## **Boundary-Layer Scientist**

The boundary-layer scientist (BLS) is responsible for data collection from AXBTs, AXCPs, AXCTDs, buoys, and SST radiometers (if these systems are used on the mission). General supplementary procedures follow. (Check off or initial.)

Prefligh	t .					
1	1. Determine the status of equipment and report results to the Lead Projet Scientist (LPS).					
2	. Confirm mission and pattern selection from the LPS.					
3	. Select the mode of operation for instruments after consultation with the LPS.					
4	. Complete appropriate preflight check list.					
In-Fligh	t					
1	. Operate the instruments as directed by the LPS.					
Post flig	ht					
1	. Complete summary checklist and all other appropriate forms.					
2	Brief the LPS on equipment status and turn in completed checklists and any data tapes to the LPS.  [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]					
3	. Debrief as necessary at base of operations.					
4	Determine the status of future missions and notify MGOC as to where you can be contacted.					

## AXBT and Sonobuoy Check Sheet (revised 6/23/04)

Flight Number 090626 J2 Storm T5 Daywy Storm Direction/Speed \_\_\_\_\_\_\_

Take-Off Time 09 Landing Time \_\_\_\_\_\_

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp. AXBT	MLD (m) (#secs x 1.5)	Comments
	17	2146	25.55	76.0				10 reading, failure
2	112	2200	25.4	75.0	270155	28.3	30	
3	12	221105	25.25	74.0	221355	28.3	50	
4	12	221450	25.24	73.7	221750	28.3	50	combo al OPSI
5	12					Total of the second		
6	(2	0228	27.1	73.3	023200	28,0	15m	
7	12	0235	27.24	74.07	024030	28.2	30 m	
8	12	0245	27,39	75.1	024945	28.2		God profiles
9	(2					28.3	30	
(0	12	0306	27.5	77	030950	28; Z	30	
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