LANDSAT 4 BAND 6 DATA EVALUATION

Contract #NAS5-27323

8th Quarterly Report
September 15, 1984

Prepared for:
NASA/Goddard Space Flight Center
Greenbelt, Maryland 20771
Objectives:

The objectives of this investigation are to evaluate and monitor the radiometric integrity of the Landsat-D Thematic Mapper (TM) thermal infrared channel (Band 6) data to develop improved radiometric preprocessing calibration techniques for removal of atmospheric effects.

Accomplishments:

Efforts this period have concentrated on underflight data collection. Two successful flights were made on September 18 and October 6. The radiosonde data for these flights has been obtained. The TM data were ordered.

The TM photo images for the underflight of June 22nd were received and indicate good coverage. The digital data were received and returned when they were found not to be the proper tapes. A reorder has been placed.

Efforts during the next reporting period will concentrate on analysis of the underflight data. Flight logs for all underflights are attached.

Significant Results:

See attachment.

Publications:


Recommendations:

None this reporting period.
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Funds Expended:

$72,093.92 representing 52% of the total program effort.

Data Utility:

The potential for quantitative assessment of thermal features
TM Band 6 appears very high based on the limit data received thus far.

JRS/crs
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