

19790827I-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 N43RF	
		FLIGHT NO. 	
		FLIGHT ID 790827I	
		DATE AUG 27 1979	
TAKE OFF (City or airport) MZA		LAND (City or airport) MZA	
PURPOSE CYCLONE		ALTITUDE 	
PROPOSED TAKEOFF TIME: 1400Z		PROPOSED FLIGHT DURATION: 10 HR	
TIME IN: 01 10Z		TIME ON: 0105Z	
TIME OUT: 1445Z		TIME OFF: 1455Z	
BLK. TIME:		FLIGHT TIME:	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
WERLEY		DARBY	CALVERT
NOBLE		GOLDSTEIN	BLACK
BERGNER		LAMBERT	WIRFEL
CICIRELLI		MERCURY	HAWKINS
			FLORINO
PROPOSED MISSION 150 NMZ SW BROWNSVILLE			
ACTUAL MISSION AND REMARKS			
DATA COLLECTED AND REMARKS AVI & AVS MALF			

TIME	LAT	LONG	T	Td	WD	WS	RA	PA	D	SL	400mSS			
1535	25.9	83.3	M	-9.2	278		5815	M						
1545	26.0	84.5	00	-10	270	15KT	5810	18900	152					
1635	25.6	89.1	26	13	090	17KT	1600	1780		1014				
1700	25.3	90.8	26	12	110	15	1580	1670			28.1			
1730	24.8	92.8	25.8	10.1	088	8B	415	447		1013	26.5			
1800	24.2	93.2	23.7	13.8	153	20K	458	439		1017				
1835	24.1	96.3	23.5	18.1	150	27K	406	400		1011				
1830	24.8	95.9	27.9	13.2	135	36K	1155	1151		1011	28.9			
1900	26.8	97.0	23.9	13.1	100	30K	470	452		1012	27.0			
1930	26.1	95.6	23.1	13.4	140	20K	463	450		1012	27.0			
2000	24.7	98.0	23.8	16.5	150	30K	442	451		1009				
2021	02L		25.55N		97.14W									
2035	26.5	97.1	24.1	21.1	100	25K	469	462		1011	27.2			
2100	27.5	96.3	23.6	18.7	135	12K	480	465		1012	27.3			
2131	26.9	96.0	23.2	20.7	120	12K	450	443		1011				
2200	26.2	96.2	23.7	20.5	140	28K	445	443		1010	27.2			
2230	26.0	94.1	24.2	18.9	160	12K	454	441		1011	27.8			
2300	25.9	91.9	214.0	-15.2	150	12K	7441	7063		7570				
2330	25.7	89.2	-14.2	-17.6	088	6K	7440	7061		7572				

RFC-3 WORK FORM
(7-76)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
RESEARCH FACILITIES CENTER
MIAMI, FLORIDA

PHOTO - OPTICAL STATION

FLIGHT ID

790827Z

DATE

AUG 27 1979

INSTRUCTIONS: Make all entries in pencil. At Flight Termination give completed form to the Flight Director.
Mark all film cans with Flight ID, Type, and Number. All Times GMT (Z).

CAMERA	ON	OFF	ON	OFF	RATE	FILM USED (FT.)
FOREWARD	1649	1655	1730			
RIGHT SIDE	1649	1655	1730			
LEFT SIDE	1649	1655	1730			
VERTICAL	1649	1655	1730			

ELAPSED TIME COUNTERS

DIGITAL	COUNTER	DIGITAL	COUNTER	DIGITAL	COUNTER

REMARKS:

cameras ran until out of film

[illegible]

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
	Bogert	N42RF	2214	1454:25	N25-47.3 W80-17.5	27 Aug 71	Cyobone

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	INERTIAL POSITION	LAT LON COR'S	REMARKS
1454	N25-47.3 W80-17.5		N25-48.4 W80-17.5	-0.1 +0.3	N25-48.5 W80-17.5	-0.2 +0.3	ENG TRAXI
1454							To 4
1512	N25-46.0 W81-30.0		N25-46.1 W81-29.7	-0.4 +0.1	N25-46.3 W81-29.6	-0.3 +0.4	INS 20775
1525			N26-01.9 W84-32.1		N25-59.4 W84-31.8		#1 INS free *
1621	N25-48 W88-09		N25-48.7 W88-06.9	-0.7 +2.1	N25-45.8 W88-05.9	+0.2 +3.1	3H1 2210 3H2 2610
1730	N24-42.0 W92-53		N24-42.4 W92-59.2	-1.4 -6.2	N24-46.6 W92-58.3	-4.6 -5.3	3H2 2080 3H3 2130
1822			N25-51.9 W97-02.5		N25-52.7 W97-01.4		
1955			N25-01.8 W96-31.7		N24-58.3 W96-41.2		
2050	N27-16.5 W97-08.5		N27-27.8 W97-07.7	6.3 -0.2	N27-17.3 W97-12.0	-0.8 -1.5	CPR 157°/41.5
2200	N26-08 W96-11		N26-16.1 W96-09.0	-8.1 +2.0	N26-11.5 W96-09.2	-3.5 +1.7	3H2 - 3620 3H3 - 1520
							2242 F7 FL 230
2304	N25-55 W96-30		N25-55.4 W91-28.1	-0.4 +1.9	N25-53.5 W91-29.2	+1.5 +0.8	3H2 - 2250 3H3 - 2670

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	1328	72	Ω		3	1452	0111	11:09	-0.8	+5.4	9
INS 2 or IMU	1323	82	Ω		0	1422	0111	11:09	-1.0	+0.8	3

ALIGN REMARKS: Both Ω aided

OTHER REMARKS: NCS con F225 on climbout & decreased slowly to 50% on FINS

TYPE OF FIX: (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN

1522: Warn (6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL

300100 1000100 (10) OMEGA - INERTIAL

2 sig light on last 6 hrs of flt.

*153: Warn #1 INS decoupled

Signal strength very weak except

