## 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	<ol> <li>Determine the status of equipment and report results to the on-board lead project scientist (LPS).</li> </ol>
V,	2. Confirm mission and pattern selection from the on-board LPS.
	<ol><li>Select the mode of operation for instruments after consultation with the HRD/BLS and the on-board LPS.</li></ol>
	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
-	Operate the instruments as specified in the ASI manual and as directed by the on-boar LPS.
E.4.3	Post flight
	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.
	Determine the status of future missions and notify MGOC as to where you can be contacted.

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## **AXBT and AXCP Check Sheet**

Flight Number <u>8309 18 H</u>	AXBT/AXCP Contract Number
Take-Off Time _/20250	Landing Time
Storm Isabel Landfall	Storm Direction/Speed <u>v310/08</u>

AXCP/ AXBT #/Type	Channel Number	Lot Number	Drop Time (HHMMSS)	La Deg.		Lo Deg.	ng. Min.	Ter	face mp. T IRT	MLD (m)	Comments
BT	12		14:40	35	13	3	57	23°C			in the much
BT2		B #FF	14:41	35	14		56	23°C			in the much recorded in 2 chas
											onscreen
BT2	12		15:48	35	01	35	25	250			
		The season									
BT3	14		1636	34	32	75	75	27.8			
7711	14		107/1			A111		hraner			
BTY	1-1		1734								
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	BERTUR.							TH			AFFECT THE
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S		-114									

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