

19830818H1-FTIR

RFF-10 WORK FORM (8-72)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		AIRCRAFT N4512F	
				FLIGHT NO. 55-83	
				FLIGHT ID 830818H	
				DATE AUG. 18, 83	
FLIGHT LOG					
TAKE OFF (City or airport) MST		LAND (City or airport) MST		ALTITUDE 5K	
PURPOSE HRD-RESEARCH - HURRICANE ALICIA					
PROPOSED TAKEOFF TIME: 0500Z			PROPOSED FLIGHT DURATION: 9 HRS		
TIME IN: 1255Z			TIME ON: 1250Z		
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	TIMMIS
SCHISSEL		SCHRIKKER		WILLIS	STACY
MOORE		STONE		CHENG	
PROPOSED MISSION CENTER AT COAST LINE - VARIOUS RADIAL 20NM LONG SEWARD OF CENTER 06Z, 09Z, 12Z FIXES REQUIRED FOR INFO					
ACTUAL MISSION AND REMARKS AS PLANNED - 3 PENETRATIONS 15 RECCO2 XMTD - 2 FIXES 180605Z POSIT 28058°N 92°00'W SLP 963 MB MAX WND 280°/95K 180840Z POSIT 29°11'N 95°13'W SLP 960 MB MAX WND 155°/90 KTS UNABLE 12Z FIX CENTER INLAND					
DATA COLLECTED AND REMARKS 1 STD ALT LVL TAPES, 8 RADAR TAPES, 14 PSM TAPES RADAR PMS TAPES TO HIRL					

(016)

① NOSE INDICATOR 1428 HAS SHORT IN +5V LIGHTING CKT
MOVED FROM NAV TO F/O STATION

830818H

~~②~~ ~~XXXXXXXXXX~~

③ LOST 5VOLT POWER SUPPLY IN PROBE. - replaced probe before FH

④ 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?

⑤ INSTALLER PROBE FROM 43RF

⑥ END DIODE VOLTAGES < 0.1V @ 0536Z - INOP

⑦ J & W INOP METER IS FULL SCALE

⑧ 0710Z INE#1 DISCONNECTED FROM ONE - STATUS = 000020
INE#2 QUAL = 141 - DOWN TO 30 IN A FEW MIN.

⑨ 0720Z CPU-CPU LINK DOWN FOR 1/2 min - some symptoms as 43

⑩ ASDL, RAMS TERMINAL, VERY LIGHT CHARACTERS,

⑪ SCREEN "O" DISPLAY ERRATIC, SEE PRIOR LOG SHEET FOR DETAILS

STOPPED INTERRUPTING

⑫ 0930Z ADC 1 ~~FAIL~~ FAILURE, RELOAD PROGRAM.

⑬ ASDL SENT OUT 0B07 TWICE, ILLEGAL AT 0940Z

⑭ INACTIVE DIODE IN ARRAY. 0520Z

⑮ WAVE GUIDE PUMP seems to cycle too often.

27 69.5 H
90 16.3 W

FLIGHT 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	LOX	GS
NAV	INE1	✓	✓		-6.1	+4.1	4
	INE2	✓	✓		-3	-0.9	0
	ONE		✓	(8)			
	DOPLR		✓				
RAD	INTEGRATION(PRI'S)						
	NOSE		(1)				
	L/F		✓				
	TAIL		✓				
DATA SYSTEM			✓		#TAPES: 14		
RAMS DATA SYSTEM			✓	(9) (11) (12)			
TEMP	CAL HI	CAL LO	AMBIENT		CAL HI	CAL LO	
TEMP #1	31.7	-28.2	29.2 ✓		32.0	-28.5	
TEMP #2	31.2	-28.6	28.8 ✓		31.4	-28.1	
DEW POINT (CLEANED:Y/N)			N	25.5 ✓			
ATTACK ANGLE			✓				
SLIP ANGLE			✓				
ABSOLUTE PRESSURE			✓				
DIFFERENTIAL PRESSURE			✓				
RDR ALTM. S/N: SW71-02			(4)				
JEW			✓	(14) (17)			
PMS	OAP 2D-C		(3) ✓ (5)				
	OAP 2D-P		✓ (6)				
	FSSP-100		✓				
	DATA SYSTEM		✓				#TAPES: 1
FOIL IMPACTOR			NI				#INCHES:
ICE RATE DETECTOR			✓				
CO2 RADIOMETER			(2) X				
MICROWAVE RADIOMETER			NI				
SURFACE RADIOMETER			✓				
SEEDER			NI				
GUST PROBE			NI				
ASDL (TEST TRANSMISSION)			✓	(10) (13)			#MESSAGES: 15
HARD COPY			NI				
CLEAN MAG TAPE HEADS			✓				
MAGNETOMETER			✓				
P		RATE	(COUNTS)				(COUNTS)
H	FORWARD		NI				
O	VERTICAL		NI				
T	RIGHT SIDE		NI				
O	LEFT SIDE		NI				
AXBT SYSTEM			NI				
ODW SYSTEM			NI				
AXBT EXPENDABLES: #ON BOARD: 0			#DROPPED: 0	#GOOD: 0			
DROPSONDES: #ON BOARD: 8			#DROPPED: 0	#GOOD: 0			
CUMMULATIVE ACCEL. (MELC)			#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)	
(LOG AT END OF FLIGHT)							

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

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Turner	Schleser	02RF	830818H	051255	MSY	18 Aug 1983	Alucia

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
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045707	29-59.5 90-16.3	9	29-59.5 90-16.3		29-59.5 90-16.3		Desolate BEL Box
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051255	29-59.5 90-16.3	9	29-59.5 90-15.6		29-59.5 90-15.6		T.O.
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062528			28-58.6 95-02.7		28-58.6 95-02.7		5 ALUCIA
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072741			29-02.4 95-07.9		29-02.4 95-07.9		ALUCIA #1 Decomposed @ 07102
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0747	29-41.2 94-02.3	2	29-41.2 94-01.4	0 1.9	29-40.3 94-01.2	+1.9 +1.1	SABINE PASS
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084222		10	29-10.5 95-12.7		29-07.5 95-12.4		5 ALUCIA
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105044		10	28-57.1 95-20.5		28-51.0 95-22.0		
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114205		10	29-00.3 95-12.5		28-53.9 95-14.6		
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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	SS #1 4 #20
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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