

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.)

Preflight

- _____ 1. Determine the status of equipment and report results to the Lead Project 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-Flight

- _____ 1. Operate the instruments as directed by the LPS.

Post flight

- _____ 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 Summary

Flight ID _____ Boundary-Layer Scientist _____

Storm or Project Name _____

	Number of
(1) Probes dropped	_____
(2) Failures	_____
(3) Failures with no signal	_____
(4) Failures with SST but terminated above thermocline	_____
(5) Probes terminated above 250 m but below thermocline	_____

		Number of
(6) Probes used by channel number	CH-12	_____
	CH-14	_____
	CH-16	_____
	CH-__	_____

NOTES:

26 15

70 25

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

Flight Number 09082712 Storm TS Dawy Storm Direction/Speed —Take-Off Time 2006 UTC Landing Time —

✓ add 0.9 to all of these

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Stc Temp. AXBT	MLD (m) (#secs x 1.5)	Comments
1	12	205345	28	79	205700	28.5	50	
2	12	210430	28	78	20835	28.4	30	
3	12	2116	28	77	2170	28.3	30	
4	12	2128	28	76	2132	28.2	30	
5	12	2142	28	75	2146	28	20	
6	12	2222	28	71.4	2225	27.5	20	
7	12	2254			2257	27.5	30	
8	12				232000			
9	12	2350	27.5	70.5	2353	27.5	20	
10	12	0021	25.75	70.6	002300	27.6	30	
11	12	0026	26	69.5	003820	27.7	30	
12	12	0109	27.8	70.45	010530	27.6	40	
13	12	0130	29.5	71.7	0133	27.5	30	
14	12	0146	29.2	73	0150	28.0	30	
15	12	0156	29.1	74	0201	27.8	30	
16	12	020713	29.0	75	02030	28	20	
17	12	0217	28.85	76	022230	28	20	
18	12	0228	28.8	77	0232	28.3	30	

Flight Number	Storm	Storm Direction/Speed
090827R2	TS Panny	

Take-Off Time	2006 UTC	Landing Time

[illegible]