

19880908I1-AXBT

SEP 8 1988

SEP 8 1988

E.4 Air-Sea Interaction Scientist (On-board)

The on-board Air-Sea Interaction Scientist (ASIS) is responsible for data collection from airborne expendable bathythermographs (AXBT's), airborne expendable current profilers (AXCP's), and sea surface temperature radiometers (if these systems are used on the mission). Detailed calibration and instrument operation procedures are contained in the air-sea interaction (ASI) manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

E.4.1 Preflight

- DM 1. Determine the status of equipment and report results to the on-board Lead Project Scientist (LPS).
- JM 2. Confirm mission and pattern selection from the on-board LPS.
- JM 3. Select the mode of operation for instruments after consultation with the HRD/ASIS and the on-board LPS.
- JM 4. Complete appropriate preflight checklists as specified in the ASI manual and as directed from the on-board LPS.

E.4.2 In-Flight

- JM 1. Operate the instruments as specified in the ASI manual and as directed by the HRD/ASIS unless superseded by directions from the on-board LPS.

E.4.3 Postflight

- \_\_\_\_\_ 1. Complete summary checklist forms and all other appropriate checklist forms.
- \_\_\_\_\_ 2. Brief the on-board LPS on equipment status and turn in completed checklists to the LPS.
- \_\_\_\_\_ 3. Debrief as necessary at the appropriate operations center (FGOC or MGOC).
- \_\_\_\_\_ 4. Determine the status of future missions and notify appropriate operations center (FGOC or MGOC) as to where you can be contacted.

182A-1320P08891

Flight 880908I1

	<u>Number</u>
(1) Probes dropped . . . . .	_____
(2) Failures . . . . .	_____
(3) Failures with no signal . . . . .	_____
(4) Failures with sea surface temperature, but terminated above thermocline . . . . .	_____
(5) Probes which terminated above 250 m, but below thermocline . . . . .	_____
(6) Probes used by channel no . . . CH12 . . . . .	_____
. . . CH14 . . . . .	_____
. . . CH16 . . . . .	_____
. . . CH__ . . . . .	_____

NOTES



Flight No. 880908I1

Takeoff time 1821Z

Storm Florence

AXBT/AXCP Contract No. \_\_\_\_\_

Landing time \_\_\_\_\_

## AXBT AND AXCP CHECK SHEET

SEP 8 1988

11 drops / 3 failed

AXCP/ AXBT#/ Type	Chan- nel#	Lot#	Predicted Drop Time (HHMMSS)	Actual Drop Time (HHMMSS)	Predicted Lat Deg Min	Predicted Long Deg Min	Actual Lat Deg Min	Actual Long Deg Min	Surface Temp AXBT IRT	MLD (m)	Comments
S											
BT	16		2218	221802			23° 12'	87° 00'	28.8	MA	
	14		2231	223050			23° 49'	88° 00'	28.9		
	12		223830	223830			24° 00'	88° 34.5'	28.8		
	16		224755	224755			24° 23'	89° 26'			in 5 failed carrier
	14		225219	225219			24° 33'	89° 53'	29.2		
	12			231800			23° 0'	92° 0'	28.9		
	16			010206			23° 32'	89° 9'	28.8		
	14			011002			24° 11.1'	89° 11.5'			
	12			011708			24° 47'	89° 10.8'			no carrier
	16			015900			24° 24'	87° 55'			no carrier
	16			021600			24° 30'	86° 20'	28.7		

\*Type M=Magnavox H=Hermes S=Sippicar

Landing Time:

[illegible][illegible]