

19810907H1-FPIR

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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. 41-81	
				FLIGHT ID 810907H	
				DATE SEP. 7, 81	
FLIGHT LOG					
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA		ALTITUDE	
PURPOSE NHRL-RESEARCH, HURRICANE FLOYD					
PROPOSED TAKEOFF TIME: 0945Z			PROPOSED FLIGHT DURATION: 10HRS		
TIME IN: 1955			TIME ON: 1949Z		
TIME OUT: 0950Z			TIME OFF: 1005Z		
BLK. TIME: 10:05HRS			FLIGHT TIME: 9:44HRS		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
WERLEY	ADAMS	DAVIS		JORGENSEN	
NOBLE	NUNN	DEVIVO		MARKS	
CORRELL		BERLES		BLACK	
ROSE		CONNOR		LORD	
PROPOSED MISSION 43 HAS RECD RESPONSIBILITY HURRICANE RAINBAND EXPERIMENT					
ACTUAL MISSION AND REMARKS AT SK 1-2-3-4-5-2-4 RAINBANK NORTH OF CENTER 4 PENETRATIONS SLP 970MB HI WINDS 100°/50M/S					
USE INE 1, TOFF 1					
DATA COLLECTED AND REMARKS 2 STD FLT LVL TAPE; 11 RADAR TAPES; F, L, R, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z					

810907H

TIME	TK	LA	LO	RA	PA	D	TA	TD	WD	WS		
0950	OUT	MIA	A2T	29.96								
100440	OFF	MIA										
1100	056	0605	7570	5485	500	273	-5	-11	214	06		
1131	077	0751	7309	5481	500	282	-4	-33	232	08		
1143	EGW	DESCENT	70	5K								
1151	090	0801	7146	1514	1434	78	18	9	310	03		
1200	091	0830	7080	1512	1458	82	19	11	025	06		
		20 DIA	OPEN S									
1210	090	0819	7003	1500	1430	71	17	15	357	15		
1220	076	0803	6937	1516	1467	46	17	14	350	24	010	
1229	070	0829	6868	1499	1562	-68	18	17	323	27	993	
1232		0856	6854	1506	1685	-177	21	17	180	34		
1234		50	62	1516	1487		21	17	220	01		
1237		080330	68033'W									
	MAX WND	340/40	977MB	TA26	TD14							
		17A/50										
1245	092	0855	6779	1513	1481	33	17	16	170	29	009	
1250	317	0860	6738	1508	1451	54	17	17	165	55	511	
1310	179	0861	6856	1505	1445	60	17	16	090	22	011	
1316	180	0865	6849	1506	1705	-128			180	02	974	
	N 100/150M/S		975MB	250	140				57	26.2		
	< 200/40											
1326		08039'N	69030'W									
1343	360	0761	6853	1505	1439	67	17	16	282	17		
1401	360	0770	6844						270	02	975	
1402	360	0776	6844						180	02		
		23045'N	68026'W									
	50	300/50										
1409	EGW	ASCENT	70	1.0K								
1412	EGW	ASCENT	70	8.5K								
1419	130	0957	6883	1511	160	-28	24	22	070	15		
1425	210	0943	6843	1361	161	-32	23	22				
1429	EGW	ASCENT	70	5K								
1434	180	0969	6841	599	590	+	22	22	080	19		
1440	180	0956	6830	1512	1466	45	16	11	055	58		
1457	360	0959	6834	1517	1476	48	16	14	054	59		
1543	180	0978	6825	5245	5245	94	12	9	080	20		
1549	359	0925	6836	5244	5234	106	12	07	070	18		
1555	181	0981	6822	1510	1456	51	17	13	658	25		
1612	181	0968	6813	611	617	-71	22	22	080	26		
		LV - 081	?									
1625	180	0995	6809	1516	167	-17	24	24	060	25		
1646	180	0943	6810	590	583	7	21	21	085	19		
1711	180	0919	6815									
1711			290	11'N	68009'							
	WIND CAL		2700	1745	30	-47	30					
			1800	1748	40	-52	40					
			2700	1754	00	-56	00					
194917	AN	MIA										

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION KMIA N25-48.3	DATE 9 Sept 1981	PROJ. NAME FLOYD OUTER-RAIN
Wexley	Adams	N42	81 0907	10 05			

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
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095307	N25-48.3 W080-17.6		25-47.4 080-16.8	+9 +8	25-47.4 080-16.8	+9 +8	Block out
100445	25-48.1 080-17.3		25-47.6 080-16.5	+5 +8	25-47.5 080-16.5	+6 +8	TOFF
101826	25-42 79-16		25-42.1 79-16.7	-1 -7	25-41.8 79-16.5	+2 -5	MOT ZBV
1143	28-11		28-11.2 72-11.3		28-11.1 72-11.2		→ 5000'
123251			28-35.5 37 68-33.6 37		28-35.6 68-33.5		§1
131020			29-39.5 68-31.8		29-39.8 68-31.1		Nend - TR TK180
132619	28-39 68-20		28-39.1 68-29.9		28-39.6 68-28.8		§2
140053	28-45 68-25		28-43.1 68-26.5		28-43.2 68-24.9		§3
162243			30-03.1 68-07.0		30-02.9 68-04.8		
1710			29-13.3 68-04.7		29-13.1 68-02.4		§4
192755	25-32 79-15.5		25-38.5 79-18.7	-6.5 -3.2	25-38.2 79-13.9	-6.2 +1.6	180/10.8 ZBV
194033	25-40.3 80-10.7		25-43.6 80-14.8	-3.3 -4.1	25-43.2 80-09.9	-3.9 +1.8	BSY MOT ~ approximate

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	0900	✓	✓	—	0	0935	1954	10.3	-1.7	-4.0	3
INS 2 or HNU	0900	✓	✓	—	0	0935	1954	10.3	-1.1	+1.8	0

ALIGN REMARKS: T:1100 PI #'S → 280

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

[illegible]