

19851010H1-FD12

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

FLT ID: 851010H	FM: MIA	TO: MIA
FLT NO: 03-86	BLK IN: 2210 Z	ATA:
ETD: 1330Z	BLK OUT: 1335	ATD:
ETE: 9.5HRS	BLK TIME: 8:35HRS	FLT TIME:
SPONSOR ORG: NHC	PROGRAM: TS ISABEL	PURPOSE: RECCO

OAO PERSONNEL

AC MANDELKERN	SYS ENG DUGRAKUT
CP TICKNOR	DATA SYS BALL
NAV GERLICH	RADAR
FE MOORE	BT/ODW
RADIO CALVERT	CLD PHYS
FD DAVIS	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
LEIGHTON, P	RADAR	NRL

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

1110

1129Z

29 37

2016

2201Z

1000

4540Z

20.0 20.0

20.0 20.0

U.S. DEPT. COMM./NOAA/ORD - DATA SECTION WORK FORM NO.2 DROWF2 FILE

FLT ID: 851010H TIME OFF:

TIME ON:

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1017.0	1018.3	1015.4	1015.6

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

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FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

RXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

851010H T.S. ISABEL

TIME	TK	LA	LO	PA	SP	TA	TD	WD	WS	DV		
133437	OUT	214	134438	OFF	214							
1430	348	28 45	80 09	442	396	017	22	21	516	09	40	
1440	348	29 08	80 26	425	391	015	22	22	544	10	33	
1450	348	29 74	80 43	324	388	010	23	23	220	17	-4	
1500	360	29 91	80 60	375	390	009	25	24	150	05	-14	27
		290 54'N	80° 37'W									5
1510	327	30 70	80 75	412	327	014	24	24	093	20		
1519	176	31 00	80 98	418	326	015	24	23	085	19		
1530	175	30 58	80 92	375	321	010	24	24	060	13		
1536		29 26	80 25	421	421	009	24	24	270	04	-6	
		290 49'N	80° 51'W									
1641	346	30 11	81 24	620	605	011	23	23	360	18	14	
1709	354	30 40	81 41	643	609	014	23	22	670	15	32	
1728		30 24	81 00						270	04		
1737	270	30 33	81 04			009			090	02	-17	
1739	090	30 27	81 00	430	448	008	24	24	270	01	-12	5
		30° 18'N	81° 00'									
1837		30 45	80 93	425	447	002	24	24	155	10	-20	
1856	208	31 21	80 56	466	444	013	23	22	126	16	19	
1902	220	30 92	80 22	447	440	011	22	22	120	20	3	
1912		30 30	81 11	425	447	008	24	23	360	01	-22	5
		45	96			008			180	08	-23	
1948	216	31 97	79 97	488	450	015	23	22	140	13	37	
2008	214	31 06	80 71	455	448	010	22	22	140	19	21	
		30 90	80 25						135	20	65	
2020		30 54	81 10						180	05		
2032	270	30 58	80 44	462	451	010	21	21	173	18	10	
2045	270	30 58	81 30	427	445	008	24	24	270	01	-20	
200323	IN	214										

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Mandelkern	Gerish	N 42 RF		1344	Miami	Oct 10, 1985	cloud cluster "Isabel"

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
1339	25 48.3 80 17.6		25 48.2 80 17.6	+1 0	25 48.2 80 17.6	+1 0	Block out
1344	25 48.3 80 17.6		25 48.0 80 17.6	0 0	25 48.9 80 17.6	+0.1 0	Airborne
1458			29 51.8 80 38.4		29 51.5 80 38.4		Wind Center
1536			29 53.0 80 51.9		29 52.9 80 51.7		Wind Center
1711	31 03.0 81 26.8	2	31 01.7 81 26.0	+1.3 +0.8	31 02.6 81 26.4	+0.4 +0.4	Over SSZ
1739			30 18.1 80 59.8		30 16.6 81 00.0		Wind Center
1841	30 39.5 80 50.0	2	30 43.5 80 49.5	-4.0 +0.5	30 38.6 80 48.9	+0.9 +1.1	JAX 40 SSZ 39.5
1905	31 47.8 80 58.2	2	30 41.7 80 51.6	+6.1 +6.6	30 46.7 80 57.6	+1.1 +0.6	JAX 39 SSZ 29.8
1912	30 25 81 08	9	30 16.9 81 01.2		30 23.7 81 07.2		Land Center Approx
2013	30 51.6 80 54.8				30 51.1 80 53.4	+0.5 +1.4	JAX 44 SSZ 29.8
2044					30 35.4 41 19.2		Wind Center
2204	25 48.0 80 17.6				25 47.8 80 16.4	+0.2 +1.2	Land

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		No	No		0	1318	1915	—	—	—	1
INS 2 or IMU		No	No		0	1318	2208	8.8	-0.4	-1.2	1

ALIGN REMARKS: NGFC Computer Fail or block out

OTHER REMARKS: 1915 INE#1 Failed; codes 25, 31, 42 Switch to AH @ 1914

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

[illegible]

FLIGHT TRACK PLOT FOR FLIGHT ID: 851010H

BEGIN TIME= 13:35: 0

END TIME= 22:10: 0

LATITUDE IN DEGREES

