

19810911H1-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 N42RF	
		FLIGHT NO. 43-81	
		FLIGHT ID 091181H	
		DATE 17 SEPT 81	
TAKE OFF (City or airport) KMIA		LAND (City or airport) KMIA	
		ALTITUDE 5,000'	
PURPOSE LONG TERM MONITORING HURRICANE GERT			
PROPOSED TAKEOFF TIME: 0430Z		PROPOSED FLIGHT DURATION: 10	
TIME IN: 1415Z		TIME ON: 1410	
TIME OUT: 0425Z		TIME OFF: 0435Z	
BLK. TIME: 9:50 HRS		FLIGHT TIME: 9:35 HRS	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
WERLEY SCHISSEL		McFADDEN	
NOBLE		DARBY	
CORRELL		DUGRANUT	
COX		STONE	
		VISITORS	
		P. BLACK MERRILL	
		B. BLACK BARNES	
		G. HOLLAND JIN	
		AL FARR	
PROPOSED MISSION T.O. → 28N 73'W CTR w/ PATTERN START AT POINT ④ → 2 → 5 → 6 → 2 → 7 → 1 → 3 → 4 RPT. FIG 4 if possible			
ACTUAL MISSION AND REMARKS 2 patterns at 5000' plus 3 → 4* → 2 TAS OUTBOUND 0529-0531 0533-0535 053630-053830 INBOUND 124030-124230 124345-124745 1249 - 1251			
DATA COLLECTED AND REMARKS 1 STD FLT LVL TAPE 10 RADAR 5 CLD PHYS.			

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
Werley		Cox/Schissel		#42		Gert				MIA → GERT → MIA		810911		Gert Long term Man	
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION		LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS							
0424	N25-48.2 W080-17.6		25-48.7 080-17.4		+0.1 +0.2	✓ 080-17.5	+0.1 +0.1	Ramp 043							
043452			INE#2			#1		T.O.							
0610	GERT	#5	N 27-26.3 W 073-09.4			Center		TAS 5.0 240.							
		#6	28-37.0 072-24.0					↓ 5.0 80nm out. Enroute Cal after Enter.							
		#7	28-37.0 173-52.0					PRI 8962 6645							
0710	GERT	#5	N 27-41.7 W 072-59.0			27-43.9 073-01.6		Using							
		#6	N 26-21.0 W 072-14.0					INE							
		#7	N 27-40.7 W 071-30.0		#8	N 27-50.0 W 072-52.0									
0810	GERT	#5	N 27-53.0 W 072-53.9			N 27-57.0 W 072-56.0									
	142	#6	N 27-53.0 W 074-21.5					#2							
		#7	N 26-56.9 W 073-32.5		#8	N 28-06.0 W 072-50.0									
0909	GERT	S	N 28-10.4 W 072-35.4												
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	Δ T (2)(1)	TERMINAL ERRORS						
									LAT	LONG	GS				
INS 1	✓	✓	✓	✓	1	0352	1414	10+22	+7.4	-4.9	9				
INS 2 or IMU	✓	✓	✓	✓	0	✓	✓	✓	-1.5	+0.7	3				
ALIGN REMARKS:															
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															

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION #	LAT LON COR'S	TWE #/ POSITION	LAT LON COR'S	REMARKS
		#6	N 28-50.0 N 28-50.0		N 29-18.0 W 071-53.0		
		#7	N 29-34.2 W 073-14.0	#8	N 28-26.0 W 072-28.0		
1005	Q GERT	#5	N 28-23.5 W 072-29.2		28-30.5 072-31.9		
		#6	N 27-16.0 W 071-44.5				
		#7	N 28-40.0 W 070-50.5	#8	N 28-40.0 W 072-20.0		
1100	Q Gert	#5	N 28-36.5 W 072-14.5		N 28-43.3 W 072-17.0		
		#6	N 28-36.5 W 073-45.0				
		#7	N 27-30.0 W 071-55.0	#8	N 28-30.0 W 071-55.0		1+45 to Mia.
1202	Q Gert		28-49.8 072-07.3		28-55.2 072-11.2		
140843			#1		#2		Land
	N 25-48.2 W 080-17.6		N 25-55.6 W 080-22.5	-7.4 -4.9	N 25-49.7 W 080-16.9	-1.5 +0.7	Ramp
	8-CK45 116.04	220	↑ 24.0				
			25.0 -5.		1 min 2		
	1205 +22		20.0		1235 -0.0		ETA MIA
	+10 1237				1314		1405 land
			#1 9L Ar Land 9L				
			1210Z				