

19981027I1-AXBT

E.4 Air-Sea Interaction Scientist (On-Board)

The on-board air-sea interaction scientist (ASIS) is responsible for data collection from AXBT's, AXCP's, BUOY's, and sea surface temperature 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.)

E.4.1 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/ASIS 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.

E.4.2 In-Flight

- _____ 1. Operate the instruments as specified in the ASI manual and as directed by the HRD/ASIS, unless superseded by directions from the on-board LPS.

E.4.3 Postflight

- _____ 1. Complete summary check list forms and all other appropriate check list forms.
- _____ 2. Brief the on-board LPS on equipment status and turn in completed check lists to the LPS.
- _____ 3. Debrief as necessary at the appropriate operations center (FGOC or MGOC).
- _____ 4. Determine the status of future missions and notify appropriate operations center (FGOC or MGOC) as to where you can be contacted.

AXBT/AXCP Check Sheet Summary

Flight _____

	<u>Number</u>
(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 CH12	_____
..... CH14	_____
..... CH16	_____
..... CH_	_____

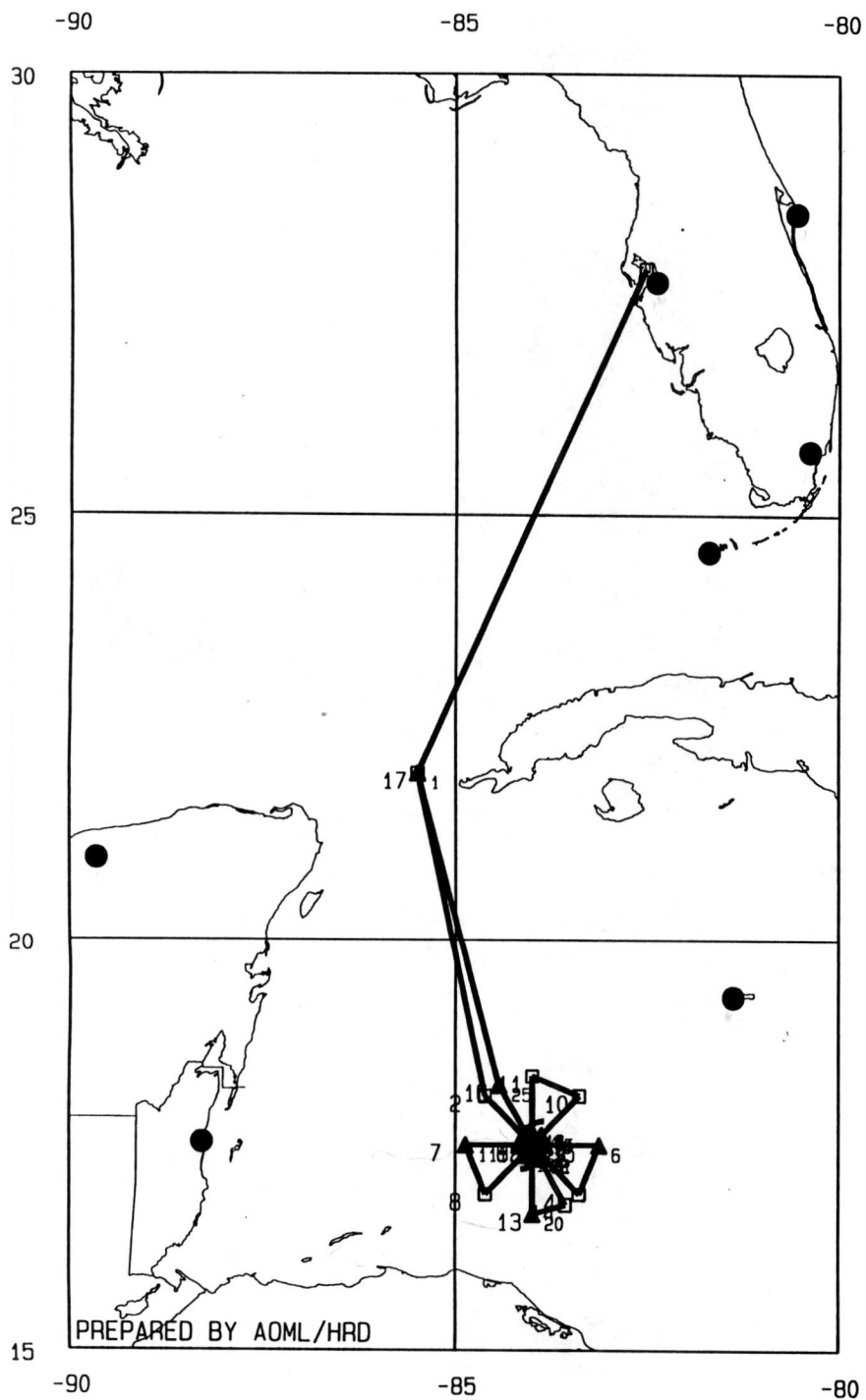
NOTES

Landing Time _____

* MCB's are determined based on time at which T starts to drop off rapidly (i.e., at top of thermocline)

Landing Time _____

[illegible][illegible]



30 FLIGHT TRACKS MITCH

NOAA 43
— 981027i.ftk

Teal 27
leaving to NW ~ 21Z

RAWINSONDES 9809

- Regular
- 12Z only
- 00Z only
- Infrequent
- Infrequent - 00Z
- Infrequent - 12Z

▲ DROP LOCATIONS

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: MITCH

Prepared by the Hurricane Research Division at 01:17:58 PM on 10/26/98.
File: /users/james/field_prgm/flight_tracks/981027i.ftk

Aircraft: N43RF Altitude: FL100-100 Proposed takeoff: 27/1830Z

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TRACK DISTANCE TABLE

No 443

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#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	MACDILL			0.	0.	0:00
1	22 00	85 30		387.	387.	1:30
2S	18 05	84 37	50/315	240.	627.	2:20
3S	17 30	84 00	0/000	50.	677.	2:30
4S	16 55	83 23	50/135	50.	727.	2:41
5S	17 30	83 08	50/090	38.	766.	2:48
6S	17 30	84 00	0/000	50.	816.	2:59
7S	17 30	84 52	50/270	50.	866.	3:09
8S	16 55	84 37	50/225	38.	904.	3:17
9S	17 30	84 00	0/000	50.	954.	3:27
10S	18 05	83 23	50/045	50.	1004.	3:38
11S	18 20	84 00	50/000	38.	1042.	3:46
12S	17 30	84 00	0/000	50.	1092.	3:56
13S	16 40	84 00	50/180	50.	1142.	4:06
14S	16 47	83 34	50/150	26.	1168.	4:12
15S	17 30	84 00	0/000	50.	1218.	4:22
16S	18 13	84 26	50/330	50.	1268.	4:32
17	22 00	85 30		235.	1503.	5:21
18	MACDILL			387.	1890.	6:51

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NO PA 43

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3S	17 36	84 07	9/315	2:28
4S	17 24	83 53	9/135	2:32
5S	17 23	83 53	10/135	2:32
6S	17 30	83 08	50/090	2:48
7S	17 30	83 50	10/090	2:57
8S	17 30	83 51	9/090	2:57
9S	17 30	83 52	8/090	2:57
10S	17 30	84 10	10/270	3:01
11S	17 30	84 52	50/270	3:09
12S	17 23	84 07	10/225	3:25
13S	17 36	83 54	8/045	3:29
14S	17 36	83 53	9/045	3:29
15S	17 37	83 53	10/045	3:30
16S	17 40	84 00	10/000	3:54
17S	17 39	84 00	9/000	3:54
18S	17 38	84 00	8/000	3:54
19S	17 20	84 00	10/180	3:58
20S	16 40	84 00	50/180	4:06
21S	17 21	83 55	10/150	4:20
22S	17 22	83 55	9/150	4:20
23S	17 30	84 00	0/000	4:22
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*+ 4 eye drops added last pass
 at max. altitude*

-85

-80

20

FLIGHT TRACKS MITCH

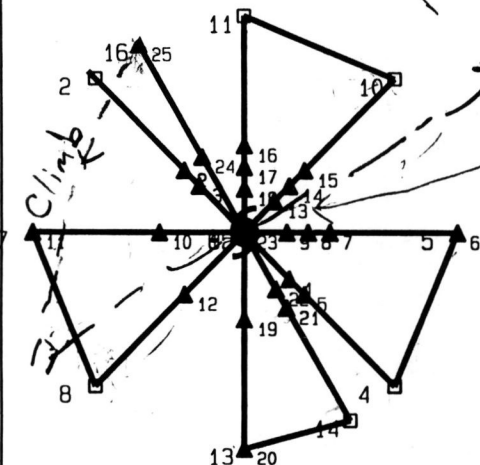
981027ix.ftk

NOAA43

RAWINSONDES 9809

- Regular
- 12Z only
- 00Z only
- Infrequent
- Infrequent - 00Z
- Infrequent - 12Z

4 eye drops
max. altitude



PREPARED BY AOML/HRD

15

-85

15

-80

▲ DROP LOCATIONS

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N0A43

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20S	16 40	84 00	50/180	4:06
21S	17 21	83 55	10/150	4:20
22S	17 22	83 55	9/150	4:20
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10443

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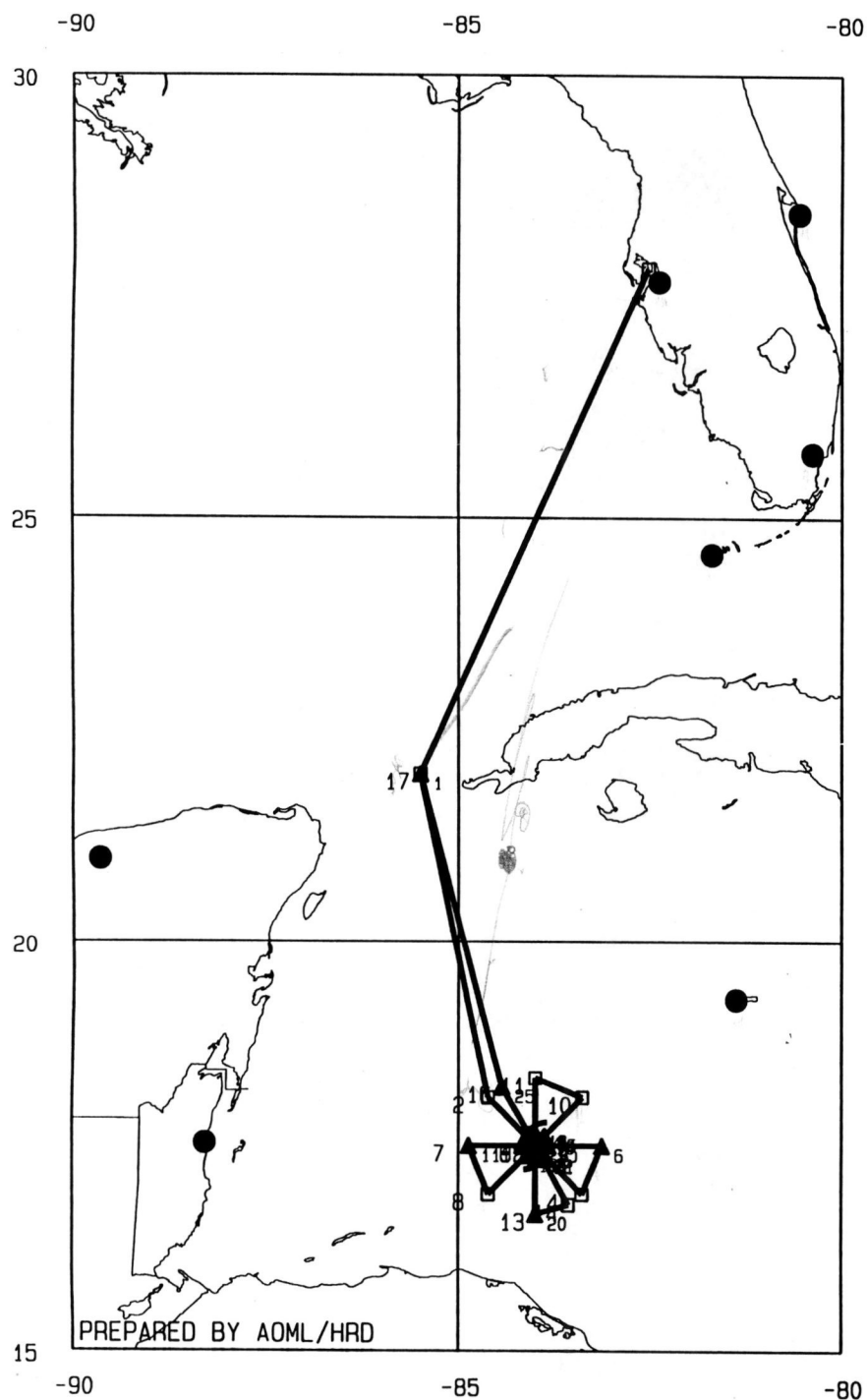
NORA43

DROP LOCATIONS

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Teal 27
leaving to NW ~ 21Z

-85

-80

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FLIGHT TRACKS MITCH

— 981027ix.ftk

NOAA43

RAWINSONDES 9809

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- 00Z only
- Infrequent
- Infrequent - 00Z
- Infrequent - 12Z

lander
025945

4 eye drops
max. altitude

PREPARED BY AOML/HRD

▲ DROP LOCATIONS

15

15

-85

-80