REMOTE SENSING OF OCEAN CURRENT BOUNDARY LAYER
EREP PROJECT 108

May 1974
Contract Number T-4713-B

Principle Investigations Management Office
Lyndon B. Johnson Space Center

Z. H. Byrns, Technical Monitor

George A. Maul, Principle Investigator
National Oceanic & Atmospheric Administration
Atlantic Oceanographic & Meteorological Laboratories

MONTHLY REPORT

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
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Date: 14 June, 1974

Reply to Attn of: George A. Maul

Subject: Monthly Progress Report, T-4713-B Refer to RH1000-46M-48.03

To: Distribution List

This is the eleventh report on project EREP 108, and it covers the month of May 1974.

All aerial and spacecraft photographs for the 8 January experiment have been received except that only S190B color transparancies are on hand. Dr. Baig has completed preliminary measurements of blue/green ratios and concludes that the Loop Current can not be distinguished from other Florida Straits water during this experiment. A large mass of Florida Bay water was observed in the photographs and this has a distinctively different ratio from Florida Straits water. Final requests for S191 and S192 data have been submitted, but the data tapes have not yet arrived; this is now impeding Dr. Gordon's progress on the theoretical aspects of the proposal.

Enclosed is one copy (sent to Z. Byrns) of the requested report entitled: Some Preliminary Thoughts on the Temporal and Spatial Requirements for Observing Ocean Currents from a Remote Sensing Platform, and the original figures. Due to time constraints extra copies of figure 2 are not available at this writing. Also enclosed is NOAA Technical Report ERL 225-AOML 5. Although the date on the report is 1971, the physical requirements stated therein are still appropriate.

Recipients of the financial report are marked by an asterisk on the attached distribution list.

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