

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). 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 LPS.
4. Complete appropriate preflight check list.

In-Flight

1. Operate the instruments 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 and any data tapes to the LPS.
[Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
3. Debrief as necessary at base of operations.
4. Determine the status of future missions and notify MGOc as to where you can be contacted.

First two buoys failed. Last three got at least SST.
Drop "number" was recorded starting at 1. The corresponding
dropsonde number should be retrieved.

AXBT and Sonobuoy Check Sheet Summary

Flight ID 2019 0710 H1 Boundary-Layer Scientist Alford

Storm or Project Name PTS #2 / Barry

	Number of		Number of
(1) Probes dropped	<u>5</u>		
(2) Failures	<u>2</u>		
(3) Failures with no signal	<u>2</u>		
(4) Failures with SST but terminated above thermocline	<u>0</u>		
(5) Probes terminated above 250 m but below thermocline	<u>0</u>		
(6) Probes used by channel number	CH-12	<u>2</u>	
	CH-14	<u> </u>	
	CH-16	<u>3</u>	
	CH-__	<u> </u>	

NOTES:

- 2 complete failures
- 3 successful SST observations
- depth of profiles unknown. AVAPS was the only observer for data.

