

19840912H2-LPS

18
2

Form E-1
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On-board Lead Project Scientist Checklist

DATE 12 SEP 84

AIRCRAFT N42RF

FLT. 840912H2

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>WILLOUGHBY</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>GRIFFIN</u>	Omegasonde	<u>N/A</u>
AXBT/ AXCP	<u>N/A</u>	Sys Eng	<u>DUGRANT/UT</u>
Hot Film	<u>N/A</u>	Data Tech	<u>STONE</u>
Radar	<u>GRIFFIN</u>	EI Tech	
Flt Dir/Met	<u>DAVIS</u>	Other	

Take Off 12/2206 Location MIA Landing 13/0138 Location MIA

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP
	<u>1938</u>	<u>33°56'</u>	<u>77°12'</u>	<u>969/105</u>
<u>12/12</u>	<u>1759</u>	<u>33°58'</u>	<u>77°10'</u>	<u>970 MB/100 KT</u>
	<u>1635</u>	<u>34°00'</u>	<u>77°09'</u>	<u>970 MB/93 KT</u>
	<u>1511</u>	<u>34°00'</u>	<u>77°08'</u>	<u>970 MB/96 KT</u>
	<u>1402</u>	<u>34°01'</u>	<u>77°08'</u>	<u>967/92 KT</u>

C. Mission Briefing

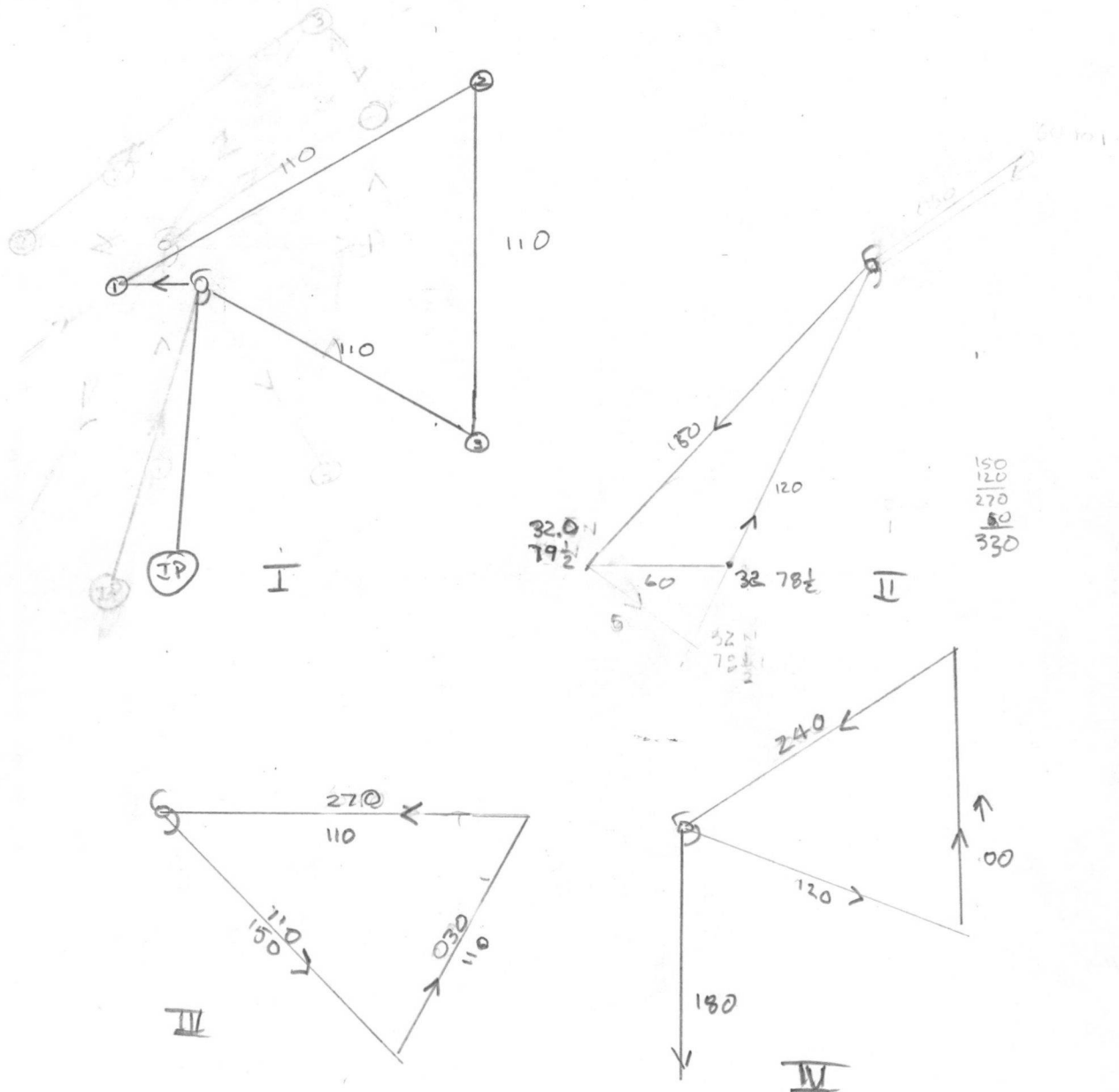
GET 21,00,03Z FIX, FLY VORTEX INTERACTION

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	↑	↑	↑	HU
Radar	↑	↑	↑	HU
Cloud Physics	↑	↑	↑	HU
Data Sys	↑	↑	↑	
Omegasondes				
AXBT/AXCP				
Gust Probe				
Hot Film				
Photography				

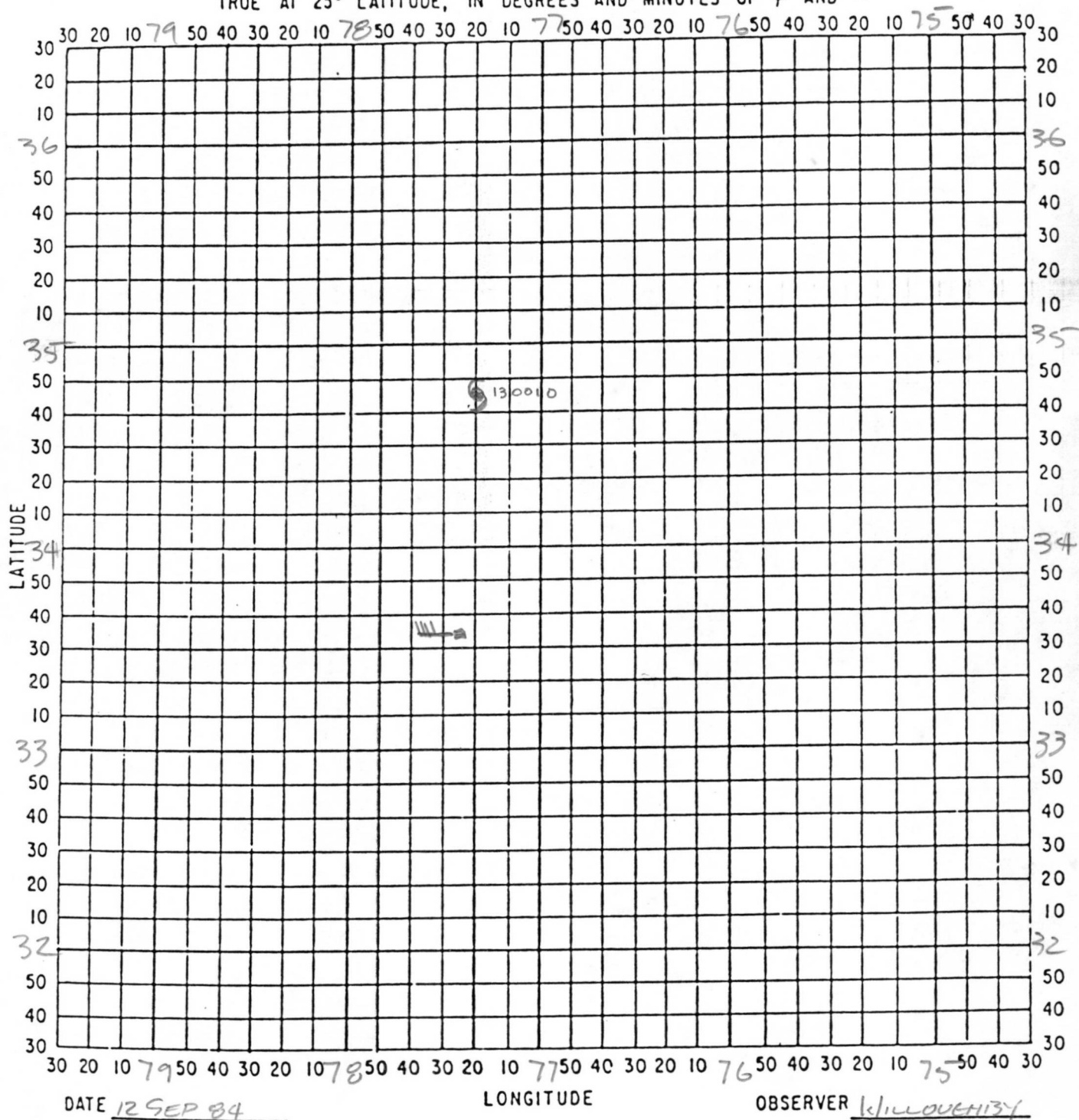
REMARKS

E. Proposed and Actual Flight Patterns (Identify by number and type - give reason for modification)



HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



NOTE: Lobe: full degrees according to location of flight area

DATE 12 SEP 84

FLIGHT 840912H2

LPS WILLOUGHBY

Lead Project Scientist Event Log

EVENT	TIME*	POSITION	COMMENTS**
TAKE OFF	12/2206	MIA	
AT 850 MB	2327	31.17 77.62	
9	13/0010	33.80 (48) 77.33 (20)	RT TURN TO TRK 270° → MIN SLP 972 100 KT
TURN	0016	IN STEWAY WHEE!!	TRAK 060 TO POINT NE OF 9
TURN	0042	34.50 76.16	TRAK 180 TO POINT SE OF 9
TURN	0102	33.52 76.20	TRAK 230 → 9
TURN	0107	33.32 76.49	TRAK 303 → 9
9	0122	33.83 (50) 77.45 (27)	TRAK 225 FROM 9 MIN SLP 974
TURN	0204	32.02 74.41	TRAK 090 TO POINT SE OF 9
TURN	0216	31.99 78.51	TRAK 025 → 9
9	0247	33.84 77.57	TRAK 150 → 9 MIN SLP 975
TURN	0317	32.26 76.48	TRAK 030
TURN	0342	33.80 75.39	TRAK 270 → 9
9	0412	33.87 77.73	TRAK 9 → 135 MIN SLP 977
TURN	0444	32.88 75.71	TRAK 360 TO POINT N OF 9
TURN	0511	34.83 75.66	TRAK 240 → 9
9	13/0542	33.93 56 77.86 51	TRAK 180 → 9 MIN SLP 977
CLIMB FINAL POINT	13/0622	31.33 77.91	RTTB
LAND	13/0738	MIA	.

1220 M - 850
80 KT 30NM

*Log times of all significant altitude changes, turns, and eye fixes
**New altitude, heading, center position, etc.