

19871011II-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.]

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- _____ 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.

On-Board Lead Project Scientist Checklist

Date Oct 11

Aircraft 43 RR

Flight ID 871011E

A. Participants

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj Sci	<u>BLACK</u>	Flight Direc	<u>BOGERT</u>
Cloud Physics	<u>WILLIS</u>	Pilots	<u>GUNNOE</u>
Radar	<u>GREIPEN</u>	Navigator	
Doppler	<u>GAMACHE</u>	Sys Engr	
Photographer		Data Tech	
Omegasonde	<u>BLACK/WILLIS</u>	El Tech	
AXBT/AXCP		Other	

Take-Off	Location	Landing	Location
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B. Past and Forecast Storm Locations

<u>Date/Time</u>	<u>Latitude</u>	<u>Longitude</u>	<u>MSLP</u>	<u>Max Wind</u>

C. Mission Briefing

D. Equipment Status

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

REMARKS:

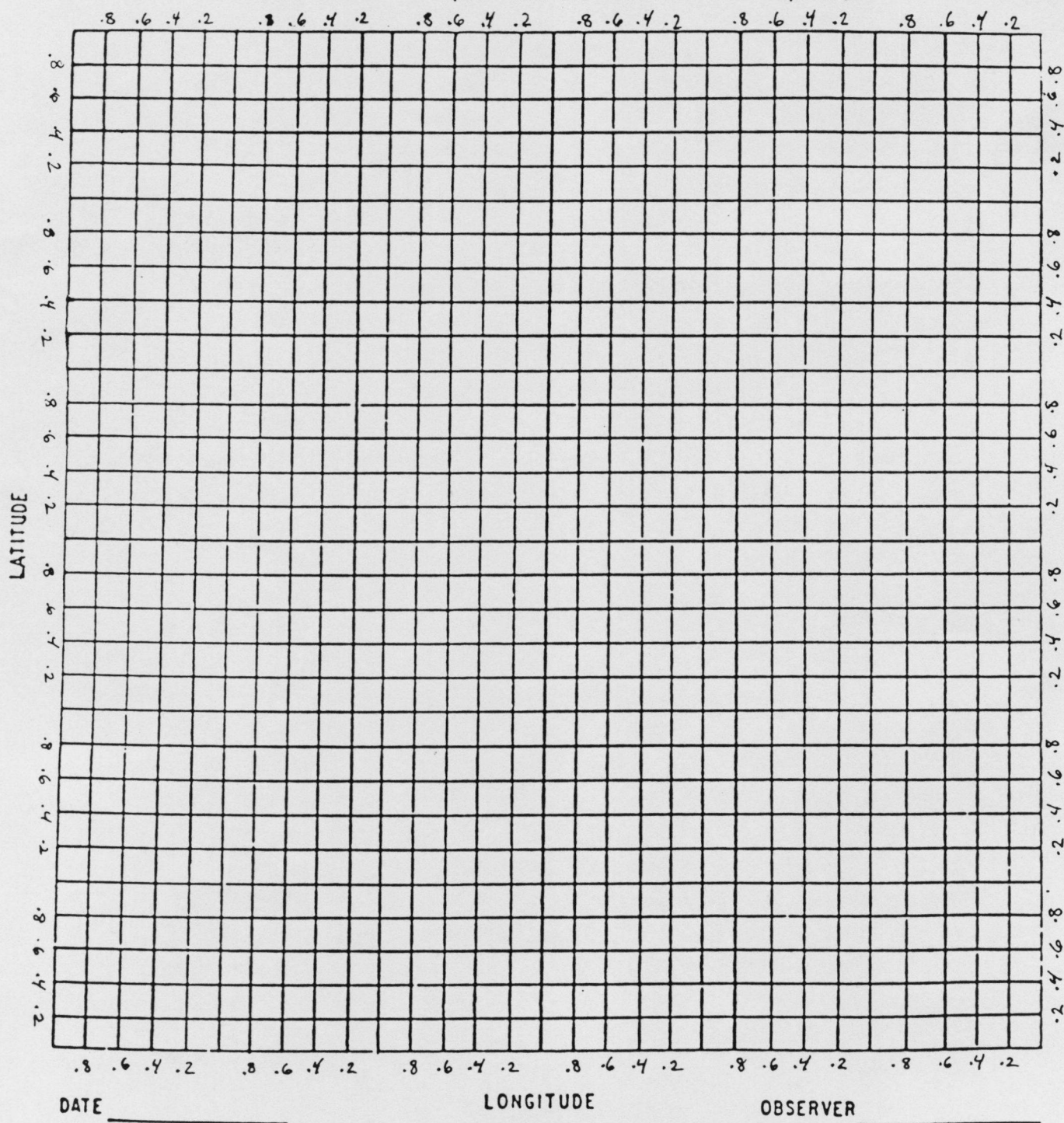
Form E-2
Page 3 of 5

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



NOTE: Label full degrees according to location of flight area

LPS

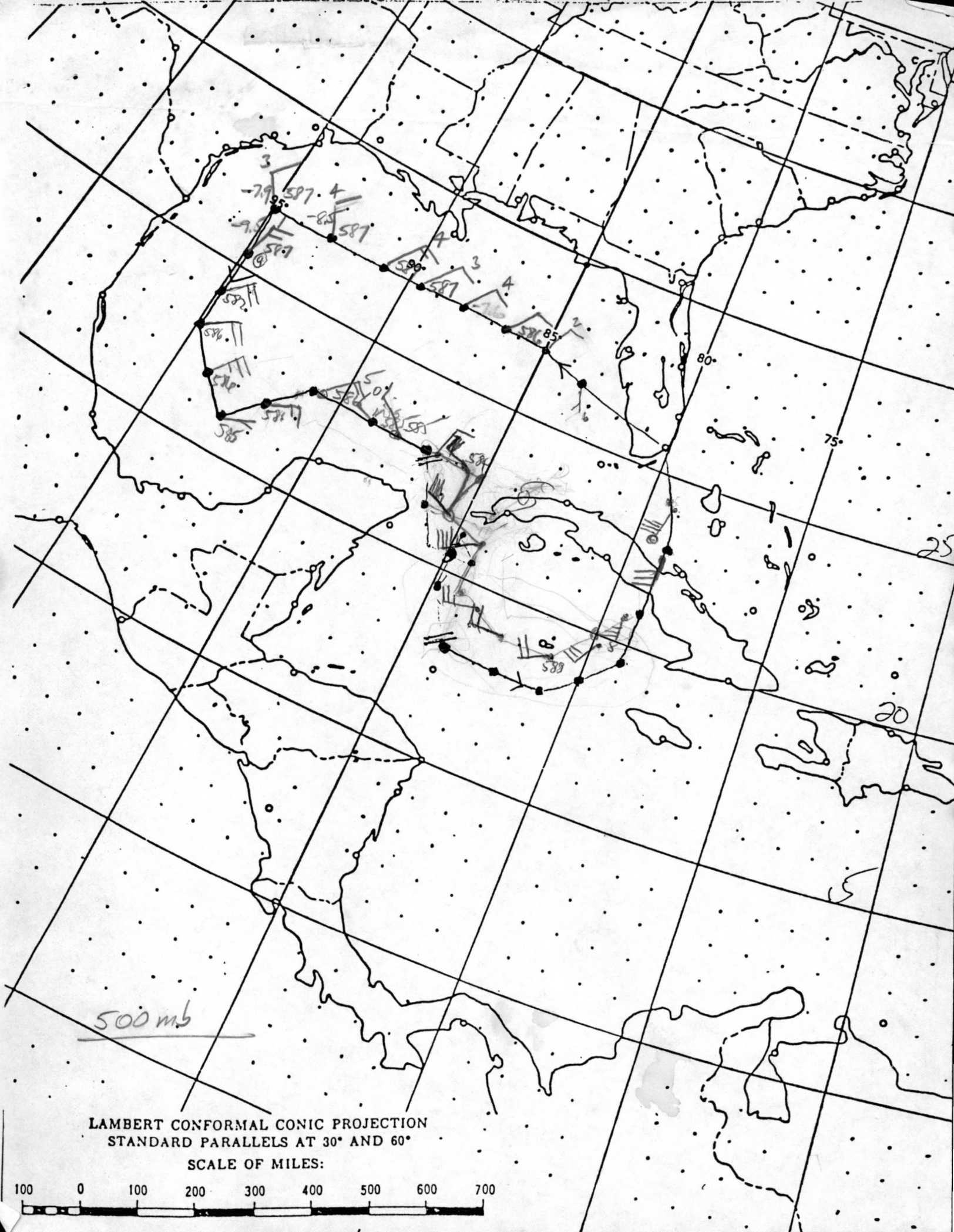
Lead Project Scientist Event Log

[illegible]

Date _____ Flight _____ LPS _____

Lead Project Scientist Event Log

[illegible]



LAMBERT CONFORMAL CONIC PROJECTION
STANDARD PARALLELS AT 30° AND 60°
SCALE OF MILES:

