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

Title: Monthly Report to National  
Aeronautics and Space  
Administration

Report Type: Monthly Progress Report  
April 1975

EREP Investigation Number: S452

NASA Contract Number: NAS 9-13337

Principal Investigator: Victor I. Myers

Date Submitted: May 20, 1975

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

(E75-10298) DEVELOP TECHNIQUES AND  
PROCEDURES, USING MULTISPECTRAL SYSTEMS, TO  
IDENTIFY FROM REMOTELY SENSED DATA THE  
PHYSICAL AND THERMAL CHARACTERISTICS OF  
PLANTS AND SOIL Monthly Progress (South

N75-25245

Unclass  
G3/43 00298

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

3.1 Progress Reports

a. Overall status ---

The emphasis was placed on reduction of the MSS data from the C-130. The seven fields of the intensive test site were located and statistical data were determined. Comparison of fields which varied in land use and soil moisture characteristics were conducted using a repeated t-test on the means with associated variances.

b. Recommendations ---

None at this time

c. Expected accomplishments ---

A paper will be prepared for the Houston Conference in June, 1975.

d. A readily.....results.....

None at this time

e. Summary outlook ---

The ground-based ET assessments were conducted for seven different physical settings. The analysis will include a multistage approach for assessing ET of agricultural land.

f. Travel summary ---

None expected.