

19830817HILFDIR

RFF-10 WORK FORM (8-72) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		AIRCRAFT N42RF	
FLIGHT LOG		FLIGHT NO.	
		FLIGHT ID 830817H	
		DATE AUG 17 1983	
TAKE OFF (City or airport) KMZA	LAND (City or airport) KMSY	ALTITUDE 5000 FT	
PURPOSE HIR D RESEARCH HURRICANE ALICIA			
PROPOSED TAKEOFF TIME: 0900Z		PROPOSED FLIGHT DURATION: 10 HR	
TIME IN: 1914		TIME ON: 1907	
TIME OUT: 0911Z		TIME OFF: 0925	
BLK. TIME: 10:03		FLIGHT TIME: 9:42	
FLIGHT PERSONNEL			
OPERATIONS CREW		WEATHER CREW	
GUNNOE ROSE		DABBY	
NOBLE KINNEY		BERLES	
NELSON		JARVI	
CORRELL		CALVERT	
		DAHLBERG	
VISITORS			
P. BLACK			
B. BLACK			
DORST			
GRIFFIN			
PROPOSED MISSION			
@ 1516Z. 3hr to Storm 1hr recovery			
ACTUAL MISSION AND REMARKS			
Flew Vortex Evol PATTERN I opt I (mod) mod was due to proximity to Land.			
DATA COLLECTED AND REMARKS			
TEYE PENT. TAPES RAPAR 10 SLOW 1 C/P 16			

FLIGHT TECH: JAWI/BaelesAIRCRAFT: N42RFTIME: (Pre-Flt) 0745ZFLIGHT I.D.: 830817HMISSION: HURRICANE ALICIA RECON(Take-Off) 0925Z (Land) 1407Z

SYSTEM			PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
	ALIGN PI	AID			LAT	Lon	GS
NAV	INE1	2/D	✓		-6.8	+2.8	2
	INE2	2/D	✓		-0.1	+0.5	0
	ONE		✓				
	DOPLR		✓				
RAD	INTEGRATION (PRI'S)						
	NOSE	—	✓				
	L/F	15	✓				
	TAIL	03	✓	(4)			
RAD	DATA SYSTEM		✓				#TAPES: 10
	RAMS DATA SYSTEM		✓	(3)			
TEMP	CAL HI	CAL LO	AMBIENT		CAL HI	CAL LO	
TEMP #1	+31.5	-29.0	+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: 17
FOIL IMPACTOR			NI				#INCHES:
ICE RATE DETECTOR			✓				
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

830817H

- (2) 0930 - ZDC UPDATES CONTINUOUSLY

(3) 1640 - RAMTEK C.H. & BREAKING UP IN LITTLE BITS.

4) 1725 - TAIL KADAR ANT. STOPPED SCANNING

NOTES ON:

4) TAIL MOTOR REPLACED

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PRO. NAME
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
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0911.	N 25 48.2 W 080 17.5	4	N W Same		N W Same		BIK.
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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
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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 Drip BSY	FMY A2. 214. / 59 BSY DME 426 20N 051 Both
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110904	N W	10	N 26 26.9 W 088 36.4		N 26 26.7 W 088 35.8		20N 043 Both
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1145:47		10	N 26 50.7 W 091 59.7		N 26 50.7 W 091 59.3	5RA	20N 034
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121813		10	N 27 53.5 W 094 15.2		N 27 53.6 W 094 14.6		
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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 122/55 20N 32 Both
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132300		2/10	N 27 56.4 W 094 17.6		N 27 56.8 W 094 16.8		13382. 20N FINE BROKE. FROM 18 Code 000010
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1356:12		10	N 29 00.7 W 094 33.1		N 29 01.0 W 094 32.7		SHS 130T 20N 030 #2
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141403		10	N 27 56.2 W 094 17.8		N 27 55.8 W 094 17.6		#3 20N. 030. #2
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1516:07		10	N 27 59.6 W 094 22.7		N 27 59.2 W 094 22.0		#4 20N 030 #2
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160550		10	N 28 03.7 W 094 22.2		N 28 01.2 W 094 21.6		#5 20N. 028
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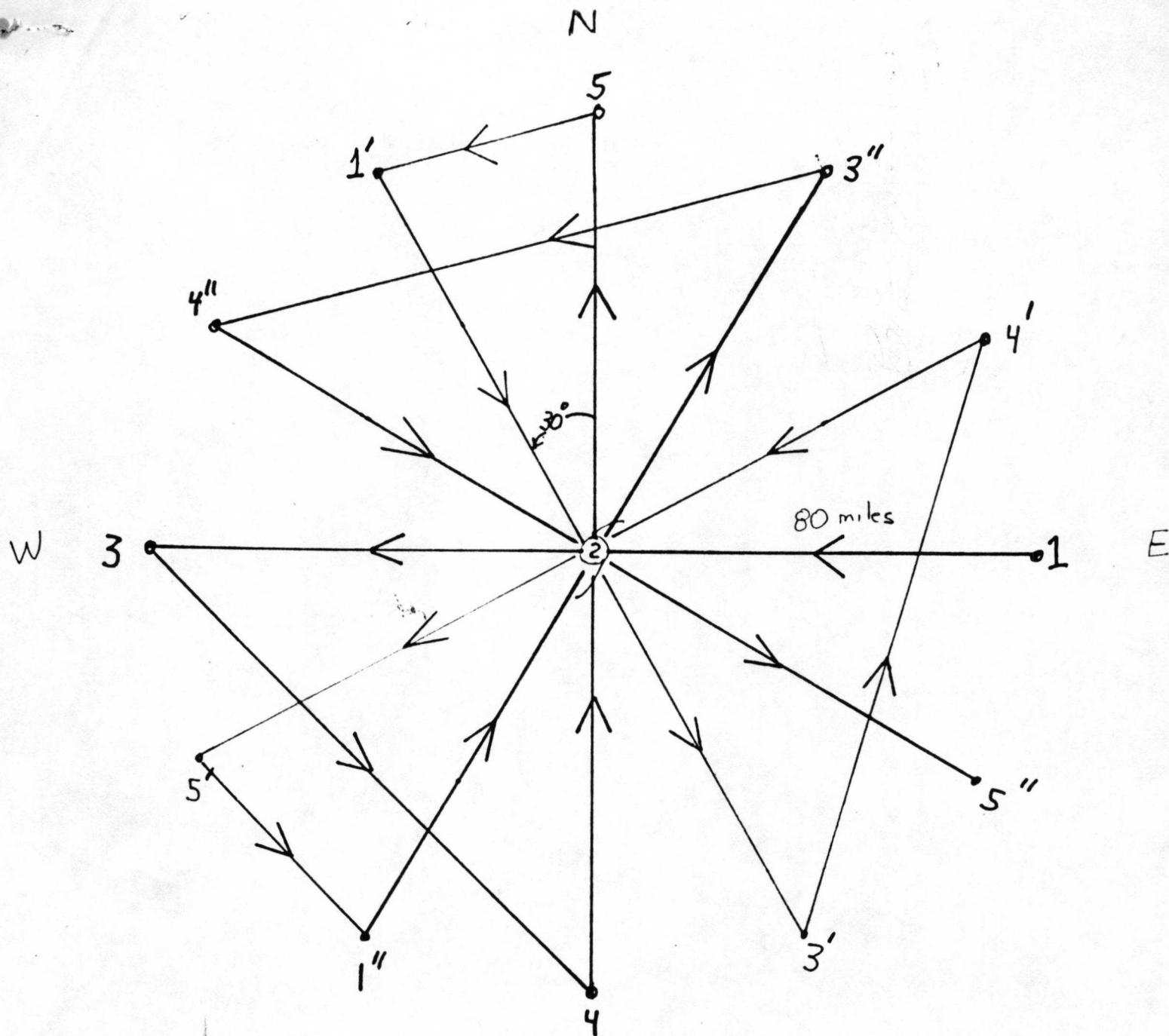
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	Δ T (2)(1)	TERMINAL ERROR	LAT	LONG	G
INS 1	07307	Y	Y		0	0854	1914.	9.3				
INS 2 or IMU	0730	Y	Y		0	0854	194.	9.3				

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

[illegible]



At 5000 ft RA
S

Fly 1-2-3-4-5-1'

Fly 1'-2-3'-4'-2-5'-1''

Fly 1''-2-3''-4''-2-5''