

19900921I1.LPS

900921I

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight

- H 1. Participate in general mission briefing.
- H 2. Determine specific mission and flight requirements for assigned aircraft.
- H 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.
- H 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Arrange ground transportation schedule when deployed.
 - c. Determine equipment status.
- H 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.
- H 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

- H 1. Confirm from OAO flight director/meteorologist that satellite data link is operative (information).
- H 2. Confirm camera mode of operation.
- H 3. Confirm data recording rate.
- H 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.

Date 21 SEP 90 Aircraft N4312F Flight ID 900921I

HRD

0AO

Function	Participant
Flight Director	DARRIS M
Pilots	TICKNOZ, KENNEDY
Navigator	NOCUTIS
Sys. Engr.	GOLDSTEIN
Data Tech.	
El. Tech.	
Other	

Take-Off 21/1404 Location BARBEROS Landing

Location

<u>Date/Time</u>	<u>Latitude</u>	<u>Longitude</u>	<u>MSLP</u>	<u>Max. Wind</u>
21/1800	18°10'	50°35'		35 kt

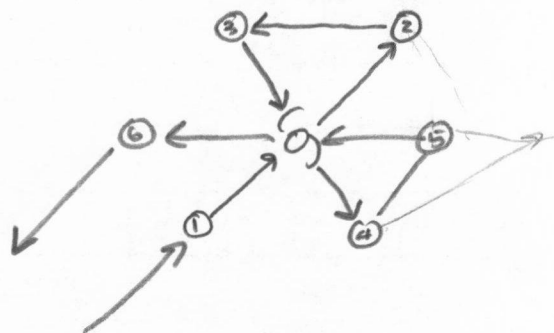
FLY SIX-SIDED WEAK VORTEX PATTERN

D. Equipment Status

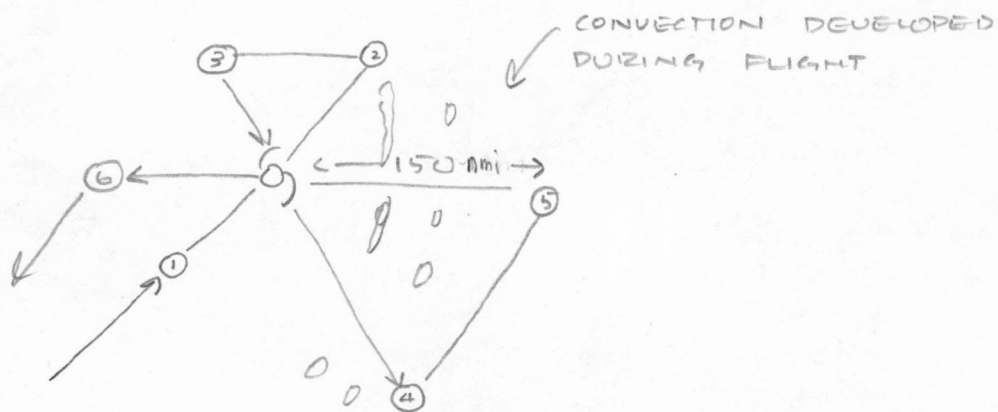
<u>Equipment</u>	<u>Pre-Flight</u>	<u>In-Flight</u>	<u>Post-Flight</u>
Aircraft	<u>↑</u>	<u>↑</u>	<u> </u>
Radar	<u>↑</u>	<u>↑</u>	<u> </u>
Cloud physics	<u>NOT OPERATED</u>	<u> </u>	<u> </u>
Data system	<u>↑</u>	<u>↑</u>	<u> </u>
Omegasondes	<u> </u>	<u> </u>	<u> </u>
AXBT/AXCP	<u> </u>	<u> </u>	<u> </u>
Doppler	<u>↑</u>	<u>↑</u>	<u> </u>
Photography	<u> </u>	<u> </u>	<u> </u>

REMARKS:

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



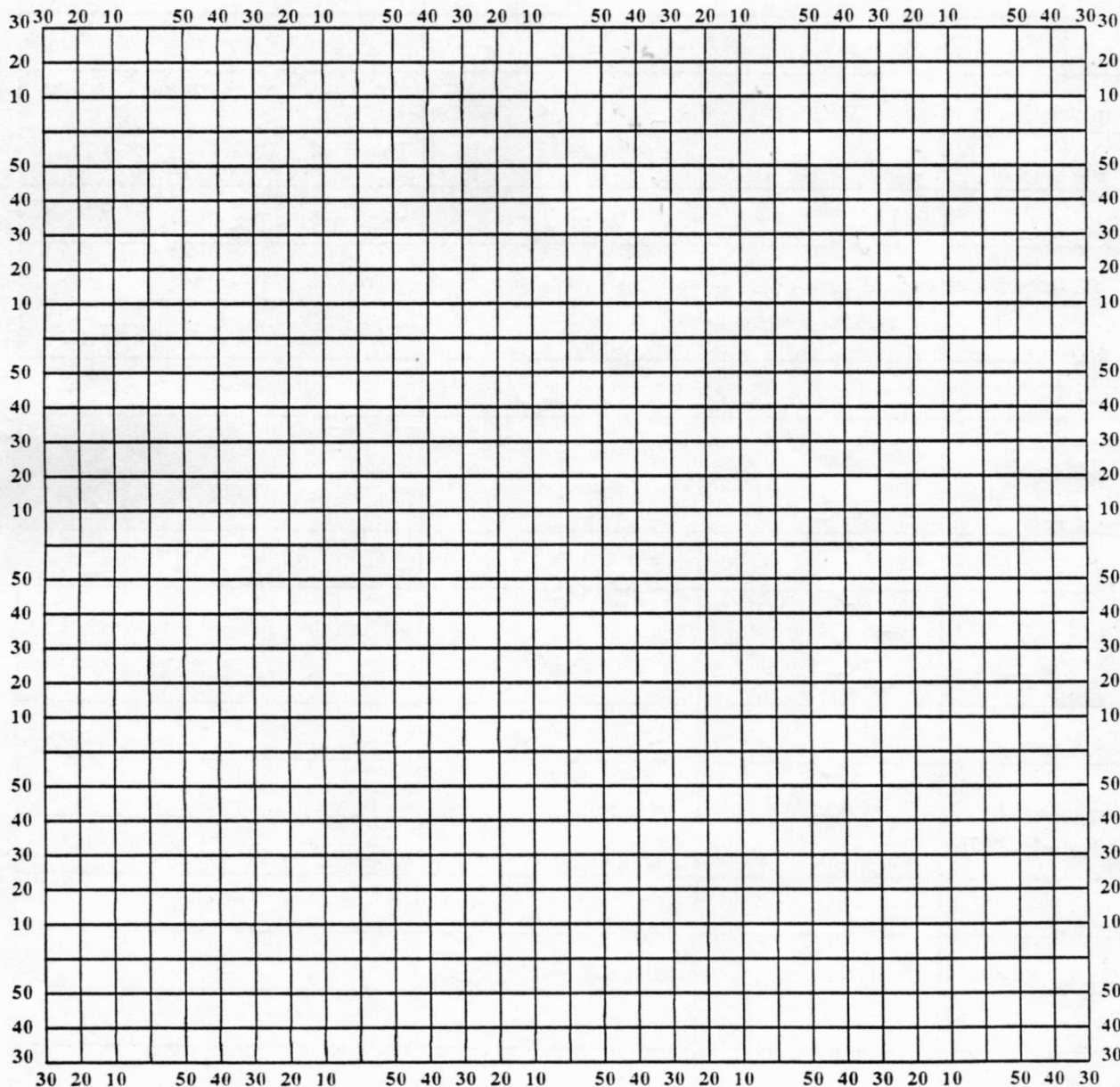
E. II. Actual Flight Pattern



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 21 SEP 90 Flight 900921I LPS WILLOUGHBY

Time	Event	Position	Comments
21/1407	T10	BARBADOS	
1548	AT 5000'	16°18' 52°27'	TRAK TOWARD IP
1605	IP, #1	16°44' 51°27'	TRAK 030 TO 6
1622	6	17°15' 50°51'	SLP 1004 TRAK 030
MANEUVERING TO CROSS CENTER			
1630	START OUTRND LEG	17°15' 50°51'	TRAK 030 TO #2
1657	#2	18°44' 50°04'	TRAK W TO #3
1707 1709	WIND/SURF PASS AT 250'		
1721	#3	18°44' 51°42'	TRAK 120 TO 6
1749	6	17°14' 50°46'	MIN SLP 1003 TRAK 150 TO #4
1828	#4	15°05' 49°29'	TRAK 030 TO #5
1905	#5	17°14' 48°09'	TRAK 270 TO 6
1944	6	17°16' 50°40'	SLP 1004 TRAK 270 TO #6
2009	#6	17°15' 52°20'	FINAL POINT
2009-2017	TRUE AIRSPEED CALIBRATION		
2019	#6	17°13' 52°54'	FINAL POINT CLIMB
2206	RECOVER	BARBADOS	

270 000
280 010
290 020
300-030
310-040
320 050
220 060
TO 2

5215
5040
130

100(1+5)P

P