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.)

Prem	gnı	
	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-Flig	ght	
	1.	Operate the instruments as specified in the ASI manual and as directed by the LPS.
Post fl	ight	
	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.
	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 050706 Storm Dennic Storm Direction/Speed								
Take-O	off Time 2	156	Landin	g Time	** **			
Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp.	MLD (m) (#secs x 1.5)	Comments
1		0115	17.45	73,71		2800		
3		0000	15.96	73,73		28°C		
3		0255	17.21	72.65	The state of the s	28°C		
4		~0318	~16.78	~73,65		3.5		
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