

19851027H1 - FDIR

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 851027H1	FM: MIA	TO: MIA
FLT NO:	BLK IN: 1035	ATA: 1030
ETD: 0100Z	BLK OUT: 0049	ATD: 0058
ETE:	BLK TIME: 9:46	FLT TIME: 9:32
SPONSOR ORG: NHC	PROGRAM: RECCO	PURPOSE: T.S. JUAN

OAO PERSONNEL

AC: Tuckner	SYS ENG: Jarvi
CP: Gonzalez	DATA SYS: Gonzalez / Marchett
NAV: Secretan	RADAR:
FE: Moore	BT/ODW:
RADIO: Dunn	CLD PHYS:
FD: Parrish	DOPPLER:

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Willoughby, J.	P.I.	HIZID
Collier, B.	Radior	HIZID

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

Get 03, 06, 09Z Fixes in T.S. Juan. 1500', MD 0211.
 straight 4 pattern, 105 mi legs.
 Radar 20, 50 min post. ASDL 5, 35.
 Fix 24°58'N, 91°55'W 994 mb 205/31 KT 0330Z
 Fix 25°08'N, 92°23'W 991 mb 065/47 KT 0506Z
 Fix 25°21'N, 92°13'W 990 mb 330/48 KT 0642Z
 Fix 25°19'N, 92°00'W 988 mb 70/42 KT 0803Z

T.O.
 27.1/24.0
 1009.8 AS
 1009 SP
 105 @3000
 L400
 SP 1011

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OROWF2 FILE

FLT ID: 851027H1

TIME OFF: 0058Z

TIME ON: 103000

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	15 1008.5	ALT 1010 CAL LAB 1009.5	1011 SP	

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	8	
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	2	
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

ONE computer, crashed out at P.D. - Flew unguided
 data system down early in flight for diagnostics - bad
 tape drive
 PQ crashed out ~ 0715Z -> went with D3P

CNO3 = -7.417

4 = 0.017274

851027H

Time	LAT	LONG	TRK	WD	WS	GA	PA	SP	TA	TD	PS ^{PD}	PS			
0103	25.62	80.20	258	96	8.1	1543	1510	1010	5.1	15.2	25	816			
0106	25.64	80.45	277	117	4.2	2630	2556	1006	12.9	6.0	23.1	736			
0147	25.90	83.74	275	180	14	6366	6091	1005	-10.5	-14.4	0.9	466			
0206	24.02	85.10	288	125	11	6361	6054	1001	-10.5	-8.4		468			
0243	25.67	88.50	223	177	15	6307	6056	1007	-12.1	-15.3	22	468			in cell
0413	24.20	92.97	137	307	17	444	543	999	21.8	22.4	27.6	950	SJ of S		
0330	24.98	91.92						994					S		
0436	23.43	92.01	359	272	16	457	546	1000	22.6	21.0	27.5	949.4	S of S		
0553	26.17	93.36	220	40	17	439	538	999	21.9	21.0	27.7	949.6	NW of S		
0506	25.13	92.38						991					S		
0642	25.35	92.21						990					S		
0717	25.20	90.92	306	185	17	440	576	994	23.1	21.0	27.4	946	NE of S		
0803	25.19	92.00						988					S		
0819	25.27	90.92	90	180	19	504	632	995	22.1	21.1	27.6	940	E of center		
0844	25.80	89.18	84	185	15	6278	6077	993	-9.1	-12.6	22.1	464			
0910	25.96	86.72	85	210	10.8	7314	7015	997	-15.7	-23.7	22.3	410			

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
TICK NOR	SECRETAN	42	851027 002800	0058	MIAMI	27-OCT 1985	T.S. JUAN

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
0048	25-48.2 080-17.5	4	25-48.2 080-17.6	0.0 -0.1	25-48.1 080-17.6	+0.1 -0.1	BLOCK OUT.
0110		9	25-40.7 080-46.3		25-40.4 080-46.0		
0141		9	25-52.5 083-14.5		25-51.9 083-14.6		TK 275, GS 275
0156		9	25-58.0 084-35.1		25-57.5 084-35.4		
0213		9	26-02.1 086-04.5		26-01.7 086-04.8		
0242		9	25-45.6 088-24.8		25-45.2 088-24.9		
0330		9	24-57.5 091-55.7		24-57.3 091-56.2		CENTER T.S.
0506		9	25-07.3 092-22.8		25-08.6 092-23.0		CENTER T.S.
0642		9	25-20.3 092-13.9		25-24.5 092-13.5		CENTER T.S.
0803		9	25-18.2 092-00.0		25-24.9 091-58.5		CENTER T.S.
0918		9	26-01.6 085-55.1		26-10.5 085-51.1		
1035	25-48.2 080-17.5	4	26-02.4 080-09.7	-14.2 +7.8	26-13.2 080-02.6	-25.0 +14.9	PARKED.

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	Δ T (2)(1)	TERMINAL ERRORS		
				ELAPSE ALIGN POST TIME					LAT	LONG	GS
INS 1		NO	NO		0	1022	1035	10+13	-14.2	+7.8	3
INS 2 or IMU		"	"		0	1022	1035	10+13	-25.0	+14.9	4

ALIGN REMARKS: BOTH INE'S RUN FREE BECAUSE OF NCS FAILURE.

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

73.2
48.2
25.0

FLIGHT TRACK PLOT FOR FLIGHT ID: 851027H

BEGIN TIME= 0:58: 0

END TIME= 10:30: 0

