

## Boundary-Layer Scientist

20121028H1

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 2012028H1 Boundary-Layer Scientist Markus

Storm or Project Name Sandy

- |                                                         | Number of       |
|---------------------------------------------------------|-----------------|
| (1) Probes dropped                                      | <u>18</u>       |
| (2) Failures                                            | <u>6</u>        |
| (3) Failures with no signal                             | <u>6</u>        |
| (4) Failures with SST but terminated above thermocline  | <u>        </u> |
| (5) Probes terminated above 250 m but below thermocline | <u>        </u> |

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

NOTES:

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

Nautilus

Flight Number 2012102841 Storm Sandy Storm Direction/Speed N

Take-Off Time 0758 Landing Time \_\_\_\_\_

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Stc Temp. AXBT	MLD (m) (1 sec x 1.5)	Comments
1		0946						bad 100nm S of
2		0956				25.8		S eye wall
3		1003				25.6		center of
4		1015				—		bad in N eye wall
5		1030				—		bad 120 nm NW of
6		1055				26.7		120 nm NW of
7		1112				—		bad NW eye wall
8		1135				25.7		mid point SE of
9		1145				25.3		pt 100 nm SE of
10		1219				25.8		end 100 nm NE
11		1233				25.3		mid point
12		1239				25.4		inside eye wall
13		1243				25.3		center
14		1254				—		bad
15		1302				25.5		75 nm SW of
16		1308				—		bad 100 nm SW of
17, 18		1313				—		bad 120 nm SW of