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CARTOGRAPHIC EVALUATION OF SKYLAB-A S-192 SCANNER IMAGES

EREP Investigation Number 497

Period Covered: 1 February 1974 - 30 April, 1974

NASA Purchase Order T-4111B
Principal Investigations Management Office
Lyndon B. Johnson Space Center
Technical Monitor: Rigdon Joosten, Code TF6

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Quarterly Progress Report

(E74-10538) CARTOGRAPHIC EVALUATION OF
SKYLAB-A S-192 SCANNER IMAGES Quarterly
Progress Report, 1 Feb. - 30 Apr. 1974
(Geological Survey, Reston, Va.) 3 p HC
\$4.00 CSCL 08B G3/13

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Publication Authorized by the Director, U. S. Geological Survey

(a) Overall Status

Since the last quarterly report (1 November 1973 - 31 January 1974) the following data have been received:

<u>Data</u>	<u>Task Site</u>	<u>Location</u>	<u>Date Received</u>
S-190A SL-3 4X positive transparencies - Mag 22, 23, & 24 Frames 184/193	933548	Lake Erie	04/12/74
S-190A SL-3, 4X positive transparencies - Mag 22, 23, & 24 Frames 191/200	933669	Chesapeake Bay	04/12/74
S-190A SL-3 4X positive transparencies - Mag 43 & 44 Frames 118/127	933669	Chesapeake Bay	04/12/74

In addition to the above data, four SL4 Data Books for the S-190A and S-190B camera systems have been received. No additional S-192 data have been received during this reporting period.

There has been no progress on the investigation since the last reporting period due to the unavailability of S-192 imagery. The most recent information from the Technical Monitor is that no S-192 data will be available until June or July. The period of performance for the investigation has been extended until December 31, 1974, because of the data availability problem.

(b) Action Required

NASA should expedite delivery of the S-192 radiometrically corrected and color composite film.

(c) Expected Accomplishments During Next Reporting Period

Assuming a late June receipt of the S-192 imagery the following tasks will be accomplished during the next reporting period.

1. Detailed inspection and analysis of the S-192 imagery of the Chesapeake Bay and Phoenix test sites.
2. Selection and measurement of ground control points.
3. Initial computer processing of data to evaluate cartographic quality of the imagery.
4. Detailed inspection and evaluation of additional SL3 and SL4 screening film.
5. Order corrected film and color composites of additional sites.

(d) Significant Results

None

(e) Summary Outlook for Remaining Effort

Further work will concentrate on task sites 933669 Chesapeake Bay and alternate task site 933396 Phoenix using SL3 and SL2 data. Initial evaluation of these sites should be well along by the end of the next reporting period.

Analysis of other sites depends on the quality of the SL3 and SL4 data collected.

(f) Travel Summary and Plans

No travel was done by the PI for this investigation during the reporting period and none is planned during the next quarter.