Uhlhorn

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.)

Preflig	ght	
	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	light	
	1.	Complete summary checklist and all other appropriate forms.
	2.	Prief 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.

NOAA 42 Chit # (2nd Drop)

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

Flight Number	050629I Storm Test	Storm Direction/Speed _	
Take-Off Time _	1305 UTC Landing Time		

Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp. AXBT	MLD (m) (#secs x 1.5)	Comments
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