Obtained from Claire Nov 80

BLUEFIN

5 May - 9 May/80

80006

EQUIPMENT USED

A. JAY-MAR UNDERWATER TV SYSTEM W/SONY VIDIOCORDERS AND MONITERS, RCA VIDIO TIME DATE GENERATOR

B. EG&G SIDE SCAN SONAR SYSTEM MODEL NO. 259

C. ORE 3.5 KHZ SUB BOTTOM PROFILING SYSTEM MODEL 140 W/ OVER THE SIDE TRANSDUCER MOUNTING SYSTEM

D. EG&G UNIBOOM MODEL 232A, DEL NORTE SIGNAL PROCESSOR 502A HOMEMADE HYDROPHONE STREAMER

0600 5 MAY 80 LEFT SKIDAWAY ISLAND

0900 STARTED DEPLOYING GEAR AFTER TRIAL AND TRIPS GOT ALL SYSTEMS GOING. 3.5 HAD TO BE PULLED TO DRY OUT PLUGS. GREASED AND RETURNED TO WATER SYSTEM O.K. SAME PROBLEM WITH SIDE SCAN. PLUG PULLED LOOSE RE-RIGGED RETURNED TO WATER O.K. UNIBOOM IS SO OLD I'M SURE NOAH HAD IT ON HIS FIRST CRUISE. AFTER SETTING THE SPARK GAP A FEW TIMES ITS WORKING O.K. GETTING CROSS TALK FROM 3.5 ON UNIBOOM RECORD. TRIED NUMEROUS WAYS OF ISOLATING THE SYSTEMS WITH NO LUCK. NO PROBLEM WITH RECORDS. I CAN PHASE THE 3.5 OUT OF THE UNIBOOM RECORD.

1700 READJUSTED SPARK GAP ON UNIBOOM AND NOTICED THE CONNECTOR ON THE SLED WAS ARCING IN THE WATER. PULLED SLED AND REPOTTED CONNECTOR IT WAS BROKEN OFF

0700 6 MAY 80 REDEPLOYED UNIBOOM SLED AND IT WORKED OK. QUIET DAY ALL SYSTEMS GO EXCEPT FOR CROSSTALK WE TAKE OUT TV SLED EVERYDAY ABOUT DARK AND DEPLOY AT DAYLIGHT

0700 7 MAY 80 ALL SYSTEMS O.K.

300 TV SYSTEM DOWN LOST PICTURE AFTER ELIMINATING EASY THINGS DECIDED IT WAS THE CAMERA. PULLED SLED AND CAMERA WAS THE PROBLEM. REPLACED AND PUT SLED BACK IN WATER O.K. EXCEPT LITTLE OUT OF FOCUS. FIND OTHER CAMERA. WHEN WE PULL SLED AT DUSK WILL CHANGE AND REFOCUS.

1900 PULLED SLED AND REPLACED CAMERA. TESTED IT AND IT LOOKS GOOD. WILL KNOW FOR SURE WHEN WE PUT SLED IN TOMORROW.

* NOTE THRUOUT THE CRUISE SHIPS POWER HAS BEEN VERY SHAKEY. THE 220 FOR THE UNIBOOM ESPECIALLY

0800 8 MAY 80 DEPLOYED TV SLED AND ITS WORKING FINE SEA STATE IS ROUGH AND ITS OVERCAST BUT WE ARE STILL GETTING A GOOD PICTURE. CHANGED SIDE SCAN RECORDERS THE ONE WE WERE USING IS KAPUT. UNIBOOM IS STARTING TO ACT UP A

LITTLE BUT I'M NOT SURE ITS THE UNIBOOM OR SHIPS POWER

1800 WEATHER STARTED GETTING BAD. PULLED TV SLED AT ABOUT 1900. ALL OTHER SYSTEMS O.K.

0330 9 MAY PULLED ALL SYSTEMS AND HEADED FOR SKIDAWAY. ARRIVED

0730 *NOTE ALL SYSTEMS FUNCTIONED O.K DURING CRUISE, WE COVERED ALL OF THE PRESCRIBED LINE PLUS ANOTHER COUPLE OF AREAS DR. HENRY WANTED DATA ON.

PERSONEL IN SCIENTIFIC PARTY

DR J. HENRY - CHIEF SCIENTIST
D. FOLEY - GRAD STUDENT
J. MARTINEZ - GRAD STUDENT
M. BUTTERWORTH - GRAD STUDENT
E. ALLISON - GRAD STUDENT
M. MASSAD - GRAD STUDENT
A. GOODMAN - TECHNICIAN