

20190711#1  
Nick Johnson

## 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.

AXBT and Sonobuoy Check Sheet Summary

Flight ID 20190711 H1 Boundary-Layer Scientist Nick Johnson

Storm or Project Name PTC 02

- |                                                         | Number of   |
|---------------------------------------------------------|-------------|
| (1) Probes dropped                                      | <u>5</u>    |
| (2) Failures                                            | <u>3</u>    |
| (3) Failures with no signal                             | <u>3</u>    |
| (4) Failures with SST but terminated above thermocline  | <u>1</u>    |
| (5) Probes terminated above 250 m but below thermocline | <u>    </u> |

- |                                   |       | Number of   |
|-----------------------------------|-------|-------------|
| (6) Probes used by channel number | CH-12 | <u>5</u>    |
|                                   | CH-14 | <u>    </u> |
|                                   | CH-16 | <u>    </u> |
|                                   | CH-__ | <u>    </u> |

NOTES:

of the two that worked one was <sup>(drop #4)</sup> very good and the second (drop #5) was intermittent.

