## **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). 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 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 HRD/BLS and the LPS.
4.	Complete appropriate preflight check lists as specified in the ASI manual and as directed from the LPS.
In-Flight	
1.	Operate the instruments as specified in the ASI manual and 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 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 and Sonobuoy Check Sheet (revised 6/23/04)

Flight Number	0811072	Storm P	bolona	Storm Direction/Speed _	

Take-Off Time \_\_\_\_\_ 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
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2		555000	17.31	82.00	055340	28:11	50	WF.W.
3		055730	17.43	81.53	060000	28.1	50	nd commence de l'accordinate accominate de la capación de la capac
4		061452	17.53	80,34	061710	28.(	30	and and a manifestation and an analysis of the second seco
5		163825	1875	81.75	064050	28.0	60	
6		065425	17,62	81.75		28:0	***************************************	ne a nemenonemente de destructura general, ser a como peren de secución el período de la compacta de del como La como como como de destructura de como como como como como como como com
7		065829				***************************************		Pud
8		071425	16-26	81-66	87176	28.1	60	The state of the s
9		072612	16.71	80.87	The state of the s	663 g		
10		074025	0.49	81.61	The Control of the Co			
01		874515	17.75	81.80	t to province and the site of the second	ini (F. 18 Adinti) in Carlondards attention and an annual control of the Carlondards and an annual control of the Carlondard and annual control of the Carlondard and an a	et de la composition della com	a periodica de la compania de la co
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15		284155	\$.7.88	81.49	определя на принципалний принц		*	Dick or desirable resistance
16		090123	18.89	81.19	890410	2872	***	and the state of t