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 Determine the status of equipment and report results to the lead project scientist (LPS). Confirm mission and pattern selection from the LPS. Select the mode of operation for instruments after consultation with the HRD/BLS and the LPS. 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 Complete summary checklist and all other appropriate forms. Brief the LPS on equipment status and turn in completed checklists to the 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 WX 18A Lita Aircraft N432F Operator Tripoli Murtik
Number
(1) Probes dropped
(2) Failures <u>1</u> stuck in tube
(3) Failures with no signal
(4) Failures with sea surface temperature, 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 <u>2</u>
CH
NOTES:
the 2nd BT was not monitored because the graphics screen went blank one of the will be the graphics
NGCOL DI MACOLI TELE
stuck in the tube

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

Flight Number WX184 RHa	Storm Hurricane Rita	Storm Direction/Speed 270	18
Take-Off Time 140015	Landing Time 21:05 1	5	4- 3

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp. AXBT	MLD (m) (#secs x 1.5)	Comments
/	R	15-1430	24,25	8541		26	135m+	graphics went at
2	12	152013						screen went blank
3	16	152630	24.16	86.06				screen was reset
4	16	1557				29.2	67m	7
5	160	1608	24.5	85.8	A security and a set a security of an analysis of a security of a securi	28.5	4366	autorace N' eyendl
6	12	174734	25-12	86.42		28-3	67m	in rainband
7	12	185410	23.59	85.84		25.3	90m	
8	1	FILE	24,21	86.12				
9	12	192204	24.35	86.56	A second	29.2	90m	
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