WXWXE Suspect

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	
Sy 1.	Determine the status of equipment and report results to the lead project scientist (LPS).
SU 2.	Confirm mission and pattern selection from the LPS.
8 <u>4</u> 1/3.	Select the mode of operation for instruments after consultation with the HRD/BLS and the LPS.
84 / 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 Summary

Flight 20050715 H1 Aircra	oft <u>NYZRF</u>	_Operator _		
Number				
(1) Probes dropped				
(2) Failures				
(3) Failures with no signal				
(4) Failures with sea surface to	emperature, but	terminated	above	thermocline
(5) Probes that terminated above 250	m, but below ther	mocline		
(6) Probes used by channel number	CH-12			
	CH-14			
	CH-16			
	CH			
NOTEC.				

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

TFEX - TCSP.

Flight Number 20050715H1 Storm Series Storm Direction/Speed

Take-Off Time 1752 42 JTC 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	19	183728	7.47~	84-25 W	183941	27.5	15 m	
2		191554	6.00 N	86.51W	191845	27.1	30 m	The second secon
3		200540	9,35 N	85.34 W	201236	28.5	15m	AXBT had problem on ex
4		205720	6.58 N	88101 W	210025	27/3	30m	
5		214854	10,01 N	86.76W	215218	28.3	415m	Temp decreased almost right after splashdown
6		224545	6,83 N	89.5LW				Nodata
7		000600	7.43 N	91.28 W	000902	27.5	30m	
8		003457	5.50 N	90.32W	003749	27-2	30 m	CONTRACTOR OF THE PROPERTY OF
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