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 __20210828 I 1__ Boundary-Layer Scientist ___ALAKA___

Storm or Project Name ___IDA EMC___

Number of

(1) Probes dropped ___19___

(2) Failures ___1___

(3) Failures with no signal ___1___

(4) Failures with SST
but terminated above
thermocline ___0___

(5) Probes terminated
above 250 m but below
thermocline ___0___

Number of

(6) Probes used by channel number (CH-12) ___19___

CH-14 _____

CH-16 _____

CH-__ _____

NOTES:

1 "Failed" probe may have transmitted, but I didn't
see it on the plane

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

Flight Number 20210828I1   Storm IDA 09L   Storm Direction/Speed NW @ 13 kt

Take-Off Time 07:57Z   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
IP	1	12	094908	25.0	86.5	094213	~~24.62~~		↑29.59
MP	2	12	093159	24.5	86.0	093436	~~27.21~~		29.25
C	3	12	094455	24.0	85.2	094800	~~28.24~~		28.97
MP	4	12	100105	23.4	84.5	~~100843~~	~~N/A~~ 28.96		~~No data~~
EP	5	12	101114	23.2	83.8	101350	~~28.12~~		29.14
EP	6	12	104200	25.2	84.4	104344	~~28.49~~		28.93
MP	7	12	105040	24.8	84.9	N/A	N/A		No data
RMW	8	12	105830	24.4	85.2	110110	~~27.14~~		31.26
MP	9	12	112123	23.3	86.5	112659	28.62		
EP	10	12	112720	23.0	86.8	113443	27.31		Channel picked up prev. BT → NO DATA
EP	11	12	114320	23.2	85.6	114632	25.93		Too low?
MP	12	12	115410	23.7	85.6	120116	25.87		Too low?
MP [	13	12	123630						
EP {	14	12	122223	25.6	85.8	123112	29.37		
EP	15	12	130116	24.7	87.9	131111	27.78		
MP	16	12	134740	24.7	86.8	135030	29.19		

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

Flight Number 20210828I1   Storm IDA

Storm Direction/Speed NW @ 13 kt

Take-Off Time 07:57 Z   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
C Reset	17	12	140150	24.8	85.9	140840	28.73		28.98
MP	18	12	141540	24.7	84.9	142148	29.86		27.36
EP	19	12	142930	24.7	84.0	143930	28.88		