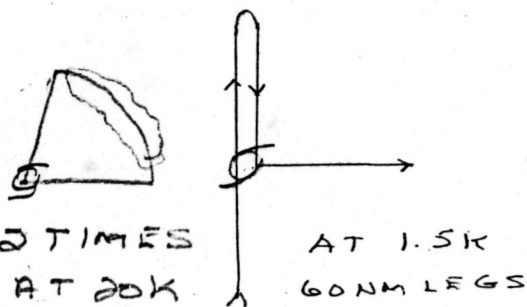


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RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N42RF	
FLIGHT LOG		FLIGHT NO. _____	
		FLIGHT ID 771005H2	
		DATE OCT. 5, 77	
TAKE OFF (City or airport) GDL	LAND (City or airport) GDL	ALTITUDE 20K, 24K	
PURPOSE RESEARCH - NHEML-HG - HEATHER			
PROPOSED TAKEOFF TIME: _____		PROPOSED FLIGHT DURATION: 6-7HRS	
TIME IN: 0215Z		TIME ON: 0211Z	
TIME OUT: 1925Z		TIME OFF: 1935Z	
BLK. TIME: 6:45HRS		FLIGHT TIME: 6:36HRS	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
TURNER	ROSE	DAVIS	CONNOR
NOBLE	NUNN	BROWN	FENNEL
GENZLINGER	BERGNER	DUGAN	WUT KEMPTON
CORNELL		BROWN	SPANN
PROPOSED MISSION ATTACHED			
ACTUAL MISSION AND REMARKS FIXES 2143Z 2057N 11448W } 2216Z 2104N 11450W } 20K 2229Z 2105N 11452W } 2304Z 2110N 11501W 2338Z 2113N 11506W LSLP 981MB MAX WND 75KTS			
DATA COLLECTED AND REMARKS 1 STD DIG TAPE			



771005 HZ

TIME	HDG	LA	LO	RA	RD	TA	TD	WD	WS					
192525	OFF	MIN	6L											
2032	274	2100	0800	6488	6138	350	-8.4	-19.9	150	12	1007			
2040	271	2165	0900	6480	6137	345	-8.8	-11.3	146	17				
2052	268	2111	1014	6468	6136	333	-7.9	-9.8	157	23				
2100	257	2112	1057	6444	6128	321	-7.1	-8.8	160	21				
2107	258	2105	1133	6440	6131	304	-6.9	-8.1	187	21				
2110	258	2102	1150	6432	6130	303	-6.9	-8.5	188	24				
2120	257	2052	1241	6413	6126	287	-5.6	-9.7	170	22				
2125	277	2051	1308	6408	6131	277	-6.2	-10.2	175	22				
2130	286	2055	1334	6398	6132	253	-6.2	-6.7	182	25				
2135	279	2100	1400	6363	6131	231	-5.8	-7.0	170	27				
2140	270	2100	1426	6320	6126	190	-5.5	-9.8	174	34				
2142	271	2100	1441			168	-3.7	-4.4	159	10		2143Z		
2143		2100	1449			178	-2.7	-5.7	080	05				
2145		2054	1455			174	-2.5	-5.7	316	06		2057 114° 48' W		
2154		2057	1440	6305	6137	173	-4.4	-4.7	167	18		BGN PTN		
2157		2057	1424				-5.8		189	24				
2202	091	2057	1402	6369	6135	240	-6.1	-7.7	190	26				
2202		2123	1409	6376	6133	237	-5.7	-7.0	153	26				
2209	246	2124	1450	6327	6130	196	-4.0	-9.7	106	18				
2214		2109	1451			167	-2.4	-6.0	084	08		2216Z		
2216		2102	1449			168	-3.3		208	03		2104 114° 50' W		
2217		2058	1447			180	-3.5		242	06		2229Z		
2225		2115	1450	6345	6123	181	-3.1	-5.7	105	17		2105 114° 50' W		
2235	BGN DESCENT TO 1.5K													
	B6N 1.5K PTN													
2247	350	2050	1458	498	610	-111	22	21	254	21	397			
2250	358	2012	1459	476	603	-127	22	21	252	23	395			
2255	360	2030	1459	494	652	-159	23	21	246	23	391			
2300	359	2051	1500	478	678	-202	23	22	243	23	385			
2303	359	2104	1500	475	710	-235	23	21	230	06	382		2304Z	
2305	360	2110	1500	486	720	-240	23	22	170	06	382		2110N 115° 01' W	
2306		2114	1459	485	726	-229	23	22	130	09	385			
2311	360	2135	1500	521	693	-171	22	21	101	34	390			
2320	360	2210	1500	557	667	-97	21	20	103	20	398			
2325	180	2159	1505	543	670	-120	22	21	096	25	394			
2330	180	2141	1504	509	673	-116	22	21	192	25	390			
2335	180	2124	1505	471	697	-227	23	22	102	12	383		2338Z	
2338		2112	1505				23	22	180	08	382		2113N 115° 06' W	
2352	040	2111	1413	540	660	-122	22	21	159	33	396			
2354	END 1.5K PTN													
001047	ON MIN G. L													

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.	TIME AIRBORNE		LOCATION	DATE	PROJ. NAME
Turner		Bergner		N42RF	771005	1935:37		M MGL N 20-30.9 W 103-18.6	05 Oct. 77	"Heather"
TIME OF ENTRY	POSITION	TYPE	CONF. FACT.	INERTIAL #1 POSITION	LAT. LON. COR'N	#2/Ω POSITION	LAT. LON. COR'N	REMARKS		
1920	N 20-30.9			N 20-30.9	0.0	N 20-30.9	0.0	ENG		
1937	W 103-18.6			W 103-19.2	-0.6	W 103-18.6	0.0	TAXI		
1934				N 20-30.2 W 103-18.5		N 20-30.3 W 103-18.4		TOFF		
2004	N 20-41.1 W 105-15.5			N 20-38.9 W 105-18.3		N 20-39.4 W 105-16.9		O/H PVR		
2057						N 21-14.0 W 110-46.0		M MZT No Loran Recept.		
2143						N 21-00.7 W 114-44.3		Radar Eye Heather		
2241						N 20-13.1 W 114-55.4		L 1500'		
2248						N 20-00.0 W 115-00.0		Begin Pattern		
2325						N 22-00.3 W 115-05.2		Con't Pattern		
2355						N 21-10.0 W 114-01.0		Term Pattern → FL 250 → FIR		
0137	N 20-41.1 W 105-15.5			N 20-35.4 W 105-15.1	+5.7 +0.4	N 20 42.0 W 105-15.0	-0.9 +0.5	O/H PVR		
0211				"		N 20-31.7 W 103-17.8		LAND M MGL		
02	N 20-31.6 W 103-18.6			N 20-27.9 W 103-18.4	+3.7 +0.2	N 20-32.7 W 103-17.5	-1.1 +1.1	Chocks GS 4 2		

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)

6 M MGL
 7 PVR
 8 M MZT