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E7.6-10.0.80  
CR-145885

APPLICATION OF REMOTE SENSING  
FOR FISHERY RESOURCE  
ASSESSMENT AND MONITORING

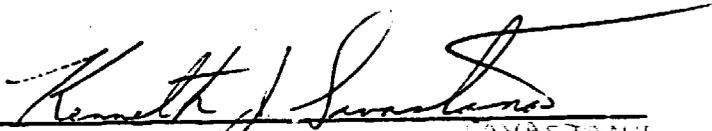
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SKYLAB EXPERIMENT NO. 240

CONTRACT No. T-8217B

PROGRESS REPORT NO. 20

REPORTING PERIOD: 1 September to 15 November 1975

Approved:   
KAVASTANA

Date Submitted: 11/26/75

(E76-10080) APPLICATION OF REMOTE SENSING  
FOR FISHERY RESOURCE ASSESSMENT AND  
MONITORING Progress Report, 1 Sep. - 15  
Nov. 1975 (Mississippi Test Facility) 3 p  
HC \$3.50

N76-14563

Unclas  
00080

CSSL 08A G3/43

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**APPLICATION OF REMOTE SENSING  
FOR FISHERY RESOURCE  
ASSESSMENT AND MONITORING**

**INTRODUCTION**

This is report #21 of a series of progress reports required by the Statement of Work for Skylab Experiment #240 entitled "Application of Remote Sensing for Oceanic Gamefish Assessment and Monitoring" under Contract No. T-8217B.

**OVERALL STATUS**

The S192 processing and analysis has been completed. The data from spectral bands 2, 3, 6 and 7 were used to develop a white marlin distribution model. The correlation coefficient for this model was .892 which was an improvement over .489 for a model constructed entirely with sea truth data ( $D_5$ ). The significance level for this model was 90 percent as compared to 60% for the model  $D_5$ . Therefore, the increase in precision of the model can be attributed to the data from the S192 sensor.