

19880828HI-LPS

E.2 Lead Project Scientist (On-Board)

0861 8 Z NOV

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.

29-11485808891

Form E-2
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On-Board Lead Project Scientist Check List

Date 28 Aug. 1988 Aircraft 42RF Flight ID 880828H

A. Participants

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj. Sci.	<u>MARKS</u>	Flight Director	<u>Bogert</u>
Cloud Physics	<u>—</u>	Pilots	<u>Turner/Eilers</u>
Radar	<u>DORST</u>	Navigator	<u>Nokentis</u>
Doppler	<u>—</u>	Sys. Engr.	<u>Lynch</u>
Photographer	<u>—</u>	Data Tech.	<u>(Domingo)</u>
Omegasonde	<u>—</u>	El. Tech.	<u>Rolls</u>
AXBT/AXCP	<u>—</u>	Other	<u>—</u>

Take-Off 105115Z Location MIA Landing 1945 Location MIA
25° 48' 15" 80° 17.7" 25° 48.3' 80° 12.6"

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

C. Mission Briefing

recon.

D. Equipment Status

<u>Equipment</u>	<u>Pre-Flight</u>	<u>In-Flight</u>	<u>Post-Flight</u>
Aircraft	✓	✓	✓
Radar	Data problems System	problems	problems
Cloud physics	—	—	—
Data system	✓	✓	✓
Omegasondes	—	—	—
AXBT/AXCP	—	—	—
Doppler	✓	no data taken	—
Photography	✓	✓	✓

REMARKS:

- TA R/T not tuned right / Doppler not working properly
- Radar data system worked for about 1 hr
- Jim Roles thinks it is the DVIP's (we got 2 types)
something loose or a failing chip.

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

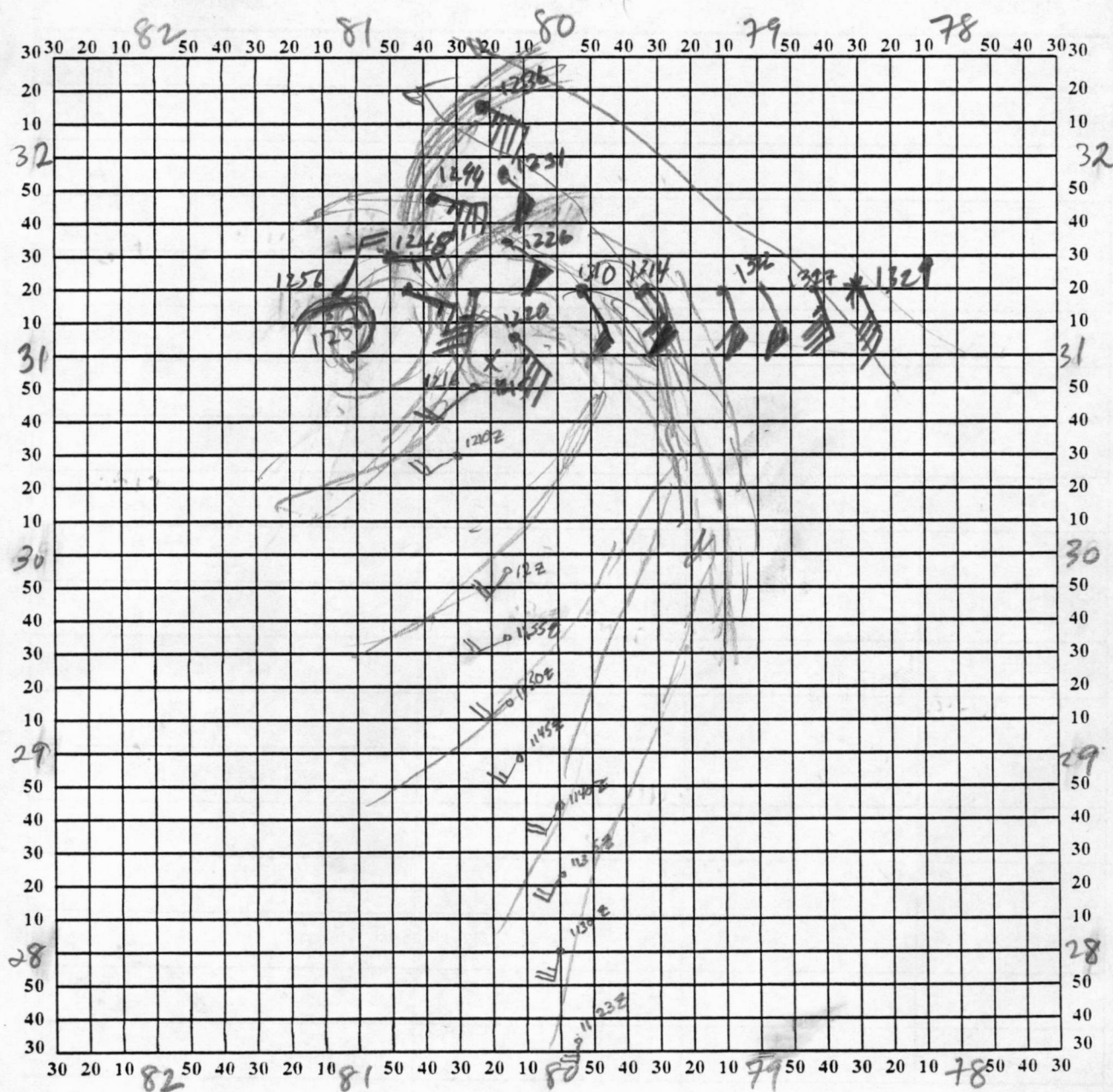
E. II. Actual Flight Pattern

Hurricane Recco Plotting Chart

①

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

Date 28 August 1988 Longitude 80°08'28" W Observer MACKS



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

LPS Markus

[illegible]

(1)

Lead Project Scientist Event Log

Chris

Date 28 Aug. 1988

Flight 880828H

LPS Mark

Time	Event	Position	Comments
105115	TO	MIA	radar data system down
114300	IP	28°56' 80°5'	DESCEND TO 350m TRK 290°
1213	TK 20° Turn NE to apparent G forming	30°50" 80°25.5"	press ↓ wind squally
1220	G		1004.5mb small
1225	turn to	31°30" 80°15"	try to get W of developing G 50kt surf wind NW & E of center
1236	turn to 215° to get W of G	32°12" 80°23"	get W of G
1252	turn E to G	31°20" 81°05"	W of G along coast near JAX
~1300 Z	G		331°21" 80°37"
1329	turn TK 320 to CHS	31°20" 78°32"	try get NE of center along Coast
1340			Jim Rales got the radar data system working TA R/T not working properly (he's working on it.)

210km
tight dia
developing
eye

Date 880828H Flight 28 Aug, 1988 LPS Manly

[illegible]

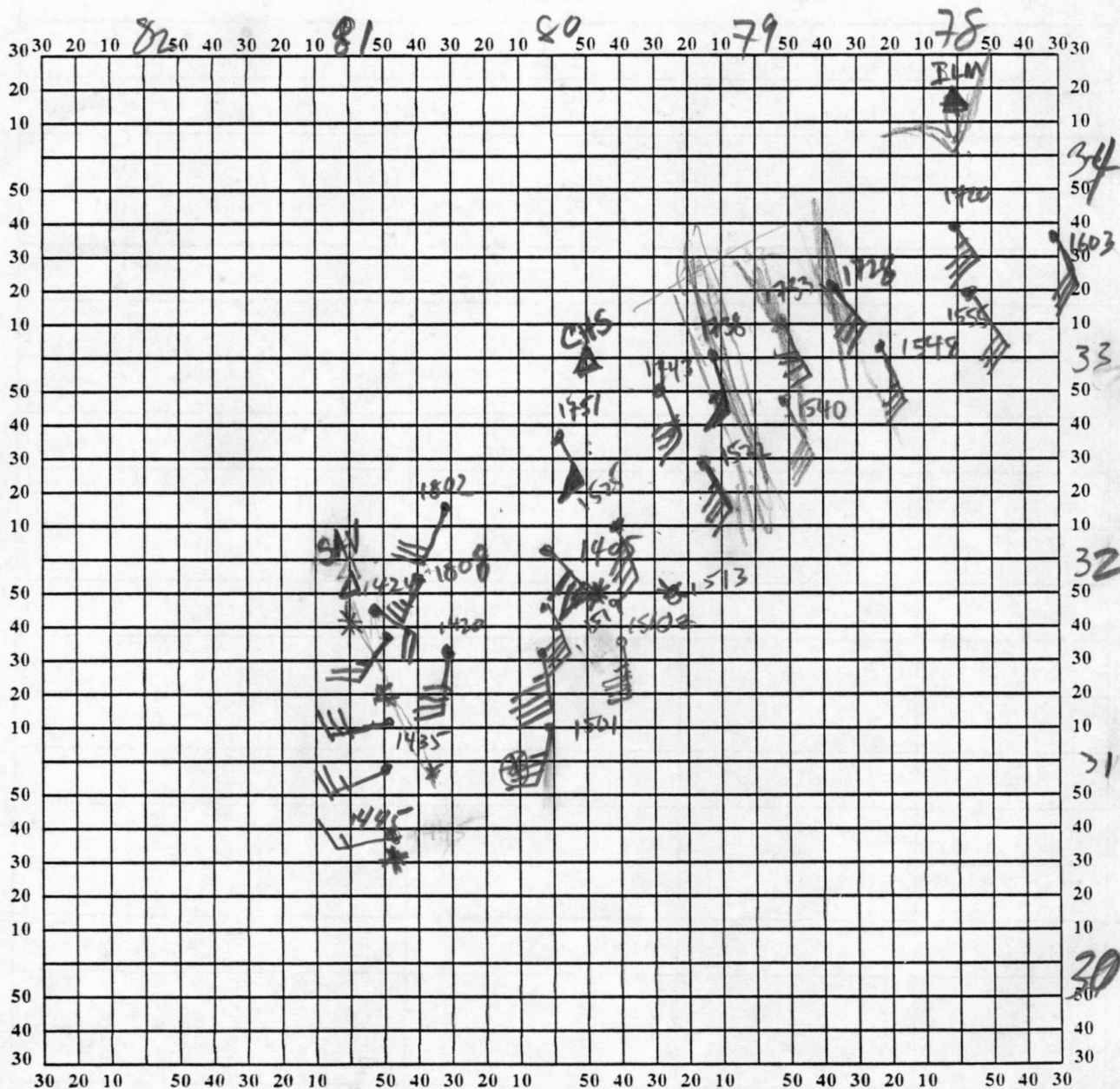
1519 Turn IK 60 to HAT

(2)

Hurricane Recco Plotting Chart

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

Date 28 Aug, 1980 Longitude 880828H Observer Marks



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

Lead Project Scientist Event Log

Date _____ Flight _____ LPS _____

[illegible]