

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.

AXBT and Sonobuoy Check Sheet Summary

Flight 050714H Aircraft N42RF Operator Uhlhorn

Number

(1) Probes dropped 8

(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:

