

RFF-10 WORK FORM (8-72) U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 RESEARCH FLIGHT FACILITY
 MIAMI, FLORIDA

AIRCRAFT
 N402F
 FLIGHT NO.
 55-83
 FLIGHT ID
 830818H
 DATE
 AUG. 18, 83

FLIGHT LOG

TAKE OFF (City or airport) LAND (City or airport) ALTITUDE
 MST MST CK

PURPOSE HRD-RESEARCH - HURRICANE ALICIA

PROPOSED TAKEOFF TIME: 0500Z PROPOSED FLIGHT DURATION: 9 HRS
 TIME IN: 1255Z TIME ON: 1252Z
 TIME OUT: 0500Z TIME OFF: 0512Z
 BLK. TIME: 7:55 HRS FLIGHT TIME: 7:35 HRS

FLIGHT PERSONNEL

OPERATIONS CREW		WEATHER CREW		VISITORS	
TURNER	NUNN	DAVIS		JORGENSEN	WHITE
MANDELKERN		GOLDSTEIN		GOLDENBERG	TIMMS
SCHISEL		SCHRIKER		WILLIS	STACY
MOORE		STONE		CHENG	

PROPOSED MISSION

CENTER AT COAST LINE. VARIOUS RADIAL
 200M LONG SEWARD OF CENTER

06Z, 09Z, 12Z FIXES ACQUIRED FOR HFD

ACTUAL MISSION AND REMARKS

AS PLANNED - 3 PENETRATIONS
 15 RECCO2 XMTD - 3 FIXES
 180635Z POSIT 28058'N 95002'W SLP 963 MB MAX WIND 230°/9KT
 180845Z POSIT 29011'N 95012'W SLP 960 MB MAX WIND 130°/90 KTS
 UNABLE 12Z FIX CENTER INLAND

DATA COLLECTED AND REMARKS

1 STD FLT LVL TAPES, 8 RADAR TAPES, 14 PSM TAPES

✓ - OPERATIONAL; X(2) (TIME) - FAILURE (NOTE);
 NI - NOT INSTALLED; NU - NOT USED
 RADAR PMS TAPES TO HFD

MELC/SIG FLIGHT PERFORMANCE LOG

PILOT TECH: ASG/TLS/RHS

FLIGHT I.D.: 830818H

AIRCRAFT: N42RF

MISSION: Huer Alicia

TIME: (Pre-Flt) 0314Z

(Take-Off) _____

(Land) 125Z

SYSTEM			PRE-FLIGHT	INFLIGHT	POST-FLIGHT	
	ALIGN PI	AID			LAT	LON
NAV	INE1	✓	✓		-6.1	+4.1
	INE2	✓	✓		-3	-9
	ONE		✓			
	DOPLR		✓	(8)		
RAD	INTEGRATION (PRI'S)					
	NOSE		(1)			
	L/F		✓			
RAD	TAIL		✓			
	DATA SYSTEM		✓			
RAMS DATA SYSTEM			✓			#TAPES: 14
TEMP	CAL HI	CAL LO	AMBIENT			
TEMP #1	31.7	-28.2	29.2	(9) (11) (12)	CAL HI	CAL L
TEMP #2	31.2	-28.6	28.8		32.0	-28.5
DEW POINT (CLEANED: Y/N)			N	25.5	31.4	-28.1
ATTACK ANGLE			✓			
SLIP ANGLE			✓			
ABSOLUTE PRESSURE			✓			
DIFFERENTIAL PRESSURE			✓			
RDR ALTM. S/N: SW71-02			(4)			
J&W						
PMS	OAP 2D-C		(3) ✓ (5)	(14) (7)		
	OAP 2D-P		✓ (6)			
	FSSP-100		✓			
	DATA SYSTEM		✓			
FOIL IMPACTOR			(11)		#TAPES: 1	
ICE RATE DETECTOR			✓		#INCHES:	
CO2 RADIOMETER			(2) X			
MICROWAVE RADIOMETER			NI			
SURFACE RADIOMETER			✓			
SEEDER			NI			
GUST PROBE			NI			
ASDL (TEST TRANSMISSION)			✓			
HARD COPY			✓	(10) (13)		#MESSAGES: 15
CLEAN MAG TAPE HEADS			✓			
NIMBLOMETER			✓			
PHOTO		RATE	(COUNTS)			(COUNTS)
	FORWARD		NU			
	VERTICAL		NU			
	RIGHT SIDE		NU			
	LEFT SIDE		NU			
AXBT SYSTEM			NU			
ODW SYSTEM			NU			
AXBT EXPENDABLES: #ON BOARD: 0			#DROPPED: 0	#GOOD: 0		
DROPSONDES: #ON BOARD: 8			#DROPPED: 0	#GOOD: 8		
CUMMULATIVE ACCEL. (MELC)						
(LOG AT END OF FLIGHT)			#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)

CODE: ✓ - OPERATIONAL; X(#) (TIME) - FAILURE (NOTE);
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USE REVERSE SIDE FOR NOTES.

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

INDICATOR 1428 HAS SHORT IN +5V LIGHTING CKT
 MOVED FROM NAV TO F/D STATION

830818H

- LOFT 5 VOLT POWER SUPPLY IN PROGRESS. - replaced probe before FH
- RA BIT 2 CHECK DOESN'T SHOW GREEN LIGHT; ALSO SYNCRO OUTPUT TO RAMS N.G. - 0418 bit 2 syncro out OK - Power supply came up!
- INSTALLER PROBE FROM 43RF
- END DIODE VOLTAGES < 0.1V @ 0536Z - INOP
- J & W IN OP METER IS FULL SCALE
- 0710Z INET#1 DISCONNECTED FROM ONE - STATUS = 000020
 INET#2 RE QUAL = 141 - DOWN TO 30 IN A FEW MIN.
- 0720Z CPU-CPU LINK DOWN FOR 1/2 min - same symptoms as 43
- ASDL, RAMS TERMINAL, VERY LIGHT CHARACTERS,
- SCREEN "0" DISPLAY ERRATIC, SEE PRIOR LOG SHEET FOR DETAILS
- 0930Z ADC 1 ^{STOPPED INTERRUPTING} FAILURE, (RELOAD) PROGRAM.
- ASDL SENT OUT 0B07 TWICE, ILLEGAL AT 0940Z
- INACTIVE DIODE IN ARRAY. 0520Z
- WAVE GUIDE PUMP seems to cycle too often.

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AD	TIME OUT OF COARSE	ALIGN SYS 0-5	(1) TIME INTO NAV	(2) TIME OUT NAV	ΔT (2)(1)	TERMINAL ERROR			
				ELAPSE ALIGN POST TIME					LAT	LONG	G	
INS 1												
INS 2 or INS												
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												
27 59.5 N 90 16.3 W												

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Turner	Schissel	42RF	830818H	051255	MSY	18 May 1983	Alcira

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
045707	29-59.5 90-16.3	7	29-59.5 90-16.3		29-59.5 90-16.3		Descent BEI Blow
051255	29-59.5 90-16.3	7	29-59.5 90-15.6		29-59.5 90-15.6		T.O.
062528			28-58.6 95-02.7		28-58.6 95-02.7		Alcira
072741			29-02.4 95-07.9		29-02.4 95-07.9		Alcira #1 Decoupled @ 07102
0747	29-41.2 94-02.3	7	29-41.2 94-01.4	0 +1.9	29-40.3 94-01.2	+1.9 +1.1	SABIN PASS
084222		10	29-10.5 95-12.7		29-07.5 95-12.4		Alcira
105044		10	28-57.1 95-20.5		28-51.0 95-22.0		
114205		10	29-00.3 95-12.5		28-53.9 95-14.6		
125706	29-59.5 90-16.3	4	30-05.6 90-12.2	-6.1 +4.1	29-59.8 90-17.2	-.3 -.9	GS #1 4 #20

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERROR		
				ELAPSE ALIGN POST TIME					LAT	LONG	GS
INS 1											
INS 2 or IMU											

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