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.

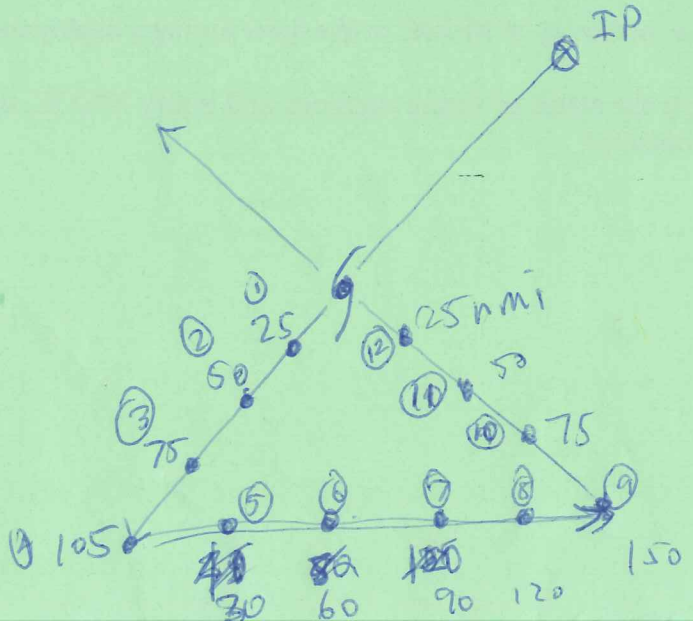
_____ 4. Determine the status of future missions and notify MGOC as to where you can be contacted.

AXBT and Sonobuoy Check Sheet Summary

Flight _____ **Aircraft** _____ **Operator** _____

	Number
(1) Probes dropped	_____
(2) Failures	_____
(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	5
CH-14	6
CH-16	7
CH-__	8

NOTES:



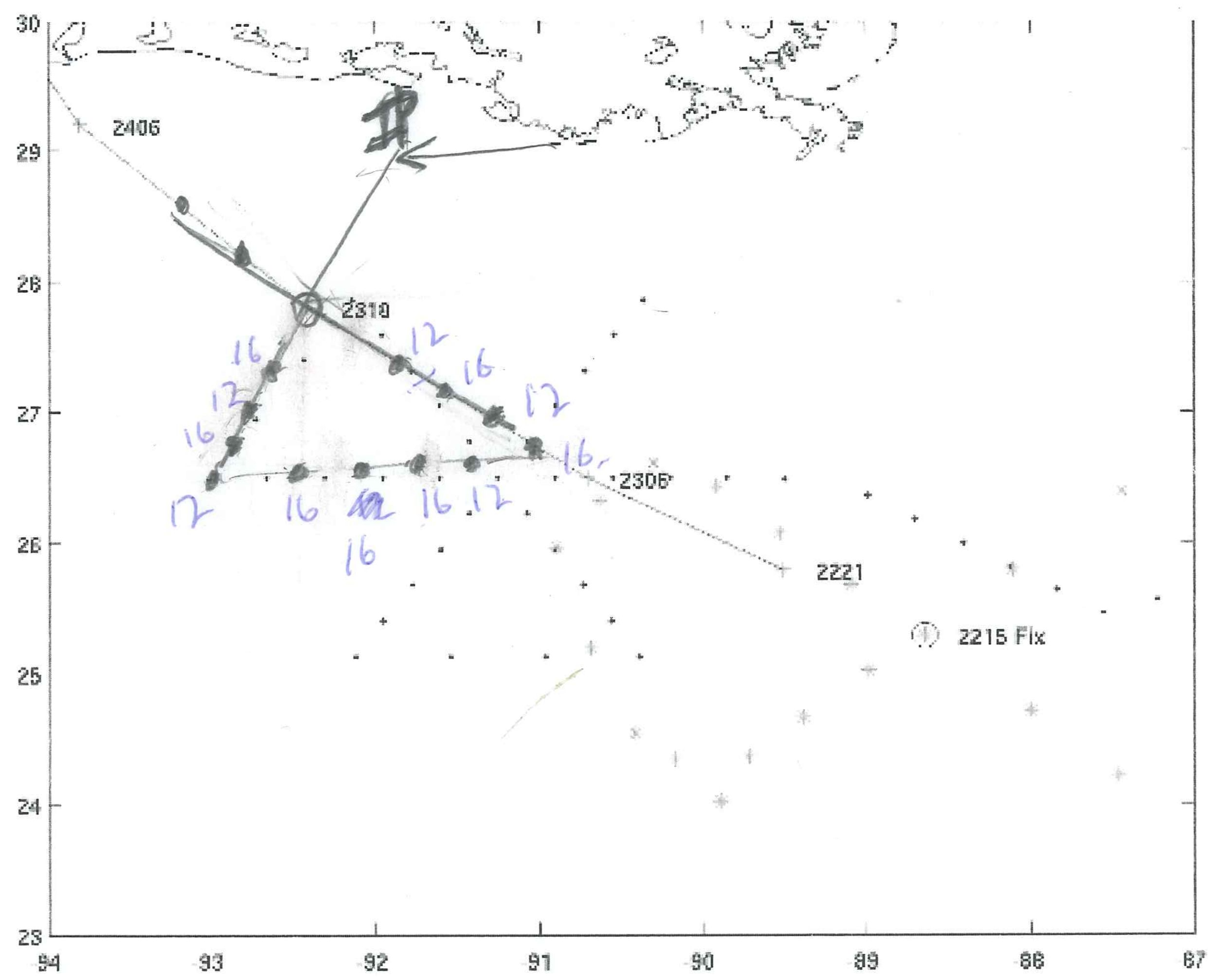
Tapes on @ 1752
Tapes ff @ 1948

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

Flight Number 20050923I Storm Rita 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
1	16	175406	27.41	92.66	175620	29.0	50	Combo
2	12	180020	27.11	92.99	180228	28.8	70	Combo
3	16	180632	26.82	93.31	180857	?	?	Combo / Good
4	12	181402	26.46	93.55	181607	29.3	45	Combo
5	16	181938	26.46	93.05	182154	29.0		Combo
6	16 (12)	182525	26.47	92.52	182740 (?)	29.0		Combo /
7	16	183205	26.50	91.88	183425	29.9		combo
8	16	183808	26.51	91.32	184028	28.6		Combo
9	16	184418	26.63	90.95	184714	27.9		Combo
10	12	185023	26.93	91.29	—	—		Combo / Pud
11	16	185817	27.34	91.69	190038	?		Combo
12	12	193511	29.45	93.77	193728	29.5		



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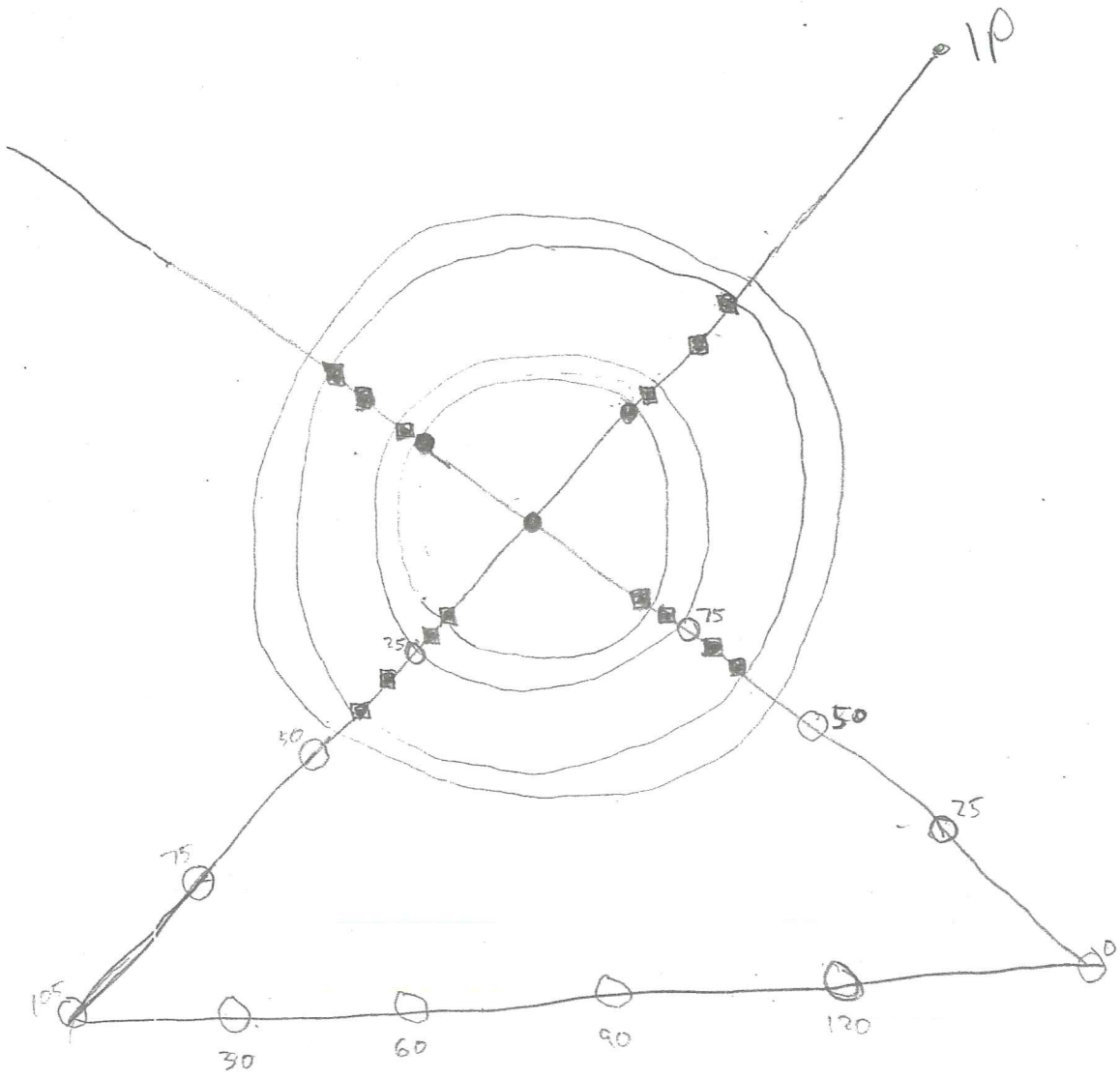

Pics taken at 1712UTC

~~All~~ flt lvl winds ~70kts

● - NHC drop

▣ - RAINEX drop

○ - HRD drop/BT combo (first fig-4 only)