technology Satellite. Cumulative
non-US standard catalog, 23 July 1972 - 23 July 1973.
Volume 2: Oservation ID
[NASA-TM-X-70133] p0229 N74-28803
Earth Resources Technology Satellite. Cumulative
non-US standard catalog, 23 July 1972 - 23 July 1973.
Volume 3: Coordinate listing, revision
[NASA-TM-X-70132] p0229 N74-28804
Earth Resources Technology Satellite. Cumulative
functional control of the control of the

Earth Resources Technology Satellite. Cumulative non-US standard catalog, 23 July 1972 - 23 July 1973. Volume 4: Coordinate listing, revision [NASA-TM-X-70136] p0229 N74-28805

Earth Resources Technology Satellite: Non-US standard catalog No. N-14 [NASA-TM-X-70123] p0229 N74-28806 Earth Resources Technology Satellite: US standard

catalog No. U-18 [NASA-TM-X-70126] p0229 N74-28807 Earth Resources Technology Satellite: Non-US standard catalog No N-13

[NASA-TM-X-70122] p0230 N74-28899 Earth Resources Technology Satellite: Non-US standard catalog No. N-15, supplement [NASA-TM-X-70124] p0231 N74-28900 Earth Resources Technology Satellite: Non-US standard

catalog No. N-16 [NASA-TM-X-70125] p0231 N74-28901 Earth Resources Technology Satellite: Non-US standard catalog No. N-17
[NASA-TM-X-70121] p0231 N74-28902

Earth Resources Technology Satellite: Non-US standard catalog No. N-18

[NASA-TM-X-70107] p0231 N74-28903 Earth Resources Technology Satellite: Non-US standard catalog No. N-19 [NASA-TM-X-70108]

DO231 N74-28904 Earth Resources Technology Satellite: Non-US standard catalog No. N-20 [NASA-TM-X-70129]

p0231 N74-28905 Earth Resources Technology Satellite: US standard catalog No. U-12 [NASA-TM-X-70109] p0231 N74-28906

Earth Resources Technology Satellite: US standard catalog No. U-13 [NASA-TM-X-70111] p0231 N74-28907

Earth Resources Technology Satellite: US standard catalog No. U-15 [NASA-TM-X-70110] n0231 N74-28908

Earth Resources Technology Satellite: US standard catalog No. U-17 [NASA-TM-X-70112] p0231 N74-28909

Earth Resources Technology Satellite: US standard catalog No. U-19 [NASA-TM-X-70120] p0231 N74-28910

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. JOHN F. KENNEDY SPACE CENTER, COCOA BEACH, FLA.

Planning applications in east central Florida [E74-10448] p0181 p0181 N74-21973 Planning applications in east central Florida [E74-10623] p0230

p0230 N74-28862 NATIONAL AERONAUTICS AND SPACE

ADMINISTRATION. LEWIS RESEARCH CENTER, CLEVELAND, OHIO.

In situ measurement of particulate number density and size distribution from an aircraft [NASA-TM-X-71577] p0185 N74-28936

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. LYNDON B. JOHNSON SPACE CENTER, HOUSTON, TEX.

Extracting land use information from the earth resources

technology satellite data by conventional interpretation [NASA-TN-D-7730] nO217 N74-28896

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MISSISSIPPI TEST FACILITY. BAY SAINT LOUIS.

Preliminary results of fisheries investigation associated with Skylab-3 p0200 N74-22003

NATIONAL AFRONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.

Space and man's environment [NASA-TM-X-70138] p0231 N74-29338 NATIONAL ENVIRONMENTAL SATELLITE CENTER,

WASHINGTON, D.C. Catalog of operational satellite products
[NOAA-TM-NESS-53] p0227 N74-25898
NATIONAL ENVIRONMENTAL SATELLITE SERVICE,

HILLCREST HEIGHTS, MD.

CREST HEIGHTS, MD.
Evaluation of ERTS data for certain oceanographic uses
74-10546] p0202 N74-26864 [E74-10546] NATIONAL ENVIRONMENTAL SATELLITE SERVICE, WASHINGTON, D.C.

A cloud physics investigation utilizing Skylab data
[E74-10441] p0221 N74-21966
An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere
[NOAA-TR-NESS-69] p02 p0201 N74-25870

[NOAA-TR-NESS-69] p0201 N74-25870 Detecting melting snow and ice by visible and near-infrared measurements from satellites p0207 N74-25877 NATIONAL FIELD INVESTIGATIONS CENTER.

Remote sensing report, San Francisco Bay Area, April -July 1972, Volume 1 [PB-227834/9] p0184 N74-26942

Remote sensing report, San Francisco Bay Area, April - ly 1972, volume 2 [PB-227835/6] p0184 N74-26943

NATIONAL MARINE FISHERIES SERVICE, BAY SAINT Application of remote sensing for fishery resource

assessment and monitoring p0200 N74-21986 Preliminary results of fisheries investigation associated ith Skylab-3

[E74-10479] p0200 N74-22003 Application of remote sensing for fishery reso assessment and monitoring [E74-10534] n0201 N74-25852

Application of remote sensing for fishery resource assessment and monitoring n0202 N74-27784 NATIONAL OCEAN SURVEY, ROCKVILLE, MD.

Skylab A proposal aerotriangulation with very small scale photography [E74-10459] p0221 N74-21984

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, BOULDER, COLO.

A feasibility study for the remote measurement of underwater currents using acoustic Doppler techniques
[NOAA-TR-ERL-278-WPL-25] p0202 N74-26952
NATIONAL OCEANIC AND ATMOSPHERIC

ADMINISTRATION, MIAMI, FLA.
Remote sensing of ocean current boundary layer p0200 N74-21968 [F74-10443] Remote sensing of ocean current b
[E74-10535] oundary layer p0201 N74-25853

Remote detection of ocean features is using ERTS-1 data the Lesser Antilles [F74-10602] n0203 N74-27785

Remote sensing of ocean current boundary layer [E74-10633] p0203 N74-27801 NATIONAL OCEANIC AND ATMOSPHERIC

ADMINISTRATION, WASHINGTON, D.C. A cloud physics investigation utilizing Skylab data
[E74-10567] p0223 N74-28812
ATIONAL PHYSICAL RESEARCH LAB., PRETORIA (SOUTH AFRICA).

To assess the value of satellite imagery in resource ation on a national scale [F74-10494] nO214 N74-25837

NATIONAL RESEARCH COUNCIL BANGKOK (THAILAND).

Thailand national programme of the Earth Resources Technology Satellite [E74-10631] p0230 N74-28867

NAVAL INTELLIGENCE SUPPORT CENTER. WASHINGTON, D.C.

Determining the geometric characteristics of a sea surface by the signal scattered from it [AD-777436] p0203 N74-27837 NAVAL RESEARCH LAB., WASHINGTON, D.C.

Terrain properties and topography from [E74-10462] p0188 N74-21987 Terrain properties and topography from Skylab altimetry

[E74-10597] p0190 N74-27783 Determination of sea surface conditions using Skylab L-band and Radscat passive microwave radion

p0203 N74-28820 Terrain properties and topography from Skylab altimeto

[E74-10619] p0191 N74-28847

NEBRASKA UNIV., LINCOLN.
Applications of remote sensing in resource management in Nebraska [NASA-CR-138602] p0228 N74-26875

NEVADA UNIV., RENO.
The Great Basin investigation
[E74-10499] p0193 N74-21959

The Great Basin investigation [F74-10561] n0196 N74-27772

The Great Basin investigation [F74-10578] p0191 N74-28821

NORTH CAROLINA STATE UNIV. RALEIGH. Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in

lorth Carolina [E74-10463] p0226 N74-21988 Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water management in North Carolina

[E74-10537] p0214 N74-25855 Utilization of ERTS-A data in geological evaluation, regional planning, forest management, and water management in North Carolina

[E74-10519] p0215 N74-26858 Utilization of EREP data in geological evaluation, regional planning, forest management, and water management in

North Carolina [E74-10611] p0228 N74-27787

NORTHROP CORP., HAWTHORNE, CALIF. Holographic stereogram display techniques for the

viewing and mensuration of stereo photogrammetric imagery [AD-778790] p0191 N74-28924

OHIO DEPT. OF ECONOMIC AND COMMUNITY DEVELOPMENT, COLUMBUS.

Evaluate the potential of Skylab photographic and infrared imagery for environmental quality, agricultural and forestry, and geographic applications in the State of Ohio [E74-10450] p0181 N74-21975

Relevance of ERTS to the State of Ohio [E74-10483] p0181 N74-22007

Relevance of ERTS to the State of Ohio [E74-10553] nO2 D0229 N74-28809 Relevance of ERTS-1 to the State of Ohio [E74-10641] p0230

n0230 N74-28875 OHIO STATE UNIV. RESEARCH FOUNDATION.

COLUMBUS Basic research and data analysis for the National Geodetic

Satellite Program and for the Earth and Ocean Physics Application Program [NASA-CR-138671] p0190 N74-26869

P

PACIFIC NORTHWEST FOREST AND RANGE

EXPERIMENT STATION, PORTLAND, OREG.

Monitoring forest land from high altitude and from

p0172 N74-26868 [NASA-CR-138624] PACIFIC SOUTHWEST FOREST AND RANGE

EXPERIMENT STATION, BERKELEY, CAUF. Inventory of forest and rangeland resources, including

forest stres p0171 N74-25848 Inventory of forest and rangeland and detection of forest

[F74-10558] n0171 N74-25868 PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. The Penn State ORSER system for processing and analyzing ERTS and other MSS data [E74-10573] p0216 N74-28817

PHILCO-FORD CORP., NEWPORT BEACH, CALIF.

Instrument to monitor CH4, CO, and CO2 auto [PB-226438/0GA] p0182 N7 p0182 N74-22132

PHYSICS LAB. RVO-TNO, THE HAGUE (NETHERLANDS).

Radar ground returns. Part 3: Further measurements on the radar backscatter of vegetation and soils p0171 N74-25961 [PHL-1974-05-PT-3]

PURDUE UNIV., LAFAYETTE, IND.

An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using automatic data processing techniques

p0212 N74-21964 Spectroradiometric measurements of Lake Monroe,

[E74-10472] p0206 N74-21996

Evaluation and comparison of ERTS measurements of

major crops and soil associations for selected test sites in the central United States
[E74-10474] p0168 N74-21998 An interdisciplinary analysis of multispectral satellite data

for selected cover types in the Colorado Mountains, using automatic data processing techniques pO215 N74-26862

[E74-10524] A multilevel, multispectral data set analysis in the visible

and infrared wavelength regions [E74-10571] p0223 N74-28815

An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using automatic data processing techniques

p0216 N74-28837 An interdisciplinary analysis of multispectral satellite data for selected cover types in the Colorado Mountains, using

utomatic data processing techniques

p0217 N74-28879 [E74-10646] Research in remote sensing of agriculture, earth resources, and man's environment [NASA-CR-138885] p0175 N74-28892

RADIO CORP. OF AMERICA, PRINCETON, N.J. Meteorological utility of high resolution multi-spectral

[E74-10635] n0224 N74-28869

READING UNIV. (ENGLAND).

First estimation of crop area statistics for the area of Argentina photographed by Skylark SL 1181, using ground truth data

p0172 N74-26928 Preliminary assessments of crop types and land use in the area of Argentina photographed by Skylark earth resources rocket SL 1181, using ground survey data and

ocket photography [UR-RSP-2] p0172 N74-26929

Delimitation of the cultivated and uncultivated areas of

Argentina photographed by Skylark SL 1181, using rocket [UR-RSP-3] p0172 N74-26930

The interpretation and use of false-colour infrared and true colour photography of part of Argentina obtained by

Skylark earth resources rockets (UR-RSP-4) p0215 N74-26931

Preliminary results from Skylark earth resources rocket experiment in Argentina

[UR-RSP-5] p0228 N74-26932

A report on current activities and facilities in the field of remote sensing of earth resources
[UR-RSR-3]

p0228 N74-26933 Key to location of rocket imagery, aircraft traverses, ground truth and available maps for the Argentinian

Skylarks [UR-RSR-1] p0215 N74-26955

Key to coding of imagery and ground truth of the Argentinian Skylarks (1181 and 1182)

[UR-RSR-2] p0216 N74-26956 ROCKWELL INTERNATIONAL SCIENCE CENTER.

THOUSAND OAKS, CALIF. Identification and interpretation of tectonic features from

ERTS-1 imagery [E74-10520] p0195 N74-26859

S

SCIENCE APPLICATIONS, INC., LA JOLLA, CALIF.

Determination of aerosol content in the atmosphere from FRTS-1 data

[E74-10452] p0212 N74-21977 SERVICE DE LA CARTE DE LA VEGETATION CNRS, TOULOURE JERANGE

TOULOUSE (FRANCE).

Management of natural resources through automatic

cartographic inventory
[E74-10518] p0189 N74-25
SMITHSONIAN ASTROPHYSICAL OBSERVATORY, p0189 N74-25843

CAMBRIDGE, MASS. Skylab short-lived event alert program

[NASA-CR-134262]

p0194 N74-22479 The 1973 Smithsonian standard earth (3)

[NASA-CR-138586] p0190 N74-27362 SOUTH ALABAMA UNIV., MOBILE. Atmospheric effects on remote sensing of non-uniform temperature sources

[NASA-CR-129028] p0222 N74-25878

SOUTH CAROLINA STATE DEVELOPMENT BOARD. COLUMBIA.

Application of multispectral photography to mineral and land resources of South Carolina

[E74-10464] p0193 N74-21989 SOUTH DAKOTA STATE UNIV., BROOKINGS.

Develop techniques and procedures, using multispectral systems, to identify from remotely sensed data the physical and thermal characteristics of plants and soil [E74-10486]

774-10486] p0168 N74-22010 Develop techniques and procedures, using multispectral systems, to identify from remotely sensed data the physical and thermal characteristics of plants and soil [E74-10556] p0172 N74-27770

STANFORD RESEARCH INST., MENLO PARK, CALIF. Lidar studies of stack plumes in rural and urban environments

[PB-227347/2] p0182 N74-23189 Study of time lapse data processing for dynamic hydrologic conditions p0208 N74-26865

[E74-10552] STANFORD UNIV., CALIF.

Wildland fire management. Volume 2: Wildland fire control 1985-1995 [NASA-CR-138400]

p0170 N74-22970 Multispectral signatures in relation to ground control signature using nested sampling approach [E74-10625] p0216 N74-27792

T

TECHTRAN CORP., GLEN BURNIE, MD.
Application of space techniques to natural resources study and environmental monitoring: An aircraft expe p0228 N74-27870 [NASA-TT-F-15683]

TELESPAZIO, S.P.A., ROME (ITALY).

Design study for the ERAF data processing facility [ESRO-CR(P)-352] p0213 N74-2. p0213 N74-22061

TENNESSEE UNIV., KNOXVILLE.

Circular scan synthetic aperture radar

p0222 N74-25668 Remote sensing in sampling site location in lakes and

streams [PB-227846/3] p0208 N74-26941

Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels [E74-10585] p0174 N74-28828

Utilizing ERTS imagery to detect plant diseases and nutrient deficiencies, soil types and soil moisture levels [E74-10629] p0174 N74-28865 [F74-10629] TRI-STATE REGIONAL PLANNING COMMISSION

NEW YORK.

Investigation of Skylab imagery for regional planning

p0183 N74-25844 [E74-10522] Investigation of Skylab imagery for regional planning [E74-10523] p0183 N74-26861

TRW SYSTEMS GROUP, HOUSTON, TEX.

ASTEP user's guide and software documentation
[NASA-CR-134303] p0215 N74-26713

TRW SYSTEMS GROUP, REDONDO BEACH, CALIF. ERTS image data compression technique evaluation 74-10627] p0216 N74-27794 [E74-10627]

U

UTAH STATE UNIV., LOGAN.

Integrated measurement of soil moisture by use of radio [PB-227242/5] p0170 N74-23031

UTAH UNIV., SALT LAKE CITY.

Study of arcuate structural trends in Utah and Nevada using ERTS-1 imagery [E74-10526] p0195 N74-25845

VERMONT UNIV., BURLINGTON.

Environmental study of ERTS-1 imagery: Lake Champlain and Vermont [E74-10517] p0183 N74-25842

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG.

Use of remote sensing in agriculture [NASA-CR-62098] p0172 N74-26876

W

WETENSCHAPPELIJK EN TECHNISCH DOCUMENTATIE- EN INFORMATIECENTRUM VOOR DE KRIJGSMACHT, THE HAGUE (NETHERLANDS).

Photogrammetry, remote sensing, cartography, mapping:
A selected bibliography on literature available at the TDCK p0227 N74-25836

WISCONSIN UNIV., MADISON.

Use of aerial photography to quantitatively estimate water quality parameters in surface water mixing zones p0206 N74-22944

WOLF RESEARCH AND DEVELOPMENT CORP., POCOMOKE CITY, MD. Applicability of Skylab remote sensing for detection and

monitoring of surface mining activities [E74-10465]

74-10465] p0194 N74-21990 Applicability of Skylab remote sensing for detection and

monitoring of surface mining activities [E74-10572] DO197 N74-28816

WOLF RESEARCH AND DEVELOPMENT CORP.,

RIVERDALE, MD.

The interdependence of lake ice and climate in central North America [E74-10622] p0210 N74-28861

WYOMING UNIV. LARAMIE.
Range vegetation type mapping and above-ground green biomass estimations using multispectral imagery p0168 N74-22017 [E74-10493]

Multidisciplinary study of Wyoming test sites [F74-10624] n0230 N74-28863

ome illustrations of the advantages of improved resolution in geologic studies [E74-10628] pO198 N74-28864

CONTRACT NUMBER INDEX

NASA ORDER 8-70251-AG-3 00169 N74-22023

Earth Resources / A Continuing Bibliography (Issue 3)

MAY 1975

p0205 N74-21981

p0212 N74-21982 p0190 N74-27781 p0173 N74-27795

p0177 A74-29021 p0170 N74-22949

p0171 N74-25882

p0171 N74-25863 p0228 N74-27791 p0197 N74-28818 p0203 N74-28819

p0175 N74-28870

p0183 N74-25849

p0201 N74-25850 p0202 N74-27777 p0209 N74-28831

P0209 N74-28831 P0185 N74-28832 P0203 N74-28833 P0208 N74-28865 P0181 N74-21973 P0221 N74-22008 P0174 N74-28846 P0212 N74-22018 P0213 N74-22013 P0174 N74-2884 P0213 N74-22013 P0174 N74-28834 P0174 N74-28834

p0174 N74-28834 p0174 N74-28828 p0174 N74-28865 p0195 N74-25845 p0216 N74-27792 p0181 N74-21967

p0181 N74-21987 p0208 N74-27813 p0216 N74-28817 p0172 N74-26876 p0216 N74-26899 p0172 N74-26904

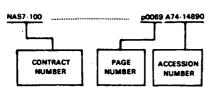
p0172 N74-28904 p0177 A74-2850 p0177 A74-28702 p0226 A74-38226 p0208 N74-2811 p0222 N74-25878 p0182 N74-23480 p0193 N74-21989 p0169 N74-22046 p0213 N74-22049 p0169 N74-22050 p0213 N74-22050 p0214 N74-22809 p0214 N74-22809

0214 N74-22808 p0214 N74-22808 p0167 A74-29050 p0193 A74-39450 p0193 A74-38437 p0211 A74-34438 p0189 N74-22053 p0211 A74-34438 p0183 N74-28841 p0183 N74-28841 p0205 N74-21951 p0213 N74-22045 p0170 N74-22848 p0170 N74-25858 p0171 N74-25858 p0193 N74-21972 p0198 N74-27772 p0191 N74-27772 p0191 N74-27772 p0181 N74-27772 p0181 N74-27772 p0181 N74-27772

D0198 M74-28821
D0198 M74-28821
D0199 M74-28821
D0190 M74-27788
D0190 M74-2788
D0191 M74-28822
D0212 M74-22190
D0215 M74-2882
D0216 M74-27774
D0184 M74-27774
D0183 M74-25847
D0185 M74-28849
D0168 M74-28878
D0174 M74-28829
D0168 M74-28884
D0208 M74-28884
D0208 M74-28884
D0222 M74-28884
D0222 M74-28884
D0222 M74-28884

p0224 N74-28840 p0206 N74-22000

Typical Contract Number Index Listing



Listings in this index are arranged alphanumerically by contract number. Under each contract number, the accession numbers denoting documents that have been produced as a result of research done under that contract are arranged in ascending order with the AIAA accession numbers appearing first. The accession number denotes the number by which the citation is identified in the abstract section. Preceding the accession number is the page number on which the citation may be found.

AF PROJ. 8601	p0223	N74-27896
ARPA ORDER 1615	p0201	N74-23020
AT(45-1)-1830	p0181	N74-21901
AT/2035/015	p0172	N74-26928
A1/2038/018	•	
	p0215	N74-26931
	p9228	N74-26932
	p0215	N74-26955
	p0216	N74-26956
AT/2035/025	pQ172	N74-26929
	p0172	N74-26930
BCL-72-17/G-1793	p0181	N74-22007
	p0230	N74-28875
CPA-70-49	p0182	N74-23189
DA PROJ. 4A1-61102-B-52C	p0191	N74-28924
DA PROJ. 4A6-62707-A-890 DA-ARO(D)-31-124-71-G101	p0182	N74-22821 N74-22957
DA-ARO(D)-31-124-71-G101	p0195	N74-22957
DAAB07-71-C-0300	p0195	A74-22957
	p0193	A74-29050
	p0167	N74-28050
= · - · · · · · · · · · · · · · · · · ·	p0191 p0214	N74-25840
	p0214	A74-33307
	p0220	N74-22770
DI-14-08-001-13519	p0169	N74-27849
DI-14-31-0001-3657	p0170	N74-23031
DI-14-31-0001-3843	p0170 p0208	N74-26941
DOT-AS-20094	p0206	A74-29702
DRME-11265	p0177	A74-35492
EPA-DBU-18010	p0205	A74-30796
EPA-01-0178	p0184	N74-26940
EPA-68-01-0178	p0178	A74-29708
EPA-68-02-0587	p0182	N74-22132
EPA-68-10-0140	p0178	A74-29708
ESTEC-1761/72-PP	p0213	N74-22061
F19628-72-C-0175	p0223	N74-27896
NASA ORDER C-21372-C	p0181	N74-21975
NASA ORDER CC-30281-A	00230	N74-28862
NASA ORDER H-2810-B	p0205	N74-21985
	p0210	N74-28874
NASA ORDER R-09-038-002	p0170	N74-22962
	p0172	N74-26868
•	p0173	N74-27804
NASA ORDER S-70243-AG	p0194	N74-21992
NASA ORDER S-70243-AG-1	p0196	N74-27789
NASA ORDER S-70243-AG-2	p0188	N74-21974
	p0206	N74-21994
	p0188	N74-21995
	p0209	N74-28839
NASA ORDER S-70243-AG-4	p0196	N74-27790
NASA ORDER S-70243-AG-8	p0205	N74-21993
NASA ORDER S-70246-AG	p0202 ,	
	p0203	N74-27785
NASA ORDER S-70251-AG	p0171	N74-25857
	p0171,	N74-25868
	p0175	N74-28880

NASA ORDER S-70251-AG-3	p0169	N74-22023	ŧ	
	p0174	N74-28830	1	
NASA ORDER S-70255-AG	p0205	N74-21983	l .	
	p0209	N74-28843	1	
NASA ORDER S-70256-AG	p0205	N74-21978	NAS5-21827	
	p0206	N74-22009	NAS5-21832	
	- 0007	N74-25880	NASS-21833	
NASA ORDER S-70260-AG	DU201	N74-2000U	1000-21000	
NASA ORDER T-4105-B	-0171	N74-20039		
			1	
NASA ORDER TATORIR	~0171	N74-20013	B	
NASA ORDER T-4106-8 NASA ORDER T-4109-8	20173	N74-20040	i .	
10.01 01.001 1-4100-0	20174	N74-28835		
	20174	N74-28836	NAS5-21837	
	00175	N74-28872		
		N74-28873		
	00175	N74-28878	1	
NASA ORDER T-4110-B	p0221	N74-21984		
NASA ORDER T-4111-B	p0189	N74-25856		
NASA ORDER T-4112-B	p0210	N74-28845	NAS5-21841	***************************************
NASA ORDER T-4114-B	p0168	N74-22012	NAS5-21842	***************************************
	PO171	N74-26886	NAS5-21847	***************************************
	p0172	N74-27769	NAS5-21849	
NASA ORDER T-4126-8 NASA ORDER T-4646-8 NASA ORDER T-4649-8	p0203	N74-28820	NAS5-21850	
NASA ORDER T-4646-B	p0207	N74-25887	NAS5-21860	***************************************
NASA UNDER 1-4649-B	POTES	N/4-22021	NAS5-21862	
NASA ORDER T-4713-B	p0200	N74-21988	NAS5-21863	***************************************
		N74-25853 N74-27801	NAS5-21866 NAS5-21873	*************************
NASA ORDER T-4715-B	P0203	N74-2/501	NASS-210/3	
147 ONDER 1-47 10-0	00221	N74-28812	NAS5-21883	
NASA ORDER T-4718-B	~01R9	N74.21087	NAS5-21884	***************************************
	60190	N74-27783	NASS-21889	***************************************
		N74 20043	NASS-21889 NASS-21942 NASS-23133	
NASA ORDER T-5290-8	00181	N74-21897	NASS-23133	
	p0184	N74-28824	NAS6-1863 .	***************************************
	p0185	N74-28868	NAS6-2058 .	*******************
NASA ORDER T-8555-B	p0194	N74-22004		
	p0194	N74-22005	NAS7-100	
		N74-22008		
		N74-22950	i	
	p0196	N74-26860	NAS8-14000	
NASA ORDER T-8217-8	p0200	N74-21986	NAS8-28722	***************************************
•	p0200	N74-22003	NAS8-28955 NAS8-29617	***************************************
		N74-25852	NAS8-29617	***************************************
NASW-2481	PUZUZ	N74-27784	NAS9-9784 .	
NA3W-2461	PU2U/	N74-25890		
	PO188	N74-25891	-	
NASW-2482	PO222	N74-27391		
NASW-2485	20228	N74-27870		
NASW-2485	20209	N74-28810		
NAS1-10139	00177	A74-29703	NAS9-10261	
NAS1-10466	nO1R0	A74-31870	NAS9-11540	
NAS1-11979NAS1-12304	p0214	N74-25840		
NAS1-12304	p0199	N74-21962	NAS9-11925	***************************************
NAS2-7562	p0226	N74-22018	NAS9-12200	
NAS2-7567NAS2-7698	p0168	N74-22015		
NAS2-7698	p0195	N74-25846	NAS9-12775 NAS9-13266	***************************************
		N74-27776	NAS9-13286	***************************************
NAS5-11320	p0197	N74-28814	NA CO 48074	
NACE 21718	PUZ 18	N74 20071	NAS9-13271	***************************************
NASS-21718	PO217	M74-25055	NAS9-13272 NAS9-13273	***************************************
	-0215	M74.789EG I	1000-14279	••••••••••••
NASS-21741	p0224	N74-28869	I	
NASS-21743	p0200	N74-22952	NAS9-13274	***************************************
NAS5-21745	p0197	N74-28841		
NAS5-21746	p0216	N74-27794		
MASS-71/49	DU 184	M/4-20020	NAS9-13276	
NAS5-21753	p0183	N74-25842		
NASS-21761		N74-28861		
NASS-21762	p0194	N74-22014		
NASS-21767		N74-26859	NAS9-13279	
NASS-21771	-0108	N74-22024 N74-22054	MA35-13260	
NASS-21778	10180 10181	N74-22007	l	
NAS5-21782	00220	N74-28809	NAS9-13281	
	00230	N74-28875	NAS9-13283	
NAS5-21783	00182	N74-22022		
NAS5-21783	p0214	N74-25840	!	
	p0190	N74-27778	NAS9-13286	***************************************
NAS5-21785	p0168	N74-21998	NAS9-13289	***************************************
NAS5-21799	p0168	N74-22017	NAS9-13289 NAS9-13298	***************************************
	-0100	N74.20084		
NAS5-21801	20104	N74.27740	NAS9-13301	***************************************
NASS-21802	p0200	M74-22901	NAS9-13303	
NAS5-21810	pU188	M74-21955		
		N74-28823	NACO	
NAS5-21822	p0211	A74-30791	NAS9-13305	***************************************
-		i		

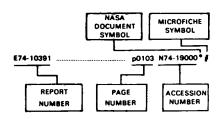
		p0208 N74-27773
NA 00		p0209 N74-28825
NAS9-13310	***************************************	p0194 N74-21990 p0197 N74-28816
NAS9-13313		p0193 N74-21980
NAS9-13317		p0196 N74-27782
NAS9-13321		p0226 N74-21988
		p0228 N74-27787
NAS9-13331	***************************************	p0223 N74-27786 p0223 N74-28827
		p0224 N74-28868
		p0224 N74-28882
		pO224 N74-28883
NAS9-13332		p0226 N74-21976
		p0168 N74-22001 p0227 N74-25864
		p0215 N74-25865
		p0216 N74-27780
NAS9-13336		
NAS9-13337		p0209 N74-28838 p0168 N74-22010
NA35-13337		p0172 N74-27770
NAS9-13343	***************************************	p0222 N74-25861
NAS9-13363		p0175 N74-28881
NAS9-13364		p0183 N74-26863
		p0216 N74-27775 p0185 N74-28877
NAS9-13380		p0212 N74-21964
		p0215 N74-26862
		p0216 N74-28837
		p0217 N74-28879
NAS9-13394		p0194 N74-22011 p0195 N74-22954
		p0195 N74-22954 p0214 N74-22956
		p0197 N74-28844
NAS9-13462		p0191 N74-28885
NAS9-13474		p0194 N74-22479
NAS9-13642		p0200 N74-21979 p0223 N74-26857
NAS9-13834	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	p0215 N74-26713
NGL-02-001-	063	p0196 N74-26907
NGL-02-001-	002	
		p0201 N74-25884
NGL-05-003-		p0177 A74-29021
		p0177 A74-29021 p0179 A74-30794
	404	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22954
NGL-05-003-	404	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22954 p0195 N74-22955
NGL-05-003-	404	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22954 p0195 N74-22955 p0214 N74-22956
NGL-05-003-	015	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22954 p0195 N74-22955 p0214 N74-22956 p0195 N74-22957
NGL-06-001-	015	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22954 p0195 N74-22955 p0214 N74-22956 p0195 N74-22957
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-2849 p0195 N74-22954 p0195 N74-22955 p0214 N74-22957 p0180 N74-21845 p0183 N74-25882 p0175 N74-28892
NGL-06-001-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0195 N74-22955 p0214 N74-22956 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032
NGL-06-001-0 NGL-06-003-0 NGL-15-005-0 NGL-17-004-0	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22956 p0195 N74-22957 p0180 N74-21845 p0175 N74-28892 p0169 N74-22032 p0266 N74-22032 p0226 N74-22032
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0195 N74-22955 p0214 N74-22956 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22956 p0195 N74-22957 p0180 N74-22957 p0183 N74-25885 p0175 N74-2892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911
NGL-06-001-0 NGL-06-003-0 NGL-15-005-0 NGL-17-004-0	200	p0177 A74-29021 p0179 A74-30794 p0129 N74-28849 p0195 N74-22955 p0195 N74-22955 p0214 N74-22956 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26911 p0208 N74-26911 p0208 N74-26912
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22957 p0195 N74-22957 p0180 N74-21845 p0175 N74-28892 p0169 N74-22032 p0226 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26912 p0183 N74-26912 p0183 N74-26912 p0183 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-26910
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26910 p0208 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911
NGL-05-003- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911
NGL-05-003- NGL-06-001- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-19-001-	200	p0177 A74-29021 p0179 A74-30794 p0129 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22955 p0195 N74-22957 p0180 N74-21845 p0175 N74-28892 p0169 N74-22032 p026 N74-22047 p0180 N74-26910 p0208 N74-26910 p0182 N74-22976 p0184 N74-22976 p0184 N74-22976
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22037 p0228 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26910 p0208 N74-26912 p0183 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-26910 p0184 N74-22976 p0184 N74-22976 p0184 N74-22978 p0182 N74-22973 p0182 N74-22973 p0182 N74-22973
NGL-05-003- NGL-06-001- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-19-001-	200	p0177 A74-29021 p0179 A74-30794 p0129 N74-2884 p0195 N74-22955 p0214 N74-22955 p0195 N74-22957 p0180 N74-22957 p0180 N74-22895 p0175 N74-28895 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26912 p0183 N74-26910 p0208 N74-26912 p0183 N74-26910 p0208 N74-26910 p0182 N74-22973 p0182 N74-22973 p0228 N74-226875 p0226 N74-22087
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-25-004- NGL-28-004- NGL-38-008-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22957 p0180 N74-22957 p0180 N74-21845 p0175 N74-28952 p0175 N74-28952 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26910 p0208 N74-26910 p0208 N74-26915 p0182 N74-22973 p0182 N74-22975 p0184 N74-22975 p0182 N74-22975 p0228 N74-22975 p0228 N74-22975 p0228 N74-22975 p0228 N74-22026 p0228 N74-22026 p0228 N74-22026 p0228 N74-22026 p0228 N74-22026
NGL-05-003- NGL-06-001- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004- NGL-33-010- NGL-36-008- NGL-36-008- NGL-36-008-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22955 p0195 N74-22957 p0196 N74-22957 p0180 N74-21845 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26912 p0183 N74-26911 p0208 N74-26912 p0183 N74-26912 p0184 N74-22937 p0184 N74-22937 p0184 N74-22937 p0185 N74-26952 p0196 N74-26859 p0196 N74-26869 p0190 N74-26869 p0190 N74-26869
NGL-05-003- NGL-06-001- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004- NGL-38-008- NGL-38-008- NGL-38-008- NGL-38-008- NGL-38-008-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22037 p0208 N74-26910 p0208 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26912 p0183 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-2993 p0182 N74-22973 p0182 N74-22973 p0182 N74-22973 p0182 N74-22973 p0184 N74-26869 p0190 N74-26869 p0190 N74-26869 p01910 N74-26869 p0191 N74-26869
NGL-05-003- NGL-06-001- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGR-09-015-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-2884 p0195 N74-22955 p0214 N74-22957 p0180 N74-22957 p0180 N74-22957 p0180 N74-21845 p0175 N74-2885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-22976 p0184 N74-22976 p0184 N74-22976 p0185 N74-22976 p0186 N74-22086 p0190 N74-26869 p0190 N74-26869 p0190 N74-26869 p0190 N74-26869 p0190 N74-26869 p0190 N74-26869
NGL-05-003- NGL-06-001- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004- NGL-38-008- NGL-38-008- NGL-38-008- NGL-38-008- NGL-38-008-	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22955 p0195 N74-22957 p0196 N74-22957 p0180 N74-21845 p0175 N74-2885 p0175 N74-2889 p0126 N74-22032 p0226 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26915 p0182 N74-22973 p0182 N74-22973 p0182 N74-22973 p0226 N74-22973 p0226 N74-22066 p0190 N74-26869 p0191 N74-26869 p0191 A74-33072 p0190 N74-28669 p0191 A74-33072 p0190 N74-2362
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-33-010- NGL-36-008- NGL-36	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22955 p0195 N74-22957 p0196 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22037 p0208 N74-26912 p0183 N74-26912 p0183 N74-26912 p0183 N74-26912 p0180 N74-26912 p0180 N74-26912 p0182 N74-22973 p0208 N74-26912 p0182 N74-22973 p0182 N74-22973 p0126 N74-22973 p0126 N74-22973 p0127 N74-28669 p0190 N74-26869 p0190 N74-26869 p01910 N74-26869 p0190 N74-26869 p01910 N74-26869 p0190 N74-26869 p01910 N74-26869 p0190 N74-26869 p01910 N74-26869 p01910 N74-26869 p0190 N74-26869 p01910 N74-26869 p01910 N74-26869 p01910 N74-26869 p01910 N74-26869 p01910 N74-26869 p01910 N74-26869 p0190 N74-26869 p01910 N74-26869
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004- NGL-38-008- NGL-38-008- NGL-36-008- NGL-36	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0214 N74-22956 p0195 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26912 p0183 N74-26910 p0208 N74-26910 p0208 N74-26910 p0208 N74-26910 p0182 N74-22976 p0184 N74-22978 p0184 N74-22978 p0190 N74-26869 p0190 N74-26869 p0190 N74-26869 p0211 A74-33072 p0191 N74-23662 p0214 N74-2362 p0214 N74-2362 p0214 N74-2362 p0190 N74-26869 p0190 N74-27362 p0214 N74-2362 p02179 A74-33072 p0190 N74-2362 p0219 N74-22970
NGL-05-003- NGL-06-001- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004- NGL-33-010- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGR-36-008- NGR-36	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0195 N74-22955 p0195 N74-22957 p0196 N74-22957 p0198 N74-22987 p0175 N74-28892 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26912 p0182 N74-26912 p0182 N74-26912 p0182 N74-2695 p0182 N74-2295 p0190 N74-26869 p0190 N74-26869 p0211 A74-2305 p0190 N74-26869 p0211 A74-3072 p0190 N74-28869 p0211 A74-3072 p0190 N74-28869 p0211 A74-3072 p0190 N74-28869 p0211 A74-3072 p0190 N74-28869 p0211 A74-30397 p0190 N74-228840 p0191 P0174-22985 p0190 N74-228840 p0179 A74-30397 p0170 N74-22985 p02013 N74-22085 p02013 N74-22085 p02013 N74-22085 p02013 N74-22085 p02013 N74-22085
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-25-001- NGL-28-004- NGL-38-008- NGR-31-001- NGT-05-020- NGR-09-015- NGR-23-005- NGR-51-001- NGT-05-020- NGR-01-22- NGR-01	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0214 N74-22957 p0180 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28892 p0169 N74-22032 p0169 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26910 p0208 N74-2695 p0182 N74-22976 p0182 N74-22976 p0184 N74-22976 p0185 N74-26869 p0190 N74-26869 p0190 N74-26869 p0190 N74-26869 p0214 N74-2362 p0190 N74-26869 p0191 N74-2362 p0190 N74-2362 p0191 N74-2362 p0191 N74-2362 p0191 N74-2362 p0179 A74-30397 p0170 N74-22970 p0213 N74-22970 p0213 N74-23052 p0205 A74-30796 p0179 A74-30796
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-39-001- NGL-39-001- NGL-39-001- NGL-39-005- NGR-33-010- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGR-31-001- NGT-05-020- NR PROJ. 38 NG0-14-69-88 N00014-69-88 N00014-69-88 N00014-69-88 N00014-69-89-80 SURF PROJ	200	p0177 A74-29021 p0179 A74-30794 p0229 N74-28849 p0195 N74-22955 p0214 N74-22955 p0214 N74-22955 p0195 N74-22957 p0196 N74-22957 p0180 N74-21845 p0183 N74-25885 p0175 N74-28952 p0169 N74-22032 p0226 N74-22032 p0226 N74-22047 p0183 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26912 p0182 N74-22973 p0182 N74-22973 p0182 N74-22973 p0182 N74-22973 p0226 N74-22973 p028 p0190 N74-26669 p0190 N74-26669 p01910 N74-26669 p01910 N74-26669 p01910 N74-26669 p01910 N74-26669 p01910 N74-26669 p01910 N74-26669 p01910 N74-26669 p01910 N74-27662 p0214 N74-25840 p0179 A74-30397 p0179 N74-22955 p0205 A74-30796 p0179 N74-22085 p0213 N74-22085 p0213 N74-22085 p0210 N74-28689 p01019 N74-22085 p0213 N74-22085
NGL-05-003- NGL-06-001- NGL-06-003- NGL-15-005- NGL-17-004- NGL-19-001- NGL-19-001- NGL-39-001- NGL-39-001- NGL-39-001- NGL-39-005- NGR-33-010- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGL-36-008- NGR-31-001- NGT-05-020- NR PROJ. 38 NG0-14-69-88 N00014-69-88 N00014-69-88 N00014-69-88 N00014-69-89-80 SURF PROJ	200	p0177 A74-29021 p0179 A74-30794 p0129 N74-28849 p0195 N74-22955 p0214 N74-22955 p0214 N74-22957 p0180 N74-22957 p0180 N74-22957 p0180 N74-22957 p0187 N74-28892 p0169 N74-22032 p0169 N74-22032 p0169 N74-26910 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26911 p0208 N74-26910 p0182 N74-22976 p0182 N74-22976 p0184 N74-27805 p0190 N74-26869 p0190 N74-26869 p0211 A74-30397 p0170 N74-22970 p0213 N74-22956 p0218 p0219 A74-30397 p0170 N74-22985 p0205 A74-30796 p0179 A74-30397 p0170 N74-22686 p0190 N74-26869 p0211 A74-25869 p0213 N74-22686

REPORT/ACCESSION NUMBER INDEX

Earth Resources / A Continuning Bibliography (Issue 3)

MAY 1975

Typical Report /Accession **Number Index Listing**



AD-773598	p0213	N74-22085 #
AD-774398	p0189	N74-25902
AD-775381	p0201	N74-23020 #
AD-775407	p0182	N74-22621
AD-776104	p0190	N74-25905 #
AD-776888	p0130	N74-25913
		N74-27837
AD-777436AD-777885	p0203 p0223	111111111111111111111111111111111111111
AD-7778790	p0191	N74-27896 # N74-28924 #
AD-770700	poisi	
AED-R-4011	p0224	N74-28869 * #
AEWES-TR-M-74-2	p0182	N74-22621 #
AFCRL-TR-73-0603	p0223	N74-27896 #
AIAA PAPER 74-651	p0180	A74-35906°#
AIAA PAPER 74-852	p0180	A74-37844*#
AIAA PAPER 74-872	p0221	A74-37858 #
AOP-2	p0184	N74-27805*#
AOP-4	p0182	N74-22976*#
BM-RI-7869	pQ198	N74-28919 #
BMPR-11	p0171	N74-25848 * #
BMR-8	pO182	N74-22022*#
BMR-9	p0192	N74-27778 * #
BMR-11	p0130	N74-26864 *
BMR-12	p0202	N74-26884 ·
DMN-14	pozoz	W-120004 P
BNWL-SA-4877	p0181	N74-21901 #
CALSPAN-YB-5298-M-1	p0209	N74-28838 ° #
CONF-731205-2	p0181	N74-21901 #
CONTRIB-595	p0173	N74-27797 *
CONTRIB-1385	p0173	N74-27798*
CONTRIB-1387	p0173	N74-27797*
CONTRIB-1397	p0223	N74-27799 *
CPA-CO-08-00-0111-3	p0180	N74-21845*#
CRES-TR-243-2	p0224	N74-28868*#
CRREL-RR-315	p0201	N74-23020 #
CSIR-FIS-50		N74-25837 * #
CSR-TR-74-2	p0224	N74-28887°#

* * '	DER-RM-2	D0208 N74-26912*	E74-10489	nO213 N74-22013*#
Name	DER-RM-3	p0208 N74-26911*#	E74-10490	
Number Index Listing			E74-10491	
	E-8027	p0185 N74-28936*#	E74-10492	
NASA MICROFICHE	EPA-R2-73-289	p0184 N74-26940 #	E74-10493	
DOCUMENT SYMBOL			E74-10494	
SYMBOL	EPA-650/2-73-030	p0182 N74-22132 #	E74-10495	
<u> </u>	EPA-650/4-73-002	DO182 N/4-23189 #	E74-10496	p0188 N74-22021 *#
E74-10391	EREP-1-74A	20230 N74-28883 #	E74-10497	
	EREF-1-74A	po200 1 20000 #	E74-10498	p0170 N74-22949 .
	ERIM-31650-78-T	p0169 N74-22046*#	E74-10499	
	ERIM-31650-152-T	p0214 N74-22608*#	E74-10500	
REPORT PAGE ACCESSION	ERIM-31650-156-T	p0213 N74-22051 #	E74-10501	p0222 N74-22950*#
NUMBER NUMBER NUMBER	ERIM-31650-158-T	p0214 N74-22609*#	E74-10502	p0200 N74-22951 * #
NOMBER NOMBER	ERIM-101700-13-L	p0213 N74-22025	E74-10503	
	ERIM-101800-12-P	PO184 N/4-2///I #	E74-10504	
	ERIM-101900-28-L		E74-10505	
istings in this index are arranged alphanumeri-	ERIM-101900-32-L		E74-10506	
ally by report number. The page number in-	ERIM-102000-21-L	p0196 N74-27782*#	E74-10507	
cates the page on which the citation is located.	ERIM-102200-9-L		E74-10509	
• • •	ERIM-103300-23-L	p0181 N74-21969*#	E74-10510	
he accession number denotes the number by	ERIM-103300-25-L	p0183 N74-25847 #	E74-10511	
hich the citation is identified. An asterisk (*)	ERIM-103300-28-L	p0185 N74-28878	E74-10512	
dicates that the item is a NASA report. A	ERIM-104600-10-L		E74-10513	
ound sign (#) indicates that the item is avail-	ERIM-104600-12-L		E74-10514	
<u> </u>	ERIM-190100-25-1	p0182 N74-22022*#	E74-10515	
ble on microfiche. A plus sign (+) indicates a	ERIM-193300-46-S	p0214 N74-25840 *	E74-10516	p0207 N74-25841° # p0183 N74-25842° #
ocument that cannot be microfiched but for			E74-10518	p0189 N74-25843*
hich one-to-one facsimile is available.	ERT-P-408-F	p0200 N74-22951*#	E74-10519	p0215 N74-26858*#
men ene te ene recommo la evaluació.	ERT-P-412-6	p0208 N74-22000 #	E74-10520	p0195 N74-26859*#
	ERT-P-412-7	p0209 N74-28825 #	E74-10521	p0196 N74-26860°#
	ERT-P-412-8	p0208 N/4-2///3*#	E74-10522	p0183 N74-25844 #
	ESRO-CR(P)-352	-0212 N74-22061 #	E74-10523	p0183 N74-26861
AD-773598 p0213 N74-22085 #	ESHO-CN(F)-352	po213 1474-22001 #	E74-10524	p0215 N74-26862*#
AD-774398 p0189 N74-25902 #	E74-10437	p0199 N74-21962*#	E74-10525	p0195 N74-25845°# p0183 N74-28863°#
AD-775381p0201 N74-23020 #	E74-10438	p0212 N74-21963*#	E74-10528	p0195 N74-25846*#
AD-775407p0182 N74-22621 #	E74-10439	p0212 N74-21964*#	E74-10529	p0183 N74-25847°
AD-776104p0190 N74-25905 #	E74-10440	p0188 N74-21965*#	E74-10530	p0171 N74-25848*
AD-776888p0222 N74-25913 #	E74-10441	DU221 N74-21988	E74-10531	
AD-777436p0203 N74-27837 #	E74-10442	00200 N74-21968 4	E74-10532	
AD-777885p0223 N74-27896	E74-10444	DO181 N74-21969 * #	E74-10533	p0189 N74-25851*# p0201 N74-25852*#
AD-778790p0191 N74-28924 #	E74-10445	p0212 N74-21970 #	E74-10535	
AED-R-4011p0224 N74-28869*#	E74-10446	p0168 N74-21971*#	E74-10536	
AED-N-4011 p0224 N-4-28803 W	E74-10447	p0188 N74-21972*#	E74-10537	
AEWES-TR-M-74-2 p0182 N74-22621	E74-10448		E74-10538	p0189 N74-25856*#
, , , , , , , , , , , , , , , , , , , ,	E74-10449		E74-10539	
AFCRL-TR-73-0603p0223 N74-27896 #	E74-10450		E74-10540	
	E74-10451	00212 N74-21977 * #	E74-10541	
AIAA PAPER 74-651 p0180 A74-35906 #	E74-10453	D0205 N74-21978*	E74-10542	
AIAA PAPER 74-852	E74-10454	p0200 N74-21979 *	E74-10544	
AIAA FAFER 74-072 p0221 A74-37636 #	E74-10455	p0193 N74-21980°#	E74-10545	
AOP-2 p0184 N74-27805*#	E74-10458	p0205 N74-21981	E74-10548	
AOP-4p0182 N74-22976*#	E74-10457	p0212 N74-21982*#	E74-10547	p0184 N74-27768*#
· ·	E74-10458	00205 N/4-21983 7	E74-10548	
BM-RI-7869p0198 N74-28919 #	E74-10459	n0205 N74-21985*#	E74-10549	
	E74-10461	DO200 N74-21986 #	E74-10550	
BMPR-11p0171 N74-25848 * # /	E74-10462	p0188 N74-21987 #	E74-10551	
BMR-8p0182 N74-22022*#	E74-10463	p0226 N74-21988*#	E74-10553	
BMR-9 p0190 N74-27778*	E74-10484	p0193 N74-21989*#	E74-10554	
BMR-11p0202 N74-26864 *	E74-10465	p0194 N74-21990*#	E74-10555	p0172 N74-27769*#
BMR-12p0202 N74-26864 *	E74-10466	p0205 N74-21991*#	E74-10556	
	E74-10467 E74-10468	00194 N74-21992*#	E74-10557	p0171 N74-28866*#
BNWL-SA-4677 p0181 N74-21901 #	E74-10469	n0206 N74-21994 * #	E74-10558	
	E74-10470	p0188 N74-21995 *#	E74-10559	
CALSPAN-YB-5298-M-1p0209 N74-28838*#	E74-10471	p0206 N74-22948*#	E74-10561	
CONF-731205-2p0181 N74-21901 #	E74-10472	p0206 N74-21996*#	E74-10562	
CON-731200-2 poror 107-21001 g	E74-10473	PO181 N74-21997*#	E74-10563	p0216 N74-27774*
CONTRIB-595 p0173 N74-27797*	E74-10474	p0168 N74-21998	E74-10564	p0216 N74-27775 #
CONTRIB-1385 p0173 N74-27798*	E74-10475	puist N74-21999*#	E74-10565	p0196 N74-27776*#
CONTRIB-1387p0173 N74-27797*	E74-10478	DO168 N74-22000 #	E74-10566	
CONTRIB-1397 p0223 N74-27799*	E74-10477	DO213 N74-22001 #	E74-10567	
004 00 00 00 0444 0	E74-10479	p0200 N74-22003	E74-10569	
CPA-CO-08-00-0111-3p0180 N74-21845*#	E74-10480	p0194 N74-22004 *#	E74-10570	
CRES-TR-243-2p0224 N74-28868*#	E74-10481	p0194 N74-22005 *	E74-10572	
OUTO 144-14000 .	E74-10482		E74-10573	
CRREL-RR-315p0201 N74-23020 #	E74-10483		E74-10574	
	E74-10484		E74-10575	p0203 N74-28819*#
CSIR-FIS-50p0214 N74-25837*#	E74-10485		E74-10577	p0203 N74-28820 •
	E74-10486		E74-10578	p0191 N74-28821*#
CSR-TR-74-2p0224 N74-28887 * #	E74-10487		E74-10579	
DER-RM-1 p0183 · N74-26910*#	E74-10488		E74-10580	
DER-DM-1 PO/83 - N/4-20910 *	2.7-10-700	/ Lab		Perce 1114-20024 \$

REPORT/ACCESSION NUMBER INDEX

		ner on made a stone	· ·		
E74-10582	p0209 N74-28825* # }	MPR-12	00201 N74.25852*# I	L NASA CR 120252	
E74-10583		MPR-12		NASA-CR-138253 NASA-CR-138256	p0Z15 N74-26858*#
E74-10584		MPR-13		NASA-CR-138261	. p0170 N74-25838*#
E74-10585		MPR-13		NASA-CR-138262	. p0215 N74-26856*#
E74-10587		MPR-13		NASA-CR-138263 NASA-CR-138264	. p0201 N74-25839" #
E74-10588	p0190 N74-27778* #	MPR-14		NASA-CH-138265	. p0214 N74-25840°#
E74-10589		MPR-15	p0216 N74-27774*#	NASA-UR-138286	nO2O7 N74.258419#
E74-10591		MR-9	n0200 N74-21968* #	NASA-CR-138267NASA-CR-138268	nO189 N74.26942* #
E74-10592		MR-10	p0200 N74-21300 # p0201 N74-25853* #	NASA-CH-138269	. nO195 N74.26859*#
E74-10593		MR-11		NASA-CH-1382/U	. n0196 N74.26860*#
E74-10595		M74-37	n0181 N74 21000* #	NASA-CR-138271NASA-CR-138272	nO183 N74.26861 * #
E74-10596			po101 1174-21333 #	NASA-CH-1382/3	. nO215 N74.26862°#
E74-10597		NASA-CR-62098	p0172 N74-26876* #	NASA-CR-138275 NASA-CR-138276	. p0195 N74-25R45*#
E74-10600	p0174 N74-28835*#	NASA-CR-120216 NASA-CR-120278		NASA-CH-138277	. p0195 N74-25846*#
E74-10601	p0174 N74-28836* #	NASA-CR-129028	p0222 N74-25878* #	NASA-CR-138278	. p0183 N74-25847*#
E74-10602	p0203 N74-27786*#	NASA-CR-134243 NASA-CR-134246	p0169 N74-22046* #	NASA-CR-138279 NASA-CR-138280	. p0171 N74-25848* #
E74-10604	p0216 N74-28837* #	NASA-CR-134240		NASA-CR-138281	. p0201 N74-25850*#
E74-10605	p0209 N74-28838*#	NASA-CR-134253	p0169 N74-22050*#	NASA-CR-138282	. p0189 N74-25851*#
E74-10607	p0203 N74-28840* #	NASA-CR-134254 NASA-CR-134262		NASA-CR-138283 NASA-CR-138284	. p0201 N74-25852*# . p0201 N74-25852*#
E74-10608	p0197 N74-28841*#	NASA-CR-134263		NASA-CR-138285	. p0189 N74-25854*#
E74-10609		NASA-CR-134267	p0213 N74-22051*#	NASA-CR-138286	
E74-10611		NASA-CR-134268 NASA-CR-134303		NASA-CR-138287 NASA-CR-138288	
E74-10612		NASA-CR-134333		NASA-CR-138289	. p0171 N74-25858*#
E74-10613		NASA-CR-136866		NASA-CR-138290 NASA-CR-138291	
E74-10615	p0196 N74-27790* #	NASA-CR-136867 NASA-CR-136868		NASA-CR-138292	
E74-10616	p0210 N74-28845* #	NASA-CR-136869	p0205 N74-21993*#	NASA-CR-138293	. p0171 N74-25862*#
E74-10617	p0174 N74-27/91*#	NASA-CR-136870		NASA-CR-138294 NASA-CR-138295	
E74-10619	p0191 N74-28847*#	NASA-CR-136871 NASA-CR-136872		NASA-CR-138296	
E74-10620	p0198 N74-28848* #	NASA-CR-136873	p0206 N74-21996* #	NASA-CR-138297	. p0227 N74-25864*#
E74-10622	p0210 N74-28861* #	NASA-CR-136874 NASA-CR-136875		NASA-CR-138298 NASA-CR-138299	. p0215 N74-25865*#
E74-10623	p0230 N74-28862*#	NASA-CR-136876		NASA-CR-138300	. p0207 N74-25867*#
E74-10624 E74-10825	p0230 N/4-28863*#	NASA-CR-136877		NASA-CR-138380 NASA-CR-138392	. p0227 N74-22961*#
E74-10626	p0197 N74-27793* # [NASA-CR-136878 NASA-CR-136879		NASA-CR-138394	. p0182 N74-22973*#
E74-10627	p0216 N74-27794* #	NASA-CR-136880	p0221 N74-22008*#	NASA-CR-138398	. p0207 N74-22972*#
E74-10628 E74-10629		NASA-CR-136881		NASA-CR-138400 NASA-CR-138442	. p0170 N74-22970*#
E74-10630	pO185 N74-28866*#	NASA-CR-136882 NASA-CR-136883		NASA-CR-138443	. p0229 N74-28809* #
E74-10631	p0230 N74-28867*#	NASA-CR-136884	p0194 N74-22005*#	NASA-CR-138444	. p0209 N74-28810° #
E74-10632		NASA-CR-136885		NASA-CR-138445 NASA-CR-138446	
E74-10634	p0224 N74-28868*#	NASA-CR-136887		NASA-CR-138447	. p0171 N74-26866*#
E74-10635	p0224 N74-28869*# p0175 N74-28870*#	NASA-CR-136888		NASA-CR-138448 NASA-CR-138500	
E74-10637	p0217 N74-28871*#	NASA-CR-136889 NASA-CR-136890		NASA-CR-138512	. p0201 N74-25884*#
E74-10638		NASA-CR-136891	. p0194 N74-22014*#	NASA-CR-138586	. p0190 N74-27362*#
E74-10640	p0210 N74-28874* #	NASA-CR-136892 NASA-CR-136893		NASA-CR-138602 NASA-CR-138624	p0228 N74-26875*#
E74-10641	p0230 N74-28875* #	NASA-CR-136894		NASA-CR-138634	p0184 N74-27771*#
E74-10642		NASA-CR-136898		NASA-CR-138635 NASA-CR-138636	
E74-10645	p0185 N74-28878* #	NASA-CR-136899 NASA-CR-136902		NASA-CR-138637	. p0208 N74-27773*#
E74-10646		NASA-CR-136903	. p0170 N74-22949*#	NASA-CR-138638	p0216 N74-27774*#
E74-10648		NASA-CR-136904 NASA-CR-136905		NASA-CR-138639 NASA-CR-138640	p0216 N/4-2///5*# p0196 N74-27/76*#
E74-10649	p0224 N74-28882* #	NASA-CR-136906		NASA-CR-138641	p0202 N74-27777*#
E74-10650		NASA-CR-136907	. p0200 N74-22951*#	NASA-CR-138642 NASA-CR-138644	
E74-10652	p0191 N74-28885* #	NASA-CR-137416 NASA-CR-137421		NASA-CR-138645	p0174 N74-28813*#
E74-10653	p0204 N74-28886*#	NASA-CR-137422	p0212 N74-21964*#	NASA-CR-138646	p0223 N74-28815*#
FHWA-RDDP-1-1	p0189 N74-23032 #	NASA-CR-137423		NASA-CR-138647 NASA-CR-138671	p019/ N/4-28816*#
	. "	NASA-CR-137424 NASA-CR-137425		NASA-CR-138678	p0216 N74-28817*#
FS-1-8	pU171 N74-25868*#	NASA-CR-137426	. p0200 N74-21968*#	NASA-CR-138679 NASA-CR-138680	p0197 N74-28818* #
FSTC-HT-23-1266-72	p0190 N74-25905 #	NASA-CR-137433 NASA-CR-137434		NASA-CR-138682	p0203 N74-28820*#
FTD-HT-23-912-74	D0222 N74 25012 #	NASA-CR-137435	. p0168 N74-21971*#	NASA-CR-138683	p0191 N74-28821*#
F10-11-23-312-74	POZZZ N14-25913 #	NASA-CR-137436 NASA-CR-137438	. p0188 N74-21972* #	NASA-CR-138884 NASA-CR-138685	pU191 N/4-28822*# pO209 N74-28823*#
FTD-MT-24-775-73	pO189 N74-25902 #	NASA-CR-137439	. p0181 N74-21975*#	NASA-CR-138686	p0184 N74-28824*#
GPO-31-032	n0227 N74-23502 #	NASA-CR-137440	. p0226 N74-21976*#	NASA-CR-138687 NASA-CR-138688	p0209 N74-28825*#
GPO-31-543		NASA-CR-137441 NASA-CR-137442		NASA-CR-138689	p0104 N74-28827 #
H 500 00 000	-0007 1174 00400 #	NASA-CR-137443	. p0200 N74-21979*#	NASA-CR-138690	p0174 N74-28828*#
H-DOC-93-283	PU22/ N/4-26406 #	NASA-CR-137444 NASA-CR-137445		NASA-CR-138691 NASA-CR-138692	p0174 N74-28829*# n0191 N74-28847*#
IBM-73W-00387		NASA-CR-137446		NASA-CR-138693	p0190 N74-27778*#
IBM-74W-00175	p0208 N74-27813*#	NASA-CR-137447	. p0205 N74-21983* #	NASA-CR-138698	p0209 N74-28831*#
IGPP-1247-37	p0223 N74-27896 #	NASA-CR-137448 NASA-CR-137449	. pU221 N74-21984* # . pO205 N74-21986* #	NASA-CR-138699 NASA-CR-138700	p0203 N74-28833*#
IBBC 62010	-0207 N74 25274 "	. NASA-CR-137450	. p0200 N74-21986*#	NASA-CR-138701	p0174 N74-28834°#
JPRS-62019		NASA-CR-137451	. p0188 N74-21987*#	NASA-CR-138702 NASA-CR-138703	p0208 N74-27779*#
JPRS-62251	p0216 N74-27814 #	NASA-CR-137452 NASA-CR-137453	. p0220 N/4-21988*# . p0193 N74-21989*#	NASA-CR-138704	p0190 N74-27781°#
JPRS-62306	p0210 N74-29051 #	NASA-CR-137459	. p0172 N74-26904*#	NASA-CR-138705	p0196 N74-27782*#
JSC-S-395	p0217 N74-28896*#	NASA-CR-137461	. p0215 N74-26899*#	NASA-CR-138706 NASA-CR-138707	p0190 N/4-27783*# p0202 N74-27784*#
		NASA-CR-138090 NASA-CR-138091		NASA-CR-138709	
LEC-1711		NASA-CR-138135	p0226 N74-22026*#	NASA-CR-138710	p0174 N74-28836*#
LEC-3175	p0169 N74-22053*#	NASA-CR-138145 NASA-CR-138173		NASA-CR-138711	
MPR-6	nO171 N74-25959*#	NASA-CR-138177	. p0180 N74-21845*#	NASA-CR-138712 NASA-CR-138713	
MPR-7		NASA-CR-138230 NASA-CR-138231	. p0195 N74-22954* #	NASA-CR-138714	
MPR-11	p0200 N74-21986*#	NASA-CR-138231 NASA-CR-138232		NASA-CR-138715	
MPR-11		NASA-CR-138233		NASA-CR-138716	
		•			

REPORT/ACCESSION NUMBER INDEX

			•			•		
NASA-CR-138717	DO197	N74-28841*#	NOAA-TR-NESS-69	p0201	N74-25870 #	TID-3338	nO223 N74-2789	1 #
NASA-CR-138718					*			
NASA-CR-138719			NOO-TR-245	p0203	N74-28072* #	TM-190100-21-R	p0169 N74-22050	o• #
NASA-CR-138720			NOTE TO SEE	-0101	N24 20024 #	TD 6000 4 4	*****	
NASA-CR-138721			NRTC-73-51R	pulai	N/4-28924 #	TR-C200-4 41	pU2U4 N74-28884	4- #
NASA-CR-138722			ORSER-SSEL-TR-9-74	p0216	N74-28817* #	TR-O-73-3	p0213 N74-2208	5 #
NASA-CR-138723	p0196	N74-27789* #			-			-
NASA-CR-138724	p0196	N74-27790*#	OWRR-A-025-TENN(1)	p0208	N74-26941 #	TR-74-11	p0191 N74-2888	5°#
NASA-CR-138725	p0210	N74-28845°#	OWRR-A-064-MONT(1)	p0207	N74-23030 #	TR-2230-14-1	p0169 N74-2203	2 - #
NASA-CR-138728	p0228	N74-27791*#	OWRR-B-062-UTAH(2)	n0170	N74-23031 #	TRW-NOTE-74-FMT-939	00215 N74-26711	3 * #
NASA-CR-138727 NASA-CR-138730	p01/4	N74-28848 #			,		poz. 0 20,	- #
NASA-CR-138731	p0130	N74-28849 #	PB-226082/6			TRW-25990-H028-RO-00	p0215 N74-26713	3°#
NASA-CR-138732	p0210	N74-28861° #	PB-226265/7GA			nen 4	0.20 1/24 0000	
NASA-CR-138734	p0230	N74-28863*#	PB-226438/0GA PB-226777/1			UR-RSP-1		
NASA-CR-138735 NASA-CR-138736			PB-227242/5	p0170	N74-23031 #	UR-RSP-3		
NASA-CR-138737			PB-227276/3	p0189	N74-23032 #	UR-RSP-4	p0215 N74-2693	1 🥻
NASA-CR-138738			PB-227347/2	p0182	N74-23189 #	UR-RSP-5	p0228 N74-2693	2 #
NASA-CR-138739	p0174	N74-28865*#	PB-227861/3 PB-227834/9	p0169	N74-227/0 #	UR-RSR-1	-0215 N74 26051	
NASA-CR-138740	p0185	N74-28866* #	PB-227835/6	p0184	N74-26943 #	UR-RSR-2	p0215 N74-2695	5 # 6 #
NASA-CR-138741 NASA-CR-138742	nO173	N74-20007 #	PB-227846/3	p0208	N74-26941 #	UR-RSR-3	p0228 N74-2693	3 #
NASA-CR-138743	p0203	N74-27801* #	PB-228105/3					
NASA-CR-138748	p0184	N74-27805*#	P8-228689/6	p0198	N74-28919 #	USGS-CIRC-693	p0223 N74-2782	5#
NASA-CR-138749	p0228	N74-27806*#	PHL-1974-05-PT-3	p0171	N74-25961 #	USGS-D0-74-001	n0228 N74.2784	9 #
NASA-CR-138770 NASA-CR-138775	nO208	N74-26910*#		,		USGS-D0-74-002	p0169 N74-22776	ó #
NASA-CR-138776	p0208	N74-26911*#	PR-1					-
NASA-CR-138779	p0196	N74-26907*#	PR-2			USGS-INF-74-2	p0198 N74-28898	8#
NASA-CR-138806	p0173	N74-27804* #	PR-3	p0230	N74-20003 #	WRL-10653-4-F	nO215 N74.2890	9* #
NASA-CR-138807 NASA-CR-138808	pU1/4	N74-2883U*#	PR-7				POLIO 11/7-2003	- #
NASA-CR-138809			PR-8	p0171	N74-25868*#	W74-03772	p0170 N74-2303	1 #
NASA-CR-138810	p0175	N74-28870* #	PR-9	p0221	N74-22008* #	V 401 72 222 VOL 4	-0000 1100 000	
NASA-CR-138811	p0217	N74-28871* #	PR-10	p0184	N74-28826* # ·	X-401-72-332-VOL-1 X-590-73-251		
NASA-CR-138812 NASA-CR-138813	pU175	N74-28872"#	PR-12	p0174	N74-28835* #	X-590-73-251		
NASA-CR-138814			PR-13	p0188	N74-21972*#	X-910-74-20	p0221 N74-2211	5*#
NASA-CR-138823			PR-13			X-910-74-186	p0203 N74-28073	2*#
NASA-CR-138824	p0175	N74-28876*#	PR-14			X-911-74-60	p0201 N74-25880	B*#
NASA-CR-138826	p0185	N74-28877*#	PR-15			X-913-74-113X-913-74-125	DOZOG N74-2205	0 4
NASA-CR-138827 NASA-CR-138859	nO217	N74-200/6 # N74-28879*#	PR-15	p0175	N74-28876* #	X-932-74-90	p0188 N74-2205	8* #
NASA-CR-138860	p0175	N74-28880* #	PR-16				•	
NASA-CR-138861	p0175	N74-28881* #	PR-16	p0191	N74-28822* #			
NASA-CR-138862			PRWG103-1	n0170	N74-23031 #		•	
NASA-CR-138863 NASA-CR-138864				p00				
NASA-CR-138865			QPR-2					
NASA-CR-138885	p0175	N74-28892*#	QPR-3					
NASA-CR-139024			QPR-3					
NASA-CR-139028 NASA-CR-139031			QPR-4					
NA3A-CR-133031	p0200	1474-27013 #	QPR-4	p0194	N74-21990* #			
NASA-TM-X-69902-VOL-1	p0227	N74-22890* #	QPR-4	p0206	N74-22000* #			
NASA-TM-X-69902-VOL-2			QPR-4					
NASA-TM-X-69910			QPR-4					
NASA-TM-X-70009 NASA-TM-X-70107			QPR-5				`	
NASA-TM-X-70108			QPR-5	p0208	N74-27773* #			
NASA-TM-X-70109			QPR-5				1	
NASA-TM-X-70110	p0231	N74-28908* #	UFN-9	poisi	N74-20010 #		1	
NASA-TM-X-70111 NASA-TM-X-70112	p0231	N74-28909*#	QR-4	p0196	N74-27782* #		,	
NASA-TM-X-70120	p0231	N74-28910* +	QR-5	p0208	N74-27779* #			
NASA-TM-X-70121	p0231	N74-28902* +	REPT-6	-0190	N74 25042* #			
NASA-TM-X-70122			REPT-74-1	p0195	N74-23955* #			
NASA-TM-X-70123 NASA-TM-X-70124			REPT-74-3	p0195	N74-22954* #			
NASA-TM-X-70125	p0231	N74-28901* +	REPT-74-4	p0195	N74-22957*#			
NASA-TM-X-70126	p0229	N74-28807* +	REPT-74-5	p0214	N74-22956*#			
NASA-TM-X-70127 NASA-TM-X-70128			REPT-2263-3					
NASA-TM-X-70129			REPT-2266-9	p0212	N74-21982* #			
NASA-TM-X-70132	p0229	N74-28804* +	REPT-2266-10					
NASA-TM-X-70133	p0229	N74-28803* +	REPT-010653-2-L	pU172	N/4-26904*#			
NASA-TM-X-70134 NASA-TM-X-70136			S/AI/5E	p0172	N74-26928 #			
NASA-TM-X-70138			S/AI/7E	p0215	N74-26955 #			
NASA-TM-X-70152	p0181	N74-21973*#	S/AI/8E	p0216	N74-26956 #			
NASA-TM-X-70206			S/AI/14E S/AI/15E	pU1/2	N74-20929 #			
NASA-TM-X-70632 NASA-TM-X-70633			S/AI/16E	p0215	N74-26931 #			
NASA-TM-X-70633			S/AI/27E	p0228	N74-26933 #			
NASA-TM-X-70643	p0200	N74-22059*#	S/AI/73	p0228	N74-26932 #			
NASA-TM-X-70649			SAI-73-625-LJ	n0212	N74.21977*#			
NASA-TM-X-70670 NASA-TM-X-70682				•	•			i
NASA-TM-X-70692			SAO-SPECIAL-REPT-353	p0190	N74-27362* #			1
NASA-TM-X-71577			540 211 002	-0				1
	-	"	SAO-311-002	p0190	N74-27362* #			
NASA-TN-D-7730	p0217	N74-28896*#	SAPR-1	DO182	N74-22973* #			
NASA-TT-F-15409	nO184	N74-27391*#	SAPR-4	p0230	N74-28875* #			
NASA-TT-F-15665								
NASA-TT-F-15683	p0228	N74-27870* #	SASR-13	p0190	N74-26869*#			
NASA-TT-F-15685			CCE42 12BC	_0	1174 000000 "			
NASA-TT-F-15690	DU/22	N/4-25891*#	SC543.12PR	p0195	N/4-26859*#			
		<i>"</i> I						
NISC-TRANS-3481	-	N74-27837 #		-0222	N74 27806 #			
NISC-TRANS-3481	p0203	" I	SR-1					
	p0203	" I						
NISC-TRANS-3481	p0203 p0227	N74-25898 #	SR-1	p0206	N74-22016* #			

1. Report No. NASA SP-7041 (03)	2. Government Access	ion No.	3. Recipient's Catalog	No.
4. Title and Subtitle			5. Report Date	
EARTH RESOURCES: A Conti	nuina Riblica	ranhy	May 1975	···
	dexes (Issue		6. Performing Organiz	ration Code
7. Author(s)			8. Performing Organiz	ation Report No.
O Defending Considerable Allege and Address			10. Work Unit No.	
9. Performing Organization Name and Address				
National Aeronautics and S Washington, DC 20546	Space Adminis	tration	11. Contract or Grant	No.
		-	13. Type of Report an	d Period Covered
12. Sponsoring Agency Name and Address			Type of neport an	C VELICU COVERED
		}-	14. Sponsoring Agency	Code
			op and only	
15. Supplementary Notes		<u></u>	· · · · · · · · · · · · · · · · · · ·	
				;
				·
16. Abstract		·		
				/
				/
This bibliography l	ists 472 repo	orts, articles	and other	
documents introduce	d into the NA	SA scientific a	nd technical	
information system	between July	1974 and Septem	ber 1974.	
Emphasis is placed	on the use of	remote sensing	and geo-	
physical instrument	ation in spac	ecraft and airc	raft to	
survey and inventor	y, natural re	sources and urb	an areas.	i
Subject matter is g	rouped accord	ling to agricult	ure and	
forestry, environme geodesy and cartogr	anhy deology	and cultural re	sources,	
oceanography and ma	rine resource	e hydrology an	sources,	
management, data pr	ocessing, and	distribution s	vstems	
instrumentation and	sensors, and	economic analy	sis.	
		·		
17. Key Words (Suggested by Author(s))		18. Distribution Statement		7
Bibliographies	•			
Earth Resources Program		Unclassifie	d - Unlimited	1
Remote Sensors				
19. Security Classif. (of this report)	20. Security Classif. (c	f this page)	21. No. of Pages	22. Price*
Unclassified	Unclassif		100	

PUBLIC COLLECTIONS OF NASA DOCUMENTS

DOMESTIC

NASA distributes its technical documents and bibliographic tools to ten special libraries located in the organizations listed below. Each library is prepared to furnish the public such services as reference assistance, interlibrary loans, photocopy service, and assistance in obtaining copies of NASA documents for retention.

CALIFORNIA

University of California, Berkeley

COLORADO

University of Colorado, Boulder

DISTRICT OF COLUMBIA

Library of Congress.

GEORGIA

Georgia Institute of Technology, Atlanta

ILLINOIS

The John Crerar Library, Chicago

MASSACHUSETTS

Massachusetts Institute of Technology, Cambridge

MISSOUR

Linda Hall Library, Kansas City

NEW YORK

Columbia University, New York

PENNSYLVANIA

Carnegie Library of Pittsburgh

WASHINGTON

University of Washington, Seattle

NASA publications (those indicated by an "*" following the accession number) are also received by the following public and free libraries:

CALIFORNIA

Los Angeles Public Library San Diego Public Library

COLORADO

Denver Public Library

CONNECTICUT

Hartford Public Library

MARYLAND

Enoch Pratt Free Library, Baltimore

MASSACHUSETTS

Boston Public Library

MICHIGAN

Detroit Public Library

MINNESOTA

Minneapolis Public Library

MISSOURI

Kansas City Public Library St. Louis Public Library

NEW JERSEY

Trenton Public Library

NEW YORK

Brooklyn Public Library

Buffalo and Erie County Public Library

Rochester Public Library

New York Public Library

OHIO

Akron Public Library

Cincinnati Public Library

Cleveland Public Library

Dayton Public Library

Toledo Public Library

OKLAHOMA

Oklahoma County Libraries, Oklahoma City

TENNESSEE

Memphis Public Library

TEXAS

Dallas Public Library

Fort Worth Public Library

WASHINGTON

Seattle Public Library

WISCONSIN

Milwaukee Public Library

An extensive collection of NASA and NASA-sponsored documents and aerospace publications available to the public for reference purposes is maintained by the American Institute of Aeronautics and Astronautics, Technical Information Service, 750 Third Avenue, New York, New York, 10017.

EUROPEAN

An extensive collection of NASA and NASA-sponsored publications is maintained by the British Library Lending Division, Boston Spa, Wetherby, Yorkshire, England. By virtue of arrangements other than with NASA, the British Library Lending Division also has available many of the non-NASA publications cited in *STAR*. European requesters may purchase facsimile copy of microfiche of NASA and NASA-sponsored documents, those identified by both the symbols "#" and "*", from: ESRO/ELDO Space Documentation Service, European Space Research Organization, 114, av. Charles de Gaulle, 92200 Neuilly-sur-Seine, France.

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

100

SPECIAL FOURTH CLASS MAIL Book



POSTMASTER:

If Undeliverable (Section 158 Postal Manual) Do Not Return

NASA CONTINUING BIBLIOGRAPHY SERIES

NUMBER	TITLE	FREQUENCY
NASA SP7011	AEROSPACE MEDICINE AND BIOLOGY	Monthly
	Aviation medicine, space medicine, and space biology	
NASA SP7037	AERONAUTICAL ENGINEERING	Monthly
	Engineering, design, and operation of aircraft and aircraft components	
NASA SP7039	NASA PATENT ABSTRACTS BIBLIOGRAPHY	Semiannually
	NASA patents and applications for patent	
NASA SP-7041	EARTH RESOURCES	Quarterly
	Remote sensing of earth resources by aircraft and spacecraft	
NASA SP-7043	ENERGY	Quarterly
	Energy sources, solar energy, energy conversion, transport, and storage	
NASA SP-7500	MANAGEMENT	Annually
	Program, contract, and personnel management, and management techniques	

Details on the availability of these publications may be obtained from:

SCIENTIFIC AND TECHNICAL INFORMATION OFFICE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Washington, D.C. 20546