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E83-10019

AP-L2-04116

Fifth Edition

AgRISTARS

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A Joint Program for
Agriculture and
Resources Inventory
Surveys Through
Aerospace
Remote Sensing

AgRISTARS Program Documentation

June 1982

AgRISTARS DOCUMENTS TRACKING LIST REPORT

(E83-10019) AGRISTARS DOCUMENTS TRACKING
LIST REPORT (Lockheed Engineering and
Management) 90 p HC A05/MF A01 CSCI 05E

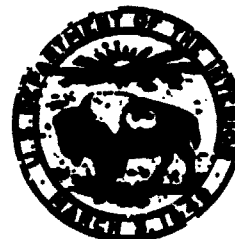
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Lockheed Engineering and Management
Services Company, Inc.



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AgRISTARS DOCUMENTS TRACKING LIST REPORT

Job Order 70-223

This report lists all documents that have been published in support
of the AgRISTARS program.


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Under Contract NAS 9-15800

For

Earth Resources Program Management Office

Space and Life Sciences Directorate

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

LYNDON B. JOHNSON SPACE CENTER

HOUSTON, TEXAS

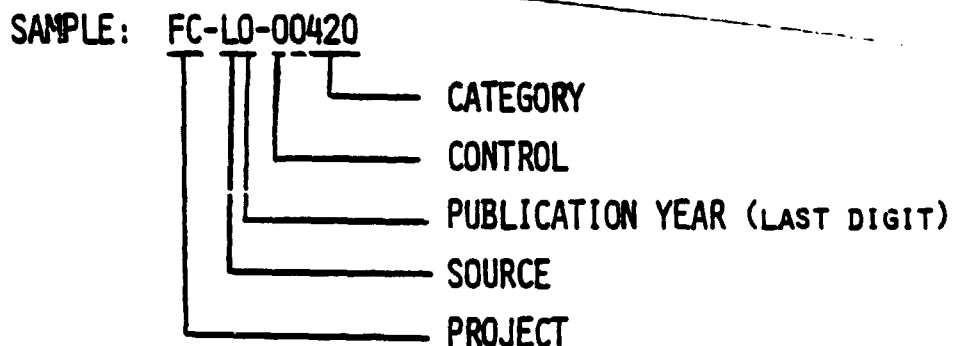
JUNE 1982

PREFACE

The AgRISTARS Document Tracking List Report provides a quarterly listing of those documents and related publications that have been issued and placed in the AgRISTARS tracking system.

The Tracking List Report provides a catalog, by project, of technical publications arranged by type of document and gives the reference AgRISTARS document numbers, title and date of publication, the issuing organization, and the National Technical Information Service (NTIS) reference number.

Identification/Coding System:



- Project Listing:
- AP - AgRISTARS Program Documentation
 - EW - Early Warning and Crop Condition Assessment
 - *FC - Foreign Commodity Production Forecasting
 - IT - Inventory Technology Development
 - YM - Yield Model Development
 - SR - Supporting Research
 - SM - Soil Moisture
 - DC - Domestic Crops/Land Cover
 - RR - Renewable Resources Inventory
 - CP - Conservation and Pollution
 - MU - Multiple (pertaining to two or more projects)

*As of January 19, 1982, the Foreign Commodity Production Forecasting project's name and objectives were changed. The new name is Inventory Technology Development (ITD).

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Source Listing:

- A - University of Arkansas, Fayetteville, Arkansas
- B - University of California at Berkeley
- C - University of California Davis Campus
- D - Duke University, Durham, NC
- E - ERIM
- F - Ford Aerospace
- G - Goddard Space Flight Center
- H - University of Houston
- I - IBM
- J - JSC/NASA-Houston
- K - Kansas University (Lawrence, Kansas)
- L - Lockheed
- M - Kansas State University, Manhattan, Kansas
- N - NOAA-Houston
- O - South Dakota State University
- P - Purdue University
- Q - Massachusetts Institute of Technology (Cambridge, MA)
- R - Beltsville Agricultural Research Center (BARC)
- S - University of California Santa Barbara
- T - TAMU (Texas A&M University)
- U - USDA-Houston
- V - University of Washington (Pullman, VA)
- W - George Washington University (Washington, DC)
- X - Elogic
- Y - NASA/NSTL - Earth Resources Laboratory (Mississippi)
- Z - NASA Langley Research Center (Hampton, VA)
- 1 - USDA (Columbia, Missouri)
- 2 - Montana State University (Bozeman, MT)
- 3 - Kentron International, Hampton, VA

Control Codes:

- C - Baseline Documents
- O - Open Distribution Documents
- R - Restricted Distribution
- T - Tracking Purposes Only

TABLE OF CONTENTS

<u>PROJECTS/CATEGORY</u>	<u>CATEGORY NO.</u>	<u>PAGE NO.</u>
AgRISTARS PROGRAM DOCUMENTATION (AP)		
- Technical Reports	...00400	AP-1
- Plans	...00600	AP-2
EARLY WARNING AND CROP CONDITION ASSESSMENT (EW)		
- Instructions	...00100	EW-1
- Technical Reports	...00400	EW-2
- Plans	...00600	EW-5
- Procedures	...00700	EW-6
- Unnumbered Documents	...00900	EW-8
INVENTORY TECHNOLOGY DEVELOPMENT (ITD)		
- Task Descriptions	...00300	IT-1
- Technical Reports	...00400	IT-2
- Minutes	...00500	IT-7
- Plans	...00600	IT-8
- Procedures	...00700	IT-10
- Unnumbered Documents	...00900	IT-11
YIELD MODEL DEVELOPMENT (YM)		
- Instructions	...00100	YM-1
- Technical Reports	...00400	YM-2
- Plans	...00600	YM-3
- Procedures	...00700	YM-4
- Unnumbered Documents	...00900	YM-5
SUPPORTING RESEARCH (SR)		
- Requirements	...00200	SR-1
- Task Description	...00300	SR-2
- Technical Reports	...00400	SR-3
- Minutes	...00500	SR-15
- Plans	...00600	SR-16
- Procedures	...00700	SR-17
- Unnumbered Documents	...00900	SR-18
SOIL MOISTURE (SM)		
- Instructions	...00100	SM-1
- Technical Reports	...00400	SM-2
- Plans	...00600	SM-5
- Technical Translations	...00800	SM-6
- Unnumbered Documents	...00900	SM-7
DOMESTIC CROPS/LAND COVER (DC)		
- Technical Reports	...00400	DC-1
- Plans	...00600	DC-2
- Unnumbered Documents	...00900	DC-3
RENEWABLE RESOURCES INVENTORY (RR)		
- Technical Reports	...00400	RR-1
- Unnumbered Documents	...00900	RR-2
CONSERVATION AND POLLUTION (CP)		
- Technical Reports	...00400	CP-1
- Plans	...00600	CP-2
- Unnumbered Documents	...00900	CP-3

AgRISTARS PROGRAM DOCUMENTATION (AP)

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Houston, Texas 77058**

FTS 525-4776

<u>DOCUMENT NOS.</u>	<u>TITLE</u>
AP-J0-04111	AgRISTARS Annual Report (1980)
AP-L1-04116 First Edition	AgRISTARS Documents Tracking List (February 1981)
AP-L1-04116 Second Edition	AgRISTARS Documents Tracking List Report (June 1981) (Feb.-March-April-May 1981)
AP-L1-04116 Third Edition	AgRISTARS Documents Tracking List Report (Through September 1981)
AP-L2-04116 Fourth Edition	AgRISTARS Documents Tracking List Report (Through March 1982)
AP-L2-04116 Fifth Edition	AgRISTARS Documents Tracking List Report (Through June 1982)
AP-J2-04225	AgRISTARS Annual Report - Fiscal Year 1981 (January 1982)

PROJECT: AP

PLANS - 00600

DOCUMENT NOS.

TITLE

AP-J0-C0628
JSC-17153

AgRISTARS Technical Program Plan (January 15, 1980)

AP-J0-C0628-1
JSC-17153

AgRISTARS Technical Program Plan - Appendix B - Data
Management Plan - Volume I (April 11, 1980)

AP-L1-C0630
JSC-17158

AgRISTARS Data Management Plan (May 1981)

AP-J9-C0631
JSC-17395

AgRISTARS Technical Program Plan (April 20, 1979)

AP-J0-C0632
JSC-17396

Management/Organization Plan (January 15, 1980)

EARLY WARNING AND CROP CONDITION ASSESSMENT (EW)

**G. O. Boatwright, Project Manager
USDA/SEA
1050 Bay Area Blvd.
Houston, Texas 77058
Phone: FTS 525-5244**

PROJECT: EARLY WARNING AND CROP CONDITION ASSESSMENT (EW)

INSTRUCTIONS - 00100

DOCUMENT NOS.

TITLE

MU-JO-0101
JSC-16842

NTIS: 82N19628. Soil Moisture/Early Warning and Crop
Condition Assessment Interface Control Document (August 1980)

MU-JO-0102
JSC-16843

Yield Model Development/Early Warning and Crop Condition
Assessment Interface Control Document (August 1980)

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PROJECT: EW

REPORTS - 00400

<u>DOCUMENT NOS.</u>	<u>TITLE</u>
EW-N1-04042 JSC-17112	NTIS: 81N31596. Meteorological Satellite Data - A Tool to Describe the Health of the World's Agriculture (February 1981)
EW-U1-04052 JSC-17118	NTIS: 81N28496. Hand-Held Radiometry - A Set of Notes Developed for Use at the Workshop on Hand-Held Radiometry (October 1980)
EW-U1-04068 JSC-17125	NTIS: 81429500. Soil Moisture Inferences from Thermal Infrared Measurements of Vegetation Temperatures (March 1981)
EW-U1-04074 JSC-17130	NTIS: 81N28497. Large Area Application of a Corn Hazard Model (March 1981)
EW-N1-04075 JSC-17131	NTIS: 81N29506. The Characteristics of TIROS, GOES, DMSP, and Landsat Systems (March 1981)
EW-N1-04076 JSC-17132	NTIS: 81N29505. The Environmental Vegetative Index - A Tool Potentially Useful for Arid Land Management (March 1981)
EW-U1-04077 JSC-17133	NTIS: 81N33566. Canopy Temperature As A Crop Water Stress Indicator (March 1981)
EW-L1-04101 JSC-17251 LEMSCO-16204	NTIS: 82N21635. Registration Verification of SEA/AR Fields (May 1981)
EW-U1-04103 JSC-17143	Plant Cover, Soil Temperature, Freeze, Water Stress, and Evapotranspiration Conditions (February 1981)
EW-N1-04104 JSC-17144	NTIS: 82N22588. Utilization of Meteorological Satellite Imagery for World-wide Environmental Monitoring: The Lower Mississippi River Flood of 1979 (May 1981)
EW-U1-04115 JSC-17157	NTIS: 82N22589. Environmental Factors During Seed Development and Their Influence on Pre-Harvest Sprouting in Wheat (May 1981)
EW-U1-04119 JSC-17399	A Meteorological Driven Maize Stress Indicator Model (July 1981)
EW-21-04124 NAS 9-16007	NTIS: 82N22544. Review of Literature Relating to the Modeling of Soil Temperature Based on Meteorological Factors (July 1981)
EW-L1-04134 JSC-17413 LEMSCO-16844	NTIS: 82N21657. A Look At the Commonly Used Landsat Vegetation Indices (October 1981)

ORIGINAL PAGE IS
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PROJECT: EW

REPORTS - 00400

DOCUMENT NOS.

TITLE

EW-U1-04144 JSC-17420	Airborne Observed Solar Elevation and Row Direction Effects on the Near-IR/Red Ratio of Cotton (August 1981)
EW-R1-04147	Agricultural Research Service Research Highlights in Remote Sensing for Calendar Year 1980 (July 1981)
EW-J1-04150 JSC-17424	NTIS: DA22592. An Empirical, Graphical, and Analytical Study of the Relationships Between Vegetative Indices (October 1981)
EW-U1-04185 T-4629H	Predicting the Timing and Potential of the Spring Emergence of Overwintered Populations of Heliothis Spp (April 1981)
EW-L1-04190 JSC-17437 LEMSCO-17312	Area Estimation of Environmental Phenomena from NOAA-n Satellite Data (October 1981)
EW-U1-04208 JSC-17797	A Meteorologically Driven Grain Sorghum Stress Indicator Model (November 1981)
EW-U1-04212 JSC-17801	Evaluation of the Doraiswamy-Thompson Winter Wheat Crop Calendar Model Incorporating a Modified Spring Restart Sequence (November 1981)
EW-L1-04215 JSC-17803 LEMSCO-17262	Two-Channel Metsat to Universal Format Conversion Program (MET2CH2UF) User's Guide (December 1981)
EW-L1-04216 JSC-17804 LEMSCO-17331	Program RAWPLT User Guide: Plotting of Landsat, Sun-Angle, and Atmospheric - Corrected Data Versus Acquisition Date (April 1982)
EW-L2-04223 JSC-17809 LEMSCO-17544	A Review of Remote Sensing and Grasslands Literature (February 1982)
EW-U2-04243 JSC-17817	Increase of Cold Tolerance in Cotton Plant (<u>Gossypium Hirsutum L.</u>) by Mepiquat Chloride (February 1982)
EW-U2-04244 JSC-17818	Reflectance Measurements of Cotton Leaf Senescence Altered by Mepiquat Chloride (February 1982)
EW-L2-04248 JSC-17821 LEMSCO-17307	Preliminary Study for Correlation of Meteorological Satellite Opening (METSAT) Data With Landsat Data (March 1982)
EW-U2-04250 JSC-17823	Reflectance Differences Between Target and Torch Rape Cultivars (March 1982)

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PROJECT: EW

REPORTS - 00400

DOCUMENT NOS.

TITLE

EW-U2-04251 JSC-17824	Leaf Reflectance - Nitrogen - Chlorophyll Relations Among Three So. Texas Woody Rangeland Plant Species (February 1982)
EW-U2-04252 JSC-17825	Reflectance of Litter Accumulation Levels at 0.5 to 2.5um Waveband (March 1982)
EW-U2-04253 JSC-17826	Optical Parameters of Leaves of Weed Species (March 1982)
EW-U2-04254 JSC-17827	Use of Landsat 2 Data Technique to Estimate Silverleaf Sunflower Infestation (February 1982)
EW-J2-04276 JSC-17822	Semi-Annual Program Review Presentation to Level 1, Interagency Coordination Committee (April 19, 1982)
EW-U2-04298 JSC-18241	Determination of Growth and Water Stress in Wheat by Various Vegetation Indices Through a Clear and a Turbid Atmosphere (May 1982)
EW-L2-04303 JSC-18243 LEMSCO-17383	Advanced Very High Resolution Radiometer (AVHRR) Data Evaluation for Use in Monitoring Vegetation, Volume I - Channels 1 and 2 (May 1982)
EW-U2-04319 JSC-18254	Influence of Environmental Factors During Seed Development and After Full-Ripeness on Pre-Harvest Sprouting in Wheat (June 1982)
EW-U2-04320 JSC-18255	Estimating Total Standing Herbaceous Biomass Production with Landsat MSS Digital Data (June 1982)
EW-U2-04327 JSC-18258	Winter Wheat Stand Density Determination and Yield Estimates from Handheld and Airborne Scanners (June 1982)
EW-U2-04328 JSC-18259	Optical Parameters of Leaves of Seven Weed Species (June 1982)
EW-T2-04329 NAS 9-16556	"Semi-Annual Progress Report Development of An Early Warning System of Crop Moisture Conditions Using Passive Microwave" (April 1982)

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PROJECT: EW

PLANS - 00600

DOCUMENT NOS.

TITLE

EW-J0-C0617
JSC-16852

Early Warning/Crop Condition Assessment Project
Implementation Plan (1980)

EW-J1-C0622
JSC-16862

Early Warning/Crop Condition Assessment Project
Implementation Plan (1981)

EW-U1-C0649
JSC-17800

Early Warning/Crop Condition Assessment Project
Implementation Plan (1982)

PROJECT: EW

PROCEDURES - 00700

DOCUMENT NOS.

TITLE

EW-U1-00700 JSC-16367	Program Development and Maintenance Standards (June 1980)
EW-LO-00701 JSC-16373 LEMSCO-15325	NTIS: 81N13433. Limited Area Coverage/High Resolution Picture Transmission LAC/HRPT, User's Manual Tape Conversion Processor (June 1980)
EW-LO-00702 JSC-16374 LEMSCO-15326	NTIS: 81N13428. Limited Area Coverage/High Resolution Picture Transmission, LAC/HRPT, IJ Grid Pixel Extraction Processor User's Manual (June 1980)
EW-LO-00703 JSC-16375 LEMSCO-15327	NTIS: 81N13429. Limited Area Coverage/High Resolution Picture Transmission, LAC/HRPT, Vegetation Index Calculation Processor User's Manual (June 1980)
EW-LO-00704 JSC-16381 LEMSCO-15356	NTIS: 81N13417. Tape Merge/Crop Processor (August 1980)
EW-LO-00705 JSC-16382 LEMSCO-15357	NTIS: 81N13430. EROS to Universal Tape Conversion Processor (August 1980)
EW-LO-00706 JSC-16821 LEMSCO-15608	NTIS: 81N29501. Conversion of SPU-Universal Disk File to JSC-Universal Tape Storage CONVRT User's Guide (September 1980)
EW-LO-00707 JSC-16833 LEMSCO-15692	NTIS: 81N21418. Patch Image Processor User's Manual (October 1980)
EW-LO-00708 JSC-16854 LEMSCO-15114	Skip Subsampling Processor User's Manual (November 1980)
EW-L1-00709 JSC-16855 LEMSCO-15119	NTIS: 82N22541. Computer Program Documentation For the Patch Subsampling Processor (January 1981)
EW-L1-00711 JSC-17114	NTIS: 82N19607. Wheat Stress Indicator Model, Crop Condition Assessment Division (CCAD) Data Base Interface Drives, User's Manual (February 1981)
EW-L1-00713 JSC-17117	NTIS: 85N15492. Winterkill Indicator Model, Crop Condition Assessment Division (CCAD) Data Base Interface Driver, User's Manual (March 1981))

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PROJECT: EW

PROCEDURES - 00700

DOCUMENT NOS.

TITLE

EW-L1-00716 JSC-17397 LEMSCO-16667	General Graphing System (GRAPH) User Guide (June 1981)
EW-L1-00732 JSC-17793 LEMSCO-17179	NTIS: 82N21652. Wheat Stress Indicator Model, Early Warning (EW) Data Base Interface Driver, User's Manual (November 1981)
EW-L1-00733 JSC-17794 LEMSCO-17178	NTIS: 82X74779. Winterkill Indicator Model, Early Warning (EW) Data Base Interface Driver, User's Manual (November 1981)
EW-L1-00734 JSC-17795 LEMSCO-17193	NTIS: 82X74780. Two-Layer Soil Moisture Model, Early Warning (EW) Data Base Interface Driver, User's Manual (November 1981)
EW-L2-00741 JSC-18225 LEMSCO-18055	Flood Damage Assessment Processor's, Early Warning, User's Manual (April 1982)
EW-L2-00743 JSC-18238 LEMSCO-18206	METSAT5 Program Documentation (May 1982)

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- Final Report - Methods for Determination of REU Survey Plot and County Boundary Coordinates (September 1980), R. F. Liston, Forest Service, USDA
- Final Report - Detection and Measurement of Changes in the Production and Quality of Renewable Final Dry Matter Accumulation. NASA Tech. Memo. (submitted November 1980).
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PROJECT: EW

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INVENTORY TECHNOLOGY DEVELOPMENT (ITD)

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PROJECT: INVENTORY TECHNOLOGY DEVELOPMENT

TASK DESCRIPTIONS - 00300

DOCUMENT NOS.

TITLE

MU-L1-00300	NTIS: 82N15493. ERSYS-SPP Access Method Subsystem Design Specification (September 1980)
FC-L1-00310	NTIS: 82X74791. "As-Built" Design Specification for Proportion Estimate Processor (November 1981)
FC-L1-00311	NTIS: 82X74793. "As-Built" Design Specification for a F1A Modified Display Subsystem (November 1981)

PROJECT: IT

REPORTS - 00400

DOCUMENT NOS.

TITLE

FC-LO-00420 JSC-16301 LEMSCO-14084	NTIS: 80N23744. Corn/Soybeans Decision Logic: Improvements and New Crops (January 1980)
FC-LO-00422 JSC-16338 LEMSCO-14320	NTIS: 80N26718. Evaluation of Transitionn Year Canadian Test Sites (April 1980)
FC-LO-00423 JSC-16339 LEMSCO-14386	NTIS: 81N13432. Evaluation of Results of U.S. Corn and Soybeans Exploratory Experiment--Classification Procedures Verification Test (September 1980)
FC-LO-00428 JSC-16343 LEMSCO-14067	NTIS: 81N12516. Estimation of Within-Stratum Variance for Sample Allocation (July 1980)
FC-LO-00429 JSC-16246 LEMSCO-14010	Profile Similarity Feasibility Study (February 1980)
FC-LO-00432 JSC-16346 LEMSCO-14594	NTIS: 80N30848. Statistical Outliner Detection (SOD): A Computer Program for Detecting Outliners In Data (June 1980)
FC-JO-00433 JSC-16347	FCPF February 1980 Task Manager's Report
FC-JO-00436 JSC-16350	Semi-Annual Project Management Report, Program Review Presentation to Level 1, Interagency Coordination Committee (March 1980)
FC-LO-00437 JSC-16351 LEMSCO-14584	NTIS: 81N12480. Houston Area Multicrop Inspection Trips (July 1980)
FC-LO-00451 JSC-16360 LEMSCO-14385	NTIS: 80N30847. The Integrated Analysis Procedure for Identification of Spring Small Grains and Barley (May 1980)
FC-LO-00464 JSC-16368 LEMSCO-14808	NTIS: 81N33565. Australian Transition Year Special Study (January 1981)
FC-JO-00468 JSC-16371	NTIS: 81N12517. Stratum Variance Estimation for Sample Allocation in Crop Surveys (July 1980)
FC-LO-00472 JSC-16752 LEMSCO-14598	Evaluation of the Procedure for Separating Barley From Other Spring Small Grains (August 1980)

PROJECT: IT

REPORTS - 00400

DOCUMENT NOS.

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FC-LO-00479 JSC-16379 LEMSCO-14056	NTIS: 82N21651. Transition Year Labeling Error Characterization Study Final Report (October 1980)
FC-LO-00480 JSC-16380 LEMSCO-14811	NTIS: 82N19631. Corn/Soybeans Decision Logic Development and Testing (October 1980)
FC-LO-00486 JSC-16815	NTIS: 81N33572. A Summary of Observations Concerning the Information in the Spectral Temporal-Ancillary Data Available for Estimating Ground Cover Crop Proportions (February 1981)
FC-LO-00493 JSC-16820 LEMSCO-15116	NTIS: 82N19636. Segment-Level Evaluation of the Simulated Aggregation Test: U.S. Corn & Soybean Exploratory Experiment (October 1980)
FC-LO-04000 JSC-16827 LEMSCO-15404	NTIS: 81N31597. A Description of the Reformatted Spring Small Grains Labeling Procedure Used in Test 2, Part 2, of the U.S./Canada Wheat and Barley Exploratory Experiment (February 1981)
FC-JO-04010 JSC-16835	NTIS: 81N21417. Semi-Annual Project Management Report Program Review Presentation to Level 1, Interagency Coordination Committee (November 6, 1980)
FC-LO-04014 JSC-16840 LEMSCO-15612	NTIS: 81N31599. Weather Analysis and Interpretation Procedures Developed for the U.S./Canada Wheat and Barley Exploratory Experiment (November 1980)
IT-LO-04020 JSC-16845 LEMSCO-15643	Selection of USSR Foreign Similarity Region (January 1982)
FC-LO-04027 JSC-16847 LEMSCO-15118	NTIS: 81N21419. Identification of USSR Indicator Regions (September 1980)
FC-L1-04030 JSC-16850 LEMSCO-15936	NTIS: 81N29508. Evaluation of Spring Wheat and Barley Crop Calendar Models for the 1979 Crop Year (February 1981)
MU-L1-04055 JSC-17119 LEMSCO-16207	NTIS: 82N19608. Interim Catalog Ground Data Summary Data Acquisition Year 1979 (February 1981)
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PROJECT: IT

REPORTS - 00400

DOCUMENT NOS.

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FC-L1-04073 JSC-17129	NTIS: 82N21640. U.S. Corn and Soybeans Exploratory Experiment Summary Report (March 1981)
FC-J1-04087 JSC-17134	Semi-Annual Project Management Report - Program Review Presentation to Level 1 (April 28, 1981)
FC-L1-04093 JSC-17136 LEMSCO-16221	NTIS: 82X74796. Sampling and Aggregation Components Software and Module Descriptions (December 1981)
FC-L1-04096 JSC-17138 LEMSCO-16573	1980 U.S. Corn and Soybeans Exploratory Experiment Final Report (October 1981)
FC-L1-04097 JSC-17140 LEMSCO-16645	NTIS: 82N22594. Country Summary Report - Australia (July 1981)
MU-L1-04100 JSC-17365	PRELIMINARY CATALOG: Ground Data Summary Data Acquisition for 1980 (May 1981)
FC-J1-04108 JSC-16860	NTIS: 82N21653. Enumerator's Manual 1981 Ground Data Survey (January 1981)
FC-L1-04109 JSC-17151 LEMSCO-16575	Fiscal Year 1981 U.S. Corn and Soybeans Pilot Experiment Plan, Phase I (December 1981)
FC-J1-04117	FCPF Quarterly Review (March 11, 1981)
FC-L1-04120 JSC-17401 LEMSCO-16663	NTIS: 82N21655. Sample Selection in Foreign Similarity Regions for Multicrop Experiment (August 1981)
FC-P1-04121 NAS 9-15466	NTIS: 82N20590. Evaluation of a Segment-Based Landsat Full-Frame Approach to Crop Area Estimation (June 1981)
MU-L1-04123 JSC-17403 LEMSCO-16938	NTIS: 82X74788. Interim Catalog Ground Data Summary Data Acquisition Year 1977 (July 1981)
FC-L1-04127 JSC-17406 LEMSCO-16921	1980 U.S./Canada Wheat and Barley Exploratory Experiment --Summary Report (July 1981)
FC-J1-04130 JSC-17411	Enumerator's Manual for Australia - 1981 Ground Data Survey (August 1981)

PROJECT: IT

REPORTS - 00400

DOCUMENT NOS.

TITLE

IT-L1-04132 JSC-17408 LEMSCO-16874	Selection of Argentine Indicator Region (March 1981)
FC-L1-04142 JSC-17417 LEMSCO-16929	Description of Historical Crop Calendar Data Base Developed to Support FCPF Project Experiments (October 1981)
FC-L1-04145 JSC-17421 LEMSCO-15682	Selection of the Australia Indicator Region (September 1981)
FC-L1-04155 JSC-17427 LEMSCO-15409	NTIS: 82N21654. Development of Rotation Sample Designs for the Estimation of Crop Acreages (September 1981)
FC-L1-04172 JSC-17432 LEMSCO-16944	Normal Crop Calendars Volume III: The Corn and Soybean States of Illinois, Indiana, and Idaho (October 1981)
FC-J1-04175 JSC-17433	NTIS: 82N22591. Preliminary Technical Results Review of FY67 Experiments, Vols. I and II (September 1981)
FC-J1-04176 JSC-17435	NTIS: 82N21648. A Gradient Model of Vegetation and Climate Utilizing NOAA Satellite Imagery Phase I: Texas Transect (August 1981)
FC-J1-04181 JSC-17438	Semi-Annual Project Management Report - Program Review Presentation to Level 1 Interagency Coordination Committee (November 1981)
FC-L1-04192 JSC-17440 LEMSCO-16935	Application of Thermal Model for Pan Evaporation to the Hydrology of a Defined Medium, The Sponge (November 1981)
FC-P1-04197 NAS 9-15466	NTIS: 82N21673. Determination of the Optimal Level for Combining Area and Yield Estimates (October 1981)
IT-J1-04199 JSC-17785	NTIS: 82X75092. Information Presented at the Quarterly Project Technical Interchange Meeting--July 9-10, 1981 (December 1981)
FC-L1-04219 JSC-17806 LEMSCO-16311	Evaluation of the Procedure 1A Component of the 1980 U.S./Canada Wheat and Barley Exploratory Experiment (December 1981)
IT-L2-04228 JSC-17814 LEMSCO-17153	General Multiyear Aggregation Technology: Methodology and Software Documentation (March 1982)

PROJECT: IT

REPORTS - 00400

DOCUMENT NOS.

TITLE

FC-L2-04229 JSC-17815 LEMSCO-16633	Evaluation of the U.S./Canada Wheat and Barley Exploratory Experiment Shakedown Test Analyst Labeling Results (December 1981)
IT-E2-04233 NAS 9-16538	Augmentation of Landsat MSS Data by SEASAT-SAR for Agricultural Application (April 1982)
IT-E2-04235 NAS 9-16538	Association of Spectral Development Patterns with Development Stages of Corn (February 1982)
IT-E2-04246 NAS 9-15476	*Estimating Acreage by Double-Sampling Using Landsat Data: (January 1982)
FC-T2-04261	Incorporating Partially Identified Sample Segments into Acreage Estimation Procedures: Estimates Using Only Observations from the Current Year (December 1981)
IT-J2-04262 JSC-17828	Presentation of Information of the Inventory Technology Development Project Quarterly Technical Interchange Meeting, March 24-25, 1982 (April 1982)
IT-J2-04267 JSC-17830	Semi-Annual Program Review Presentation to Level 1, Interagency Coordination Committee (April 19, 1982)
IT-J2-04282 JSC-18231	Research in Satellite-Aided Crop Inventory and Monitoring (April 1982)
IT-J2-04283 JSC-18232	An Agricultural Analysis (March 1982)
IT-J2-04296 JSC-18239	Research Advances in Satellite-Aided Crop Forecasting (September 1982)
IT-J2-04297 JSC-18240	Research in Satellite-Aided Crop Forecasting (May 1982)
IT-L2-04304 JSC-18244 LEMSCO-17755	Software for the Grouped Optimal Aggregation Technique (February 1982)
IT-E2-04311 NAS 9-16538	Development, Implementation and Evaluation of Satellite-Aided Agricultural Monitoring System - Semi-Annual Report (June 1982)
IT-T2-04323 NAS 9-14689	Missing Observations in Multiyear Rotation Sampling Designs (December 1981)
IT-U2-04332 AGES No. 820526	Construction of a Remotely Sensed Area Sampling Frame for Southern Brazil (June 1982)

PROJECT: IT

MINUTES - 00500

DOCUMENT NOS.

TITLE

FC-J0-00501
JSC-16356

Minutes of the Semi-Annual Formal Project Manager's Review,
February 13, 1980.

FC-J0-00502
JSC-16823

NTIS: 82N19614. Minutes of the Semi-Annual Formal Project
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Reports of FY80 Experiments (September 24, 1980)

FC-J1-00504
JSC-17787

NTIS: 82X75091. Proceedings of the AgRISTARS FCPF Project
Quarterly Technical Interchange Meeting (September 30, 1981)

PROJECT: IT

PLANS - 00600

DOCUMENT NOS.

TITLE

FC-JO-00600 JSC-16336	U.S./Canada Wheat and Barley Exploratory Labeling Experiment Implementation Plan (January 1980)
FC-LO-00603 JSC-16005 LEMSCO-13481	The Development of a Sampling Strategy for Multicrop Estimation: A Technical Plan (November 1979)
FC-JO-C0604 JSC-16344	Foreign Commodity Production Forecasting Project Implementation Plan (January 15, 1980)
FC-BO-00605 NAS 9-14565	Examination of New Sampling and Aggregation Approaches (March 1980)
FC-LO-00608 JSC-16363 LEMSCO-14943	Configuration Management Plan (June 1980)
FC-LO-00609 JSC-16364 LEMSCO-15402	NTIS: 81N12513. Supplemental U.S./Canada Wheat and Barley Exploratory Experiment Implementation Plan: Evaluation of a Procedure 1A Technology (June 1980)
FC-JO-00610 JSC-16365	World Multicrop Test Site Overflights for 1980 Crop Year Implementation Plan (June 1980)
FC-JO-00611 JSC-16812 LEMSCO-15323	NTIS: 82N15494. U.S./Canada Wheat and Barley Crop Calendar Exploratory Experiment Implementation Plan (September 1980)
FC-LO-00612 JSC-16819 LEMSCO-15168	NTIS: 82N15491. Fiscal Year 1980-81 Implementation Plan in Support of Technical Development and Integration of Sampling and Aggregation Procedures (March 1981)
FC-JO-C0614 JSC-16828	FCPF Implementation Plan (FY81 & FY82) (October 1980)
FC-L1-00633 JSC-17405 LEMSCO-16868	Fiscal Year 1981-82 U.S./Canada Spring Small Grains Experiment Plan (December 1981)
FC-L1-00634 JSC-17407 LEMSCO-16566	Technical Plan for Developing and Testing a Cloud Cover/Acquisition History Simulator (July 1981)

PROJECT: IT

PLANS 00600

FC-L1-00635
JSC-17409
LEMSCO-16933

NTIS: 82X74786. Technical Plan for Testing The Automated
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FC-L1-00639
JSC-17607
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NTIS: 82X74785. Australia Ground Data Collection Detailed
Plan for 1981/82 Crop Year (September 1981)

FC-J1-C0640
JSC-17425

FCPF Project Implementation Plan for Fiscal Years 1982
and 1983 (September 30, 1981)

PROJECT: IT

PROCEDURES - 00700

DOCUMENT NOS.

TITLE

FC-L0-00700
JSC-16399
LEMSCO-14080

NTIS: 80N30862. Maximal Analysis Labeling Procedure
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FC-E1-00712
NAS 9-15476

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LEMSCO-16852

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FC-L1-00718
JSC-17155
LEMSCO-16851

NTIS: 82N21639. Volume I: Project Test Reports Document
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IT-E1-00721
NAS 9-15476

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NAS 9-15476
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IT-J2-00738
JSC-17813

NTIS: 82X75093. User's Guide to the CS2 Automated
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IT-J2-00742
JSC-18230

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PROJECT: YIELD MODEL (YM)

INSTRUCTIONS - 00100

DOCUMENT NOS.

TITLE

MU-JO-00100
JSC-16841

NTIS: 82N19629. Yield Model Development/Soil Moisture
Interface Control Document (November 1980)

MU-JO-00102
JSC-16843

Yield Model Development/Early Warning and Crop Condition
Assessment Interface Control Document (November 1980)

PROJECT: YM

REPORTS - 00400

DOCUMENT NOS.

TITLE

YM-I1-04095 USDA/ESS Staff AGESS810304	Evaluation of "Straw Man" Model 1, The Simple Linear Model for Soybean Yields in Iowa, Illinois, and Indiana (March 1981)
YM-N1-04198	NTIS: 82N21656. Development of a Surface Isolation Estimation Technique Suitable for Application of Polar-Orbiting Satellite Data (November 1981)
YM-U2-04245 AGES820428	Estimating Daily Advective Contributions to Potential Evapotranspiration (May 1982)
YM-U2-04281 JSC-18229	A Model for the Simulation of Growth and Yield in Winter Wheat (August 1981)
YM-U2-04286 JSC-18233	Evaluation of the Williams-Type Spring Wheat Model in North Dakota and Minnesota (January 1982)
YM-U2-04287 JSC-18234	Evaluation of the Williams-Type Model for Barley Yields in North Dakota and Minnesota (December 1981)
YM-U2-04288 JSC-18235	Evaluation of the CEAS Model for Barley Yields in North Dakota and Minnesota (December 1981)
YM-U2-04289 JSC-18236	Comparison of CEAS and Williams-Type Models for Spring Wheat Yields in North Dakota and Minnesota (March 1982)
YM-U2-04290 JSC-18237	Comparison of the CEAS and Williams-Type Barley Yield Models for North Dakota and Minnesota (March 1982)
YM-12-04306 JSC-18245	Second Generation Crop Yield Models Review (March 1982)

PROJECT: YM

PLANS - 00600

DOCUMENT NOS.

TITLE

YM-J0-C0616
JSC-16851

Yield Model Development Project Implementation Plan (1980)

YM-J1-C0618
JSC-16857

NTIS: 81N32577. Yield Model Development Implementation Plan
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YM-J1-C0642
JSC-17436

Yield Model Development Project Implementation Plan for
FY82 and 83

PROJECT: YM

PROCEDURES - 00700

DOCUMENT NOS.

TITLE

YM-L2-00736
JSC-17808

Gridded Meteorological Data Extraction System, GMDES,
User's Guide (November 1981)

YM-U2-00737
JSC-17811

Extraction Procedures and Requirements for Gridded Air
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YM-U2-00740
JSC-18228

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PROJECT: YM

UNNUMBERED REPORTS - 00900

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SUPPORTING RESEARCH (SR)

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PROJECT: SUPPORTING RESEARCH (SR)

REQUIREMENTS - 00200

DOCUMENT NOS.

TITLE

SR-11-00201
NAS 9-14350

Crop Calendar Preprocessor Requirements Document (May 1981)

PROJECT: SR

TASK DESCRIPTIONS - 00300

<u>DOCUMENT NOS.</u>	<u>TITLE</u>
MU-11-00300	NTIS: 85N15493. ERSYS-SPP Access Method Subsystem Design Specification (September 1980)
SR-L1-00301 JSC-17389 LEMSCO-16676	NTIS: 82N21637. "As-Built" Design Specification for UNIV for VEC (May 1981)
SR-L1-00302 JSC-17390 LEMSCO-16677	NTIS: 82N21642. "As-Built" Design Specification for PARCLS (May 1981)
SR-L1-00303 JSC-17370 LEMSCO-16648	NTIS: 82N22539. "As-Built" Design Specification for the CLASFYT Program (May 1981)
SR-L1-00304 JSC-17369 LEMSCO-16649	NTIS: 82N21644. "As-Built" Design Specification for the CLASFYG Program (May 1981)
SR-L1-00305 JSC-17371 LEMSCO-16650	NTIS: 82N21641. "As-Built" Design Specification for PARHIS (April 1981)
SR-L1-00306 JSC-17037 LEMSCO-15937	"As-Built" Design Specification for Map (SGMAP) Program (December 1980)
SR-L1-00307 JSC-17231 LEMSCO-16300	NTIS: 82N21643. "As-Built" Design Specification for MISMAP (February 1981)
SR-L1-00308 JSC-17305 LEMSCO-16544	NTIS: 82N22543. "As-Built" Design Specification for PARPLT (April 1981)
SR-L1-00309 JSC-17414 LEMSCO-16854	Description of the Fortran Implementation of the Spring Grains Planting Date Distribution Model (August 1981)
SR-L2-00312 JSC-17810 LEMSCO-17606	NTIS: 82X74790. "As-Built" Design Specification for GTPURE (January 1982)
SR-I2-00313 NAS 9-14350	NTIS: 82X74792. ERSYS Registration Subsystem Detailed Design Specification (September 1981)
SR-I2-00314 JSC-16921 NAS 9-14350	ERSYS User Interface Subsystem Design Specification (October 1981)

PROJECT: SR

REPORTS - 00400

<u>DOCUMENT NOS.</u>	<u>TITLE</u>
SR-I9-00400 NAS 9-14350	Experimental Design Considerations for Analyst and Segment Effects in Crop Proportion Estimates (November 1979)
SR-I9-00401 NAS 9-14350	Crop Classification with Landsat Multispectral Scanner Data II (November 1979)
SR-T9-00402 NAS 9-14689	NTIS: 80N18526. FINAL REPORT: Development and Evaluation of Clustering Procedures (November 1979)
SR-J9-00403	Informal Progress Review (November 30, 1979)
SR-E9-00404 ₁ NAS 9-15476 ¹	NTIS: 80N18506. FINAL REPORT: Development of Landsat Based Technology for Crop Inventories (December 1979)
SR-E9-00404 ₂ NAS 9-15476 ²	NTIS: 80N18507. FINAL REPORT: Development of Landsat Based Technology for Crop Inventories: Appendices (December 1979)
SR-L9-00405 JSC-16320 LEC-13791	NTIS: 80N23748. Crop Yield Literature Review for AgRISTARS Crop Corn/Soybeans/Wheat/Barley/Sorghum/Rice/Cotton/Sunflowers (December 1979)
SR-L0-00407 JSC-13773 LEC-14250	NTIS: 80N29824. Composition and Assembly of A Spectral Data Base for Corn and Soybean Multicrop Segments (June 1980)
SR-L0-00408 JSC-16298 LEC-14077	Quantitative Estimation of Plant Characteristics Using Spectral Measurement: A Survey of The Literature (January 1980)
SR-L9-00409 JSC-16088 LEC-13722	NTIS: 82N19610. Crop Phenology Literature Review for Corn, Soybean, Wheat, Barley, Sorghum, Rice, Cotton, and Sunflower (November 1979)
SR-P9-00410 NAS 9-15466 Vol. I	NTIS: 80N23740. FINAL REPORT: Agricultural Scene Understanding and Supporting Field Research (November 1979)
SR-P9-00411 NAS 9-15466 Vol. II	NTIS: 80N23741. FINAL REPORT: Processing Techniques Development Part 1: Crop Inventory Techniques (November 1979)
SR-P9-00412 NAS 9-15466 Vol. III	NTIS: 80N23742. FINAL REPORT: Processing Techniques Development Part 2: Data Preprocessing and Information Extraction Techniques (November 1979)

PROJECT: SR

REPORTS - 00400

<u>DOCUMENT NOS.</u>	<u>TITLE</u>
SR-P9-00413 NAS 9-15466 Vol. IV	NTIS: 80N23743. FINAL REPORT: Computer Processing Support (November 1979)
SR-P9-00414 NAS 9-15466	NTIS: 80N30823. FINAL REPORT: Annual Technical Summary (November 1979)
SR-L0-00416 JSC-16309 LEMSCO-14070	NTIS: 80N23726. Variability of Crop Calendar Stage Dates (January 1980)
SR-L0-00417 JSC-16273 LEC-14069	NTIS: 80N23747. Composition and Assembly of a Spectral Data Base for Transition Year Spring Wheat Blind Sites, Volume I (January 1980)
SR-L0-00418 JSC-13776 LEMSCO-13499	Interpretation of Landsat Digital Data Using a Cubic Color Model Based on Relative Energies (February 1980)
SR-L0-00419 JSC-16335 LEMSCO-14310	Utilization of Spectral-Spatial Information In The Classification of Imagery Data (June 1980)
SR-J0-00421	January 1980 Supporting Research Task Manager's Report (January 31, 1980)
SR-L0-00424 JSC-16334 LEMSCO-14278	NTIS: 80N26735. Label Identification From Statistical Tabulation (LIST) Temporal Extendability Study (February 1980)
SR-L0-00425 JSC-16341 LEMSCO-14357	NTIS: 80N30861. A Labeling Technology for Landsat Imagery (May 1980)
SR-I0-00426 NAS 9-14350	FINAL REPORT: Procedure M System Description Document (October 1979)
SR-L0-00427 JSC-16342 LEMSCO-14356	NTIS: 80N30856. Estimation of Probabilities of Label Imperfections and Correction of Mislabeled (March 1980)

PROJECT: SR

REPORTS - 00400

DOCUMENT NOS.

TITLE

SR-LO-00430 JSC-16345 LEMSCO-14390	NTIS: 80N27764. Label Identification from Statistical Tabulation (LIST) Application of RIDIT Analysis (March 1980)
SR-PO-00431 NAS 9-15466	NTIS: 80N26721. Physiocochemical, Site, and Bidirectional Reflectance Factor Characteristics of Uniformly Moist Soils (February 1980)
SR-B9-00434 NAS 9-14565	FINAL REPORT: Development of AI Procedures for Dealing with the Effects of Episodal Events on Crop Temporal-Spectral Response and Development of AI Guidelines for Corn & Soybean Labeling (November 1979)
SR-JO-00435 JSC-16349	Semi-Annual Project Management Report (March 1980)
SR-JO-00438 JSC-16353	NTIS: 80N30860. AgRISTARS Cropping Practices and Crop Characteristics Based on 1979 ESCS Observations (April 1980)
SR-LO-00440 JSC-16355 LEMSCO-14597	NTIS: 80N29820. Some Approaches to Optimal Cluster Labeling of Aerospace Imagery (April 1980)
SR-LO-00442 JSC-16358 LEMSCO-14670	NTIS: 80N30863. An Exploratory Study to Develop a Cluster-Based Area Estimation Procedure (May 1980)
SR-PO-00443 NAS 9-15466	NTIS: 80N26716. Contextual Classification of Multispectral Image Data (January 1980)
SR-PO-00444 NAS 9-14566	NTIS: 80N26723. Context Distribution Estimation for Contextual Classification of Multispectral Image Data (April 1980)
SR-IO-00445 NAS 9-14350	Spatial-Spectral Procedure Development: The Purity Experiment (April 1980)
SR-LO-00450 JSC-16359 LEMSCO-14673	Crop Calendars for the U.S., USSR, and Canada in Support of The Early Warning Project (July 1980)
SR-IO-00452 NAS 9-14350	Purity Data Report (April 14, 1980)

PROJECT: SR

REPORTS - 00400

DOCUMENT NOS.

TITLE

SR-LO-00453 JSC-16361 LEMSCO-14355	NTIS: 80N30871. Evaluation of Bayesian Sequential Proportion Estimation Using Analyst Labels (May 1980)
SR-PO-00454 NAS 9-15466	NTIS: 80N29814. Pixel Labeling by Supervised Probabilistic Relaxation (February 1980)
SR-PO-00455 NAS 9-15466	On The Accuracy of Pixel Relaxation Labeling (March 1980)
SR-LO-00456 JSC-16538 LEMSCO-14672	NTIS: 80N30870. Evaluating the Use of Analyst Labels in Maximum Likelihood Cluster Proportion Estimation (April 1980)
SR-JO-00457 JSC-16504	Interpolation of Daily and Monthly Precipitation and Temperature Using the Wagner Variational Analysis Technique (March 1980)
SR-PO-00458 NAS 9-15466	Effects of Management Practices on Reflectance of Spring Wheat Canopies (May 1980)
SR-EO-00459 NAS 9-15476	An Algorithm for Estimating Crop Calendar Shifts of Spring Small Grains Using Landsat Spectral Data (June 1980)
SR-LO-00460 JSC-16362	NTIS: 80N29819. Sampling of Rectangular Regions (June 1980)
SR-IO-00461 NAS 9-14350	Multispectral Data Analysis Based on Ground Truth Crop Classes (June 1980)
SR-LO-00465 JSC-16754 LEMSCO-15163	Proportion Estimation Using Prior Cluster Purities (July 1980)
SR-LO-00467 JSC-16370 LEMSCO-15179	Minimum Variance Geographic Sampling (July 1980)
SR-PO-00469 NAS 9-15466	NTIS: 80N33830. A Multispectral Data Simulation Technique (July 1980)
SR-LO-00475 JSC-16376 LEMSCO-14676	Canadian Crop Calendars in Support of the Early Warning Project (August 1980)

PROJECT: SR

REPORTS - 00400

<u>DOCUMENT NOS.</u>	<u>TITLE</u>
SR-LO-00476 JSC-16377 LEMSCO-15115	Preliminary Evaluation of the Environmental Research Institute of Michigan Crop Calendar Shift Algorithm for Estimation of Spring Wheat Development Stage (September 1980)
SR-HO-00477 NAS 9-14689	The Numerical Trials of HISSE (August 1980)
SR-LO-00478 JSC-16378 LEMSCO-14807	NTIS: 881N29498. The Multicategory Case of the Sequential Bayesian Pixel Selection and Estimation Procedure (November 1980)
SR-JO-00481 JSC-16381	A Semi-Automatic Technique for Multitemporal Classification of a Given Crop (July 1980)
SR-UO-00482 JSC-16383	Taxonomic Classification of World Soil Map Units Occurring in Selected Brazilian States with Representative U.S. Soil Series and Numerical Rating of Physical and Chemical Soil Properties Significant to Crop Production (September 1980)
SR-LO-00483 JSC-16384 LEMSCO-15358	NTIS: 82N22590. Probabilistic Cluster Labeling of Imagery Data (September 1980)
SR-LO-00484 JSC-16813 LEMSCO-15033	Normal Crop Calendars Volume I: Assembly and Application of Historical Crop Data to a Standard Product (August 1980)
SR-LO-00485 JSC-16814 LEMSCO-15034	Normal Crop Calendars Volume II: The Spring Wheat States of Minnesota, Montana, North Dakota, and South Dakota (August 1980)
SR-JO-00488 JSC-16816	Development Stage Estimation of Corn from Spectral Data - An Initial Model (August 1980)
SR-JO-00489 JSC-16817	Illustration of Year-to-Year Variation in Wheat Spectral Profile Crop Growth Curves (August 1980)
SR-PO-00491 NAS 9-15466	Contextual Classification of Multispectral Imagery Data Approximate Algorithm (August 1980)
SR-HO-00492 NAS 9-14689	On the Existence, Uniqueness, and Asymptotic Normality of a Consistent Solution of the Likelihood Equations for Nonidentically Distributed Observations-Applications to Missing Data Problems (September 1980)

PROJECT: SR

REPORTS - 00400

DOCUMENT NOS.

TITLE

SR-PQ-00494 NAS 9-15466	An Assessment of Landsat Data Acquisition History by Identification and Area Estimation of Corn and Soybeans (June 1980)
SR-UO-00497 JSC-16824	NTIS: 82N19633. Taxonomic Classification of World Map Units in Crop Producing Areas of Argentina and Brazil with Representative U.S. Soil Series and Major Land Resource Areas in Which They Occur (October 1980)
SR-JO-00498 JSC-16825	Spectral Reflectance of Soils: A Literature Review (August 1980)
SR-LO-00499 JSC-16826 LEMSCO-15305	NTIS: 81N31598. Classification of Wheat: Badhwar Profile Similarity Techniques (October 1980)
SR-JO-04001 JSC-16829	A Semi-Automatic Technique for Multitemporal Classification of a Given Crop of a Landsat Scene (October 1980)
SR-LO-04002 JSC-16830 LEMSCO-14640	NTIS: 82N19634. Preliminary Evaluation of Spectral, Normal, and Meteorological Crop Stage Estimation Approaches (October 1980)
SR-JO-04007 JSC-16832 LEMSCO-14860	NTIS: 81N33564. Maximum Likelihood Estimation for Mixture Models (October 1980)
SR-JO-04011 JSC-16836	Semi-Annual Project Management Report Program Review Presentation to Level 1, Interagency Coordination Committee (November 1980)
SR-LO-04012 JSC-16837 LEMSCO-15698	NTIS: 81N32576. Analysis of U.S. Spring Wheat and Spring Barley Periodic Ground Truth (January 1981)
SR-LO-04013 JSC-16838 LEMSCO-15679	Investigation of Boundary Pixel Handling Procedures (December 1980)
SR-IO-04015 NAS 9-14350	BIAS Modeling Experiment (November 1980)
SR-IO-04017 NAS 9-14350	QUASI-Field Purity Experiment (October 1980)
SR-LO-04019 JSC-16844 LEMSCO-14675	USSR Crop Calendar in Support of the Early Warning Project (December 1980)

PROJECT: SR

REPORTS - 00400

DOCUMENT NOS.

TITLE

SR-PO-04022 NAS 9-15466	NTIS: 81N26527. FINAL REPORT: Field Research on the Spectral Properties of Crop and Soil (November 1980)
SR-PO-04023 NAS 9-15466	NTIS: 81N26528. FINAL REPORT: Research in the Application of Spectral Data to Crop Identification and Assessment (November 1980)
SR-PO-04024 NAS 9-15466	FINAL REPORT: Data Processing Research and Techniques Development (November 1980)
SR-PO-04025 NAS 9-15466	FINAL REPORT: Computer Processing Support (November 1980)
SR-LO-04028 JSC-16484 LEMSCO-15641	Spatial/Color Sequence Proportion Estimation Techniques (December 1980)
SR-JO-04029 JSC-16849	NTIS: 81N33549. A Comparative Study of the Thematic Mapper and Landsat Spectral Bands from Field Measurement Data (March 1981)
SR-L1-04031 JSC-16853 LEMSCO-15683	NTIS: 81N29502. Maximum Likelihood Clustering With Dependent Feature Trees (January 1981)
SR-L1-04032 JSC-16858 LEMSCO-16018	Spring Small Grains Planting Date Distribution Model (March 1981)
SR-X1-04033 NAS 9-15981	Assembly Language Coding for CLASSY (January 1981)
SR-J1-04036 JSC-16861	NTIS: 81N33567. Weighted Ratio Estimation of Large Area Crop Production (February 1981)
SR-P1-04038 NAS 9-15466	NTIS: 82N21647. Soybean Canopy Reflectance as Influenced by Cultural Practices (March 1981)
SR-P1-04039 NAS 9-15466	Canopy Reflectance As Influenced by Solar Illumination Angle (March 1981)
SR-X1-04041 NAS 9-15981	NTIS: 81N33563. Maximum Likelihood Labeling (February 1981)
SR-K1-04043 NAS 9-15421	Crop Classification Using Airborne Radar and Landsat Data (February 1981)

DOCUMENT NOS.TITLE

SR-P1-04044 9-15466	NTIS: 82N20591. Effects of Nitrogen Nutrition on the NAS Growth, Yield, and Reflectance Characteristics of Corn Canopy (May 1981)
SR-L1-04045 JSC-17113 LEMSCO-16035	NTIS: 82N21676. Classification of Corn: Badhwar Profile Similarity Technique (March 1981)
SR-X1-04046 NAS 9-15981	NTIS: 81N31600. Improved Version of the Split Routine for CLASSY (March 1981)
SR-X1-04053 NAS 9-15981	NTIS: 81N29503. New Output Improvements for CLASSY (March 1981)
SR-L1-04054 JSC-17128 LEMSCO-15676	NTIS: 81N28498. A Temporal/Spectral Analysis of Small Grain Crops and Confusion Crops (March 1981)
MU-L1-04055 JSC-17119 LEMSCO-16207	NTIS: 82N19608. Interim Catalog Ground Data Summary Data Acquisition Year 1979 (February 1981)
MU-L1-04056 JSC-17120 LEMSCO-16325	NTIS: 81N33546. Interim Catalog Ground Data Summary Data Acquisition Year 1978 (March 1981)
SR-L1-04064 JSC-17121 LEMSCO-16216	NTIS: 81N33573. A Crop Moisture Stress Index for Large Areas and Its Application in the Prediction of Spring Wheat Phenology (March 1981)
SR-E1-04065 NAS 9-15476	NTIS: 82N15480. Development and Evaluation of An Automatic Labeling Technique for Spring Small Grains (August 1981)
SR-L1-04067 JSC-17124 LEMSCO-16021	Estimation of Proportions in Mixed Pixels Through Their Region Characterization (March 1981)
SR-L1-04071 JSC-17127 LEMSCO-15971	NTIS: 81N29497. An Analysis of Haze Effect on Landsat Multispectral Scanner Data (March 1981)
SR-P1-04079 NAS 9-15466	Design and Evaluation of a Pick-Up Truck Mounted Boom for Evaluation of a Multiband Radiometer System (April 1981)
SR-P1-04090 NAS 9-15466	Performance Comparison for Barnes Model 12-1000, EXOTECH Model 100, and Ideas, Inc. Biometer Mark II (April 1981)

<u>DOCUMENT NOS.</u>	<u>TITLE</u>
SR-L1-04094 JSC-17137	Recommended Data Sets, Corn Segments and Spring Wheat Segments, for Use in Program Development (April 1981)
SR-L1-04098 JSC-17139 LEMSCO-16342	Six-Channel Thematic Mapper Simulation (May 1981)
MU-L1-04100 JSC-17365 LEMSCO-16644	PRELIMINARY CATALOG: Ground Data Summary Data Acquisition for 1980 (May 1981)
SR-T1-04112 NAS 9-14689	NTIS: 81N29495. Development of Advanced Acreage Estimation Method (December 1980)
SR-L1-04122 JSC-17402 LEMSCO-14674	NTIS: 82N21682. U.S. Crop Calendar in Support of the Early Warning Project (July 1981)
MU-L1-04123 JSC-17403 LEMSCO-16938	NTIS: 82X74788. Interim Catalog Ground Data Summary Data Acquisition Year 1977 (July 1981)
SR-P1-04125 NAS 9-15466	On the Accuracy of Pixel Relaxation Labeling (July 1981) (Same as SR-P0-00455, DTD. March 1980)
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SR-P1-04141 NAS 9-15466	Application of Computer Axial Tomography to Measuring Crop Canopy Geometry (June 1981)
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SR-P1-04159 NAS 9-15466	A Method for Classifying Multispectral Remote Sensing Data Using Context (1979)
SR-P1-04150 NAS 9-14970	Sampling for Area Estimation: A Comparison of Full-Frame Sampling with the Sample Segment Approach (July 1979)
MU-E1-04161 NAS 9-15476	Analysis of Scanner Data for Crop Inventories - Period Covered November 15, 1979-February 15, 1980 (May 1980)
MU-E1-04162 NAS 9-15476	Analysis of Scanner Data for Crop Inventories - Period Covered February 16, 1980-May 15, 1980 (May 1980)
SR-P1-04163 NAS 9-15466	Analytical Design of Multispectral Sensors (April 1980)
SR-P1-04164 NAS 9-15466	Overcoming Accuracy Deterioration in Pixel Relaxation Labeling (December 1980)
SR-P1-04165 NAS 9-15466	Evaluation of Several Schemes for Classification of Remotely Sensed Data (December 1980)
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SR-P2-04277 NAS 9-16528 NAS 9-15466	LARSPEC Spectroradiometer - Multiband Radiometer Data Formats (May 1982)
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SR-P2-04318 NAS 9-15466	Performance Evaluation and Calibration of Modular Multiband Radiometer for Remote Sensing and Field Research (June 1982)

PROJECT: SR

MINUTES - 00500

DOCUMENT NOS.

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SR-J0-00503
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PROJECT: SR

PLANS - 00600

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SOIL MOISTURE (SM)

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PROJECT: SOIL MOISTURE (SM)

INSTRUCTIONS - 00100

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SM-JO-00470 JSC-16372	A Parametric Study of Tillage Effects on Radar Backscatter (July 1980)
SM-GO-00471	Reports on the Remote Measurement of Soil Moisture by Microwave Radiometers at Barc Test Site (August 1980)
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SM-YO-00495 NAS 7-100	Joint Microwave and Infrared Studies for Soil Moisture Determination (September 1980)
SM-KO-04005 NAG5-30	Aircraft Radar Response to Soil Moisture (October 1980)
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SM-L1-04047 JSC-17115 LEMSCO-15324	Agricultural Soil Moisture Experiment: Evaluation of 1978 Colby Data Collected for Comparative Testing of Soil Moisture Models (May 1981)
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SM-R1-04084	Survey of Applications of Passive Microwave Remote Sensing for Soil Moisture in the USSR (May 1981)
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PLANS - 00600

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PROJECT: SM

TECHNICAL TRANSLATIONS - 00800

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DC-Y1-04232	Thematic Mapper Simulator Data Collected Over Eastern North Dakota (April 1982)
DC-J2-04273 JSC-18223	Semi-Annual Program Review Presentation to Level 1, Interagency Coordination Committee (April 20, 1982)

PROJECT: DC

PLANS - 00600

DOCUMENT NO.

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DC-J1-C0619
JSC-17109

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RENEWABLE RESOURCES INVENTORY (RR)

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RR-L0-00466 JSC-17122 LEMSCO-15173	Use and Evaluation of the Vegetation Component of the National Site Classification System (April 1981)
RR-G0-04009	Sensor Parameter Study Literature Review and Experimental Plan (October 1980)
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CONSERVATION AND POLLUTION (CP)

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CP-32-04237 NAS 1-16000	Determination of Turbidity Patterns in Lake Chicot from Landsat MSS Imagery (January 1982)
CP-32-04238	Determination of Circulation and Turbidity Patterns in Kerr Lake from Landsat MSS Imagery (November 1981)
CP-Z2-04239	Criteria for the Use of Regression Analysis for Remote Sensing of Sediment and Pollutants (February 1982)
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CP-Z2-04307	Calibration of a Turbidity Meter for Making Estimates of Total Suspended Solids Concentrations and Beam Attenuation Coefficients in Field Experiments (October 1981)
CP-32-04324 NAS 1-16000	Kerr Reservoir Landsat Experiment Analysis for November 1980 (May 1982)
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PLANS - 00600

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