

19770823H1-FDIR

1

RFC-1 WORK FORM (7-76)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N402F	
				FLIGHT NO. 27-77	
				FLIGHT ID 770823H	
				DATE AUG 23, 77	
FLIGHT LOG					
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA		ALTITUDE 24,16,10,4,1.5K	
PURPOSE RFC-CALIB - SOUNDING					
PROPOSED TAKEOFF TIME: 1115Z		PROPOSED FLIGHT DURATION: 6 HRS			
TIME IN: 1940Z		TIME ON: 183333Z			
TIME OUT: 1115Z		TIME OFF: 110636Z			
BLK. TIME: 7:25 HRS		FLIGHT TIME:			
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TURNER	ROSE	DAVIS		ELDER	KNIGHT
NOBLE	BERGNER	DARBY		WIRFEL	CUNNING
GERISH		CONNOR			STEWART
CORRELL		FENNELL			WILLIS
PROPOSED MISSION PATTERN ORIENTED WITH AND NORMAL TO WIND AT 170, 210, 250 KTS AT 24, 16, 10, 4, 1.5K					
ACTUAL MISSION AND REMARKS AS PLANNED EXCEPT ROSEMOUNT INADVERTENTLY SWITCH TO CALIB FOR 1/2 OF 24K 240KT PATTERN AND ALL OF 170KT RUN AT 10K NO 170KT PATTERN (210KT PATTERN DUPLICATION)					
DATA COLLECTED AND REMARKS 1 STANDARD DIG. TAPE					

770823H SOUNDING FLIGHT

TIME	FAS	PS
125310-5400	240	390.80
130130-0650	"	391.03
123550-4100	210	391.08
124310-4810	"	391.23
130950-1440	170	391.29
131650-2150	"	391.31
141100-1600	240	547.87
141830-2330	"	548.04
135610-0100	210	548.42
140320-0820	"	548.51
142600-3040	170	548.36
143300-3800	"	548.27
144730-5230	240	697.21
151850-2350	"	696.49
153150-3700	210	697.48
154240-4740	"	697.40
155120-5630	"	697.41
155830-0350	"	697.36
161130-1640	240	876.43
161910-2410	"	876.60
162650-3130	210	877.11
163330-3940	"	877.01
164530-5300	170	876.61
165200-5630	"	876.61
170400-0840	240	959.32
171050-1530	"	959.59
171730-2210	210	960.80
172410-2900	"	960.45
173520-4000	170	960.49
174200-4630	"	960.59

CAF Mia #4 TAXI 27R R-015854
 Gnd: 1258 Sgk 4665 Twr 118.3

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
TURNER		BERGNER		N42RF	770823	1121:15	KMIA N 25-48.3 W 80-17.6	23 Aug 77	Stairstep Calibration METRO AREA
TIME OF ENTRY	POSITION	TYPE	CONF. FACT.	#1/2 INERTIAL POSITION	LAT. LON. COR'N	INE #2 POSITION	LAT. LON. COR'N	REMARKS	
1111	N 25-48.3			N 25-48.7	-0.4	N 25-48.2	+0.1	ENG	
1116	W 80-17.6			W 80-17.0	+0.6	W 80-17.4	+0.2	TAXI	
1121				N 25-47.9		N 25-48.6		TOFF	
				W 80-16.1		W 80-15.7			
1144	N 26-58.0			N 26-58.1	-0.1	N 26-57.2	+0.8	341 1087	
	W 80-28.5			W 80-28.3	+0.2	W 80-28.8	-0.3	345 1030	
1420	N 28-22.2			N 28-21.3	+0.9	N 28-22.2	0.0	341 2000	
	W 79-51.0			W 79-51.7	-0.7	W 79-51.9	-0.9	345 1297	
1523	N 28-31.5			N 28-32.2	-0.7	N 28-28.9	+2.6	341 2121	
	W 79-35.0			W 79-35.9	-0.9	W 79-35.6	-0.6	345 1402	
1748								LV. Working Gnd. ETA KMIA 1835	
1833				N 25-49.4		N 25-42.9		LAND	
				W 80-16.4		W 80-21.0			
1837	N 25-48.3			N 25-49.6	-1.3	N 25-43.2	+5.1	Chocks	
	W 80-17.6			W 80-16.0	+1.6	W 80-21.0	-3.4	INE #1/2 #2 INE GST 1 5	

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)

1 KMIA
 2 WIA
 3 WIA

