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.)

Preflig	ght	
	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-Flig	ght	
	1.	Operate the instruments as specified in the ASI manual and as directed by the LPS.
Post fl	ight	
	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	080831I	Storm Gutao	Storm Direction/Speed	307/14kt
Take-Off Time	alal utc	Landing Time		

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp.	MLD (m) (#secs x 1.5)	Comments
1	12	203109	25.07	85.57	mussed bata be now	ued Dollin	posobloms	5E 105 mm
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2	12	204100	to the state of th		204300	29°C	45 m	inbound
3	12	205100		**************************************				entound
4	12	210110				23.5°C	Om	ortains
5	12	21114	herrory, and proportion of the contract of the	THERETON AND A STATE OF THE STA	2113	28.5°C	40 m	on thound
6	12	212357	A local law works and the second and			28.50	25 m	NW point 105 nm
7	12	215713	***************************************	***************************************	The best and the second	28,50	35 m	5w 105 mm
8	12	2218	the Armenia and a second and a			28.00	50 m	5 w aywall Barn D
9	19	2226	mendio e qui a de la disperio con reconsidare em copo que confessi y mancidadel, conseque	Action to the second se		270°	30m	OWL
10	12	22555				28.50	25m	NE 105 MM
И	12	2342				28.00	Om	Nastran spotty
12	12	0016				2500	360 m	NA storm.
13	12	0103		The state of the s	Andrew Control of the	28.5	40m	Not storm
14	12	0149		and the property of the second	The second section of the second section of the second sec	28,5	30 m	NA Storm
15	12	0156				28.0	30 m	NW RHW
16	12	0222				16.0	The same of the sa	ASCAT overpan