19870925I1-LPS 870925I

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.

Form E-2
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On-Board Lead Project Scientist Checklist

Date 870925 Aircraft 43 Flight ID 870925I

A. Participants

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj Sci	FRANKLIN	Flight Direc	
Cloud Physics		Pilots	
Radar	BURPEE	Navigator	
Doppler		Sys Engr	
Photographer		Data Tech	
Omegasonde	HANDEL, BLACK	El Tech	
AXBT/AXCP		Other	

Take-Off	Location	Landing	Location

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max Wind

C. Mission Briefing

Fair weather ODW

D. Equipment Status

Equipment	Pre-Flt	In-Flt	Post-Flt
Aircraft			
Radar			
Cloud Physics			
Data System			
Omegasondes			
AXBT/AXCP			
Doppler			
Photography			

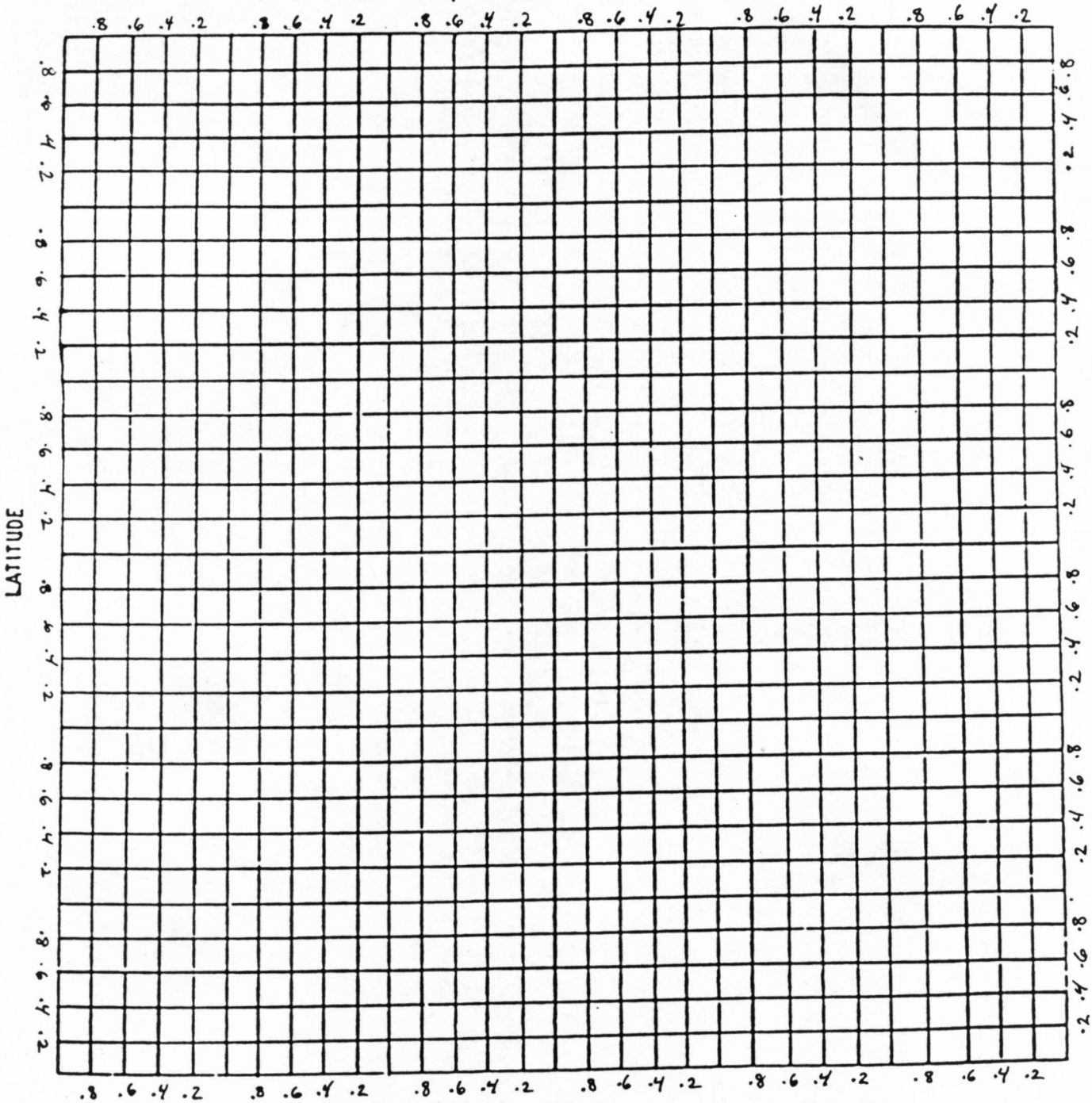
REMARKS:

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

II. Actual Flight Pattern

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



DATE _____ OBSERVER _____

NOTE: Label full degrees according to location of flight area

Form E-2

Date__________________ Flight _______________ LPS_______________

Lead Project Scientist Event Log

Time	Event	Position	Comments

Date________________ Flight ______________ LPS______________

Lead Project Scientist Event Log

Time	Event	Position	Comments