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E 74-10670
CR-139238

Organization: Remote Sensing Institute
South Dakota State University
Brookings, SD 57006

Title: Monthly Report to
National Aeronautics and
Space Administration

Report type: Monthly Progress Report,
June 1974

EREP Investigation Number: S452

NASA Contract Number: NAS 9-13337

Principal Investigator: Victor I. Myers

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NASA Technical Monitor: Clayton Forbes
Operations Room
Code TF6
Johnson Space Center
Houston, Texas 77058

(E74-10670) [DEVELOP TECHNIQUES AND
PROCEDURES, USING MULTISPECTRAL SYSTEMS,
TO IDENTIFY FROM REMOTELY SENSED DATA
THE PHYSICAL AND THERMAL (South Dakota
State Univ.) 2 p HC \$4.00 CSCL 05B

N74-29700

Unclas
G3/13 00670

3.0 Report of work as identified in Ex. A (SOW) --- Contract NAS 9-13337

3.1 Progress Reports

a. Overall status ---

The transparencies from the multispectral scanner were digitized using a Macbeth Spot Densitometer for the 31 different fields which had ground truth. Ten random points were digitized within each field. The photographic products were reduced using the same method. Vertical ground shots were used to estimate the percentage fallow, green vegetation, and dried vegetation for each of the fields. The aircraft data will be analyzed for its use in assessing ground cover.

b. Recommendations ---

None at this time.

c. Expected accomplishments ---

The aircraft data will be analyzed as stated in part "a". Two personnel will attend the PI conference at JSC.

d. A readilyresults.....

None at this time.

e. Summary outlook ---

None at this time.

f. Travel summary ---

Travel by two personnel to the PI conference at JSC.