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LANDSAT-2 QUARTERLY REPORT INVESTIGATION NO. 2312B

January 10, 1977

E77-10075

NASA.CR-49441

Mr. James Broderick NASA/Goddard Space Flight Center Code 902 Greenbelt, MD 20771

Dear Mr. Broderick:

This is a short quarterly report concerning work in progress on contract #NAS 5-20943, Technical Report 286-4.

We are continuing to explore the first order phenological discrimination for four LACIE test sights. We have completed the generation of two category signatures from each of Morton, Finney, Rice, and Saline counties. The results from the phenological discrimination process are being compared to both a first and second order Bayes rule. We expect the initial results to indicate that the first order phenological rule is better than a first order Bayes rule but worse than a second order Bayes rule.

In the forthcoming weeks, we will be completing the phenological discrimination on the four test sites and looking at the discrepancies between the first order Bayes, second order Bayes, and first order phenological rules.

Sincerely,

Gary J. Minden

Gary J. Minden Research Engineer

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