

RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N42RF			
FLIGHT LOG		FLIGHT NO. 81105 H			
		FLIGHT ID 2-82			
		DATE 11/5/81			
TAKE OFF (City or airport) MIA	LAND (City or airport) MIA	ALTITUDE 1500'			
PURPOSE RECCON KATRINA (HURRICANE)					
PROPOSED TAKEOFF TIME: 22Z		PROPOSED FLIGHT DURATION: 9 HRS			
TIME IN: 0710		TIME ON: 0704			
TIME OUT: 2150		TIME OFF: 2208			
BLK. TIME: 9,3 HRS		FLIGHT TIME: 8,56 H			
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
GUNNOE		HAYDU	BERLES	JORGENSEN	WANG
GENSLINGER		PARADIS	E. DAVIS	GOLDENBURG	MORITZ
COX		STONE		SIMPSON	BELLMAN
ROSE		CALVERT		Revitte	CAMERON
PROPOSED MISSION FIXES AT 00Z & 06Z					
ACTUAL MISSION AND REMARKS FIX 06/0022Z 21° 00'N 79° 21'W 50KTS 996MB FIX 06/0301Z 20° 54'N 78° 53'W 60KTS 998MB EST. 06/0545Z 20° 55'N 78° 20'W 50KTS 1003 MB center not penetrated.					
DATA COLLECTED AND REMARKS 1 1/2 1 slow tape 6 RADAR TAPES USE INE #2					

TK1
13,260

00

20 55
78 20

61

	LA	LO	TK	WD	WS	RA	PA	DV	SP	TA	TD	SST	P
	(ALY		29.84			(-15)	(1008, 4)						
13	25.6	80.5	225										
234	24.3	80.9	206	150	4	5578	5340	245	1001	-4	-7	11.2	51
256	26.0	81.2	200	245	4	5774	5506	265	1001	-4	-16	22.4	50
328	21.1	81.2	190	320	11	5782	5492	281	001	-3	-23	21.5	53
2345	20.8	79.97	360	030	19	464	532	-	002	22.5	21.0	21.5	94
2351	21.15	80.02	055	050	15	454	509	-	003	23	22	25	95
2354	21.35	79.96	90	060	19	-	510	-	004	22	20.5	27.7	95
2357	21.34	79.7	100	065	21	-	507	-	002	22	21.6	27	95
0603	21.3	79.5	090	065	15	-	508	-	000	25	20	27	95
0006	21.2	79.35	100	100	20	-	506	-	000	23	22	27	
0010	21.2	79.1	100	175	21	-	-	-	-	22	21	27	
0013	21.2	79.1	100	108	20	-	504	-	002	22	21	26	
0015	21.26	79.3	260	090	22	-	504	-	001	24	21	27	
0019	21.12	79.4	160	00	24	-	503	-	798	23	23	27	
0021	21												
	20.20	21.0	79.35				997				24		
											22		
	23	200		50KT			552			996			
											25		
							997						
		996										28	
	20.97		79.36				25				25.4		
				5 KTS									
											55?		
0140	20.6	78.9	125	222	29	475	549	-	001	23	23	28	
0200	20.4	78.6	325	220	29	486	550	-	002	24	23	28	
0223	21.1	79.2	215	050	15	483	551	-	1002	22	22	27	
0237	20.68	78.7		230	30	473	548	-	000	24	24	21	
0252	21.2	79.1	360	045	13		547	-	003	22	21	28	
	21.07	78.9		355									
	21.07	79.96											
0343	21.08	79.08	140	015	7	1599	1588	-	001	22	11	25	
0350	20.7	78.8	140	285	9	1583	1585	-	001	19	19	21	
0435	20.6	78.8	150	285	15	1597	1582	-	003	20	16	21	
0445	19.9	78.4	055	245	18	1614	1572	-	007	18	17	26	
0458	20.5	78.3	307	245	24	1584	1580	-	002	21	17	25	
0534	20.4	78.1	298	242	22	448	501	-	004	24	22	28	
0537	20.5	78.2	312	262	20	445	500	-	004	24	21	27	
0540	20.6	78.4	307	280	16	438	501	-	003	23	23	26	
0543	20.7	78.5	305	275	12	441	499	-	004	23	20	26	
0546	20.8	78.7	317	320	9	446	499	-	004	22	21	25	

06/0545

POSITION

estimated \checkmark by 1500' flight track
wind. Center was not penetrated
since storm was on the eastline.

estimated position is

20° 55' N

78° 20' W

Highest wind 50 KTS

LOWEST PRESSURE

1003 mbs

PILOT <i>unnoe</i>	NAVIGATOR <i>Cox</i>	A/C NO. <i>42</i>	MISSION NO.	TIME AIRBORNE	LOCATION <i>MIA → & Katrina</i>	DATE <i>8/1/05</i>	PROJ. NAME <i>& Katrina</i>
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TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
<i>2146</i>	<i>N 25-48.2 W 080-17.6</i>		<i>N 25-48.5 W 080-17.8</i>	<i>-0.2 -0.2</i>	<i>25-48.6 080-17.8</i>	<i>-0.2 -0.2</i>	
<i>220746</i>							<i>T.O.</i>
<i>220755</i>							<i>Rad. On.</i>
	<i>N 23-05.0 W 081-23.0</i>		<i>23-04.2 081-26.8</i>	<i>+0.8 -2.2</i>	<i>23-06.0 081-22.3</i>	<i>-1.0 +0.7</i>	<i>Varden</i>
<i>2239</i>	<i>[scribble]</i>		<i>N 24-03.8 W 081-05.4</i>		<i>N 24-04.1 W 081-03.2</i>		<i>TACAN MIA WR. VARDEN</i>
	<i>22-04.0 081-02.0</i>		<i>22-04.8 081-05.5</i>	<i>-0.8 -3.5</i>	<i>22-06.3 081-02.3</i>	<i>-2.3 -0.3</i>	<i>GIRON →</i>
<i>0022</i>			<i>21-00.2 079-21.4</i>				<i>& Katrina</i>
			<i>20-57.2 079-22.4</i>		<i>0600</i>		
							<i>Simons 018/55</i>
							<i>030/33</i>
			<i>20-59.0 079-18.2</i>	<i>NW 6</i>	<i>20-56.7 079-15.4</i>	<i>NW 2.5</i>	<i>025/51</i>
<i>031</i>							<i>3.0 218-46</i>

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	GS
<i>INS 1</i>	<i>2029</i>	<i>✓</i>	<i>✓</i>	<i>?</i>	<i>0</i>	<i>2128</i>	<i>67.14</i>	<i>9446</i>	<i>-4.7</i>	<i>-5.8</i>	<i>2</i>
<i>INS 2 or IMU</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>?</i>	<i>✓</i>	<i>✓</i>			<i>+1.9</i>	<i>0</i>	<i>1</i>

ALIGN REMARKS: *2252*

OTHER REMARKS: *13/05*

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

