

19850901HI-FDIR

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

FLT ID: 850901HI	FM: KMIA	TO: KMIA
FLT NO: 47-85	BLK IN: 1247	ATA: 1239
ETD: 0300Z	BLK OUT: 0314	ATD: 0325
ETE: 4+	BLK TIME: 9:33	FLT TIME: 9:14
SPONSOR ORG: NITC	PROGRAM: RECCO	PURPOSE: H. ELENA

OAO PERSONNEL

AC Filers	SYS ENG Schriker
CP Mandelkern	DATA SYS Dubranut
NAV Secretan	RADAR
FE Correll	BT/ODW
RADIO Decker	CLD PHYS
FD Parrish	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Willoughby, H.	P.I.	HRD
Griffin, J.	Radar	HRD

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

Get one hourly Fixes, SK. MN 1505. ELENA. 4→

Fix 0444	28°36'N, 83°57'W	966 mb	255/82 KT
0554	28°39'N, 83°59'W	965 mb	355/84 KT
0643	28°33'N, 83°57'W	965 mb	075/93 KT
0756	28°32'N, 84°01'W	964 mb	175/88 KT
0908	28°34'N, 84°06'W	963 mb	090/95 KT
1022	28°37'N, 84°05'W	962 mb	175/99 KT
1120	28°37'N, 84°05'W	962 mb	090/98 KT

7 penetrations, 5 detailed, 2 abbrev Vortex - A RECCOs
 Tail Radar squirrely all night.

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
HARRIS		SECRETAN		42		850901 024600		0324		MIAMI		1-SEP 1985		LO1 ELENA	
TIME OF ENTRY	POSITION		TYPE	INERTIAL POSITION		LAT LON COR'S		POSITION		LAT LON COR'S		REMARKS			
0310	25-48.2 080-17.6		4	25-48.1 080-17.5		+0.1 +0.1		25-48.1 080-17.6		+0.1 0.0		CHOCKS			
0331			9	26-01.5 080-21.3				26-01.4 080-21.8							
0352	26-35.3 081-52.0		2	26-36.0 081-51.4		-0.7 +0.6		26-36.1 081-52.5		-0.8 -0.5		OVER FT MYERS VORTAC 16000'			
0444			10	28-36.9 083-56.6				28-37.2 083-57.9				CENTER 5 -0.5 +0.4			
0507	29-31.5 084-19.5		2	29-30.6 084-20.6		+0.9 -1.1		29-30.7 084-21.9		+0.8 -1.4		TYNDALL 296/73. TALLAHASSEE 63 DME.			
0554			10	28-38.9 083-59.1				28-39.9 084-00.8				CENTER LO1			
0616	29-30.0 083-42.5		2	29-22.1 083-43.7		-2.1 -1.2		29-22.5 083-44.0		-2.5 -1.5		065/38 CROSS CITY.			
0642			10	28-33.1 083-57.2				28-33.4 083-59.0				CENTER LO1			
0756			10	28-33.5 084-01.0				28-35.0 084-02.8				CENTER LO1			
0908			10	28-34.2 084-06.0				28-34.5 084-08.0				CENTER LO1			
0933	29-36.5 084-27.0		2	29-37.4 084-25.8		-0.9 +1.2		29-38.1 084-29.2		-1.6 -2.2		295/65 (TYNDALL) 001/58 (TALLAHASSEE)			
1022			10	28-37.2 084-05.5				28-37.0 084-08.5				CENTER LO1			
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				1215	2	0244	1245	10+01	-2.0	+3.4	1				
INS 2 or IMU				0215	2	0244	1245	10+01	-2.6	-1.8	5				
ALIGN REMARKS:															
OTHER REMARKS: INE #2 THXG FAIL • VERY STRONG OMEGA SIGNALS.															
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]

RADAR
20, 50 After

NOAA FORM 59-4
(2-72)

85090141

1141

Time	Lat	Lon	Tk	WD	WS	GA	PA	SP	TA	TD	RD	PS			
0350	26.53	81.72	293	220	20	5087	4869	1006	-1.8	-27.7	21.4	550			
0401	26.85	82.50	280	218	20	5137	4919	1004	-2.3	-3.1	14.4	546			
0402	↓ to SK														
0415	26.97	83.51	278	245	22	1518	1497	1007	16.7	14.3	21.5	846			
0455	29.25	83.96	1.0	91	42	1509	1581	996	16.0	16.2	17.7	837			
0510	29.38	84.62	230	61	32	1509	1536	1001	16.5	16.8	16.8	5411			
0535	28.60	85.35	90.4	6.3	23	1512	1529	1003	15.8	16.7		843			
0609	28.87	83.27	323	162	36	1509	1571	997	16.6	17.4	18.4	838			
0618	29.43	83.79	320	105	33	1475	1518	999	17.8	16.2	24.9	842			
0649	28.20	83.95	180	268	40	1515	1652	982	17.1	18.4		230			
0700	27.58	83.96	177	252	24	1520	1518	1002	15.9	16.5	20.0	841			
0716	26.85	83.29	28	245	24	1526	1510	1007	16.3	14.9	24.5	845			
0745	28.63	83.26	271	180	36	1510	1522	995	16.5	16.3		837	OUTSIDE		
0809	28.58	84.95	467	10	34	1521	1578	997	16.8	17.4	17.5	837			
0842	27.31	84.20	136	255	25	1532	1541	1004	15.5	16.2		842			
0927	29.76	84.13	0.3	91	30	1503	1520	1003	16.3	15.5	17.0	844			
0941	29.25	85.02	233	25	20	1520	1553	1001	16.0	16.7	16.6	840			
1001	29.34	85.30	70	7	24	1519	1542	1002	16.3	15.7		842			
1036	28.64	83.23	89	177	36	1512	1571	998	16.2	-		839			
1100	29.76	84.08	245			1510	1521	1003	17.2	16.5		844			
1143	27.22	84.09	180	255	25	1520	1510	1006	15.8	-	24	844			
1149	↑														