

19810729 H1-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 N422F	
FLIGHT LOG				FLIGHT NO. 33-81	
				FLIGHT ID 8107094	
				DATE JUL 29, 81	
				ALTITUDE 150' TO 12K	
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA			
PURPOSE NHRL-RESEARCH-SEA BREEZE					
PROPOSED TAKEOFF TIME: 1715Z			PROPOSED FLIGHT DURATION: 10 HRS		
TIME IN: 2155Z			TIME ON: 2148Z		
TIME OUT: 1200Z			TIME OFF: 1200Z		
BLK. TIME: 9:35 HRS			FLIGHT TIME: 9:18 HRS		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TURNER	ROSE	DAVIS	STONE		
MANDELKERN		DARBY			
COX		SEGLER			MARKS
CORRELL		CONNOR			PHILIP
PROPOSED MISSION SEE ATTACHED					
ACTUAL MISSION AND REMARKS AS PLANNED					
DATA COLLECTED AND REMARKS 1 STD FLT LVL TAPE; 2 FACT TAPES; 1 PMS TAPE; 11 RADAR TAPES; F, LS, RS - FILM USE INE2 TAO RS NG					

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Time

[illegible]

170130	DEU 4.5K PROFILE	120/03	} PROFILE # 1
170330	END R.L.N		
170000	DEU 4.5K PROFILE	090/05	
171000	END 6.5K		
171630	DEU 9.5K PROFILE	110/03	
171900	END 7.5K		
172300	DEU 11.5K PROFILE	070/06	}
172600	END		

173100	BGD W/E	11K	Run				
1740	END Run						
							WOUNDING

175230	BGN E/W RUN AT 1K							#7
180131	CST LN							
180615	END RUN							

181400	BGN	150'	PROFILE	} PROFILE #5
181550	END	RUN		
182200	BGN	500'	PROFILE	
182205	END			
182700	BGN	1K	PROFILE	
182850	END	RUN		
183240	BGN	2K'	PROFILE	
183430	END	RUN		
183900	BGN	4K	PROFILE	
184100	END	RUN		
184605	BGN	6.5K	PROFILE	
184700	END			

185500	BLU	W/E	1K	RUN
190800	END	RUN		

191300	BLEN	E/W	OWN	AT	2.5k					#8
192044	CST	LN								
192725	FWD	DUN								

193445	BGN	4.5K	PROFILE	}	PROFILE FILE
193645	END	RUN			
194120	BGN	6.5K	PROFILE		
194245	END	RUN			
194840	BGN	9.5K	PROFILE		
195040	END	RUN			
195400	BGN	11.5	PROFILE		
195645	END				

200330	BEN	W/F	6K	RUN
201330	END	RUN		

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TIME												
201730	BGN	E/W	0.5K	DUN								
202717	EST	LN										
203145	END	RUN										
203300 - 203430			N	340/04								
203610 - 203740			S	210/02								
203840 - 204010			E	240/02								
204200 - 204330			E	210/02								
205125	BGN	4.5K	PROFILE									
205305	END	RUN										
205650	BGN	6.5K	PROFILE									
205945	END	RUN										
210350	BGN	9.5K	PROFILE									
210550	END	RUN										
210920	BGN	11.5K	PROFILE									
211155	END	RUN										
211800	BGN	W/E	11K	RUN								
212700	END	RUN										
212700	BGN	SOUNDING										
213200	END	SOUNDING										
214800	ON	LINE										
2155	IN	NIA										

1 - PM5 TAPE

2 - FAST TAPE

11 - RADAR TAPES

1 - STANDARD TAPE

F, LS, RS - FILM

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
Turner		Cox		42				122934		MIA		810729		Seabreeze	
TIME OF ENTRY	POSITION		TYPE	INERTIAL POSITION		LAT LON COR'S		POSITION		LAT LON COR'S		REMARKS			
	N 25-48.2 W 080-17.6			N 25-47.9 W 080-17.4		+0.3 +0.2		N 25-48.0 W 080-17.6		+0.2 0		Ramp INS 047			
122934												T.O			
1313												Using INE #1			
												FME 065/24			
												035/29.5			
1348				Plotted on Chart.				INE #1 looks Better.				FMY 000/15			
1454	N 26-12.2 W 081-50.0			26-12.2 081-55.2				26-12.5 081-52.5				356/23 INS #2 looks Better.			
1503	N 26-27.0 W 082-05.2			26-25.2 082-07.4				26-25.7 082-04.6				240/14 #2 looks Better			
1506												Switch Steering to #2			
1520	26-15.2 081-28.0			N 26-14.9 W 081-31.4				26-15.6 081-28.9				312.5 / 29.5 #2 Better			
1545	26-10.5 082-10.8			26-12.9 082-18.0				26-13.9 082-15.5				035/30 FMY ?			
1620												INS Status 028			
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	Δ T (2)(1)	TERMINAL ERRORS						
									LAT	LONG	G S				
INS 1	111200	✓	✓	###	1	1147	21 55		-2.2	-4.7	4				
INS 2 or IMU	✓	✓	✓	###	3	✓	9+08	9+08	-2.0	-0.1	1				
ALIGN REMARKS :															
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															

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
	26-14.8 081-36.0		26-15.0 081-38.2		26-15.3 081-36.4		325/25.4 #2 looks better
			26-15.5 ETA 174030				026 Status
1953	26-15.0 081-14.0		N 26-14.7 081-17.5		26-14.9 081-15.2		#2 Better 300/39.9
1914	26-14.4 081-18.4		26-14.4 081-18.4		26-14.4 081-18.4		302/39.8
1916	26-14.0 081-19.0		26-14.5 081-22.1		26-14.8 081-19.7		305/36.7
2007	26-14.5 081-36.2		26-15.1 081-41.2		26-15.6 081-37.4		326/25.3
							INS STATUS 034 2019 on!!
2029							038
2046	Running		Unaided NGFC				INS status 041
2100							Status 045
2104	N 26-12.2 W 081-47.2		26-13.4 081-52.9		26-14.2 081-49.3		350/23.3
							Switch to Sys 1
	Note INS's started drifting off rapidly after 2029Z						
2148 01							Land
							INS 065 Status
							067
	N 25-48.2 W 080-17.6		N 25-50.4 W 080-22.3	-2.2 -4.7	N 25-50.2 W 080-17.7	-2.0 -0.1	Ramp
			4		1		2019 on since 2020