

19770824HI.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. 28-77	
				FLIGHT ID 770824H	
				DATE AUG 24, 77	
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA		ALTITUDE 18, 10, 1.5K	
PURPOSE NWS/NHEML - RECCO/RESEARCH					
PROPOSED TAKEOFF TIME: 1430Z		PROPOSED FLIGHT DURATION: 10HRS			
TIME IN: 2045Z		TIME ON: 223840Z			
TIME OUT: 1420Z		TIME OFF: 143403Z			
BLK. TIME: 8:25HRS		FLIGHT TIME: 8:05HRS			
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TURNER	ROSE	DAVIS	LOLDIN	BURDIE	LOPEZ
SEADIN	GERLICH	MCFADDEN	FREEDMAN	CUNNING	
NOBLE	BERGNER	BROWN	CONNOR	JORGENSEN	
CORRELL		FENNELL	DUGANHAUT	ELDER	
PROPOSED MISSION					
PATTERN TO BE EXECUTED AT 18K, 10K, 1.5K					
ACTUAL MISSION AND REMARKS					
CENTER LOCATED AT 180N 820W BY BURDIE CHANGED TO 18N 83W DURING 10K PATTERN 1.5K PATTERN NOT COMPLETED - DIRECTED TO RETURN TO MIA BY EMMANUEL					
DATA COLLECTED AND REMARKS					
1 STANDARD DIGITAL TAPE					

TIME	HOG	LA	LO	RA	PA	DV	TA	TN	WD	WS				
1532	187	2166	8111	5846	5522	314	-6.1	168	121	12	3173			
1545	179	2053	8122	5838	5529	306	-6.4	-9.5	099	08	3168			
1600	185	1919	8140	5826	5529	296	-5.8	-7.5	124	09	3150			
1625	CENTER TO DEAT					18°N	82W	GO TO POINT B →						
	D → C		AT 18K		THIS WILL COMPLETE HI LVL PTRN									
1630	183	1655	8147	5817	5529	290	-6.0	-6.9	220	08	3144			
1646	188	1579	8155	5823	5529	294	-6.3	-10.6	210	11	3158			
1705	TN	1625	8196	5816	5531	384	-5.2	-7.0	195	10	3128			
1708	START PATTERN CENTERED AT 18°N 82W													
1712	223	1635	8205	5800	5514	285	-5.1	-7.2	210	06	3137	PT 1	BGN	
1720	315	1681	8250	5803	5514	285	-5.1	-6.8	270	02	3123			
1725	316	1709	8279	5800	5515	286	-4.6	-7.6	360	02	3130			
1735	318	1768	8340	5805	5517	287	-4.8	-7.0	030	05	3136	PT 2		
1742	103	1805	8362	5804	5515	286	-5.4	-6.8	640	03	3140			
1750	092	1798	8299	5804	5517	287	-5.2	-6.8	120	04	3134			
1800	089	1798	8214	5801	5514	285	-5.1	-7.7	115	09	3133			
1810	091	1799	8129	5804	5517	287	-4.5	-7.8	131	11	3120			
1820	095	1797	8047	5803	5515	287	-5.9	-7.2	175	16	3125	END 18K PTRN		
	BEGIN 10K PTRN													
1830	264	1796	8026	3200	3059	3169	8.5	1.1	140	14	1012	PT 1	BGN	
1840	265	1796	8120	3209	3059	3160	7.4	4.8	140	14	1013			
1850	267	1798	8200	3209	3060	3159	7.2	6.5	135	14	1012			
1900	269	1798	8278	3202	3058	3153	8.8	2.9	103	10	1010			
1910	269	1798	8357	3200	3057	3153	9.5	4.6	085	08	1009			
1920	066	1822	8353	3202	3059	3153	9.4	4.0	112	08	1009			
	PATTERN CENTER CHANGED TO 18°N 82W													
1930	050	1861	8309	3206	3060	3156	8.2	4.6	112	12	1011			
1940	177	1809	8303	3200	3060	3150	8.6	3.9	120	07	1010			
1950	177	1750	8382	3199	3061	3147	8.0	7.6	127	12	1012			
2000	179	1671	8300	3202	3058	3145	8.1	7.8	190	09	1009			
2007	182	1634	8300	3189	3053	3148	8.9	6.1	205	06	1009	END 10K PTRN		
	BEGIN 1.5K PTRN													
2013	005	1631	8300	458	458	1010	24.1	22.2	118	11				
2020	006	1678	8300	456	452	1011	23.8	21.7	090	15				
2030	007	1746	8359	459	454	1011	23.5	20.6	109	11				
2040	001	1811	8301	464	459	1012	23.8	20.8	104	12				
2043	DIRECTED TO RETURN TO MIN.													
223840	ON													
	REF 10 15.6													

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Turner		Bergner		N42RF	770824	1434:05	KMIA N25-48.3 W80-17.6	24 Aug 77	Storm Recon
TIME OF ENTRY	POSITION	TYPE	CONF. FACT.	INERTIAL POSITION	± 1 Free	LAT. LON. COR'N	$\pm 2/\Omega$ POSITION	LAT. LON. COR'N	REMARKS
1414 1420	N 25-48.3 W 80-17.6			N 25-48.3 W 80-17.6			N 25-48.7 W 80-17.3		Eng Taxi
1433				N 25-48.0 W 80-18.1			N 25-48.5 W 80-17.8		TOFF
1447	N 25-06.0 W 80-22.9			N 25-06.6 W 80-22.4	+0.6 +0.5		N 25-07.8 W 80-21.7	-1.8 +1.2	3L1 996 ELE 3L5 1864
1535	N 21-24.0 W 81-10.0			N 21-22.5 W 81-10.2	-1.5 -0.2		N 21-24.1 W 81-09.9	-0.1 +0.1	3H0 1129 3L5 2790
1610				N 18-18.0 W 81-27.1			N 18-19.5 W 81-26.8		W/V 139/7
1648	N 15-00.0 W 81-35.5			N 14-56.2 W 81-35.3			N 14-58.0 W 81-32.9		OLIVER → N16-20.0 W82-00.0
1708							N 16-20.0 W 82-00.0		Begin Pattern FL 180
1739	N 18-02.0 W 83-43.5			N 18-00.7 W 83-45.1	+1.3 -2.4		N 18-02.0 W 83-43.7	0.0 -0.2	3H1 2815 3H0 1385
1838	N 18-01.0 W 81-02.0			N 17-58.1 W 80-01.1	+2.9 +0.9		N 18-00.1 W 81-01.9	+0.9 +0.1	3H1 3093 → 10.0 3H0 1182
2009				N 16-13.8 W 82-59.7			N 16-16.0 W 83-00.3		→ 1500' 2053 Lv Work Area
2113	N 19-17.0 W 81-23.0			N 19-16.1 W 81-23.3	+0.9 -0.3		N 19-17.2 W 81-22.1	-0.2 +0.9	O/H Grand Cayman W/V 0620/18
2124	N 20-09.5 W 81-11.8			N 20-08.0 W 81-13.7	+1.5 -2.1		N 20-09.2 W 81-13.8	+0.3 -2.0	3L3 3045 3H0 1159
2241				N 25-48.4 W 80-18.7			N 25-47.4 W 80-17.6		LAND
2245	N 25-48.3 W 80-17.6			N 25-48.8 W 80-18.1	-0.5 -0.5		N 25-47.8 W 80-17.8	+0.5 -0.2	checks 95
									INE #1 = 2.2 3 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
CONFIDENCE FACTOR (Nautical Miles): (1-5, 1) (6-10, 2) (11-15, 3) (16-UP, 4)

INE #1 1 KMIA 4 Grand Cayman
2 Key West 5
3 Havana