

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)

Script: Josh Allard

09:26

Flight Number _____ Storm Gordon Storm Direction/Speed WNW at 13 kts (15 mph)
 Take-Off Time 4:33 am (18:30 UTC) Landing Time 15:22:00 UTC

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp. AXBT	MLD (m) (#secs x 1.5)	Comments
1	2?	09:09:00	27°57'15"N	84°50'16"W	—	28°C	—	Combo
2	12	09:45:38	27°46'46"N	87°43'44"W	—	—	—	Combo
3	3	10:34:40	27°7'37"N	85°59'57"W	—	28°C	—	Combo
4	12	11:10:25	29°38'41"N	86°4'25"W	11:14:38	27.65°C	—	Combo, sonde dropped
5	12	11:27:25	29°36'52"N	87°36'3"W	11:32:47	26°C	—	Combo
6	12	12:11:20	27°19'42"N	85°25'15"W	—	—	—	Combo
7	12	13:12:26	28°50'59"N	86°1'14"W	—	—	—	Combo; sonde died
8	12	13:42:55	27°24'15"N	87°35'1"W	—	27.33°C	—	Combo

Combo: sonde + BT.

first. BT
 BT dropped 1 minute later