

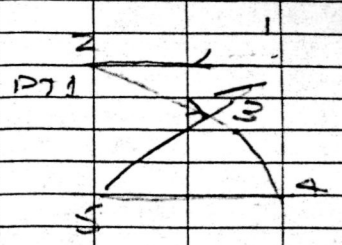
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RFC-1 WORK FORM (7-76)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N42RF	
				FLIGHT NO. 36-77	
				FLIGHT ID 922H 770922H	
				DATE SEP 22, 77	
TAKE OFF (City or airport) SJW			LAND (City or airport) SJW		ALTITUDE 1.5K, 10K
PURPOSE NH EML-14G-RESEARCH					
PROPOSED TAKEOFF TIME: 1600Z			PROPOSED FLIGHT DURATION: 10 HRS		
TIME IN: 0035Z			TIME ON: 0028Z		
TIME OUT: 1605Z			TIME OFF: 1612Z		
BLK. TIME: 8:30 HRS			FLIGHT TIME: 8:16 HRS		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
GUNNOE	FREEDMAN	DAVIS	KEMPTON	WILLOUGHBY	MALLINER
SALADIN		BROWN			LEWIS
GERISH		CANNOR			BLACK
RICCI		FINNELL			CUNNING
PROPOSED MISSION AT 1.5K FM 1730N 66W TK WEST TO CROSS W/V AXIS TO 16.5N 68W TO 15.5N 67W THEN WEST TO CROSS WAVE AXIS TO 16.5N 68W TO 17.5N 67W					
ACTUAL MISSION AND REMARKS					
DATA COLLECTED AND REMARKS NO 10K PATTERN (NO TIME) - PATTERN 3 COMPLETED AT 1.5K ONLY					

770922H

TIME	TK	LA	LO	RA	PA	D	TA	TD	WD	WS	SP				
1612	OFF	SSW													
1630	274	1729	6610	450	414	38	22	21	098	11	1015				
1640	266	1729	6656	442	405	32	23	20	088	11	1015	PT 1			
1650	270	1731	6742	442	407	35	24	19	090	11	1015				
1700	269	1730	6825	434	406	27	24	21	106	09	1014				
1710	270	1731	6913	434	408	28	24	22	095	09	1014				
1708		1730	6945						090	12	1013				
1720	267	1730	6956	428	404	23	24	22	085	12	1013				
1730	268	1728	7043	427	404	23	24	22	070	10	1013				
1734	270	1730	7100						070	09		PT 2			
1742	107	1717	7038	424	405	18	24	22	075	10	1013				
1750	107	1709	7007	424	405	18	25	21	085	09	1013				
1755	106	1709	6948						085	09	1013				
1800	105	1659	6939	421	405	14	25	22	100	09	1012				
1810	110	1646	6852	422	406	16	24	21	109	11	1012				
1820	105	1634	6844	424	405	17	23	21	120	10	1013	PT 3			
1830	138	1612	6742	424	405	17	23	21	112	09	1013				
1840	133	1545	6715	430	408	22	22	21	128	04	1014				
1845												PT 4			
1850	271	1529	6719	417	404	14	22	20	095	04	1012				
1900	271	1531	6802	415	404	10	24	23	695	08	1012				
1910	270	1530	6850	405	400	3	25	22	160	02	1011				
1921	271	1530	6938	401	398	3	25	22	150	03	1011				
1930	271	1531	7015	399	401	-1	25	21	150	02	1011				
1934	270	1531	7033						090	02					
1940	263	1530	7052	399	398	0	25	23	080	02	1011	PT 5			
PT 1 CHANGED TO 1730N 6720W															
1950	056	1549	7025	400	400	0	25	21	178	04	1011				
2000	061	1611	6948	403	401	2	24	22	150	04	1011				
2010	056	1632	6912	400	394	6	24	21	136	09	1012				
2020	060	1651	6832	409	397	11	24	22	122	10	1012				
2030	059	1710	6865	412	398	11	24	21	115	00	1012				
2040	059	1729	6732	413	398	13	23	21	100	09	1013	PT 1			
10K BUTTERFLY ABORTED BY VM															
WILL DO CLOUD BOX CENTERED AT 1640N 6930W															
IP FOR DIAGONAL 1640 6902 HDN6 WEST TO 1640 6955															
2120	860	Box	PTN												
2230	END	Box	PTN												
2240	268	1704	7084	413	396	15	24	22	105	09	1012				
2250	271	1702	7047	411	396	15	25	21	090	12	1012				
2300	263	1701	7130	411	395	14	25	23	080	10	1012				
2307	267	1700	7200	412	397	14	25	23	071	10	1013				
002806	ON	SSW													



17 7.0 L 5.0 L 6.0 L 3.0 L 1.6

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.	TIME AIRBORNE		LOCATION	DATE	PROJ. NAME
Gunnoe		Gerish		N42R	770922	16 11		SAN Juan P.R.	22 Sept. 77	Recon
TIME OF ENTRY	POSITION	TYPE	CONF. FACT.	I ONLY INERTIAL POSITION INE #1	LAT. LON. COR'N	INE #2 POSITION 21	LAT. LON. COR'N	REMARKS		
1603	18 26 66 00			18 26.0 66 00.0	0 0	18 26.1 66 00.8	-0.1 -0.4	Block Out		
1611	18 26 66 00			18 26.1 66 00.1	-0.1 -0.1	18 26.4 66 00.4	-0.4 -0.4	Take Off		
2236				1700 69 40				End Patterns Proceeding Wgs		
2307				1700 7200				End Track Return to SDU		
0628	18 26 66 00			18 26.9 66 00.6	-0.9 -0.6	18 28.0 65 58.6	-2.0 +1.4	LAND		
0036	18 26 66 00			18 27.4 66 00.3	-1.4 -0.3	18 28.0 65 58.5	-2.0 +1.5	Block IN GS, 2 Residual GS, 1		
								#2 INE 2 Aided		
								The entire Flight		
								#1 INE Unaided		

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)