19911016I1-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. Obtain a copy of the 10-s flight listing from the OAO flight director. Turn in with completed forms.

______ 5. Determine next mission status, if any, and brief crews as necessary.

______ 6. Notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted and arrange for any further coördination required.

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On-Board Lead Project Scientist Check List

Date 10/16/91 Aircraft 43RF Flight ID 911016I

A. Participants FABIAN

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj. Sci.	BLACK	Flight Director	DAMIANO
Cloud Physics	—	Pilots	Philipsborn/
Radar	BLACK	Navigator	Steve
Doppler	—	Sys. Engr.	LYNCH
Photographer	—	Data Tech.	Dan
Omegasonde	—	El. Tech.	
AXBT/AXCP	—	Other	

Take-Off	Location	Landing	Location
0214Z	MIA	0950Z	MIA

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind

C. Mission Briefing

Supercell with circulation center S of Marathon in Fla ~~Straights~~ Straits

Mistake - only Doppler aft sweeps recorded.

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D. Equipment Status

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft	______	______	______
Radar	______	______	______
Cloud physics	______	______	______
Data system	______	______	______
Omegasondes	______	______	______
AXBT/AXCP	______	______	______
Doppler	______	______	______
Photography	______	______	______

REMARKS:

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

E. II. Actual Flight Pattern

Form E-2
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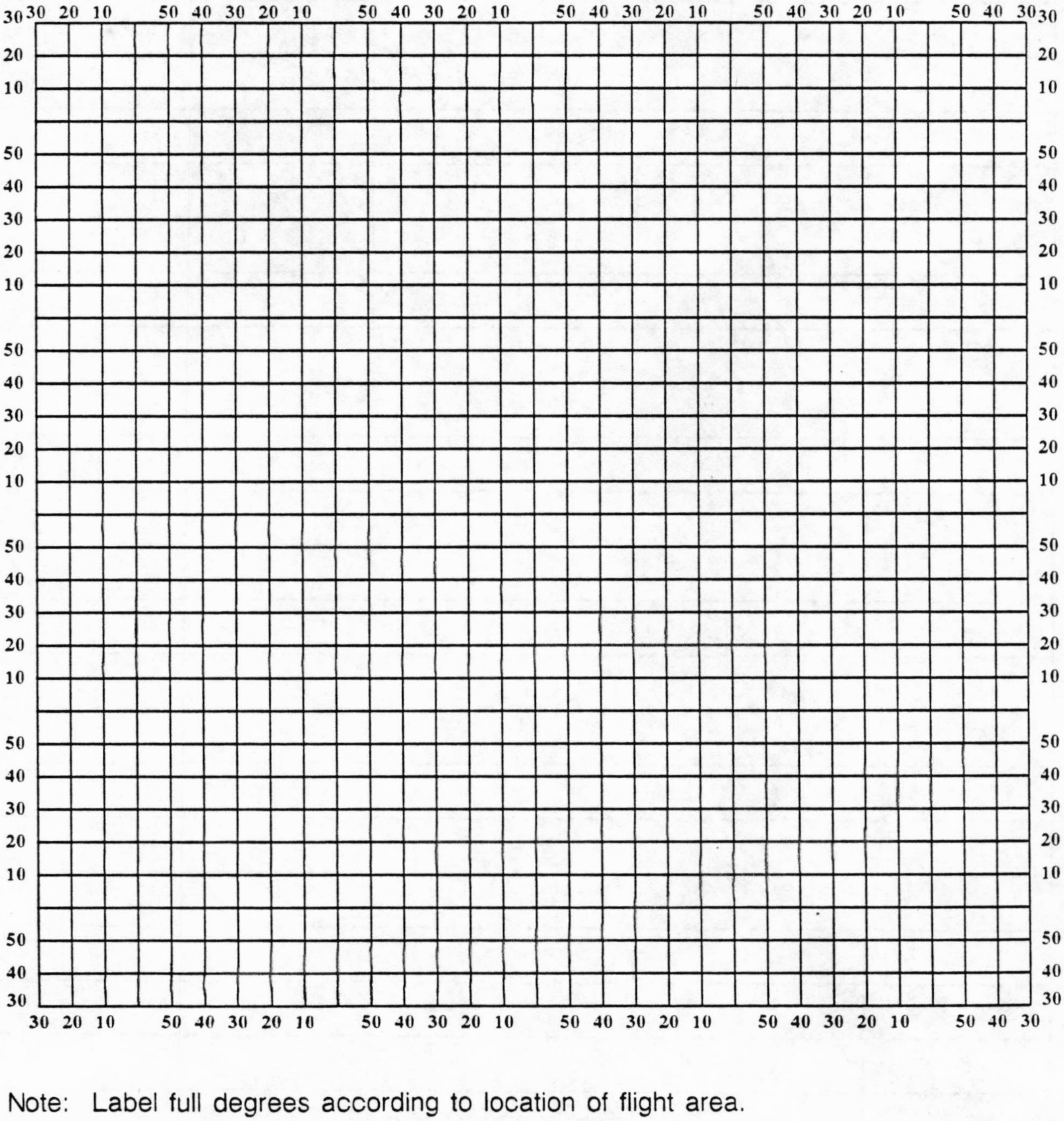
Hurricane Recco Plotting Chart

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.

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Lead Project Scientist Event Log

Date ____________ Flight ____________ LPS ____________

Time	Event	Position	Comments

Form E-2
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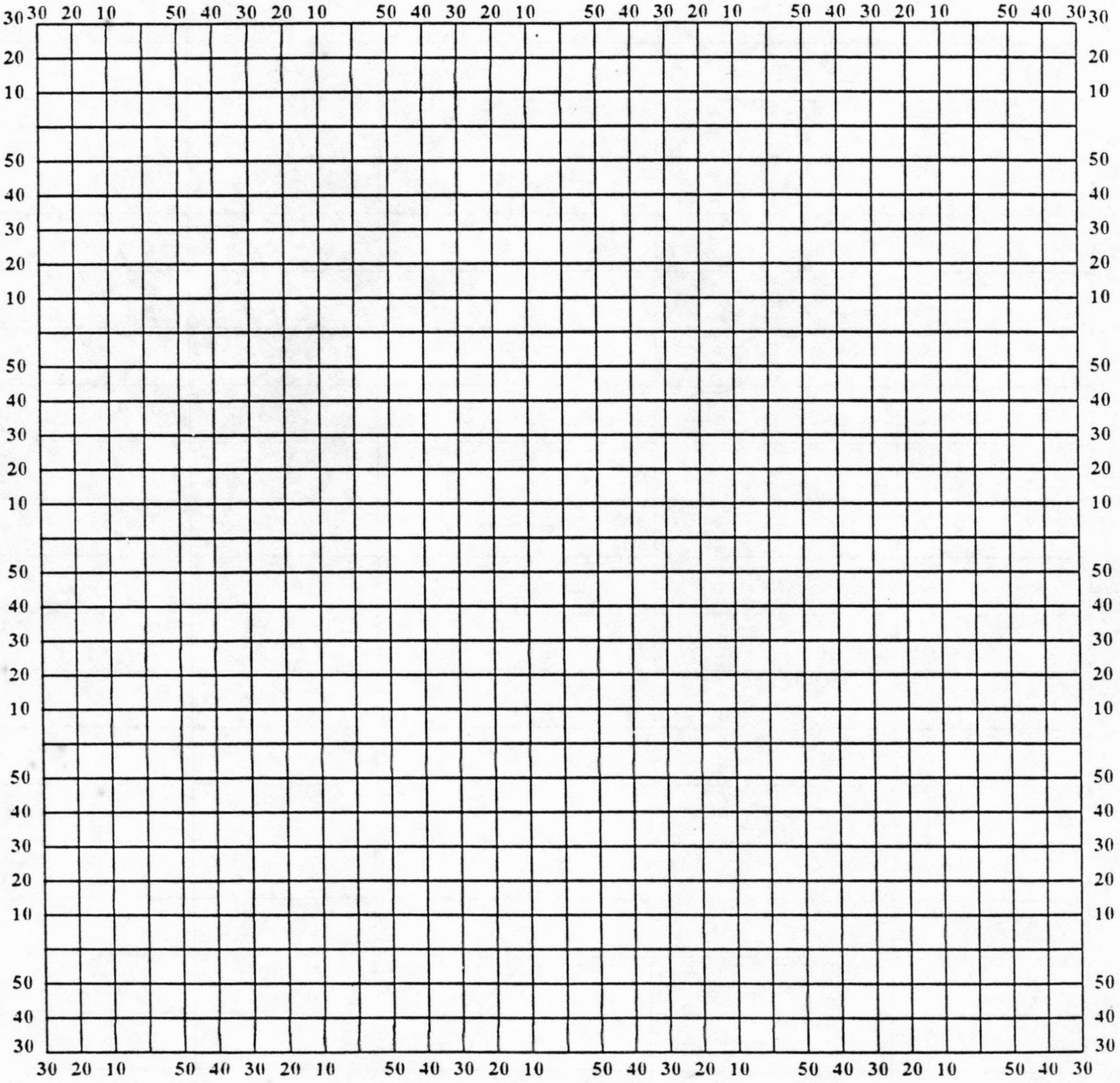
Hurricane Recco Plotting Chart

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.

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Lead Project Scientist Event Log

Date ____________ Flight ____________ LPS ____________

Time	Event	Position	Comments