

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 (revised 6/23/04)

Flight Number 2014080341 Storm Bertha Storm Direction/Speed 320/18 Kts

Take-Off Time 1754 UTC Landing Time _____

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp. AXBT	MLD (m) (#secs x 1.5)	Comments
1	12	195840	21 40'	73 41'		28.8		1P South
2	16	201115	22 32	73 40'		28.8		mid pt south
3	12	202714	23 20'	73 05'		27.9		Center - Bad
4	16	204022	24 12'	73 04'		28.8		mid pt. north
5	12	205156	25 01'	73 04'		28.8		Turn pt north
6	16	212445	23 19'	74 47'		29.1		Turn pt west
7	12	213642	23 19'	73 55'		29.2		mid pt west
8	16	215617	23 45'	72 40'		28.7		Center ✓
9	12	220941	23 46'	71 41'		28.4		mid pt East
10	16	222105	23 43'	70 51'		28.5		Turn pt East
11	12	223805	24 56	71 23'		28.5		Turn pt NE. 1B
12	16	225105	24 21'	72 04'		28.5		mid pt NE
13	12	225951	24 04'	72 40'		28.7		
14	16	2251	24 21'	72 04'		28.7		1B East
14		230202	23 53'	72 47'		X		Center ✓
15		231649	23 15'	73 27'		28.6		mid pt SW

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