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

_____ 1. 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.

_____ 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 081107I Storm Paloma 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) (#secs x 1.5)	Comments
1	17	052525	17.14	84.10	052749	27.9	60	
2	↓	055000	17.31	82.00	055340	28.1	50	W.E.W.
3		055730	17.43	81.53	060000	28.1	50	
4		061452	17.53	80.34	061710	28.1	30	
5		063825	18.10	81.75	064050	28.0	60	
6		065425	17.62	81.75		28.0		
7		065829						Dud
8		071425	16.26	81.66	071710	28.1	60	
9		072612	16.71	80.87				
10		074025	17.49	81.61				
11		074815	17.75	81.80				
12		080315	18.30	82.66		28.4	70	
13		082332	16.82	82.48		28.0	40	
14		083721	17.62	81.76		28.0		
15		084155	17.88	81.49				Dud
16		090123	18.89	81.19	090410	28.2		
17								
18								