

19880915 I1-LPS

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.
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.

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D. Equipment Status

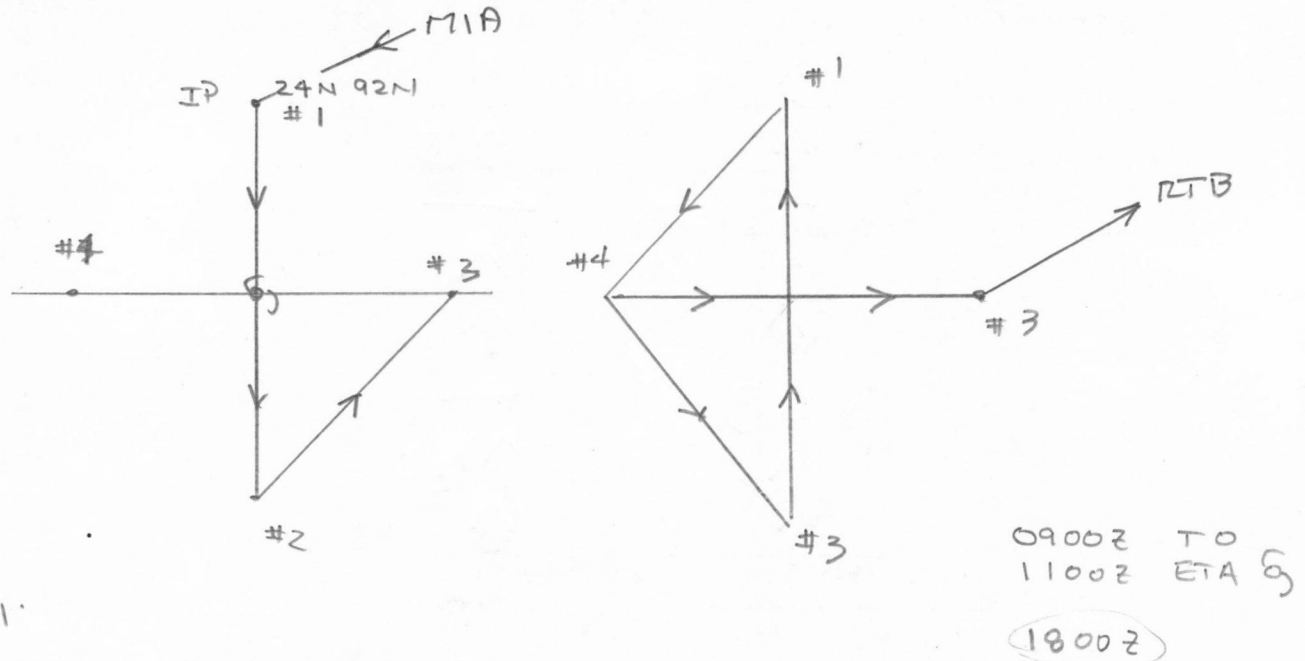
<u>Equipment</u>	<u>Pre-Flight</u>	<u>In-Flight</u>	<u>Post-Flight</u>
Aircraft	↑	↑	
Radar	↑	↑ ①	
Cloud physics	NOT OPER.	—	
Data system	↑	↑	
Omegasondes	↑	↑	
AXBT/AXCP	NOB	—	
Doppler	↑	↑ ①	
Photography	↑	↑	

REMARKS: CLEARANCE PROBLEMS FROM OUTSET: SOVIET
IL 18 HAS FL 035-195 IN OUR
MISSION AREA. CALL SIGN METLAB.

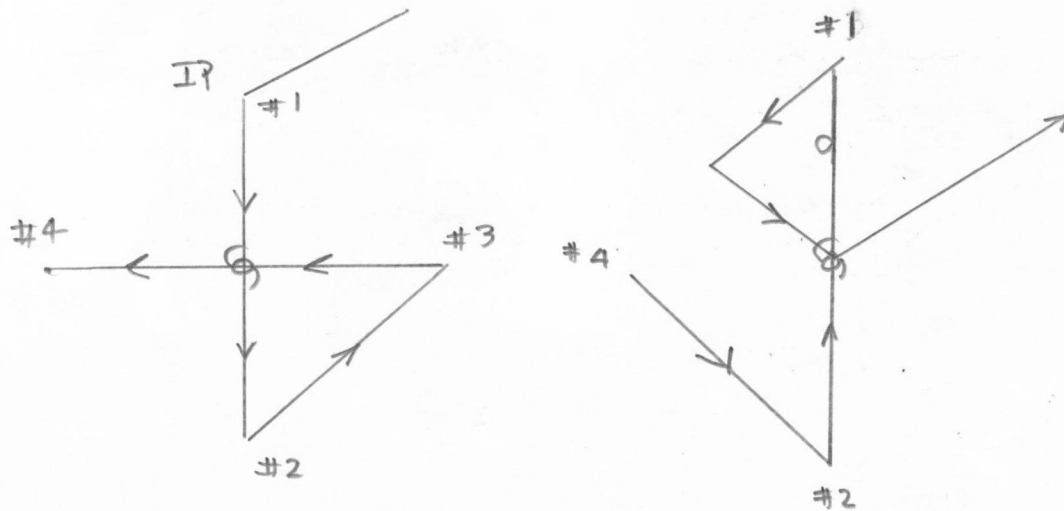
RUSSIANS APPARENTLY WENT AWAY

① TAIL AND DOPPLER RADAR INOP
INTERMITTANTLY

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



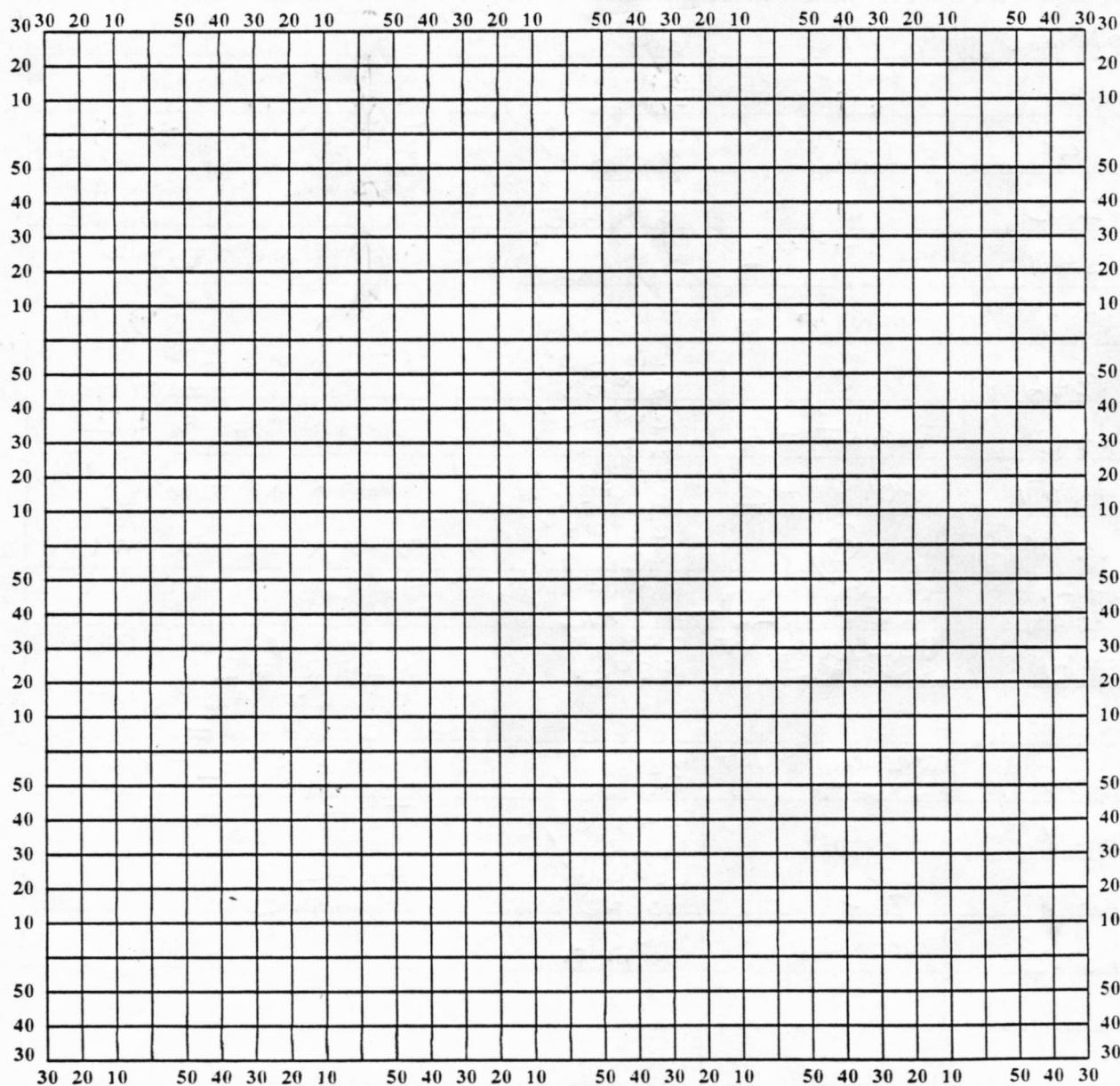
E. II. Actual Flight Pattern



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.

ETD: 1647

Lead Project Scientist Event Log

Date 15 SEP 88

Flight 880915I

LPS WILLOUGHBY

Time	Event	Position	Comments
1510940	T10	MIA	
1139	DESCEND TO IP	24° 13' 90° 34'	OPERATE AT 1500 M
1149	I.P.	24° 05' 91° 29'	TRAK 180 → 6 VIS ON RADAR
1223	(6)	21° 49' 91° 45'	950 mb MIN SLP (GA 1745, RA 804)
1249	POINT #2	20° 10' 91° 49'	TRAK NE → #3
1317	POINT #3	21° 47' 89° 57'	TRAK W → 6
1346	(6)	21° 50' 91° 53'	950 mb SLP TRAK W → #4
1411	POINT #4	21° 52' 93° 40'	TRAK SE → #2
1437	POINT #2	20° 37' 91° 59'	TRAK N → 6
1459	(6)	22° 05' 92° 07'	TRAK N → #1
1521 - 1529	ORBITING AEROPLOT	TO FIND STATUS OF A/C	
1535	PSEUDOPPOINT (SORT #15)	24° 15' 92° 21'	TRAK SSW TO NEAR #2
			SQUIET AC EST 6 1700Z
1555	PSEUDOPPOINT #4	22° 43' 93° 06'	TRAK ESE → 6 65 MI OUT
1607	(6)	22° 08' 92° 28'	TRAK E → #3
1629	#3	22° 06' 90° 58'	FINAL POINT CLIMB
1848	RECOVER	MIA	

MX WIND
OUTER 6
85 Kt

MAX WIND
OUTER MAX 72

85 Kt 2MX