



ERTS 069

LONG ISLAND UNIVERSITY
SCIENCE ENGINEERING RESEARCH GROUP

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E7.3 10738
CR-133082

ADDRESS REPLY TO:
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15 April 1973

National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

Gentlemen:

RE: Type I Progress Report for the Period
15 February 1973 to 15 April 1973

This document is submitted herewith in reference to Contract No.
NAS5-21793 and includes the following:

- A) Title of the Investigation: In Situ Spectroradiometric Quantification of ERTS Data
- B) GSFC Identification Number: UN 295 (Dr. Edward Yost)
- C) Phase III activity on this contract has started from April. Frame No. 1210-17282 photographed by ERTS on 18 Feb. 1973 over Arizona test site was analyzed in detail by using multi-spectral additive color techniques. Color differences were noticed in Willcox Playa as compared to other frames of Willcox Playa analyzed previously.
- D) The imagery supplied by the Aircraft Program in support of this investigation is adequate for the purposes of this study. Aircraft imagery taken over the Arizona test site on 19 October 1971 in multispectral format is not usable due to bad vignetting and overexposure of the red record of the frame. Imagery taken on 24 Feb. 1972 is being used to correlate the in situ ground spectra and the ERTS imagery over the Arizona test site.

N73-26344

Unclas
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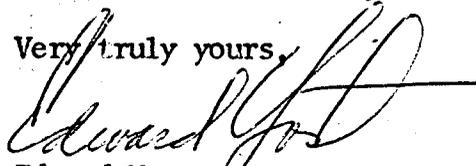
CSSL 05B G3/13

(E73-10738) IN SITU SPECTRORADIOMETRIC
QUANTIFICATION OF ERTS DATA Progress
Report, 15 Feb. 1973 - 15 Apr. 1973
(Long Island Univ.) 2 p HC \$3.00

ERTS 069 Type I Progress Report continued ...

- E) Image enhancement techniques will be employed for continuing data reduction of the MSS imagery in the next reporting interval in conjunction with the conventional techniques.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Edward Yost", written in dark ink. The signature is fluid and somewhat stylized, with a long horizontal stroke extending to the right.

Edward Yost
Professor and Director