

19790831HI - FDIR

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RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N43RF	
FLIGHT LOG		FLIGHT NO. 96-79	
		FLIGHT ID 790831I	
		DATE 790831	
TAKE OFF (City or airport) KMIA	LAND (City or airport) KMIA	ALTITUDE 51kft and 10kft	
PURPOSE Fix and Research, Hurricane David			
PROPOSED TAKEOFF TIME: 1700 Z		PROPOSED FLIGHT DURATION:	
TIME IN: 0716		TIME ON: 0707	
TIME OUT: 2136		TIME OFF: 2151	
BLK. TIME: 0925		FLIGHT TIME: 0916	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
Moble		Rosby	Nunn
Turner		Darby	
Picci		McCrory	
Berger		Goldstein	
		Sheets	Hall
		Wintel	McLornick
		Hicks	Wiles
		Wilcox	McLaughlin
PROPOSED MISSION Radar fix of storm position		Pendergast	
ACTUAL MISSION AND REMARKS Inferred storm position by estimating center of circulation from curvature of wind.			
DATA COLLECTED AND REMARKS			

[illegible]

FLIGHT 96-79
AIRCRAFT N43RF
DATE 790831
DAY # 243

TOTAL REELS	
VTR	0
DMTR 1	3
DMTR 2	4

[illegible][illegible]

RFC-2 WORK FORM (7-76)						U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA						FLIGHT ID 790831I	
						FLIGHT DIRECTOR'S INFLIGHT DATA LOG						DATE 790831	
		TIME		PRESSURE		TEMPERATURE		DEW POINT		WIND			
A/C	T/O												
WX	STN.												
A/C	LAND												
WX	STN.												
HOURLY INFLIGHT DIGITAL DATA STATUS													
ITEM \ HOUR	2230	2330	0030	0130		0230			0630				
TIME	↑	↑	↑	↑		↑			↑				
POSITION	↑	↑	↑	↑		↑			↑				
GROUND SPEED	↑	↑	↑	↑		↑			↑				
TRUE AIR SPEED	↑	↑	↑	↑		↑			↑				
PRESSURE	↑	↑	↑	↑		↑			↑				
PITCH													
ROLL													
HEADING	↑	↑	↑	↑		↑			↑				
RADAR ALT.	↑	↑	↑	↑		↑			↑				
ATTACK ANGLE													
SIDESLIP ANGLE	↑	↑	↑	↑		↑			↑				
TEMPERATURE	↑	↑	↑	↑		↑			↑				
DEW POINT	↑	↑	↑	↑		↑			↑				
J. W. LIQUID WATER													
I. R. SIDE													
I. R. DOWN													
REMARKS:													

[illegible]

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
Turner		Bergner		N43RF		9679		2150:40		KMIA N 25-48.3 W 76-17.6		21 Aug 79		"David"	
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION		LAT LON COR'S	INS POSITION		LAT LON COR'S	REMARKS						
2136	N 25-48.3 W 76-17.6		N 25-48.3 W 76-17.6			N 25-48.3 W 76-17.6			ENG TAXI						
2150									TAXI						
2159	N 25-43 W 79-42		N 25-43.4 W 79-45.0		-0.4 -3.0	N 25-43.7 W 79-45.9		-0.7 -2.9	EPRV 2710T/29.5						
2248	N 23-30.0 W 76-38.5		N 23-29.6 W 76-38.6		+0.4 -0.1	N 23-29.9 W 76-38.3		+0.1 +0.2	345-4160 343-3500						
2351			N 19-28.6 W 73-12.7			N 19-28.9 W 73-12.0									
0119	N 17-51.8 W 68-17.5		N 17-51.7 W 68-18.6		+0.1 -1.1	N 17-52.0 W 68-17.9		-0.2 -0.4	MHZ 2500T/70						
0215	N 20-08.5 W 71-21.0		N 20-08.2 W 71-26.9		-0.3 -5.9	N 20-08.1 W 71-26.3		-0.1 -5.9	GT 187.50T/80						
0238	N 20-17.5 W 72-41.8		N 20-16.2 W 72-43.2		+1.3 -1.4	N 20-16.2 W 72-42.6		+1.3 -0.8	GT 2320T/113						
0424	N 20-08.0 W 71-10.8		N 20-08.3 W 71-11.2		-0.3 -1.2	N 20-08.5 W 71-11.2		-0.5 -1.2	ZIN 0000T/77.5 342-1740						
0526									Live Area / FL240						
0535	N 20-57.6 W 73-40.7		N 20-57.0 W 73-41.4		+0.6 -0.7	N 20-56.9 W 73-40.5		+0.7 +0.2	O/H ZIN						
0707									Land KMIA						
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS						
				ELAPSE ALIGN POST TIME					LAT	LONG	GS				
INS 1	2020	34	52		5	2038	0717	10457	+0.4	-0.1	3				
INS 2 or IMU	2020	34	52		5	2038	0717	10457	+0.4	-0.3	1				
ALIGN REMARKS: Both 52 Aided															
OTHER REMARKS:															
TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL (10) OMEGA - INERTIAL															

30 77
20 20
10 57