19930831 I1-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.

Form E-2
Page 1 of 5

On-Board Lead Project Scientist Check List

Date 31AUG93 Aircraft N43RF Flight ID 930831I

A. Participants

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj. Sci.	WILLOUGHBY	Flight Director	BOGERT
Cloud Physics	WILLIS	Pilots	PHILLIPS BOZN/McKIM
Radar	BUZPEE	Navigator	KOZAK
Doppler		Sys. Engr.	GOLDSTEIN
Photographer		Data Tech.	LYNCH
Omegasonde		El. Tech.	
~~AXBT/AXCP~~ WOIRKSTA	GRIFFIN	Other	

Take-Off Location BOSTON Landing Location

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind

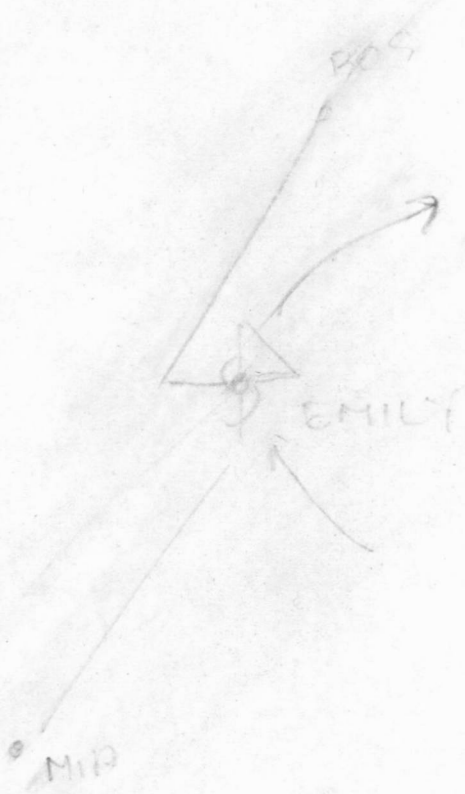
C. Mission Briefing

RETURN MIA, FLY FIG 4 IN EMILY

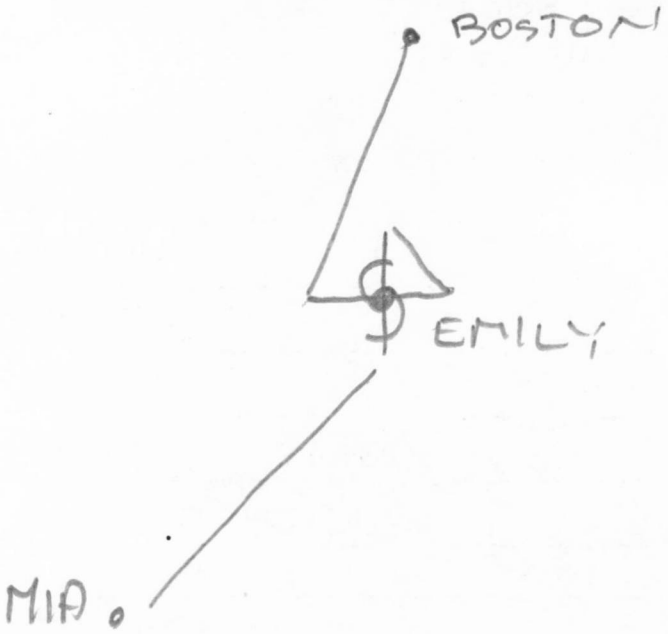
D. Equipment Status

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

REMARKS:



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

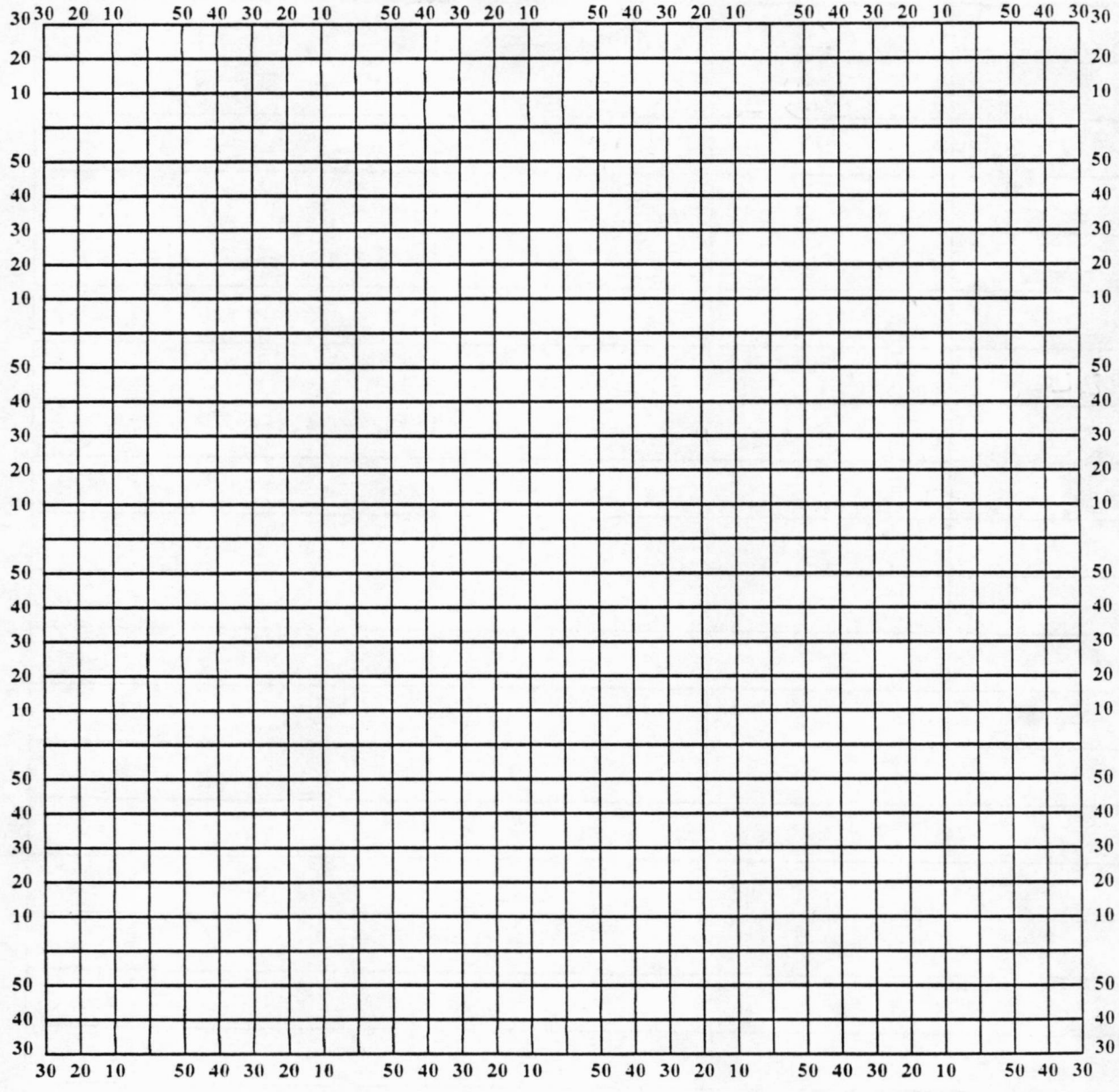


E. II. Actual Flight Pattern

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.

Lead Project Scientist Event Log

Date 31AUG93 Flight 930831I LPS WILLOUGHBY

Time	Event	Position	Comments
31/1948	T/O	BOSTON	
2123	IP TRAK 180→G	36-21 75-06	EST G 35 75
2139	G	35-14 75-10	TRAK S 962 mb FROM TEAL
2148	TURN 045	34-26 75-08	50 nmi FROM G
2205	TURN 270	35-15 74-20	TRAK 270→G
2213	G	35-16 75-05	SORT OF NEAR G BUT NOT THERE
2223	TRAK OUT 270 FROM G	35-16 75-00	
2235	TRAK→MIA	35-15 76-06	W OF G
01/0041	RECOVER	MIA	AC→TAMPA LATER

TEAL 40 60

42:961 mb
961 mb