

19980919I1-AXBT

E.4 Boundary-Layer Scientist (On-Board)

The on-board boundary-layer scientist (BLS) is responsible for data collection from AXBT's, AXCP's, BUOY'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

- 1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
- 2. Confirm mission and pattern selection from the on-board LPS.
- 3. Select the mode of operation for instruments after consultation with the HRD/BLS and the on-board LPS.
- 4. Complete appropriate preflight check lists as specified in the ASI manual and as directed from the on-board LPS.

E.4.2 In-Flight

- 1. Operate the instruments as specified in the ASI manual and as directed by the on-board LPS.

E.4.3 Postflight

- 1. Complete summary check list forms and all other appropriate check list forms.
- 2. Brief the on-board LPS on equipment status and turn in completed check lists 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.

SHOULD ASK ENGINEERS TO
 SET UP PRINTOUT IN BACK
 TO SHOW SSTs (+ sub surface)...

Form E-4
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AXBT and AXCP Check Sheet

Flight Number 980919I
 Take-off Time 1744 UTC
 Storm GEORGES

AXBT/AXCP Contract Number _____

Landing Time _____

in seconds

AXCP/ AXBT#/ Type	Channel Number	Lot Number	Predicted Drop Time (HHMMSS)	Actual Drop Time (HHMMSS)	Predicted		Actual		Actual		Surface		MLD (m)	Comments
					Lat. Deg. Min.	Long. Deg. Min.	Lat. Deg. Min.	Long. Deg. Min.	Long. Deg. Min.	Temp. AXBT IRT				
AXBT	12			1911							28.6		205	
-	16			1918							29.0		?	
-	14			1923										NO SHOW?
-	12			1933							28.0		405	
-	16			1946							28.3		255	
-	12			1953							?		?	
-	16			2008							28.8		205	

*M = Magnavox; H = Hermes; S = Sippican.

