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INVESTIGATION OF SKYLAB DATA

EREP No. 472-2

May 1974

NAS 9-13332

Principal Investigations Management Office

Lyndon B. Johnson Space Center

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Monthly Plans and Progress Report

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Monthly Plans and Progress Report

May 1974

One major activity during May was the transfer of ground truth information to an overlay on enlarged RB-57 photos. This process is being done by a trained photo interpreter. The overlay will be used in selecting training sets for computer processing of S-192 imagery in cooperation with Environmental Research Institute of Michigan.

Skylab photo imagery (S-190 A, S-190 B) for pass 48 (September 1973) has arrived and been examined in a preliminary fashion. Central Michigan has a high percentage of cloud cover apparently so high as to render the photos of little value. There are some clear areas in the Michigan Thumb that may be studied.

Work is underway on a classification map of the forest areas in Mason County using August Skylab imagery. The map will show conifer, hardwood and non-forest areas.

Analysis for a special report was started in May for completion in June.

Attached is the latest Progress Report from the subcontractor, Environmental Research Institute of Michigan.

104600-14-L
24 May 1974

Skylab Support
Progress Report, April 1974

Subcontract #1 Prime NAS9-13332

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104600-14-L

Skylab Support
Progress Report, April 1974

The following report serves to report progress for April 1974 on Subcontract #1 of contract NAS9-13332. The financial reports for this contract are being submitted under separate cover.

The objective of this subcontract is to support the Skylab EREP effort of Michigan State University by: 1) performing standard recognition processing and producing recognition maps and area counts, 2) assisting in the analysis and interpretation of the recognition maps and other extracted information, 3) further developing and adapting, for use on Skylab EREP data, methods for estimating proportions of unresolved objects, and 4) applying proportion estimation techniques to one frame of EREP data to determine to what extent the accuracy of crop acreage estimates is improved.

No technical progress has been made during this report period due to the present unavailability of S-192 digital data to this subcontract. Even though preliminary CCT's for the Michigan Test Site have been generated, they cannot at this time be released for use by the Skylab Principal Investigators. We are now attempting to get approval for the release of this data so that the planned data processing can begin.

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