

1988091641-LPS

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight

- ☒ 1. Participate in general mission briefing.
- ☒ 2. Determine specific mission and flight requirements for assigned aircraft.
- ☒ 3. Determine from CARCAH or field program director whether aircraft has operational fix responsibility and discuss with OAO flight director/meteorologist and CARCAH unless briefed otherwise by field program director.
- ☒ 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Arrange ground transportation schedule when deployed.
 - c. Determine equipment status.
- ☒ 5. Meet with OAO flight crew at least 90 minutes before takeoff, provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.
- ☒ 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami or FGOC at remote recovery location).

E.2.2 In-Flight

- ☐ 1. Confirm from OAO flight director/meteorologist that satellite data link is operative (information).
- ☐ 2. Confirm camera mode of operation.
- ☐ 3. Confirm data recording rate.
- ☐ 4. Complete Form E-2.

E.2.3 Postflight

- ☐ 1. Debrief scientific crew.
- ☐ 2. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to the appropriate HRD operations center (MGOC or FGOC).
- ☐ 3. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO flight director.]
- ☐ 4. Determine next mission status, if any, and brief crews as necessary.
- ☐ 5. Notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted and arrange for any further coordination required.

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On-Board Lead Project Scientist Check List

Date 9/16/88 (2) Aircraft 42RF Flight ID 880916H1

A. Participants

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj. Sci.	<u>Willis</u>	Flight Director	<u>Damiano</u>
Cloud Physics	<u>Willis</u>	Pilots	<u>Turner / Gunnoe</u>
Radar	<u>Willis</u>	Navigator	<u>Gerich</u>
Doppler	<u>Willis</u>	Sys. Engr.	<u>Goldstein</u>
Photographer	<u>—</u>	Data Tech.	<u>↑ Lexva</u>
Omegasonde	<u>—</u>	El. Tech.	<u>↓ Jim Rolli</u>
AXBT/AXCP	<u>Black / Shea</u>	Other	<u>—</u>

Take-Off	Location	Landing	Location
<u>0219/17</u>	<u>N/A</u>	<u>1147/43</u>	<u>N/A</u>

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind
<u>21Z</u>	<u>22.4</u>	<u>93.6</u>	<u>948</u>	<u>120 mph</u>
<u>0028</u>	<u>22/32</u>	<u>93/45</u>	<u>—</u>	<u>—</u>
<u>0320</u>	<u>22/45</u>	<u>94/18</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>950</u>	<u>112</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

C. Mission Briefing

AXCP Pattern at FL 50 TO REAR AND INTO
STORM

D. Equipment Status

<u>Equipment</u>	<u>Pre-Flight</u>	<u>In-Flight</u>	<u>Post-Flight</u>
Aircraft	<u>✓</u>	<u> </u>	<u> </u>
Radar	<u>✓</u>	<u> </u>	<u> </u>
Cloud physics	<u> </u>	<u> </u>	<u> </u>
Data system	<u>✓</u>	<u> </u>	<u> </u>
Omegasondes	<u> </u>	<u> </u>	<u> </u>
AXBT/AXCP	<u>✓</u>	<u> </u>	<u> </u>
Doppler	<u>✓</u>	<u> </u>	<u> </u>
Photography	<u>✓</u>	<u> </u>	<u> </u>

REMARKS:

0028 — 22/32N 93/45W

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E. I. Proposed Flight Pattern (sketch or designate by number)

① 24.4 89.3

see attached chart

② 22.0 93.0

③ 22.7 94.7

④ 25.3 90.3

⑤ 26.0 91.0

⑥ 24.4 94.0

⑦ 24.8 95.0 ~~26.0 93.0~~

⑧ 26.5 92.0

E. II. Actual Flight Pattern

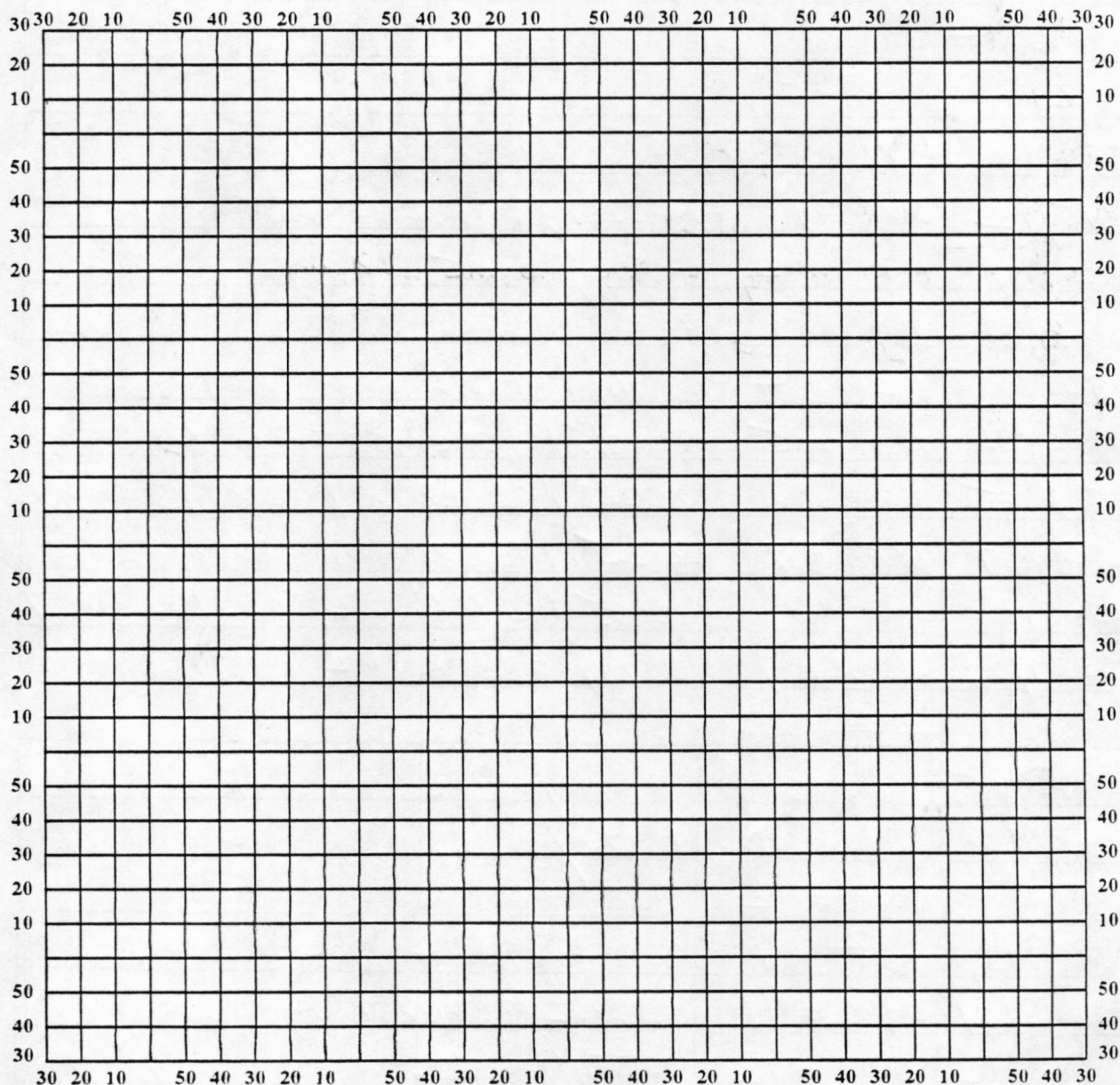
92/33

see attached figure

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of ϕ and λ .

Date _____ Longitude _____ Observer _____



Note: Label full degrees according to location of flight area.

03267/ 22 95 9418

Lead Project Scientist Event Log

Date 9/16/88(Z) Flight 880916H1 LPS Willie

Time	Event	Position	Comments
0212Z	TAXI	MIA	25/48.4 80/17.5
0219/17	T/O		
0404/20	DESCEND TO IP	24/39.3 88/28.1	
0415/12	DROP #1	24 23.5N/89/18.4	PA 1465 154/43
0432/37	DROP #2	23 51.2/90 11.5	PA 1472 160/54 18.6°C/13.0
0449/20	DROP #3	23 33.2/90 36.5	1473 163/62
0455/05	DROP #4	23 11.1/91 13.6	1500 185/69 17.4/15.2
0512/36	DROP #5	22 44.5/91 54.6	1535 182/81 17.6/16.7
0528/05	DROP #6	22 22.3/92 27.8	1597 218/93 17.3 17.0
0544/37	DROP #7	22 2.5/93 3.0	1601 205/88 18.5 17.0
0548/00	DROP #8	22 7.5/93 13.4	1626 206/94 18.2/17.3°C
0557/26	DROP #9	22 27.1 93 45.4	1704 207/66 19.0 22.0
	DROP #10		
0610/45	NEVE 9	22 52.3/94 33.3	1921 22 52.3N/94/35.0W LOCAN
0615/20	DROP #10	22 57.1/94 41.9	1938 196/20 20.9/20.3
0629/39	BT #1	23/25.4/93/51.4	1704 157/72
0636/01	DROP #11	23 38.2/93 29.6	1654 166/88 18.6/18.0°C
0646/12	DROP #12	23 57.1/92 53.6	1600 162/91 16.4/16.7
0653/12	DROP #13	24 9.6/92 29.7	1600 160/87 18.1 15.3
0702/10	DROP #14	24 26.6/91 56.2	
0702/26	ABT #2	24 27.2 91 55.4	1514 16.5/14.9°C 170/79

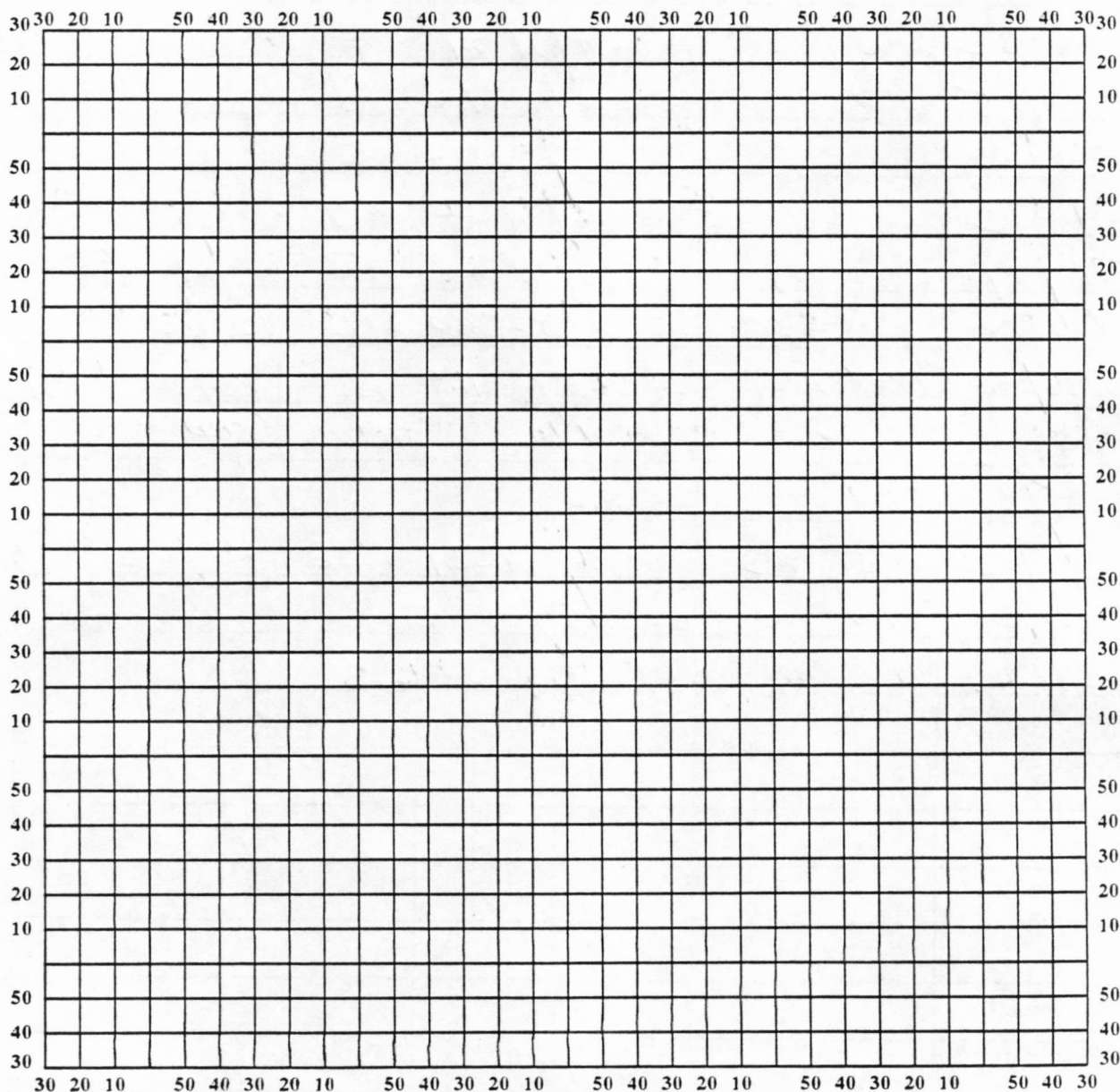
NO
6300
2/3 20

Lead Project Scientist Event Log

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of ϕ and λ .

Date _____ Longitude _____ Observer _____



Note: Label full degrees according to location of flight area.

