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-Fligh	
	_ 1.	Operate the instruments as specified in the ASI manual and as directed by the on-board LPS.
E.4.3	Postflig	ht
	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.

Flight _______

			Number
(1)	Probes dropped		6 (015)
(2)	Failures		1 (012)
(3)	Failures with no signal		1 (00
(4)	Failures with sea surface temperature, but above thermocline		0
(5)	Probes that terminated above 250 m, but	t below thermocline	3
(6)	Probes used by channel number	CH12	$\frac{1}{1}$
		CH14	
		CH16	_5_
		CH	

NOTES

SHOULD ASK ENGINEERS TO
SHOULD ASK ENGINEERS TO
SET UP PRINTOUT IN BACK
TO SHOW 55TS (+ Sub Swrface)...
Form E-4
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Flight Number <u>980911</u>	AXBT/AXCP Contract Number
Take-off Time 1744 010	Landing Time
Storm GEORGES	

AXCP/ AXBT#/ Type	Channel Number	Lot Number	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
AX8T	12			19 [1					28-6	205	
\(\frac{1}{2}\)	.,			1918					29.0	?	
	14			1923	_						-No Show
4	12			1933				1.0	28-0	405	
1	111			1946					28.3	255	
-1	16			1953					7	2	
-1	12		-						28.8	205	
- '	16			2008					200		
										+	
										+	
	+										

^{*}M = Magnavox; H = Hermes; S = Sippican.

AXCP Log

Flight Number	
Storm Name	-
Storm Direction/Speed	
Take-off Time	
Landing Time	

Leg #	Out/In	RA (m)	PMIN (mb)	VMAX (m/s)	RMAX (km)	Time PMIN	Time VMAX	Time End Pass
						120		
		7-7-						
							7.7	

Lea/				Channel No.	e Channel	Probe	Туре	1000					Sta	tus	
eg/ rop T o.	Tube No.	Tube No.	Slow				Ground	Predicted Drop Time	Actual Drop Time	Latitude	Longitude	Good	Bad	Comments	
70															
\dashv															
\dashv			1	_											
-						 									
		-													
			-		-			1	1						
			-		-		 		 						
			-				-	-		 		-			
						3									