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CR-141093

## CARTOGRAPHIC EVALUATION OF SKYLAB-A S-192 SCANNER IMAGES

EREP Investigation Number 497

Period Covered: 1 August 1974 - 31 October 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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(E75-10078) CARTOGRAPHIC EVALUATION OF SKYLAB-A S-192 SCANNER IMAGES Quarterly Progress Report, 1 Aug. - 31 Oct. 1974 (Geological Survey, Reston, Va.) 3 p HC \$3.25 N75-14197 Unclas CSCL 08B 63/43 00078

Quarterly Progress Report

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

(a) Overall Status

Since the last quarterly report (1 May 1974 - 31 July 1974) the following data have been received:

<u>Data</u>	<u>Task Site</u>	<u>Location</u>	<u>Date Received</u>
SL4 S-190A 4X Transparencies Mags 70, 71 & 72 Frames 348/357	933396	Sioux Falls	Oct. 11, 1974
SL4 S-190A 4X Transparencies Mags 76, 77, & 78 Frames 067/077	933136	San Francisco	Oct. 11, 1974

In addition, sensor performance reports for the S-192 and S-193 have been received. No S-192 screening or corrected film was received during this quarter.

Discussions with the Technical Monitor on October 21 indicated that bands 1, 2, 3, 5 and 10 of EREP Pass 91 (SL4) over San Francisco and central California were saturated and unusable. It was decided that bands 4, 7 and 9 would be ordered instead. The Technical Monitor indicated the corrected S-192 data would be processed and shipped in early November 1974. Further progress on this investigation is not possible until corrected S-192 data are received.

(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 an early November receipt of the S-192 imagery the following tasks will be accomplished during the next reporting period:

- 1) Detailed inspection and analysis of the Chesapeake Bay, Phoenix and San Francisco test sites.
- 2) Selection and measurement of ground control points.
- 3) Initial computer processing of the data to evaluate cartographic quality of the imagery.

(d) Significant Results

None

(e) Summary Outlook for Remaining Effort

Further work will concentrate on task sites 933669 Chesapeake Bay, 933136 San Francisco, and alternate task site 933396 Phoenix. If the S-192 data is received early in the next reporting period initial evaluation of the data should be well along by the end of the reporting period.

(f) Travel Summary and Plans

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