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CR-136904

SKYLAB

- A. Title of investigation: The Great Basin Investigation
- B. Number of investigation: #357
- C. Period covered: Monthly progress report for April, 1974
- D. Contract number: 9-13274
- E. Principal Investigations Management Office, Lyndon B. Johnson Space Center
- F. Technical Monitor name: Martin Miller TF6
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- H. Type of report: Monthly Progress Report for April, 1974

(E74-10499) THE GREAT BASIN
INVESTIGATION Monthly Progress Report,
Apr. 1974 (Nevada Univ.) 2 p HC \$4.00

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Unclas

G3/13 00499

I. Overall Status:

1. Some 13X enlargements (1:250:00) in black and white have been produced from the August 11th and September 13th data all from SL-3. The September 13th S-190A color and color IR is universally underexposed so the pan x with a 25 and 57 filters were used and with some dodging good results were obtained. These data along with the S-190B, enlarged transparencies (1:250,000) are the format that is being used to do our initial structural and lithologic studies. Aircraft imagery from the Amps system aboard NASA 925 is also being enlarged and will be incorporated into the data analysis in a systematic way.
2. Work using stereoptics, transparencies, and enlargements from individual bands are being used in the data analysis.
3. No field work has been conducted to confirm any of the results found in the laboratory analysis.

J. Expected accomplishments for the next reporting period.

1. Data analysis will continue on lithologic and structural studies using our own processed imagery.
2. Some field work will be started.
3. A meeting is planned in Reno with Dr. Melhorn of Purdue to examine ideas relating to the geomorphology studies using Skylab data. It is unfortunate we don't have all of the data.