E.4   Boundary-Layer Scientist

The on-board boundary-layer scientist (BLS) is responsible for data collection from AXBTs, AXCPs, AXCTDs, BUOYs, and sea surface temperature radiometers (if these systems are used on the mission). Detailed calibration and instrument operation procedures are contained in the air-sea interaction (ASI) manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

E.4.1   Preflight

_____   1.   Determine the status of equipment and report results to the on-board lead project scientist (LPS).

_____   2.   Confirm mission and pattern selection from the on-board LPS.

_____   3.   Select the mode of operation for instruments after consultation with the HRD/BLS and the on-board LPS.

_____   4.   Complete appropriate preflight check lists as specified in the ASI manual and as directed from the on-board LPS.

E.4.2   In-Flight

_____   1.   Operate the instruments as specified in the ASI manual and as directed by the on-board LPS.

E.4.3   Post flight

_____   1.   Complete summary check list forms and all other appropriate check list forms.

_____   2.   Brief the on-board LPS on equipment status and turn in completed check lists to the LPS.

_____   3.   Debrief as necessary at MGOC or the hotel during a deployment.

_____   4.   Determine the status of future missions and notify MGOC as to where you can be contacted.

AXBT/AXCP Check Sheet Summary

Flight O31206I **Aircraft** 47 **Operator** Clone

Number

(1) Probes dropped   6

(2) Failures   1

(3) Failures with no signal   1

(4) Failures with sea surface temperature, but terminated above thermocline   _____

(5) Probes that terminated above 250 m, but below thermocline   _____

(6) Probes used by channel number   CH12   2

CH14   _____

CH16   4

CH__   _____

NOTES:

3/4   exact Pairing!

AF
17
72 ~1608z

2C.6

AXBT and AXCP Check Sheet

Flight Number **031206 I**   AXBT/AXCP Contract Number _____

Take-Off Time **15:30**   Landing Time _____

Storm **Odette (TD)**   Storm Direction/Speed **030/10 Kts**
       SPI

AXCP/ AXBT #/Type	Channel Number+ O5I ID	~~Lot~~ Number ~~Drophe~~	~~Drop~~ Time (HHMMSS)	Lat. Deg. Min. 18°59'	Long. Deg. Min. 72°45'	Surface Temp. AXBT IRT	MLD (m)	Comments all Drops in Same location to O5I B+ drops
⊗BT1	16(6184)	18:52:40	18:56:#	16 99	72 75	27.7 DP6 85 DA =	75	27.5 O5I 6 22?? ~50 NM East "cent" 35 kts VID
Note: GPS Sonde dropped as well					~ 35 kts sfc		= EU Model Pairs		
Note correspnd O5I BT"don4' = Child → calio comparison (deepwater								
BT2	16 16 —	19:48:37	1952:13	17 49	71 28	27.3 27.	—	E-W leg-Noisy!
Note: 30 mi east			off "eye"		NOT	a Paired O5I/O6I drop		
BT3	Child	19:53:4	19:58:00	17 49	71 81	27.6	—	— Noisy PT 9" re circ cent?
⊗BT4	16	20:02:00	20:04:28	17 50	72 50	27.8	~90M	Good, clean
BT5	U2	20:08:15	20:12:	17 75	72 84	27.7	—	Noisy Bad
⊗BT6	16	20:13:50	20:17:21	18 01	73 20	27.7	~90M	Good, clean
	NOTE BTs 4-6 are O5I/O6I Paired Drops,							
	"	4-6 chnels match up w/ O5I						

57:22
57:34

59/60   40/60   9/15 3/5

exact Hit w/O5Idrop 1

L.L Cover?

Bad BT? w/gps-don

L.L circ cent?

died each