

19830929H1-FDIR

RFF-10 WORK FORM (8-72)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		AIRCRAFT 04212F	
				FLIGHT NO. 64-83	
				FLIGHT ID 830929H1	
				DATE 29 Sept 1983	
FLIGHT LOG				ALTITUDE 1.5 K	
TAKE OFF (City or airport) KMIA		LAND (City or airport) KMIA			
PURPOSE T.S. DEAN INVEST					
PROPOSED TAKEOFF TIME: 0630Z			PROPOSED FLIGHT DURATION: 10+		
TIME IN: 1704			TIME ON: 1700		
TIME OUT: 0630Z			TIME OFF: 0639		
BLK. TIME: 10+34			FLIGHT TIME: 10+21		
FLIGHT PERSONNEL					
OPERATIONS CREW		WEATHER CREW		VISITORS	
Gunnoe	Moore	Parrish		Willoughby	Farr
Genzlinger	Dunn	Berles		Markes	
Nelson		Stone		Bogert	
Rose				Kohler	
PROPOSED MISSION Fly to vicinity of 35.0N, 71.8 W to T.S. Dean. 09, 12, 15Z Fix responsibility. Fly Fig. 4 pattern for H2D. Return to KMIA.					
ACTUAL MISSION AND REMARKS 1136 - lost OMEGA No ASDL all trip, ASDL computer problem: briefly. Otherwise, as planned. Storm had very broad, ill-defined center - highest winds to north.					
DATA COLLECTED AND REMARKS					

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Gunnoe	Wels	NORAA 42	830929	0641	N 25 48.2 W 080 17.6	29 Sept. 83	G W L F H

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
0630	N 25 48.2 W 080 17.6	4	N SAME W 17.5		N SAME W 17.6		BLK.
0640	N 25 48.0 W 080 18.0	4	47.9 18.1		18.2		1/0. Hwy 9L 087.4 &
0912:00?		10	N 34 33.2 W 071 12.3		N 34 33.1 W 071 13.2	IS	PASS #1 QF 028 Both
1026:00?		10	N 35 05.0 W 071 17.5		N 35 04.6 W 071 18.9	IS	Lat W/V PASS #2 QF 028 Both
1146:50		10	N 34 57.0 W 071 25.1		N 34 57.1 W 071 27.0	IS	PASS #3 QF 026
1401							PASS #4 INE. Winds Very L
1411:20		10	N 34 19.9 W 072 20.7		N 34 20.2 W 072 21.9	IS	2 KTS 9 Under QF 026 Both
1535:17		10	N 28 47.0 W 075 27.0		N 28 47.2 W 075 28.6	IS	QF 026 Both
1700		4	N 25 48.9 W 080 17.6		N 25 49.2 W 080 19.6		Ldy 9L. MEA 7
1704	N 25 48.2 W 080 17.6	4	N 25 49.1 W 080 17.2	-0.9 +0.4	N 25 49.5 W 080 19.1	-1.3 -1.5	BLK. Rgs 0 1

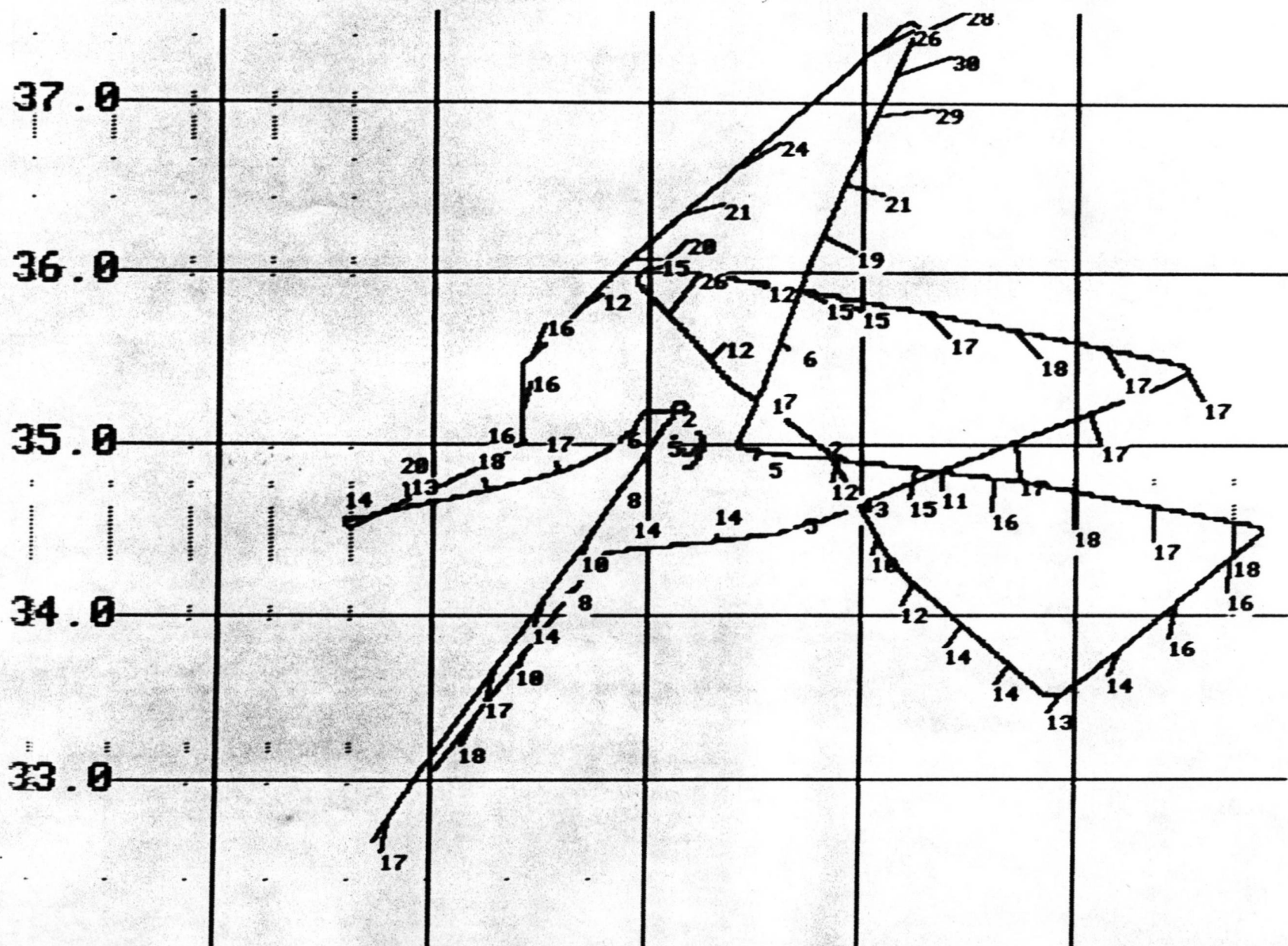
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	Δ T (2)(1)	TERMINAL ERRO		
				ELAPSE ALIGN POST TIME					LAT	LONG	G
INS 1	0445	✓	✓		0	0614	1704	10.8	-0.9	+0.4	
INS 2 or IMU	0445	✓	✓		0	0614	1704	10.8	-1.3	-1.5	

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

74 0 73 0 72 0 71 0 70 0
8:41:11 830929 RFC FTRK 14:36:25



FLIGHT TECH: Berles/StoneFLIGHT I.D.: 830929H-1AIRCRAFT: N42RFMISSION: T.S. DeanTIME: (Pre-Flt) 0500Z(Take-Off) 0640Z(Land) 1700Z

SYSTEM			PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
	ALIGN PI	AID			LAT	LOX	GS
NAV	INE1		✓		-0.9	+0.4	0
	INE2		✓		-1.3	-1.5	1
	ONE		✓				
	DOPLR		✓ cym				
RAD	INTEGRATION(PRI'S)						
	NOSE		✓				
	L/F	15	(1) ✓				
	TAIL	63	✓				
R	DATA SYSTEM		✓	(8)	#TAPES: 1		
RAMS DATA SYSTEM			(2) ✓	(6)			
TEMP	CAL HI	CAL LO	AMBIENT		CAL HI	CAL LO	
TEMP #1	31.8	-28.8	24.9		29.6	-30.4	
TEMP #2	31.4	-28.4	24.7		29.0	-29.9	
DEW POINT (CLEANED:Y/N) ✓			16.9				
ATTACK ANGLE			✓				
SLIP ANGLE			✓				
ABSOLUTE PRESSURE			✓				
DIFFERENTIAL PRESSURE			✓				
RDR ALTM. S/N: 71-02			✓				
J&W			✓				
PMS	OAP 2D-C		✓	(4)			
	OAP 2D-P		✓	(5)			
	FSSP-100		✓				
	DATA SYSTEM		✓		#TAPES: 7		
FOIL IMPACTOR			NI		#INCHES:		
ICE RATE DETECTOR			✓				
CO2 RADIOMETER			✓				
MICROWAVE RADIOMETER			NI				
SURFACE RADIOMETER			✓				
SEEDER			NI				
GUST PROBE			NI				
ASDL (TEST TRANSMISSION)			✓		(3)	#MESSAGES:	
HARD COPY			✓		(4)		
CLEAN MAG TAPE HEADS			✓				
PHOTO	RATE		(COUNTS)		(COUNTS)		
	FORWARD	1/5	00	10362	17012	4623	
	VERTICAL	1/1	NI				
	RIGHT SIDE	1/5	00	10362	"	4628	
O	LEFT SIDE	1/5	00	10362	"	4627	
AXBT SYSTEM			NU				
ODW SYSTEM			NU				
AXBT EXPENDABLES: #ON BOARD:			0	#DROPPED:	#GOOD:		
DROPSONDES: #ON BOARD:			0	#DROPPED:	#GOOD:		
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

- (1) L.F. ANT. TURNING BACKWARDS. CHANGED ASEU.
- (2) RAMTER STOPPED ACCEPTING COMMANDS. RESEATED PCB'S.
- (3) ASDL KEYBOARD NOT COMMUNICATING. RESTARTED CPU2, NOW COMMUNICATES OK BUT "RAM SYSTEM DOWN" MESSAGE EVERY 20 SEC. & OCCASIONAL "CHECKSUM ERROR" MESSAGE. NO DATA GETTING THRU. SWITCHED 9902'S #13 & #15, NO IMPROVEMENT. XMTR OFF AT 0913Z.
- (4) 0903Z. 2DC UPDATES CONTINUOUSLY, TURNED OFF.
- (5) 0903Z. 2DP ELEMENT 18 & ELEMENT 1 OUT INTERMITTENTLY.
- (6) 1215Z. STRONG BURNING ODOR AT 54, CPU1 WENT OUT TO LUNCH. NO SOURCE FOUND, CPU1 RESTARTED OK.
- (7) 1440Z. HARD COPY WILL NOT PRINT.
- (8) OCCASIONAL DSC 2 TIMEOUTS.