

J040925H1

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

- OK 1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
- OK 2. Confirm mission and pattern selection from the on-board LPS.
- OK 3. Select the mode of operation for instruments after consultation with the HRD/BLS and the on-board LPS.
- OK 4. Complete appropriate preflight check lists as specified in the ASI manual and as directed from the on-board LPS.

In-Flight

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

Post flight

- OK 1. Complete summary checklist forms and all other appropriate check list forms.
- OK 2. Brief the on-board LPS on equipment status and turn in completed checklists to the LPS.
- OK 3. Debrief as necessary at MGOC or the hotel during a deployment.
- OK 4. Determine the status of future missions and notify MGOC as to where you can be contacted.

16 Loaded external

AXBT and Sonobuoy Check Sheet Summary

Flight JOY095H1 Aircraft N42rf Operator Pi Leginton

Number

(1) Probes dropped 15 + 1 w/ No continuity and not dropped

(2) Failures 4 (2 channel 16 + 2 channel 14)

(3) Failures with no signal _____

(4) Failures with sea surface temperature, but terminated above thermocline

(5) Probes that terminated above 250 m, but below thermocline _____

(6) Probes used by channel number CH-12 _____

CH-14

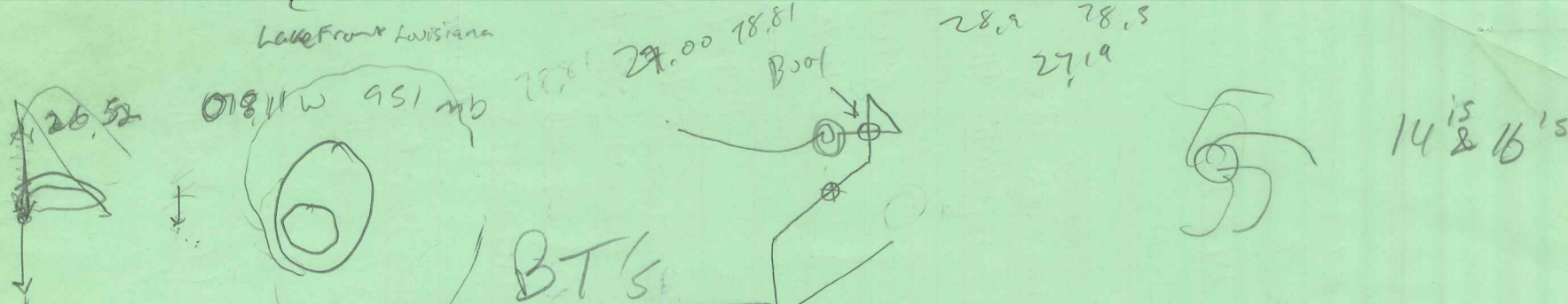
8 (5 good) but 1 on Bottom

CH-16

8 (6 good)

CH-_____

NOTES:



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

Flight Number JOY0925H1 Storm Jeanne Storm Direction/Speed 310/14kt 275011kt

Take-Off Time 171400 Landing Time 260600 Lakefront New Orleans, LA.

Drop #	Channel Number	Drop Time (HHMMSS)	Latitude (Decimal)	Longitude (Decimal)	Splash Time (HHMMSS)	Sfc Temp. AXBT	MLD (m) (#secs x 1.5)	Comments
1	16	184435	28.9	78.5	184630	26.8	55 + (2)	@ Buoy 41010
2	14	190715	28.6	78.75	190909	27.2	55	
3	16	191700	28.0	79.17	191930	27.	70	
4	14	192630	27.33	79.5	—	—	—	FAIL
5	16	193039	27.0	79.51	193200	27.5	45	
6	14	193655	26.46	79.51	193847	27.0	45	
7	16	200345	27.14	78.85	200633	26.6	45	Upper edge NW
8	14	201345	27.34	79.51	201530	27.5	70	Drone data car in tail
9	16	212615	27.31	79.00	FAIL	—	—	NW Eye all fail
10	14	213300	27.00	79.00	213440	25.75	00	BT only (Bottom)
11	16	225400	26.95	79.25	230030	26.75	45	BT only
12	14	231515	26.45	79.50	231700	27.4	N50	see drop 6 notes
13	16	2331??	27.16	79.24	—	—	—	Napevall - Fail
14	14	235516	27.50	79.50	Fail	—	—	BT only and
15	16	00:0020	27.78	79.67	0002:00	27.3	65	BT only
16	14	No Continuity	—	—	—	—	—	—

2C 1956 26.51N 7836W
2030

2032 2654 7843W 296@12kt

10p's

AXBT Log

Flight Number J04092541

Take-Off Time 171400 McC Dill AFB, Tampa, FL

Landing Time 260600 Lakefront, New Orleans, LA

Storm Jeanne Storm Direction/Speed 310 14 kts

Drop w/
Sonde
Y/N

Leg/ Drop #	Channel #	Probe Type		Launch Time (HHMMSS)	Latitude (decimal)	Longitude (decimal)	Status		Comments	
		Slow	Reg				Good/	Bad		
									See Prev. Page	
Y	1	16			184435	28.9	78.5	✓		@Buoy 41010
Y	2	14			190715	28.6	78.75	✓		
Y	3	16			191700	28.0	79.17	✓		
Y	4	14			192630	27.33	79.5		✓	
Y	5	16			193039	27.0	79.51	✓		
Y	6	14			193655	26.43	79.51	✓		
Y	7	16			200345	27.14	78.85	✓		NW Inner Eyewall
Y	8	14			201345	27.34	79.51	✓		See Drop 4
N	9	16			212615	27.31	79.00		✓	NNW Eyewall
N	10	14			213300	27.00	79.00	✓		SHALLOWS(?)
N	11	16			225910	26.95	79.25	✓		
N	12	14			231515	26.45	79.5	✓		See Drop 6
N	13	16			2331	27.46	79.24		✓	N. Eyewall
N	14	14			235516	27.50	79.50		✓	
N	15	16			000020	27.78	79.67	✓		
N	16	14			Not launched				✓	No Continuity

Surface
winds

40kt

50kt

64kt

31m/s

30m/s

27m/s

46m/s

35m/s

10m/s

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