

On-board Lead Project Scientist Checklist

DATE Aug 23 1983 AIRCRAFT 43 FLT 830823I1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>Jorgensen</u>	Gust Probe Navigator	<u>Nelson</u>
Cloud Physics	<u>Willis</u>	Omegasonde	
Doppler AXD	<u>Lord</u>	Sys Eng	<u>Dugranut</u>
Radar Hot Film	<u>Feinberg</u>	Data Tech	<u>Stone</u>
Radar	<u>Cheng</u>	EI Tech	<u>Goldstein</u>
Flt Dir/Met	<u>Davis</u>	Commander Other Pilot	<u>Turner</u>

Take Off 1110 Z Location Mia Landing 2100 Location MIA

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP
<u>8-23</u> 1983	<u>10 Z</u>	<u>24</u>	<u>77</u>	<u>1015</u>

C. Mission Briefing

Fig '4' - Weak system, convection east of center

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	<u>ok</u>	<u>ok</u>	<u> </u>	<u>Yes</u>
Radar	<u>ok</u>	<u>ok</u>	<u> </u>	<u>Yes</u>
Cloud Physics	<u>ok</u>	<u>No cloud probe</u>	<u> </u>	<u>Yes</u>
Data Sys	<u>ok</u>	<u>ok</u>	<u> </u>	<u>Yes</u>
Omegasondes	<u> </u>	<u> </u>	<u> </u>	<u> </u>
AXBT	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Gust Probe	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Hot Film	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Photography	<u> </u>	<u> </u>	<u> </u>	<u> </u>
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REMARKS

DATE _____

FLIGHT _____

LPS _____

Lead Project Scientist Event Log

EVENT	TIME*	POSITION	COMMENTS**
Take off	1110	Mia	
Wind "L"	1142	24.84 78.41	
Back on track	1153	24.56 78.01	Northwly winds
"Center"	1209	24.0 77.0	Calm
Northwly winds	1234	25.68 76.98	
turn to 115°	1246	25.69 76.10	
"New Center"	1252	25.5 75.5	trk 090° 80 miles
3	1313	25.5 74.12	Southwly winds
4	1348	27.78 75.66	Easterly winds TAK 180°
2	1419	25.65 75.68	Dry S of center 10° depth ber
5	1445	23.96 75.67	
5'	1459	24.12 74.57	
2	1532	26.01 75.7	
4'	1601	27.7 76.8	
1'	1634	25.57 77.21	
3	1659	26.4 75.6	Messed center to South 3635' 76 05
3'	1715	26.96 74.57	
3''	1734	28.28 74.92	
2	1805	26.56 76.08	Messed center forward
1''	1837	24.83 77.09	



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

over →

FLIGHT

DATE

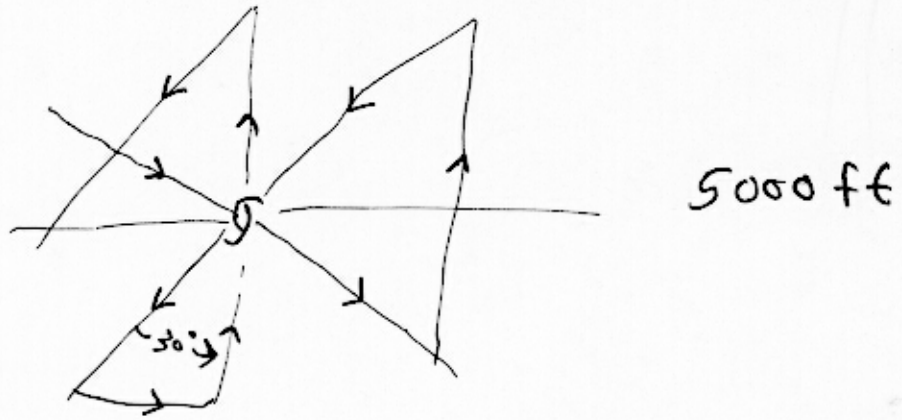
Lead Project Scientist Event Log

<u>Point</u>	<u>Time</u>	<u>Position</u>	<u>Comments</u>
5"	1907	25.86 74.97	
trk 215 for Doppler	1925	25.23 76.18	
End run	1934	25.94 76.60	Cell off to left 5mi turn back to center
pt (2) (center)	1942	26.23 76.26	
End	2004	26.83 77.63	



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

E. Proposed and Actual Flight Patterns



- 1214 Z - Strat-form rain east
- No deep convection anywhere
- well defined Vort_{top} at: 850ms sfc lighter winds
- 1833 - more convection south and west
- 1849 More banded structure near center



