## **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). 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 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 HRD/BLS and the LPS.

4. Complete appropriate preflight check lists as specified in the ASI manual and as directed from the LPS.

## In-Flight

Operate the instruments as specified in the ASI manual and 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 to the LPS.

3. Debrief as necessary at MGOC or the hotel during a deployment.

Determine the status of future missions and notify MGOC as to where you can be contacted.

AXBT and Sonobuoy Check Sheet Summary						
Flight 200 56 9 17 H Aircra	ft 42rf	Operator	Leigner/Valde			
Number		1 Planed				
(1) Probes dropped	-	1				
(2) Failures	-					
(3) Failures with no signal	-					
(4) Failures with sea surface te	mperature,	but terminated	above thermocline			
(5) Probes that terminated above 250	m, but below	thermocline				
(6) Probes used by channel number	CH-12					
	CH-14					
	CH-16	A	11			
	CH					
NOTES:						

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

Flight Number 050917H1	Storm ophelic	Storm Direction/Speed	(NE)
Take-Off Time 161102	Landing Time 234714		

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	See Temp.	MLD (m) (#secs x 1.5)	Comments	
	16	165548	42.07	67.37	17100	15.5	22	Storm Cuter	730 se-
2	14	213049	43.35	64.77	213420	17.0	22 557.5	E of CENTER"	
3	16	214634	43.35	66,34	44957	10	1395 358.5	CENTER - Shallo	W
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