865 576 6136

OAR FASC Route / F/NEC 33

Boundary-Layer Scientist

The on-board 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 and initial.)

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.

In-Flight

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

Post flight

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

_____ 2. Brief the on-board 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.

M. BLACK

AXBT Log

Flight Number 040924H

Take-Off Time 1523 MacDill

Landing Time

Storm Jeanne Storm Direction/Speed 270 / 6 kt

	Leg/ Drop #	Channel #	Probe Type Slow	Probe Type Reg	Launch Time (HHMMSS)	Latitude (decimal)	Longitude (decimal)	Status Good	Status Bad	Comments
w/sonde	1	14			172035	26.9	74.0	✓	27.8°C	SFMR-24 m/s 45 m ML
sondes	2	16			172815	26.7	73.55	✓ 27.8		35 SFMR - 90 m ML
	3	14			173129	26.6	73.4	27.8		36 -
SE EW	4	16			174731	26.14	72.38	24.8°C		32 m/s SFMR 30 m
	5	14			175318	26.0	72.0	25.5°C		25 m/s SFMR
	6	16			183416	27.07	72.88		Bad	
	7	14			185715	26.9	72.97			NE wall Bad 40 m/s
16	8		✓ 27.8°C		185357	25.92	73.81			SW wall 31 m/s
	9	16	90 m 27.5°		185840	25.63	73.72			50 miles SW 23 m/s
	10	14	27.8°		190530	25.25	73.79°			60 m ML
	11	14	27.0°		193643	26.66	72.97			30-35 m/s 60 m ML
—	12	16	27.5°		201712	26.70°	74.5°	W		50 miles W 40 m ML
	13	14	26.2°		204757	26.4	72.67			30 miles Bad 60 m ML
—	14		27.9°C		233119	26.44	76.02			100 miles west 60 m ML
—	15		27.9°C		233736	26.43	76.5			150 miles out 45 m ML
—	16		28.0°C		235637	26.97 / 26.0' / 77.0'	78.0			200 miles west 60 m M.L

28.90
76.55