

RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N436P		
FLIGHT LOG		FLIGHT NO. 51-20		
		FLIGHT ID 800805J		
		DATE AUG. 8, 57		
TAKE OFF (City or airport) MIA	LAND (City or airport)	ALTITUDE SK		
PURPOSE NHD. RESEARCH - HURRICANE 2221				
PROPOSED TAKEOFF TIME: 1600Z		PROPOSED FLIGHT DURATION: 9 1/2		
TIME IN: 0110Z		TIME ON: 0104Z		
TIME OUT: 1615Z		TIME OFF: 1622Z		
BLK. TIME: 8:55 HRS		FLIGHT TIME: 8:42 HRS		
FLIGHT PERSONNEL				
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS
CIGARELLI	DAYE	BERLES	WILLOUGHBY	
MOBLE	BROWN		ZIPSER	
BERGWER	HEBERT	GOLDSTEIN	HAWKINS	
BIGGI		STONE	MARKS	
PROPOSED MISSION				
		RECCO HALF HOURLY 212,00Z FIXES		
FLY 5-2-4-2-1-2-3-2-5-2-4... ETC AT SK				
ACTUAL MISSION AND REMARKS AS PLANNED 8 PENETRATIONS 212,00Z FIXES WITH 15 RECCO FIXES HIGHEST WIND 145 KTS LOWEST SLP 913MB				
DATA COLLECTED AND REMARKS 1 SLOW FLT LVL TAPE; 9 RADAR TAPES; 4 FACT W/T LVL TAPES; 5 PMS TAPES; 7, 45, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1050, 1100, 1150, 1200, 1250, 1300, 1350, 1400, 1450, 1500, 1550, 1600, 1650, 1700, 1750, 1800, 1850, 1900, 1950, 2000, 2050, 2100, 2150, 2200, 2250, 2300, 2350, 2400, 2450, 2500, 2550, 2600, 2650, 2700, 2750, 2800, 2850, 2900, 2950, 3000, 3050, 3100, 3150, 3200, 3250, 3300, 3350, 3400, 3450, 3500, 3550, 3600, 3650, 3700, 3750, 3800, 3850, 3900, 3950, 4000, 4050, 4100, 4150, 4200, 4250, 4300, 4350, 4400, 4450, 4500, 4550, 4600, 4650, 4700, 4750, 4800, 4850, 4900, 4950, 5000, 5050, 5100, 5150, 5200, 5250, 5300, 5350, 5400, 5450, 5500, 5550, 5600, 5650, 5700, 5750, 5800, 5850, 5900, 5950, 6000, 6050, 6100, 6150, 6200, 6250, 6300, 6350, 6400, 6450, 6500, 6550, 6600, 6650, 6700, 6750, 6800, 6850, 6900, 6950, 7000, 7050, 7100, 7150, 7200, 7250, 7300, 7350, 7400, 7450, 7500, 7550, 7600, 7650, 7700, 7750, 7800, 7850, 7900, 7950, 8000, 8050, 8100, 8150, 8200, 8250, 8300, 8350, 8400, 8450, 8500, 8550, 8600, 8650, 8700, 8750, 8800, 8850, 8900, 8950, 9000, 9050, 9100, 9150, 9200, 9250, 9300, 9350, 9400, 9450, 9500, 9550, 9600, 9650, 9700, 9750, 9800, 9850, 9900, 9950, 10000				

A/C MANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION KM19	DATE	PROJ NAME
Turner	Edinger	43		16 22:13	N 25-48.3 W 80-17.6	Aug 80	"Allen"

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	INE#2/a/d POSITION	LAT LON COR'S	REMARKS
1608	N 25-48.3		N 25-48.3		N 25-48.3		Eng
1613	W 80-17.6		W 80-17.6		W 80-17.6		Tot
1621							Tot
1639	N 25-33.5 W 81-04.3		N 25-33.5 W 81-04.3	-1.0 -0.3	N 25-33.4 W 81-04.3	-0.9 -0.3	BSY 260°T/49
1651	N 25-50.0 W 82-01.5		N 25-50.8 W 82-01.5	-0.8 -1.5	N 25-50.6 W 82-01.3	-0.6 -1.3	BSY 276°T/100
1733			N 25-51.3 W 86-06.6		N 25-51.0 W 86-06.6		
1859			N 24-06.9 W 92-04.9		N 24-07.4 W 92-03.0		eye "Allen" 5000'
1925	N 24-07 W 92-02						eye "Allen"
2000			N 24-10.7 W 92-17.3		N 24-11.9 W 92-15.7		eye "Allen"
2034			N 24-15.7 W 92-23.0		N 24-16.4 W 92-21.8		eye "Allen"
2118			N 24-14.5 W 92-34.3		N 24-15.9 W 92-32.3		eye "Allen" ? Question
2202			N 24-19.5 W 92-43.3		N 24-19.7 W 92-42.1		eye "Allen"
2234			N 24-19.2 W 92-46.1		N 24-20.2 W 92-44.6		eye "Allen"

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.	ΔT (2)(1)	TERMINAL ERRORS		
									LAT	LONG	GS
INS 1	1531	31	R/D	—	1	1606	0412	9406	+0.3	φ	3
INS 2 or IMU	1531	31	R/D	—	0	1606	0112	9406	+0.5	+1.1	0

ALIGN REMARKS: SR 56 6.8E detected

OTHER REMARKS: DOP MEM intermittently

TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN
 (6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL
 (10) OMEGA - INERTIAL

Aug 1780

AC 43RF
FL# 800808I1
Operator Marks

Radax Tape Usage

Tape	Time on	Time off
D1T1	172430	182530
D2T1	182636	191616
D1T2	191616	201600
D2T2	201840	204900
D1T3	204912	215212
D2T3	215212	220425
D1T4	221045	230606
D2T4	230606	234226
D1T5	234227	004200

tape broke in penetrator