

19810816H1-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 N45 RF	
FLIGHT LOG		FLIGHT NO. 38-81	
		FLIGHT ID 810816H	
		DATE AUG 16, 81	
TAKE OFF (City or airport) MIA	LAND (City or airport) MIA	ALTITUDE 1500'	
PURPOSE NHC - RECON T S. DENNIS			
PROPOSED TAKEOFF TIME: 0300Z		PROPOSED FLIGHT DURATION: 10 HRS	
TIME IN: 0845Z		TIME ON: 0845Z	
TIME OUT: 0255Z		TIME OFF: 0304Z	
BLK. TIME: 9:50 HRS		FLIGHT TIME: 9:36 HRS	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
WEIRLEY	NUNN	DAVIS	LORD
GUUNOE		DEDIYO	FEINBERG
ADAMS		DUGRANKUT	SMITH
ROSE		BERLES	HOLLOND
REARDON BERLES BARKER MARKS			
PROPOSED MISSION PROVIDE 0000Z, 0300Z, 0600Z, 0800Z FIXES			
ACTUAL MISSION AND REMARKS AS PLANNED 5 0344Z 24061N 81024W SLP 998 5 0059Z 25063N 81020W SLP 999 5 0559Z 25017N 81016W SLP 999 5 0723Z 25030N 81017W SLP 999 5 0808Z 25032N 81016W SLP 998 MAX WIND 50 KTS			
DATA COLLECTED AND REMARKS 2 STD FLT LVL TAPES, 5 PMS TAPES, 14 RADAR TAPES			

810816H

TIME	TK	LA	LO	PA	DV	TA	TD	WD	WS	SP			
2255	OUT MIA			ALT	29.74								
230420	OFF MIA												
2319	217	25 20	80 62	669	-63	22	21	150	15	001			
2332	295	24 71	81 20	537	-88	24	22	220	08	999			
2337	188	24 85	81 46	526	-103	24	22	250	06	999			
2341	259	24 76	81 37	530	-95	25	23	250	07	999			
2342	260	24 86	81 37	531	-102	24	23	120	05	998			
2344	248	24 96	81 28	531	-98	25	23	090	09	999			
		5	24° 51' N	81° 24' W									
	TA	25	TD	22	ST	28							
2351	255	25 04	81 46	530	-67	23	22	075	16	001			
2359	170	25 74	81 54	527	-65	23	21	095	12	002			
0003	167	25 50	81 47	526	-66	23	22	085	12	002			
0011	251	25 04	81 42	521	-93	24	24	090	06	999			
0016	090	24 92	81 41	523	-102	25	23	195	06	998			
		5	24° 55' N	81° 26' W									
0023	091	24 93	80 98	523	-78	24	23	198	14	001			
0034	090	24 94	80 26	525	-55	23	22	160	19	002			
0045	269	25 01	79 74	487	-48	24	22	160	10	004			
0054	270	25 02	80 35	485	-60	23	23	170	18	003			
0102	270	25 02	80 86	508	-72	24	22	173	14	001			
0110	270	25 02	80 39	545	-92	24	22	090	08	999			
0115	270	25 01	81 78	545	-74	23	23	030	10	001			
0130	090	24 85	82 06	506	-60	24	22	010	08	003			
0144	360	24 91	81 42					265	08	999			
0145	328	25 00	81 42	535	-93	25	23	360	02	999			
0209	174	25 97	81 97	507	-50	23	21	080	11	004			
0227	180	24 99	81 39	520	-89	25	21	360	04	999			
		TA	23	TA	25	TD	23	ST					
0242	187	24 16	81 40	527	-45	25	21	230	09	004			
0259	T	24 05	81 33	538	-88	25	24	290	01	999			
		5	25° 03' N	81° 20' W									
0336	270	25 12	79 75	527	-37	23	22	175	21	005			
0352	270	24 99	81 31	525	-83	25	23	270	05	000			
0414	093	25 07	82 27	526	-50	23	22	010	10	004			
0428	T	25 08	82 30	516	-81	25	23	290	02	000			
				-89						999			
0452	064	25 88	81 91	523	-58	23	22	060	11	003			
0506	T	25 16	81 34	524	-83	25	23	360	06	000			
0525	272	24 05	81 41	523	-46	24	21	241	11	004			
		24 80						245	14				
0559	T	25 28	81 26	530	-89	25	24	C	0	999			
		5	25° 17' N	81° 16' W									
0615	091	25 02	80 50					184	27				
0638	188	25 49	79 59	522	-41	24	22	163	17	005			
0649	267	25 03	79 74	520	-41	24	22	173	18	005			
0723	T	25 53	81 27	522	-98	24	23	086	03	999			
		25 50	81 30					360	01				
0808		25 64	81 28	520	-104	24	23	060	04	998			
		5	25° 38' N	81° 16' W									

TIME	TK	LA	LO	PA	D	TA	TD	WD	WS	SP			
0814	125	25 74	81 48	520-23	23	23	060	11	000				
0817		62	25	521-94			360	04	999				
ALT 2972													
08437	00	MIA											
0845	10	MIR											

5262 1214

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION KMIA N25-48.3 W080-17.6	DATE 16 AUG 1981	PROJ. NAME "DENNIS" 6
WERLEY	ADAMS	N42	810816				

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
225613	N25-48.3 W080-17.6		25-48.3 080-18.0	0 -4	25-48.3 080-17.9	0 -3	Block out
2305	25-48.1 080-17.1		25-48.0 080-17.6	+1 -5	25-48.1 080-17.6	0 -5	T.OFF
2329	24-42.7 81-05.7		24-41.7 81-06.7	+1.0 -1.0	24-42.9 81-06.1	-2 -4	MOT MTH
233550			24-53.4 81-25.8				5?
235830			25-45.4 81-30.7				
0016			24-54.3 81-				TK 090
002708			24-56.4 80-40.8		24-55.1 80-39.4		X Keys at Islamorada
004400			25-00.1 79-41.8		24-59.0 79-40.5		East end of line heading back west.
005647			25-01.7 80-33.5		25-00.8 80-31.9		X Keys
012500							Extend 60 more miles to the west past center position
							5
0145			25-00.7 81-25.4		24-57.6 81-21.5		25N 81-24W 5

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.	ΔT (2)(1)	TERMINAL ERRORS		
									LAT	LONG	GS
INS 1	2206	✓	✓	—	5	2236	0850	10.1	-7.2	-4.6	1
INS 2 or IMU	2206	✓	✓	—	5	2236	0850	10.1	+9	+7	0

ALIGN REMARKS:

8.6

OTHER REMARKS:

1.4

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
020533	26-0		26-03.6 82-03.7		26-00.7 81-59.9		
022748			24-59.2 81-23.6		24-56.4 81-20.8		5
024413			24-09.6 81-19.2		24-06.2 81-15.8		
025348	24-49 81-18.2		24-46.1 81-19.7		24-42.1 81-15.6		X Pine Key
025908			25-05.5 81-20.0		25-01.2 81-15.7		
0310	N 25-01 W 080-31.5		25-06.1 80-36.8		25-01.1 80-32.4		MTH ADF 235 EYW DME Update to N 25-01 W 080-31.5
032425			25-04.9 79-41.8		24-59.7 79-38.0		
032747	25-02.2 79-44.4		25-07.6 79-51.4	-5.4 -7.0	25-02.5 79-47.8	-.3 -3.4	BS4 330/44/329
042043	25-07.806.5 81-46.0		25-12.1 81-53.4	-5.6 -7.4	25-04.7 81-47.7	+1.8 -1.7	Radon 270/37.5
042830			25-13.4 81-22.5		25-05.7 81-16.7		6
044238	25-44.5 81-47.0		25-52.5 81-53.5		25-44.3 81-47.9	+1.2 -.9	Fmy 355/51
05	24-35.1 81-48.0	4/1	24-40.8 81-53.2	-5.7 -6.2	24-33.1 81-47.8	+2.0 +1.2	MOT EYW GOOD Position
075119	24-39.2 81-16.0	2.4/1	24-46.1 81-21.9		24-38.4 81-16.5	+1.1 -.5	EYW DME 28.8 VISUAL MOT Pinky Bridge
084159	25-48.1 080-17.3		25-54.8 080-22.2	-6.7 -5.0	25-46.7 080-17.0	+1.4 +.3	LAND Kmin
0849	25-48.3 080-17.6		25-55.5 080-22.2	-7.2 -4.6	25-47.4 080-16.9	+1.9 +.7	Block IN
	N 24-21.5 W 81				24		↓
			HST ChM 25-29.1 80-23.9				0745