

19950801I1-FDIR

950801I N43RF Hurricane Erin HRD Landfall

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2 (See note)
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1
Altimeter	APN-159
Altitude change option (for vertical winds)	RA
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2951.CON

Notes:

INE 2 positions were corrected periodically with good GPS positions. No corrections were made to groundspeeds.

Removed several Dewpoint #1 spikes early in the flight.

Special note. Locations 80, 81 and 82 of the Type 5 record on the Standard Tape contain vertical groundspeed, vertical airspeed and vertical wind, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Jack Parrish, Flight Director

FLT ID: 250801T	FM: MacD.VI	TO: BOCA CHICA NAS
FLT NO: 95-54	BLK IN: 0259Z	ATA: 0254
ETD: 19Z	BLK OUT: 1859Z	RTD: 1909
EYE: 9	BLK TIME: 8:00 (8.0)	FLT TIME: 7:45 (7.8)
SPONSOR ORG: HAD	PROGRAM: Research	PURPOSE: Land Fall

OAO PERSONNEL

AC Kennedy ✓	SYS ENG Roles ✓
CP O'Mara	DATA SYS Lynch ✓
NAV Rothman ✓	RADAR McMillan
FE Best/Moore ✓	BT/ODW
RADIO Sims Soudi ✓	CLD PHYS
FD Parrish	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Camacho ✓	P.I.	HAD
Black, R. ✓	Radar ↓	↓
Black, M. ✓	C.P.	↓
Loft, K. ✓	Visitor	Tampa Tech
McKenney, B. ✓	"	Thunderbolt

Act
29.53
2012.8

29.75
47

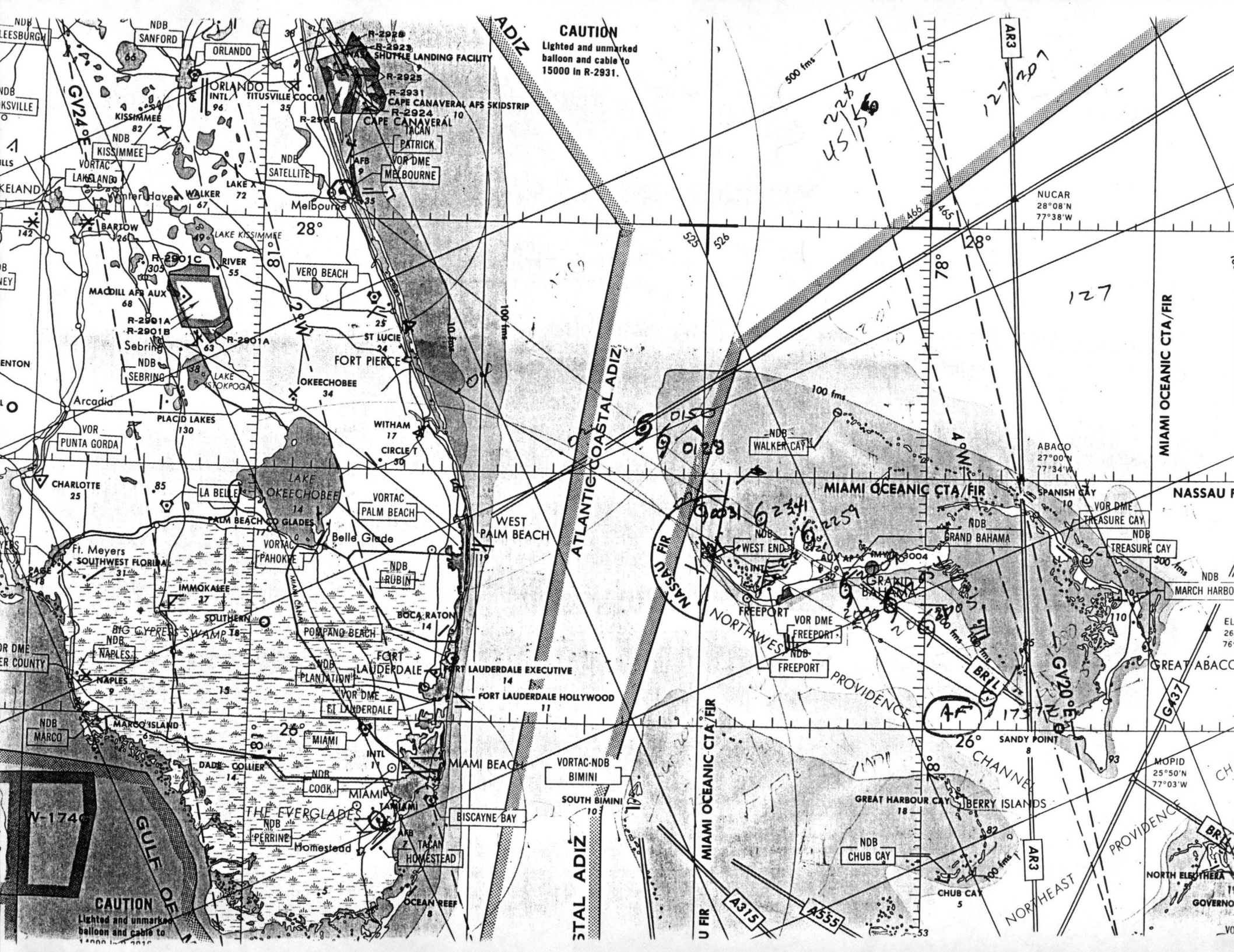
1007.0 PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

1007.8 Fly OK LA, Rotating Fig 4 on Erin until within range land

1007.6 radars. TD 1 High at Linhout.

1007.5X 0015 - Sean says 1 hr of MINABS didn't go out - he will send now

2012Z 26°30'N, 78°01'W	012805Z 27°08'N, 79°11'W
2054Z 26°31'N, 78°09'W	0150Z 27°11'N, 79°16'W
2209Z 26°33'N, 78°21'W	8 penetrations
2259Z 26°42'N, 78°32'W	
2341Z 26°50'N, 78°43'W	
0031Z 26°52'N, 79°01'W	



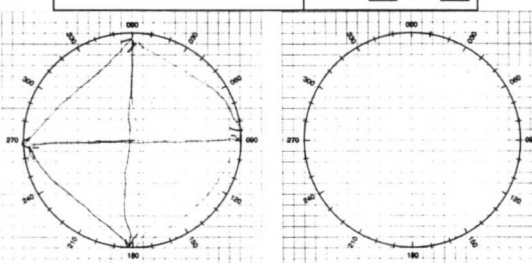
8950801I H. Erin Landfall Experiment 41010 22.9 78.5
41009 28.5 80.2
3/5/11

Time	LAT	LONG	TR	DD	DB	PA	GA	TA	TD	SP	PS	
1859	2750.7	8224.5				6		23.7	17.2		1012.5	FLR
1913.5	2747	8217	126	63	31	1734	1729	17.4	21.5	1007.0	808.2	
1923.5	2732	8141	110	38	33.2	440	462K					
1927	2727	8125	110	37	31	4622	4832	0.1	-2.5	1006.5	568.0	
1944.30	2700	8083	110	54	23.3	0.3	+0.4	4615	4824	004.8	568.6	
2004.2	2620	7834	90	9	49	3078	3143	10.6	10.2			
2012.00	2630	7801	90	90	17	3070	3007					5 ch - 5 mi. N
2017.5	2621	7787	40	47.5	1.5	3058	3050	1.1	13.0	999.7	695.0	
2022.4	2631	7707	40	100	100							
2032	2659	7734	34	134	63.2	3072	3119	8.2	7.2	999.8	694.8	
2041.5	2723	7810	180	88	61.2	3067	3136	8.8	5.8	1001.4	695.0	Warp in S
2048.30	2656	7810	180	95	64	3054	3042	10.4	8.3	989.7	695.5	
2054	2638	7809.0										
2105	2546	7810	180	253	43	3049	3114	10.0	7.9	969		
2139.5	2710	7850	270	274	49	3048	3103	8.9	7.0	999.5	696.9	OW of
2147	2642	7900	181	28	58	3048	3080	9.9	8.6	995.3	696.8	Our W End
2204.5	2631	7816	45	213	22	3048	3007	14.2	10.6	991.6	697.1	5 25 300
2206.30	2707	7744	271	134	65	3059	3109	8.3	5.7	1000.7	695.5	
2235.30	2707	7909	307	Flying reciprocal (Fm air eye toward MCB)								
2246.5	2756	7916.7	128	50	41	3065	3127	9.1	7.8	999.9	696.3	FLYING MCB RAD
2252.45	2645.8	7822.1						15	11	980		
2307	2625.5	7801.0	127	197	53	3062	3110	10.3	8.7	996.2	696.0	
2322.5	2724	7754	230	130	65	3062	3129	8.9	6.2	1000.9	695.5	4 FM DE
2340.50	2650	7843				3045		16.2	12.3	980		
0003.20	2533	7930	97	300	21	3065	3156	9.2	6.7	1003.9	695.6	FLYING 095 MIA RAD
0013.45	2541	7850	0	263	32	3062	3147	10.4	7.2	1000.9	695	
0030.46	2652	7901										bad fix - Center in hub off to W
0053	2756	8020	Turn near 35 mi rad MCB, WARD TO LAKE WORTH									
0105	2714.6	8002	178	26	47	3049	3121	10.7	7.6	1000.3	696.7	
0112.35	2635	8001	LAKE WORTH (E-MIA) - TURN NE TO STORM									
0128.05	2708	7911.1				3052		15.1	10.7		980	
0150	2711	7916									982	
0203	RUCG (M) OUT											
0211.5	2712.6	8022.4	206	205	47	3138	3209	9.9	7.0	998.5	688.7	to look CHICA
0224.45	2610.5	8055.4	206	355	15	3138	3240	9.5	6.4	1003.0	688.7	

CLEARANCES			
FREQ	ALT	HGD	OTHER

MISSION LOG

PAGE ____ OF ____



POSITION REPORT

1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE VHF/VOICE MF/VOICE HF/VOICE MF/VOICE
243.0 121.5 2182 KHZ 8384 KHZ 500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA, NOAA, NOAA

- POSITION _____ N/S
- HEADING _____ TRUE/MAG
- AT _____ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD
- NATURE OF EMERGENCY _____
- ASSISTANCE DESIRED _____
- PILOT INTENTIONS _____
- WE HAVE _____ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR	TH	DR	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1555																					ENG START
1559																					TAXI
1908	GPS FM 1																				TAKE OFF
1934		2714.9	2715.4	-0.5	2715.0	-0.4			102	61	100	260	013	28	15K	257	BRIC				PORT
1955		2644.4	2644.8	-0.4	2644.9	-0.5			105	42	109	265	359	21	15K	256					
2011	SPOT	2630.4	2630.6	-0.2	2631.1	-0.7			103	152	058	233	175	66	10K	239	EAST RUN				5 SMILES SOUTH
2039		2722.6	2722.0	-0.6	2722.0	-0.6			168	122	180	229	093	50	10K	236	SOUTH RUN				
2054	SPOT	2631.2	2632.4	-1.2	2631.2	-1.2	712/4 KING 311/12		186	62	150	261	280	30	10K	250	SOUTH RUN				5 MILES
2107		2538.6	2539.8	-1.2	2538.1	-1.5			043	22	045	280	236	38	10K	240	NORTH EAST RUN				
2107		2710.2	2700.7	-9.5	2710.5	-0.3															HEADING 1010
2107		2530.1	2536.2	-6.1	2534.6	-1.6			173	512	151	268	049	444	10K	256	WEST RUN				TAXI
2147		2641.3	2640.9	-0.4	2641.8	-0.5															MOT WEST
2205		2630.0	2631.2	-1.2	2630.2	-1.2			049	52	044	268	189	37	10K	236					END 0405
2242		2723.9	2724.7	-0.8	2724.6	-0.7			118	92	127	239	049	43	10K	248					TRACKING 300/11
2255		2645.8	2646.2	-0.4	2646.2	-0.4			131	42	127	252	221	20	10K	248					TRACKING 314/14
2326		2726.1	2726.5	-0.4	2726.4	-0.3			218	122	230	249	135	50	10K	246					
2340	SPOT	2641.4	2640.6	-0.8	2640.2	-1.2			239	106	229	238	313	40	10K	243					N 2633 W 7543
2405		2533.2	2534.6	-1.4	2534.4	-1.2			005	12	094	267	256	21	10K	245					

[illegible]

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
AIRCRAFT OPERATIONS CENTER