

1981097221-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 NO. 	
				FLIGHT ID 091281I	
				DATE 02 SEPT 81	
FLIGHT LOG					
TAKE OFF (City or airport) KMIA		LAND (City or airport) KMIA		ALTITUDE 5000'	
PURPOSE: Long term monitoring Hurricane GERT 09Z & 12Z FIX					
PROPOSED TAKEOFF TIME: 0600Z			PROPOSED FLIGHT DURATION: 10 hrs		
TIME IN: 1522Z			TIME ON: 1512		
TIME OUT: 0545Z			TIME OFF: 0559		
BLK. TIME:			FLIGHT TIME:		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
Werley		McFADDEN		BLACK, P.	TOMCHAY
Noble		Du Grant		BLACK, B.	BOYETTE
CICIRELLI		DARBY		SOUKUP	Merceret
Cox		STONE		HOLLAND	
PROPOSED MISSION MIA → 19K, SAWTOOTH TAS → GERT DESC 40 SK BUTTERFLY & 4 09Z & 12Z FIX					
ACTUAL MISSION AND REMARKS					
		ZIGZAGS ① 070645 - 07845 ② 071015 - 071415 233/7 ③ 071540 - 071740			
		① 133140 - 133340 ② 133455 - 133855 ③ 134010 - 134210			
Fix: 9Z & 12Z Enter from S, to SW for 9Z Fly butterfly: end in ctr. for 12Z fix. desc. to 1000' & depart toward W. intercepting 60-70 kt wind field: turn S for laser run					
DATA COLLECTED AND REMARKS 2 RADAR 3 C.P.					

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
Werley		Cox		43		1215Z				MIA → GERT → MIA		810912		Huron Gert	
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION		LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS							
0548	N 25-48.3 W 080-17.6		N 25-48.3 W 080-17.6			N 25-48.3 W 080-17.6		Ramp 038							
055823			25-48.1 080-17.1			25-48.1 080-17.2		Take off. 270 TL 100 PZBV							
								32-25 N 0500Z 068-35W fix.							
0708			INE Correlation Came Back to 020!!		Status	086 not good!		Using INE #1 INE #1 & 2 within 1nm of each other							
0900	Gert	1	N 32-49.2 W 067-49.5			N 32-48.8 W 067-50.		Using Syst #1							
		2	N 34-00.0 W 067-05.0					32-55.0 N 067-49.6W							
		3	N 34-00.0 W 068-40.0												
		4	N 33-03.0 W 067-40.0					050/12 Kts ?							
095400	Gert	1	N 33-07.1 N 067-39.4 W			33-07.2 N 067-40.0 W		040/14 Kts.							
		2	N 32-02.0 W 066-50.0												
		3	N 33-19.5 W 065-55.5												
		4	N 33-19.5 W 067-28.0												
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	0532	✓	✓		5	0542	15.22	7440	-0.7	+2.0	1				
INS 2 or IMU	✓	✓	✓		5	✓	✓		-1.4	+0.3	2				
ALIGN REMARKS:															
OTHER REMARKS: Used Syst 1.															
TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL (10) OMEGA - INERTIAL															

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
1050	Q Cert.	1	N 33-14.5 W 067-21.4		N 33-14.8 W 067-22.7		050 / 15 KTS
		2	N 33-14.5 W 068-55.0				
		3	N 32-18.0 W 067-52.0				
		4	N 33-26.0 W 067-07.5				
1142	Q Cert		N 33-19.3 W 067-12.7		33-19.6 067-13.5		055 / 12 KTS.
							Visual
		<u>TK</u>	<u>Cal</u>				
	230 TR	275	1331402 133340-				
	TL 90°	185	1334552 1338553				→ ↑ 24.0
	TR 90°	275	1340102 1342103				ETA MIA 1515
							11:50 AM to 1:00 PM
151142							Land
	N 25-48.3 W 080-17.6		N 25-49.0 W 080-15.6	-0.7 +2.0	N 25-49.7 W 080-17.3	-1.4 +0.3	Ramp