

19810911I1-LPS

On-board Lead Project Scientist Checklist

DATE 9/11/81

AIRCRAFT 43RF

FLT 810911 I 1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>JORGENSEN</u>	Gust Probe	<u>-</u>
Cloud Physics	<u>FEINBERG</u>	Omegasonde	<u>-</u>
AXBT	<u>-</u>	Sys Eng	<u>BERLES</u>
Hot Film	<u>-</u>	Data Tech	<u>-</u>
Radar	<u>LORD/GOLDENBERG</u>	EI Tech	<u>CONNORS</u>
Flt Dir/Met	<u>DAVIS</u>	Other	<u>Turner - Pilot</u> <u>Adams - Navigator</u>
Take Off <u>1311Z</u>	Location <u>Miami</u>	Landing	Location

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP
<u>9/11</u>	<u>15Z</u>	<u>27.5</u>	<u>73.5</u>	<u>75 knts</u>
<u>9/11</u>	<u>18Z</u>	<u>28.3</u>	<u>72.8</u>	<u>80 knts 990</u>
<u>9/11</u>	<u>18Z</u>	<u>29.8</u>	<u>71.5</u>	

C. Mission Briefing

Long term monitoring 80 n.m.ile legs 5,000 ft PA
Short on time - go directly to storm center for fix.
Responsible for 15Z, 18Z, 21Z fixes

D. Equipment Status

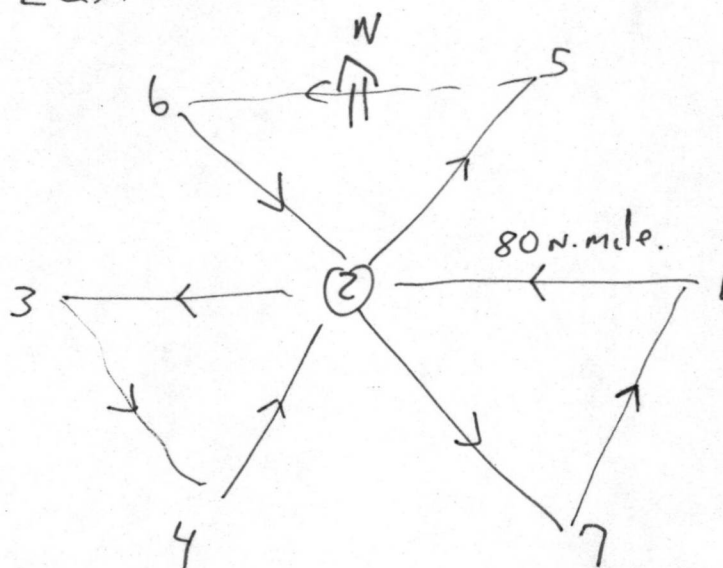
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	ok			
Radar	No LF No TA			
Cloud Physics	ok			
Data Sys	ok			
Omegasondes	-			
AXBT	-			
Gust Probe	-			
Hot Film	-			
Photography	ok			

REMARKS

Cloud probe was worked on just before flight.
No tail radar.
No cloud probe / No FSSP

E. Proposed and Actual Flight Patterns

Long term monitoring - Orienting legs ~~1-2-3~~
1-2-3 East-West



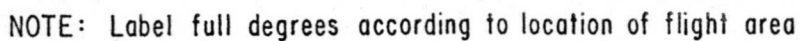
1 Circle in eye ~1518Z to fix center for RECo
Max wind SW 1st pass 30 m s^{-1} Turner estimates sfc
wind > 80 knots

Storm Motion source 10Z $\rightarrow$ 21 knots NE

2^d wind max in bow NE

Last pass- Eye clear to south 40 m s^{-1} sustained winds
East side 28 m s^{-1} west side

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



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FLIGHT 810911I1

LPS JORFENSEN

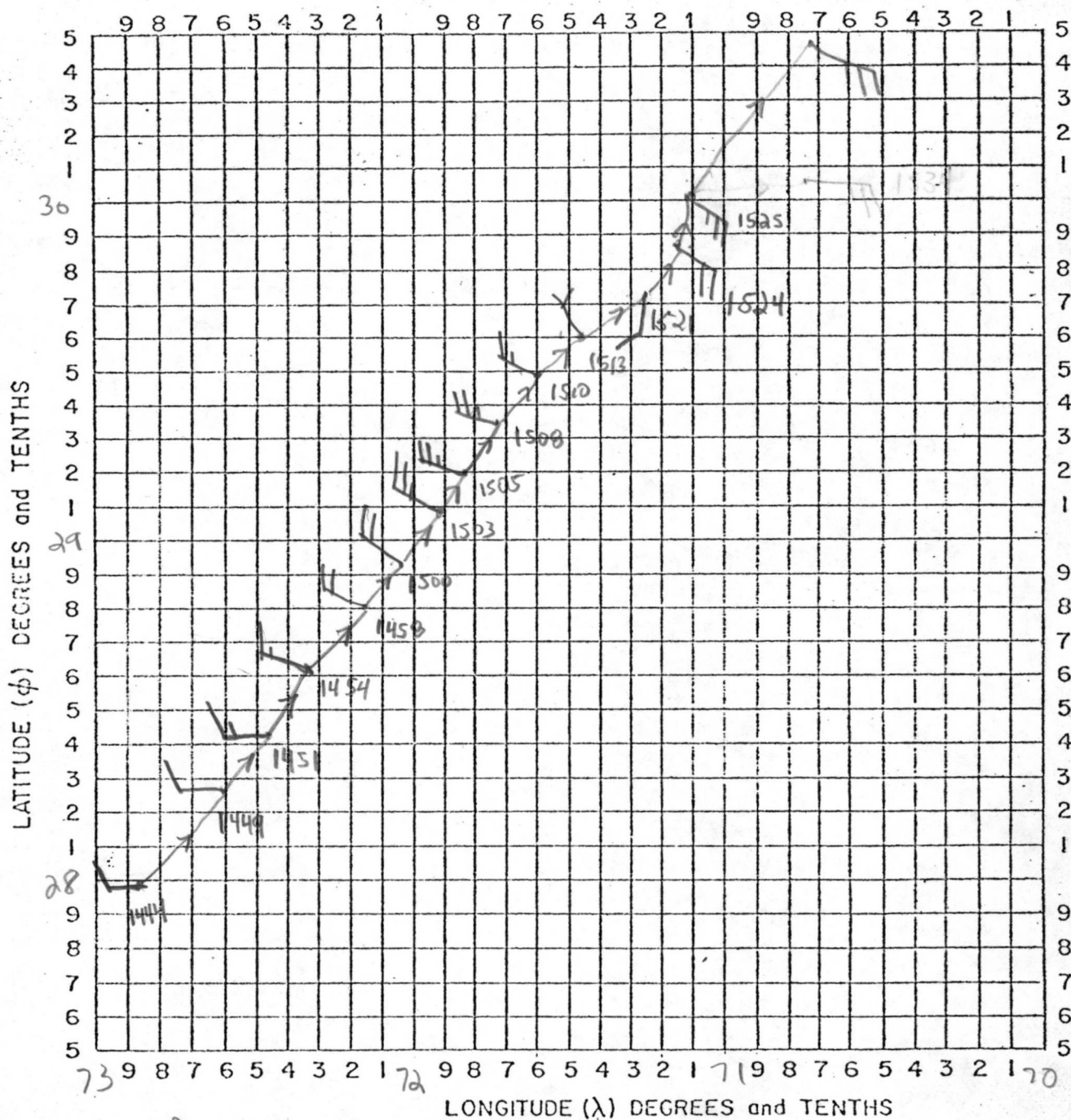
Lead Project Scientist Event Log

Pass #	EVENT	TIME*	POSITION	COMMENTS**
	Take off	1311 Z	MIA	
①	Descent to 5kft	1442 Z	27.9 72.9	No radar echoes ~100 miles from center
②	CNTR	151518Z	29.67 71.35	995 mb SP 30 m s ⁻¹ max wind SW
	Pt 5	153730	30.70 70.65	
	Pt 6	155330	30.70 72.04	New TEK 137°
③	CNTR	161120	29.57 71.17	994 mb CP 20 m s ⁻¹ max NW
④	Pt 7	163110	28.87 70.44	35 m s ⁻¹ max SE
	Pt 1	1650	30.14 69.52	
⑤	CNTR	1710	30.18 70.78	989 mb SP
⑥	Pt 3	172920	30.22 72.40	
	Pt 4	174700	29.29 71.37	
⑦	CNTR	1806	30.42 70.72	990 mb SP
⑧	Pt 5	1825	31.48 69.96	
	Pt 6	183850	31.75 71.10	
⑨	CNTR	1900	30.53 70.62	40 m s ⁻¹ max 989 mb SP
⑩	Pt 7	192616	29.2 69.4	
	Pt 1	194920	30.61 68.31	
⑪	CNTR	201530	30.68 70.35	988 mb SP
⑫	Pt 3	203500	30.65 71.79	

*Log times of all significant altitude changes, turns, and eye fixes

**New altitude, heading, center position, etc.

HURRICANE RECCO PLOTTING CHART

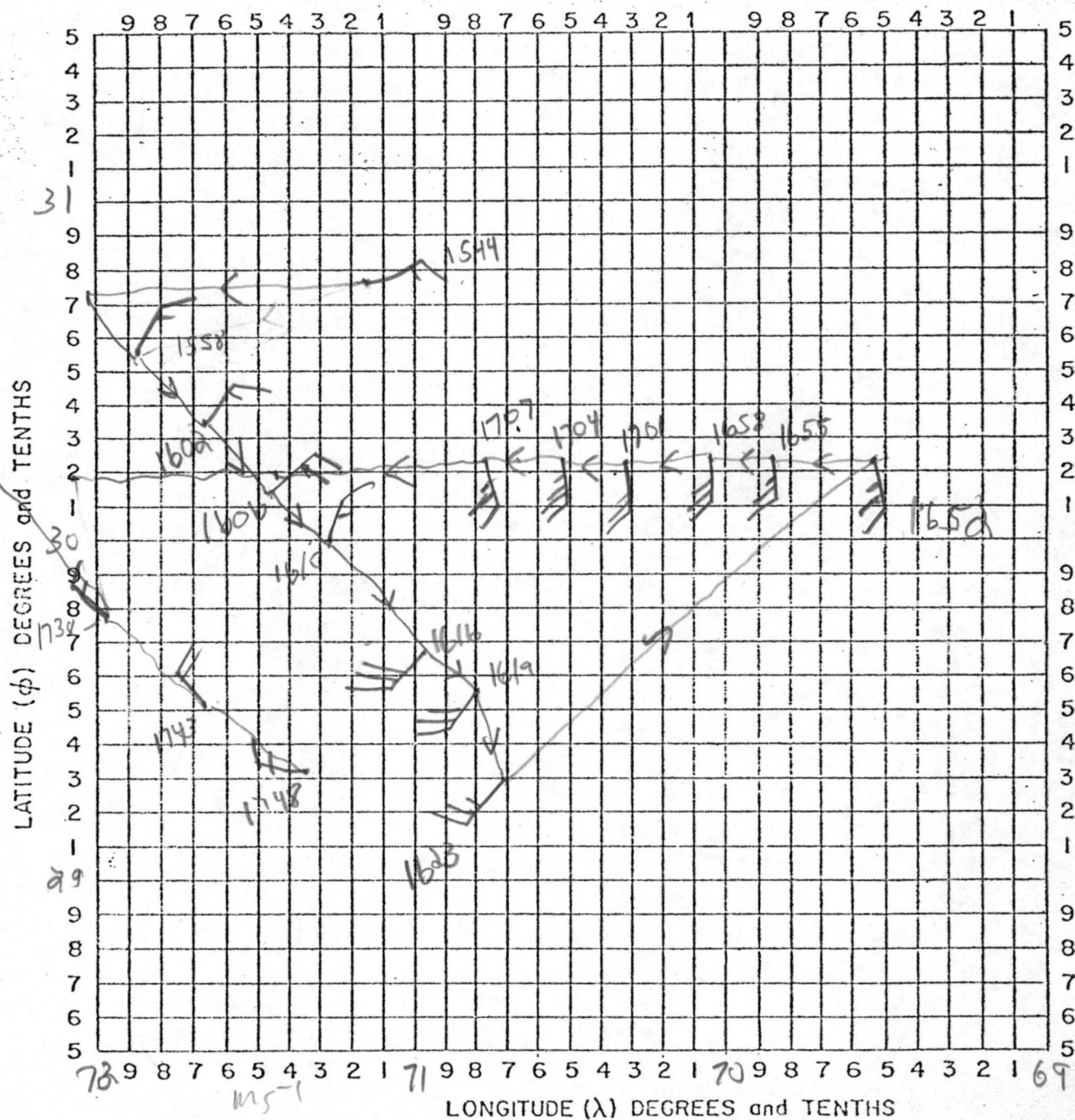


DATE 810911Z GRET
OBSERVER JORGENSEN

LONGITUDE (λ) DEGREES and TENTHS
(1) m5⁻¹

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

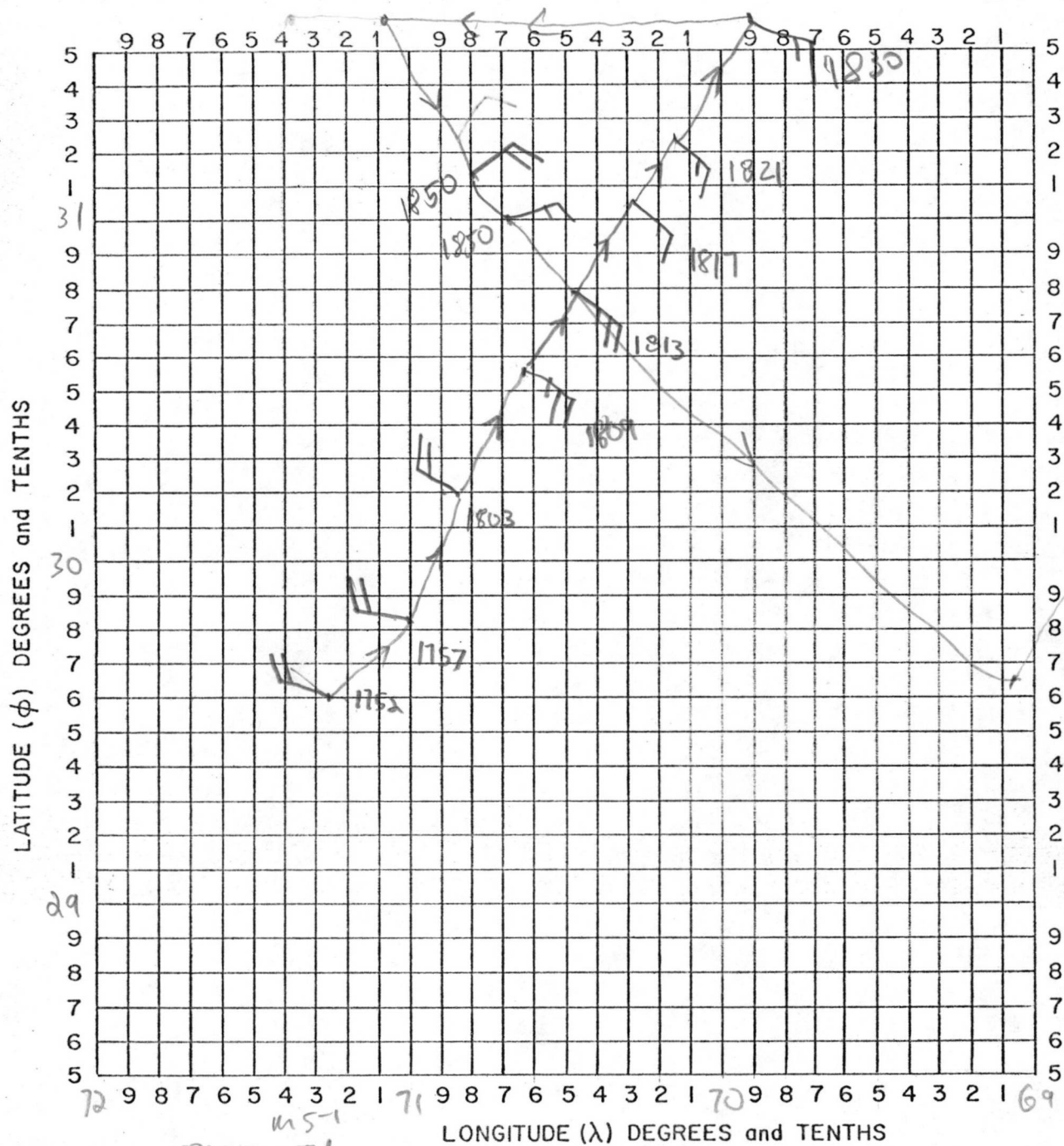


DATE 81091011

OBSERVER JORGENSEN (2)

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



DATE 81091011
OBSERVER JORGENSEN

NOTE: Label full degrees according to location of flight area