

<b>RFF-10 WORK FORM</b> (8-72) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		<b>AIRCRAFT</b> NH2RF		
<b>FLIGHT LOG</b>		<b>FLIGHT NO.</b>		
		<b>FLIGHT ID</b> 830817H		
		<b>DATE</b> AUG 17 1983		
<b>TAKE OFF (City or airport)</b> KMZA	<b>LAND (City or airport)</b> KMSY	<b>ALTITUDE</b> 5000 FT		
<b>PURPOSE</b> HRD RESEARCH HURRICANE ALICIA				
<b>PROPOSED TAKEOFF TIME:</b> 0900Z		<b>PROPOSED FLIGHT DURATION:</b> 10 HR		
<b>TIME IN:</b> 1914		<b>TIME ON:</b> 1907		
<b>TIME OUT:</b> 1912		<b>TIME OFF:</b> 0925		
<b>BLK. TIME:</b> 10:03		<b>FLIGHT TIME:</b> 9:42		
<b>FLIGHT PERSONNEL</b>				
<b>OPERATIONS CREW</b>		<b>WEATHER CREW</b>		<b>VISITORS</b>
GUNNOE	ROSE	DARBY		P. BLACK
NOBLE	KINNEY	BERLES		B. BLACK
NELSON		JARVIZ		DORST
CORRELL		CALVERT	DAHLBERG	GRIFFIN
<b>PROPOSED MISSION</b> (1516Z) 3hr to Sta. 1hr recovery				
<b>ACTUAL MISSION AND REMARKS</b> Flew Vortex Eval PATTERN I opt I (mod) mod was due to proximity to Land.				
<b>DATA COLLECTED AND REMARKS</b> TEYE PENT. TAPES REPAIR 10 SLOW 1 C/P 16				

TECH: JATW/Recc  
 CRAFT: N427E  
 TIME: (Pre-Flt) 07:52

FLIGHT I.D.: 830817H  
 MISSION: HURRICANE ALICIA RECC  
 (Take-Off) 0925Z (Land) 1407Z

SYSTEM			PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
	ALIGN PI	AID			LAT	LONG	GS
NAV	INE1	2/D	✓		+6.8	+2.8	2
	INE2	2/D	✓		-0.1	+0.5	0
	ONE		✓				
	DOPLR		✓				
INTEGRATION (PRI'S)							
RAD	NOSE	-	✓				
	L/F	15	✓				
	TAIL	63	✓	(4)			
	DATA SYSTEM		✓				#TAPES: 10
RAMS DATA SYSTEM			✓	(3)			
TEMP	CAL HI	CAL LO	AMBIENT		CAL HI	CAL LO	
TEMP #1	+31.5	-24.0	+26.2		+29.1	-30.8	
TEMP #2	+31.0	-28.6	+26.0		+28.6	-30.4	
DEW POINT (CLEANED: Y/N)			✓				
ATTACK ANGLE			✓				
SLIP ANGLE			✓				
ABSOLUTE PRESSURE			✓				
DIFFERENTIAL PRESSURE			✓				
RDR ALTM. S/N: SW71-02			✓				
J&W			✓				
PMS	OAP 2D-C		✓	(2)			
	OAP 2D-P		✓				
	FSSP-100		✓				
	DATA SYSTEM		✓				#TAPES: 12
FOIL IMPACTOR			NI				#INCHES:
ICE RATE DETECTOR			NI				
CO2 RADIOMETER			OX				
MICROWAVE RADIOMETER			NI				
SURFACE RADIOMETER			✓				
SEEDER			NI				
GUST PROBE			NI				
ASDL (TEST TRANSMISSION) (N)			✓				#MESSAGES: 21
HARD COPY			NU				
CLEAN MAG TAPE HEADS			✓				
NIMBOMETER			✓				
P		RATE	(COUNTS)				(COUNTS)
H	FORWARD	1/2	✓				
O	VERTICAL		NI				
T	RIGHT SIDE	1/2	✓				
O	LEFT SIDE	1/2	✓				
AXBT SYSTEM			NU				
ODW SYSTEM			✓				
AXBT EXPENDABLES: #ON BOARD:			-	#DROPPED:		#GOOD:	
DROPSONDES: #ON BOARD:			8	#DROPPED:		#GOOD:	
CUMMULATIVE ACCEL. (MELC)			#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)	
(LOG AT END OF FLIGHT)			8987	5503	3203	2733	

CODE: ✓ - OPERATIONAL; X(#) (TIME) - FAILURE (NOTE);

NI - NOT INSTALLED; NU - NOT USED

USE REVERSE SIDE FOR NOTES.

REPORT COMPLETION OF PRE-FLIGHT AND INSTRUMENT STATUS TO FLIGHT DIRECTOR

30 - ZDC UPDATES CONTINUOUSLY  
 40 - RAMTEK CH. & BREAKING UP IN LITTLE BITS.  
 725 - TAIL RADAR ANT. STOPPED SCANNING

LOCATION DATE PR  
 NA 17 5

NOTES ON:

4) TAIL MOTOR REPLACED

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
0911	N 25 46.2 W 080 17.9	4	N 25 46.2 W 080 17.9		N 25 46.2 W 080 17.9		DRK.
0925	N 25 48.0 W 080 18.0	4	N 25 47.7 W 080 18.1		N 25 47.7 W 080 18.8		7/2 9L
1001	N 25 50.1 W 082 26.3	2/10	N 25 52.3 W 082 29.9		N 25 51.8 W 082 29.1		shly 1001 12 300/5 2001 01 200/5 2001 01 200/5
1101		10	N 26 26.9 W 088 36.4		N 26 26.7 W 088 35.8		2001 04 300/5
1145.47		10	N 26 50.7 W 091 59.7		N 26 50.7 W 091 59.3		5001 2001 034
1218.23		10	N 27 53.5 W 094 15.2		N 27 53.6 W 094 14.6		
1239.43	N 28 07.0 W 095 31.7	2/10	N 28 08.8 W 095 32.4	Fail. Fix.	N 28 09.0 W 095 32.0	A2 shly	DRK 122/55 2001 300/5
1323.01		2/10	N 27 56.4 W 094 17.6		N 27 56.8 W 094 16.8		1338.2 D/E Error. From Data 000010
1356.12		10	N 29 00.7 W 094 33.1		N 29 01.0 W 094 32.7		SMS 1301 2001 030 42
1414.23		10	N 27 56.2 W 094 17.8		N 27 55.8 W 094 17.6		6 #3 2001 030 42
1516.20		10	N 27 59.6 W 094 22.7		N 27 59.2 W 094 22.0		6 #4 2001 030 42
1605.50		10	N 28 03.7 W 094 22.2		N 28 01.2 W 094 21.6		6 #5 2001 028

SYS	BEGIN ALIGN TIME	NCS CORR	Ω AID	TIME OUT OF CCORSE ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV	(2) TIME OUT NAV	ΔT (2)(1)	TERMINAL ERR	
									LAT	LONG
INS 1	07307	Y	Y		0	0854	1914	9.3		
INS 2 or IMU	0730	Y	Y		0	0854	1914	9.3		

ALIGN REMARKS:

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

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PR NA
Gunnee	Nels	NCAA 42	830817	0926.	N 25 48.2 W 080 17.6	17 Aug 83	5

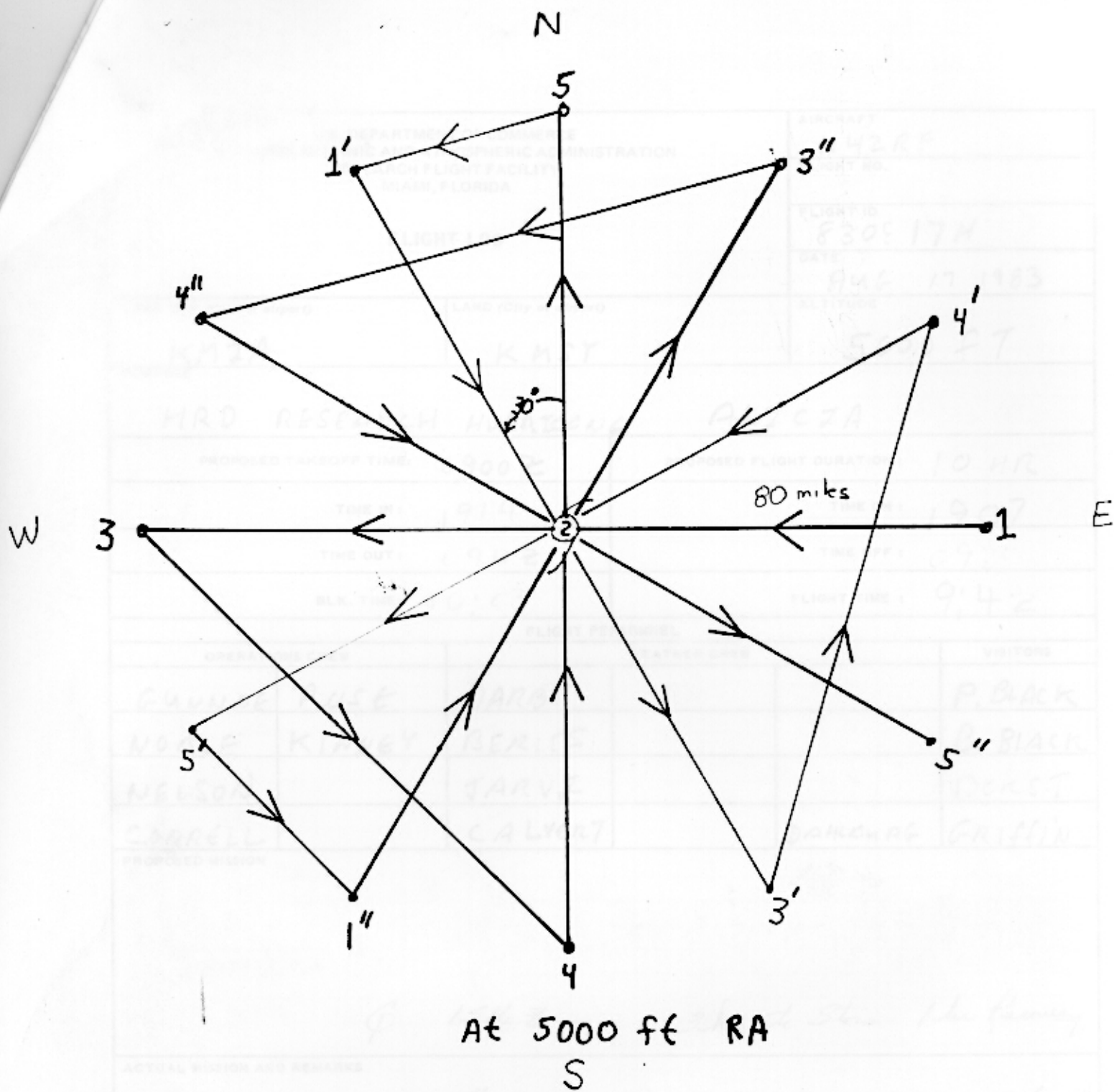
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
0911.	N 25 48.2 W 080 17.5	4	N W Same		N W Same		BIK.
0925	N 25 48.0 W 080 18.0	4	N 47.7 W 18.1		N 47.7 W 18.8		9/0 9L
100017	N 25 50.1 W 082 26.3	2/10	N 25 52.3 W 082 29.4		N 25 51.8 W 082 29.1	shaky Damp BSY	FMY AZ. 214. / 5 BSY DIME 476 - 20N 051 Both
110904	N W	10	N 26 26.9 W 088 36.4		N 26 26.7 W 088 35.8		- 20N <sup>RF</sup> 043 Both
1145:47		10	N 26 50.7 W 091 59.7		N 26 50.7 W 091 59.3	5RH	20N 034
121813		10.	N 27 53.5 W 094 15.2		N 27 53.6 W 094 14.6		
123943	N 28 07.0 W 095 34.7	2/10	N 28 08.8 W 095 32.4	FAIR. FIX.	N 28 09.0 W 095 32.0	AZ shaky	BSX 132/55 - 20N 32 B...
132300		2/10	N 27 56.4 W 094 17.6		N 27 56.8 W 094 16.8		13382.   20N FINE BROKE. FROM Coke 00010
1356:12		10	N 29 00.7 W 094 33.1		N 29 01.0 W 094 32.7		SMS 130T - 20N 030 #2
141403		10	N 27 56.2 W 094 17.8		N 27 55.8 W 094 17.6		⊙ #3 20N. 030 #2
1516:07		10	N 27 59.6 W 094 22.7		N 27 59.2 W 094 22.0		⊙ #4 20N 030 #2
160550		10	N 28 03.7 W 094 22.2		N 28 01.2 W 094 21.6		⊙ #5 20N. 028

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 ERROR		
				ELAPSE ALIGN POST TIME					LAT	LONG	G
INS 1	07307	Y	Y		0	0854	1914.	9.3			
INS 2 or IMU	0730	Y	Y		0	0854	19A.	9.3			

ALIGN REMARKS:  
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





FLY 1-2-3-4-5-1'

FLY 1'-2-3'-4'-2-5'-1''

FLY 1''-2-3''-4''-2-5''

DATA COLLECTED AND FINISHED

7 EYE POINT

TAKE

DATE 10-26-11 9/16