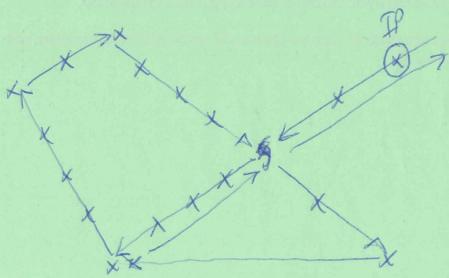
Boundary-Layer Scientist

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.)

Premgnt	
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 Summary

Flight	_ Aircraft	_ Operator	
Number			
(1) Probes dropped	18		
(2) Failures			
(3) Failures with no signal			
(4) Failures with sea sur	rface temperature, but	terminated above	thermocline
(5) Probes that terminated ab	ove 250 m, but below the	rmocline	
(6) Probes used by channel n	umber CH-12	4	
	CH-14		
	CH-16	14	
	СН		
NOTES:			



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

Flight Number	200508221	Storm Rita	Storm Direction/Speed	285	8
Take-Off Time	1325	Landing Time			

	Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp.	MLD (m) (#secs x 1.5)	Comments
8	1	16	142627	26.39	87.44	142907	29,0	75	Tapesone 1423
	2	16	143855	25.80	88,11	14425	29.0	?	Combo/GPS (Nois
	3	16	144902	25.29	88.64	145183	28:2	50	Center
	4	16	150141	25.03	88.98	t,			Dud 3
	5	12	150940	24.66	89.38	151208	28.4	40	Combo/GPS 50
	6	16.	151546	24.36	89.71	151802	29.2	45	Combo/995 50
	7	16:	152258	24.02	89.88	152520	29.6	45	Tu
	8	16	155114	ver	87.46	155334	28.8	60	The second secon
	9	16	160102	24.71	88.00	1603 26	28-7	45	Tope Change @ 16
	10	12	162657	28.68	89.09	162915	28.9	45	Tages one 160954
	11	16	163564	26.08	89.52	163715	28.4	40	Guso
	17	12	164210	26.43	89.91	164940	28.8	30	Combo
	13	16	164854	26.61	90.30	165109	29.3	45	Combo
	14	12	165336	26.32	90.63	165553	29.3	45	The second of the control of the con
	0	16	165856	25.97	90.89	170125	29.3	40	and the state of t
	16	16	170813	25.20	90.68	171030	28.9	36	e en

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

Flight Number	Storm	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) (#sees x 1.5)	Comments
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