INVESTIGATION OF ERTS-I IMAGES FOR APPLICATION TO THEMATIC MAPPING

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ERTS-I

a. Title: Investigation of ERTS-I Images for Application to Thematic Mapping

ERTS-I Proposal No.: SR 116

b. GSFC ID No. of P.I.: IN 385

c. Problems:

Research related to cartographic application is still hampered by lack of RBV images. Theme extraction techniques relative to MSS imagery are being explored.

d. Accomplishments:

Three MSS scenes, including one of the Washington-Baltimore corridors, were analyzed; and the four basic gross themes were extracted from the 70 mm images. The same themes are now being extracted from 1:1,000,000 scale enlargements. These will be used for quality comparisons.

e. Significant scientific results:

Theme extractions from high quality 1:1,000,000-scale enlargements carry an encouraging amount of fine detail.

f. Published articles and reports:

None

g. Recommended changes in operations:

Turn on RBV cameras

h. Changes in standing order forms: N/A
i. ERTS Image descriptive forms: N/A
j. Changes in Data Request forms: None
k. DCP status: N/A