

19980923 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 AOC 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 AOC 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 AOC flight director 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 AOC flight director.]
- _____ 4. Obtain a copy of the 10-s flight listing from the AOC 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 coordination required.
- _____ 7. Prepare written mission summary.

On-Board Lead Project Scientist Check List

Date 23 SEPT, 1998 Aircraft N43RF Flight ID 980923II

A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	_____	Flight Director	<u>PARRISH</u>
Cloud Physics	_____	Pilots	<u>TENNISON, O'MARA</u>
Radar	<u>GAMACHE</u>	Navigator	<u>STRONG</u>
Workstation	<u>DODGE</u>	Systems Engineer	<u>BURCH, LYNDEN</u>
Photographer/Observer	_____	Data Technician	<u>J. SMITH</u>
Omegasonde	_____	Electronics Technician	_____
AXBT/AXCP/Guest	_____	Other	_____

Take-Off: 2151 Location: OPA-LOCKA
 Landing: 0620 Location: MAC DILL Number of Eye Penetrations: _____

B. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind

C. Mission Briefing:

FLY NEAR COAST OF CUBA ON BEACH PATROL, UNLESS
EYE POPS OUT OVER OCEAN DURING MISSION
THIS IS ^{TASKED} A RECON MISSION

D. Equipment Status (Up, Down, Not Available, Not Used)

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft			
Radar/LF			
Radar/TA (Doppler)			
Cloud Physics			
Data System			
Omegasondes			
AXBT/AXCP			
Workstation			
Videography			

REMARKS:

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

E (II) Actual Flight Pattern

Lead Project Scientist Event Log

Date 98092321

Flight N43RF

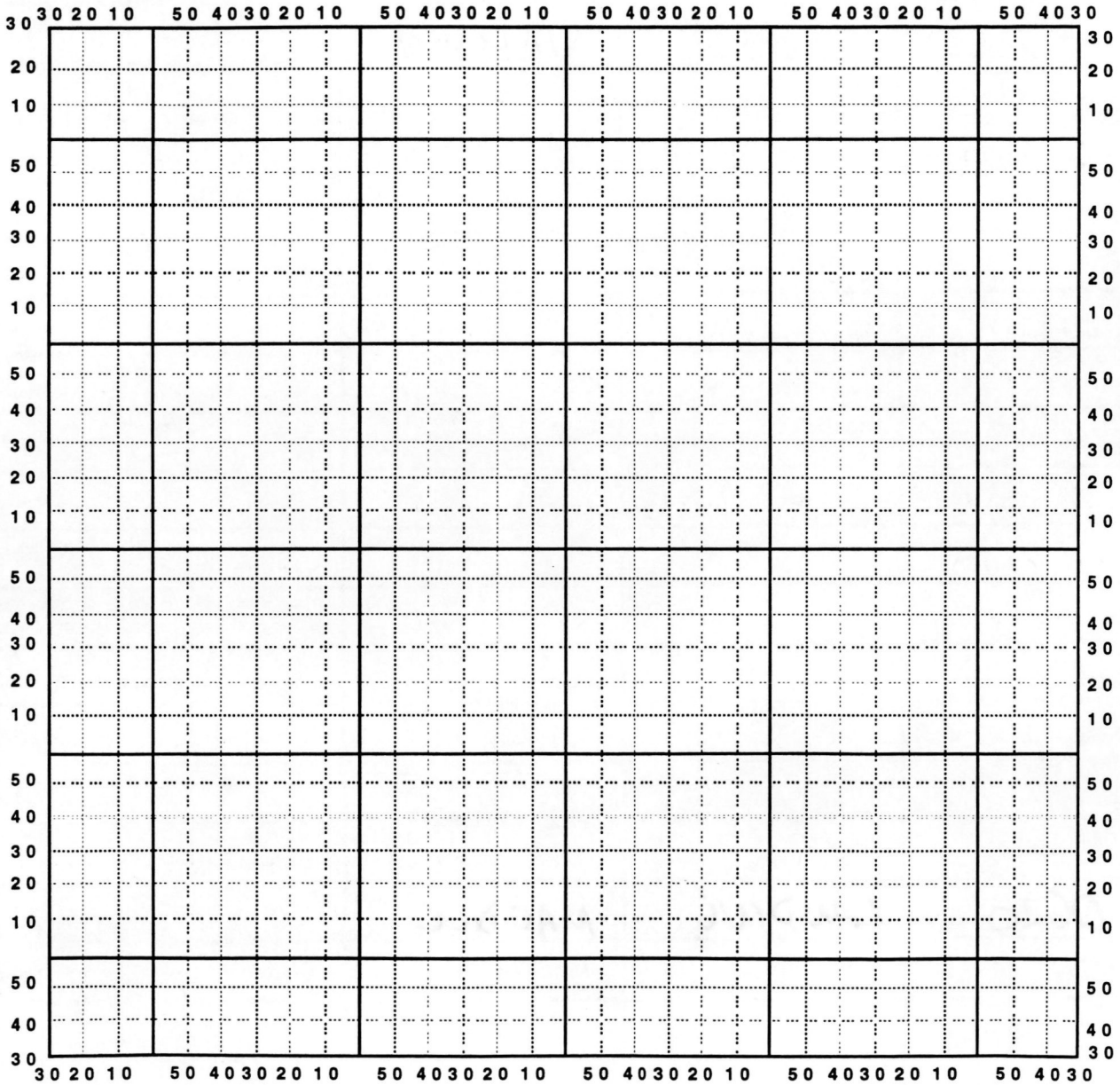
LPS RECON

Time	Event	Position	Comments
215115	T/O	SPA LOCKET	
220520			
231755	LIGHTNING	224' 6000 754'	GOING THROUGH CONV out of ground 99 / 48 lots
234401	DESCENT TO 5,000	21°0' 73°40'	
0045	TURN	19°31' 75°56'	Went west to drop winds. Now turned around
0130	9 (RADAR)	20°28' 75°25'	
013008			RADAR STOP
025844	TURN	21°26' 73°40'	FROM 80° to WNW
031500	TURN	22°22' 74°22'	FROM WNW to 245°
0332	TURN	21°53' 75°34'	FROM WSW to SSW
0345	TURN	21°13' 75°28'	TURN TO ESE
0407	TURN	28°42' 74°22'	TURN (180°) to WNW
0620	LANDING	MACDILL	

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes

Date _____ Flight ID _____ LPS _____



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

Lead Project Scientist Event Log

Date _____ Flight _____ LPS _____

Time	Event	Position	Comments

Lead Project Scientist Event Log

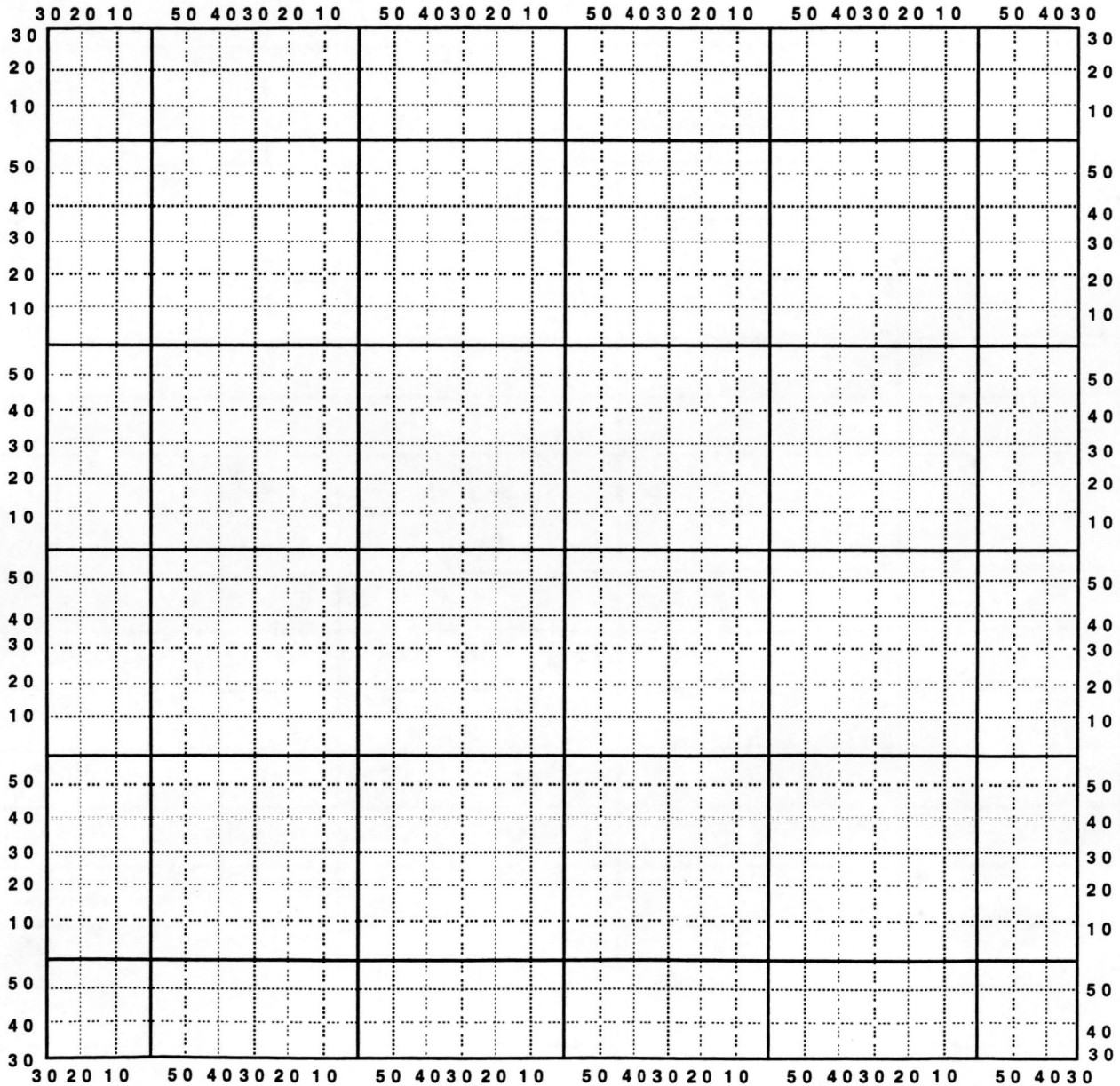
Date _____ Flight _____ LPS _____

Time	Event	Position	Comments

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes

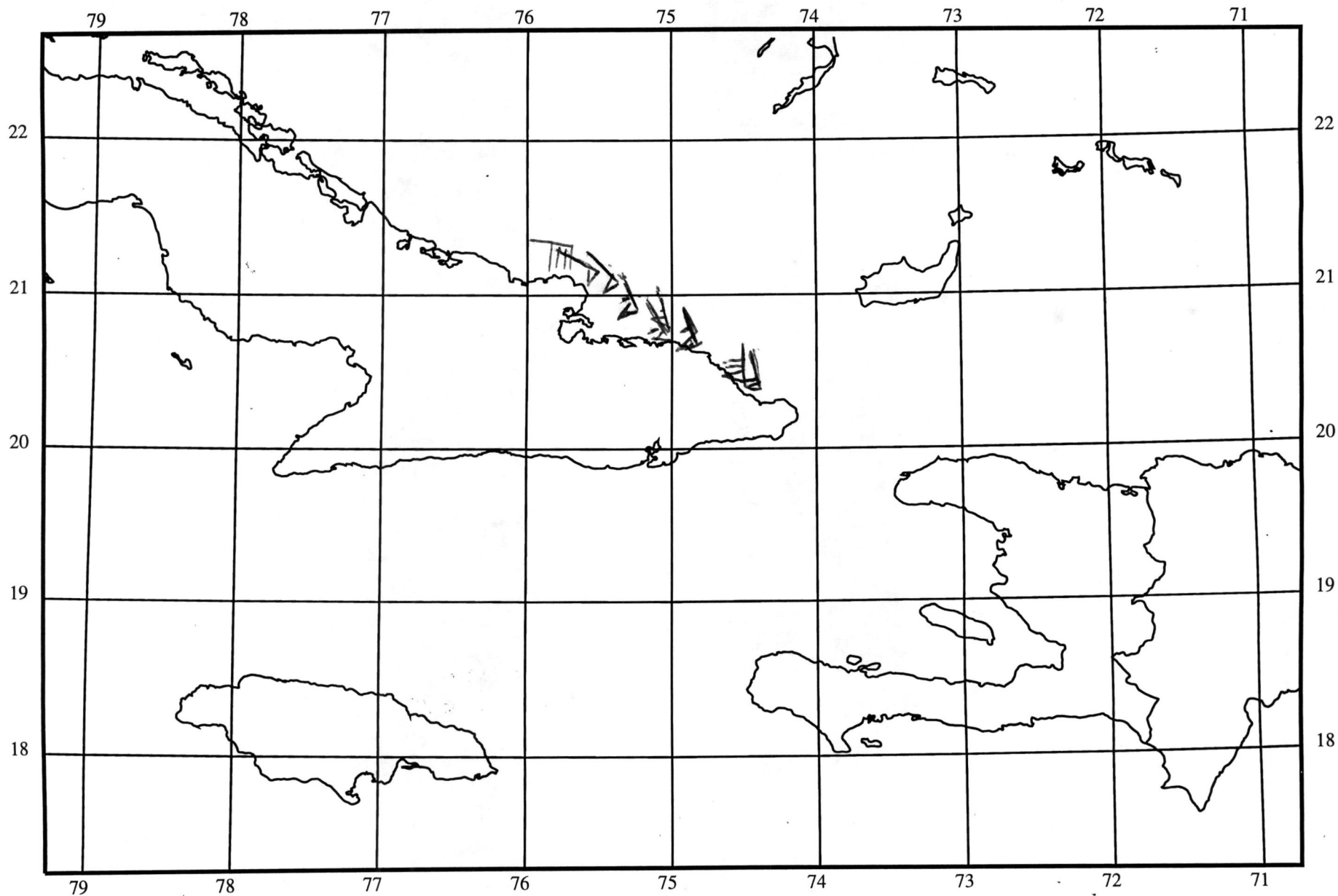
Date _____ Flight ID _____ LPS _____



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

Center Lat: 20.00 Lon: -75.00

0348 -



0 50 100 150 km

230 km range rings
150 km haze rings