ultworn

Boundary-Layer Scientist

The on-board 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 and initial.)

Preflight

_____ 1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).

_____ 2. Confirm mission and pattern selection from the on-board LPS.

_____ 3. Select the mode of operation for instruments after consultation with the HRD/BLS and the on-board LPS.

_____ 4. Complete appropriate preflight check lists as specified in the ASI manual and as directed from the on-board LPS.

In-Flight

_____ 1. Operate the instruments as specified in the ASI manual and as directed by the on-board LPS.

Post flight

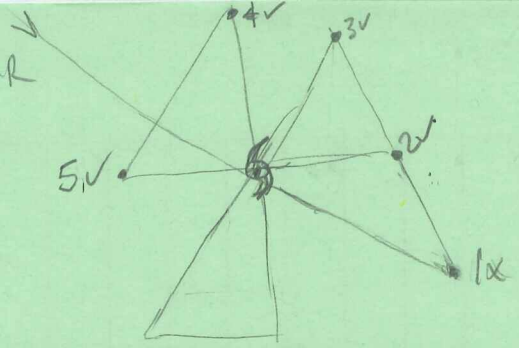
_____ 1. Complete summary checklist forms and all other appropriate check list forms.

_____ 2. Brief the on-board 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.

- Subtracted 3K off QSFMR 6.96 & 7.22 GHz offset coeffs to get rainrates more reasonable



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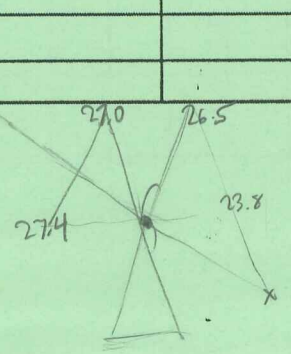
AXBT and Sonobuoy Check Sheet (revised 6/23/04)

Flight Number 040924I **Storm** JEANNE **Storm Direction/Speed** _____

Take-Off Time 1500Z **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	12	180100	25.94	71.74	—	—	—	—
2	12	181157	26.74	72.15	181320	23.8	?	
3	12	182129	27.43	72.52	182314	26.6	45	
4	12	195115	27.62	73.35	195232	27.0	50	
5	12	201220	26.39	74.56	201412	27.4	50	
6	12	204539	26.50	72.42	—	—	—	-No fire-



- TNSD running high (~47°C vs 40°C)
- TREF OK (~39°C)

AXBT Log

Flight Number 040924I

Take-Off Time 1500Z
Landing Time _____

Storm _____ Storm Direction/Speed _____

Leg/ Drop #	Channel #	Probe Type		Launch Time (HHMMSS)	Latitude (decimal)	Longitude (decimal)	Status		Comments
		Slow	Reg				Good/	Bad	