## **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.]
2	Debuief as necessary at base of enerations
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 Scient	list					
Storm or Project Name							
(1) Probes dropped	Number of						
(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 nu	umber CH-12						
	СН-14						
	CH-16						
	CH						
NOTES:		A Table 18 - 18 Table 18 - 18 Table 18					

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

Flight Number 20180820HZSto	orm <u>lane</u>	Storm Direction/Speed	
Take-Off Time 1424 2	Landing Time		

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp.	MLD (m) (#secs x 1.5)	Comments
1	12	160748 2	140471	152° 4'	16092	27.80	(**************************************	
2	17	1706 Z						eyewal no SST/data
3	12	1832 2			A CONTRACT OF A CONTRACT OF CO			eyewall data/s
4	14 7	-	Notice that the second			26-27		uncertain
5	12					27.5		Beginning of
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## AXBT and Sonobuoy Check Sheet (revised 6/23/04)

Flight	ght NumberStorm				Storm Direction/Speed			
Take-Off Time Landing Time								
Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp. AXBT	MLD (m) (#sees x 1.5)	Comments
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