

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.

196858
194233
28
22

AXBT and Sonobuoy Check Sheet Summary

Flight 050709I Aircraft 43 Operator _____

Number

(1) Probes dropped _____

(2) Failures _____

(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 _____

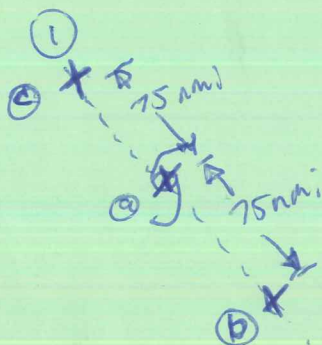
CH-16 _____

CH-__ _____

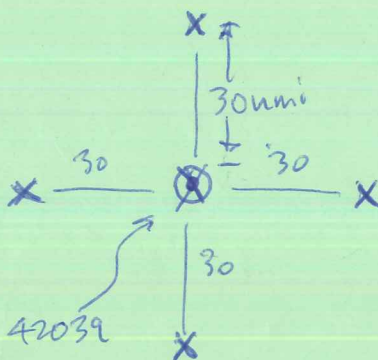
NOTES:

2 patterns: ① In-Storm

② Ahead of Storm @ WDBC 42039



②



③ @ Buoy 42036

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

Flight Number 70050709I Storm Dennis Storm Direction/Speed 315°/15 kts

Take-Off Time 1400 Z (MROQ) Landing Time _____

[illegible]

42039

cts
 5000
 @2000
 (no)

2nd sande
@ 22305
(good)

GPS
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