

On-board Lead Project Scientist Checklist

DATE 9/11/81 AIRCRAFT 43RF FLT 810911 I 1

A. Participants

<u>Function</u>	<u>Participant</u>	<u>Function</u>	<u>Participant</u>
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 1311Z ~~Miami~~ Location Miami Landing _____ Location _____

B. Past and Forecast Storm Position

<u>Date</u>	<u>Time</u>	<u>Latitude</u>	<u>Longitude</u>	<u>MSLP</u>
<u>9/11</u>	<u>14Z</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. leg 5,000 ft PA
Short on time - go directly to storm center for fix.
Responsible for 15Z, 18Z, 21Z fixes

D. Equipment Status

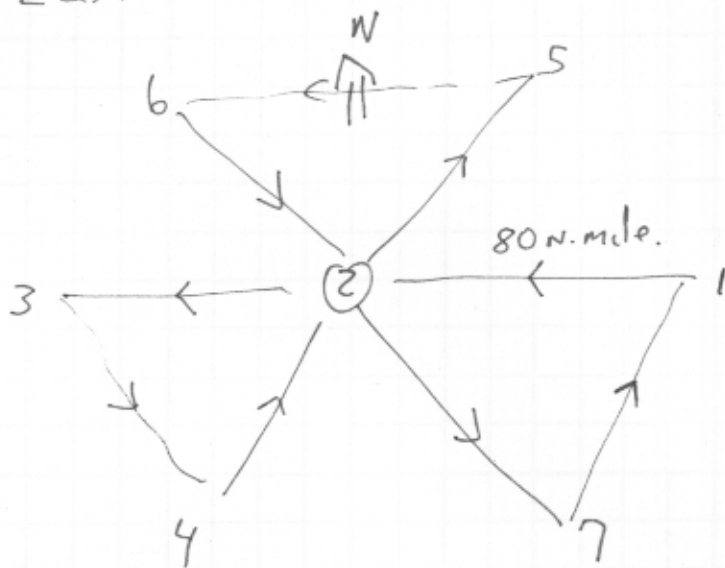
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	ok	_____	_____	_____
Radar	No LF No TA	_____	_____	_____
Cloud Physics	ok	_____	_____	_____
Data Sys	ok	_____	_____	_____
Omegasondes	-	_____	_____	_____
AXBT	-	_____	_____	_____
Gust Probe	-	_____	_____	_____
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 RECCO
Max wind SW 1st pass 30 m s^{-1} Turner estimates sfc
wind > 80 knots

Storm motion source 10Z → 21kts 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

DATE 9/11/81

FLIGHT 810911II

LPS JORFENSEN

Lead Project Scientist Event Log

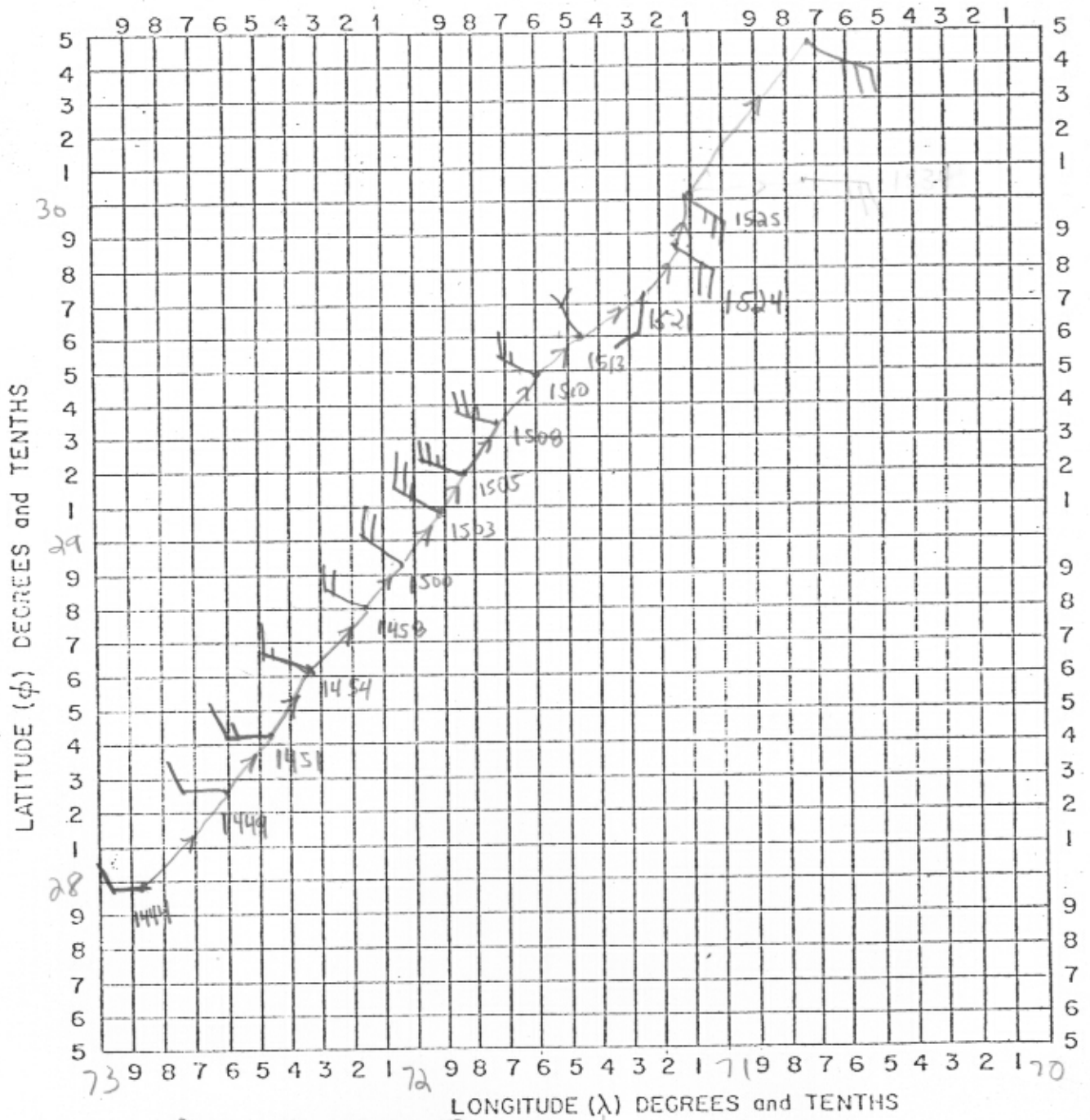
Pass #

	EVENT	TIME*	POSITION	COMMENTS**
	Takeoff	1311 Z	MIA	
①	Descent to 6.5kft	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 winds
	Pt 5	153730	30.70 70.65	
	Pt 6	155330	30.70 72.04	New TRK 137°
③	CNTR	161120	29.57 71.17	994 mb CP 20 m s ⁻¹ max WW 35 m s ⁻¹ max SE
④	Pt 7	163110	28.87 70.44	
⑤	Pt 1	1650	30.14 69.52	
⑥	CNTR	1710	30.18 70.78	989 mb SP
	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

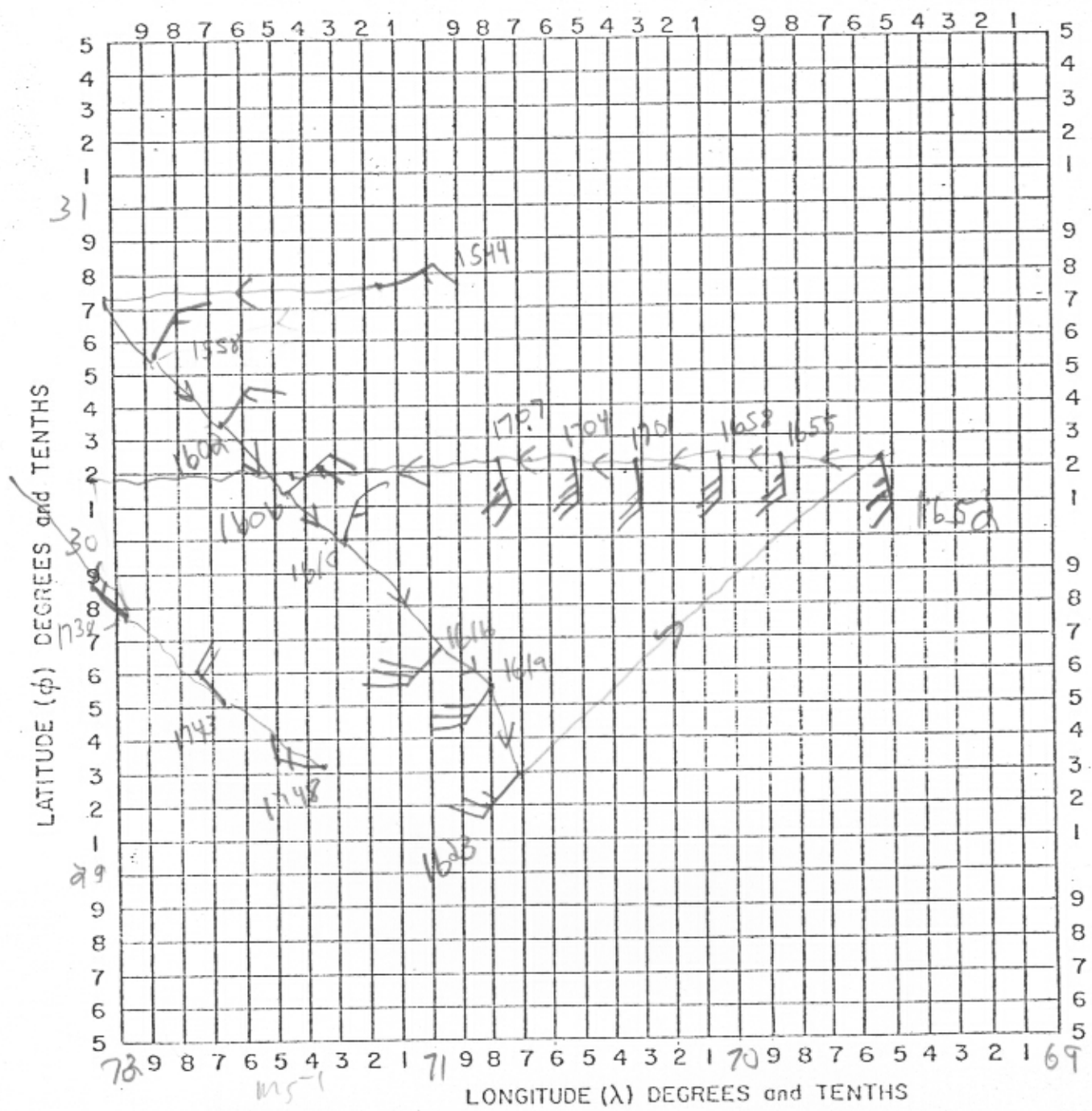


DATE 8/09/11 GRET
 OBSERVER JORGENSEN

(1) ms^{-1}

NOTE: Label full degrees according to location of flight area *

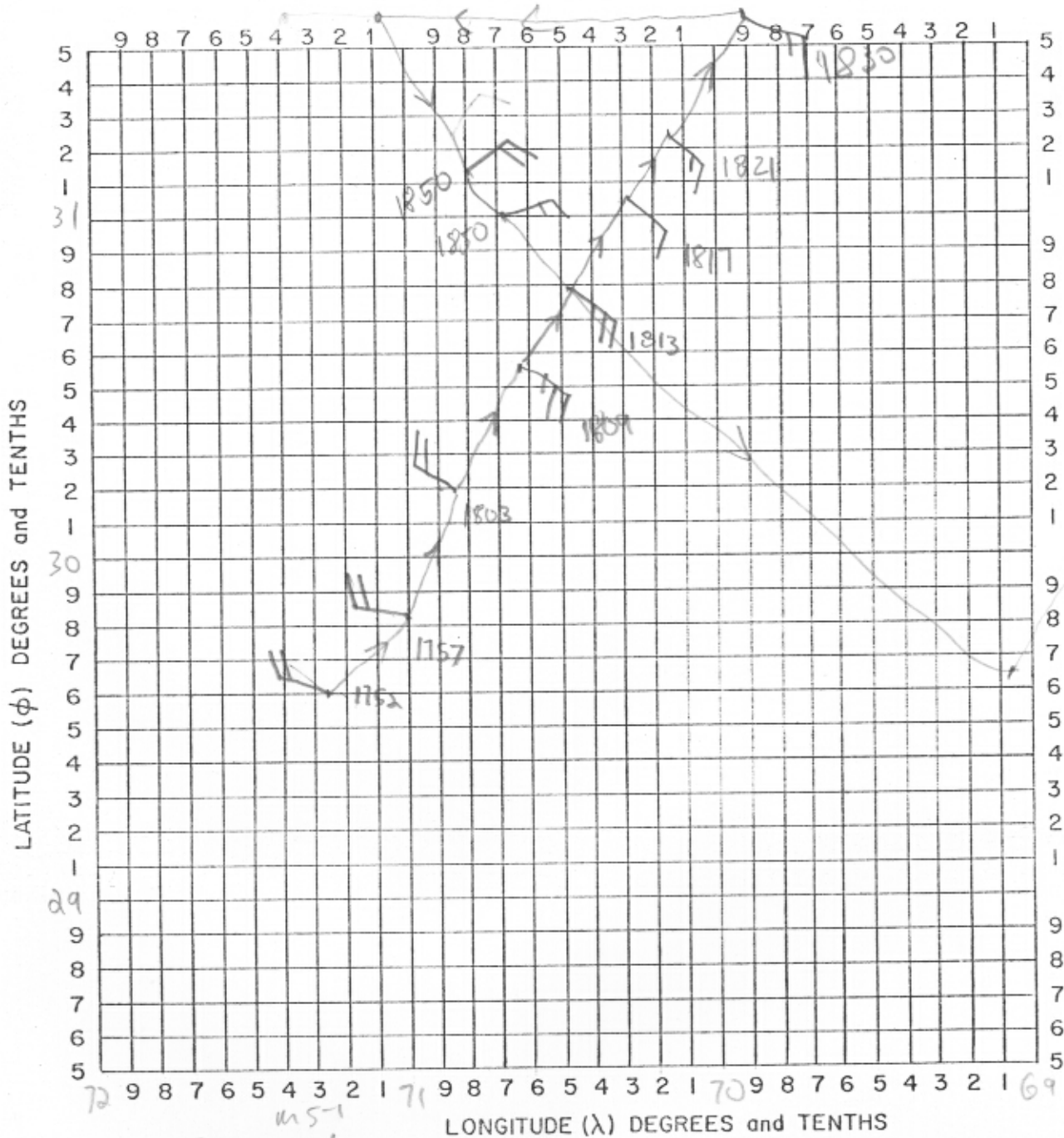
HURRICANE RECCO PLOTTING CHART



DATE 810910J1
 OBSERVER JORGENSEN (2)

NOTE: Label full degrees according to location of flight area *

HURRICANE RECCO PLOTTING CHART



DATE 810910II
 OBSERVER JORGENSEN

NOTE: Label full degrees according to location of flight area