

RFF-10 WORK FORM
(8 - 72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
RESEARCH FLIGHT FACILITY
MIAMI, FLORIDA

FLIGHT LOG

AIRCRAFT
N4212F

FLIGHT NO.
64-83

FLIGHT ID
830929H1

DATE
29 Sept 1983

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

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 HRD. 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

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	PROJ. NAME
Gunnoe	WELs	NOAA 42	83.0929	0641	N 25 48.2 W 080 17.6	29 Sept 83	⑤ DICK

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. Rwy 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	Late 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 YuyL 2KTS 9 Under
1411:20		10	N 34 19.9 W 072 20.7		N 34 20.2 W 072 21.9	IS	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 19.5		Ldy 9L. MEA D
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

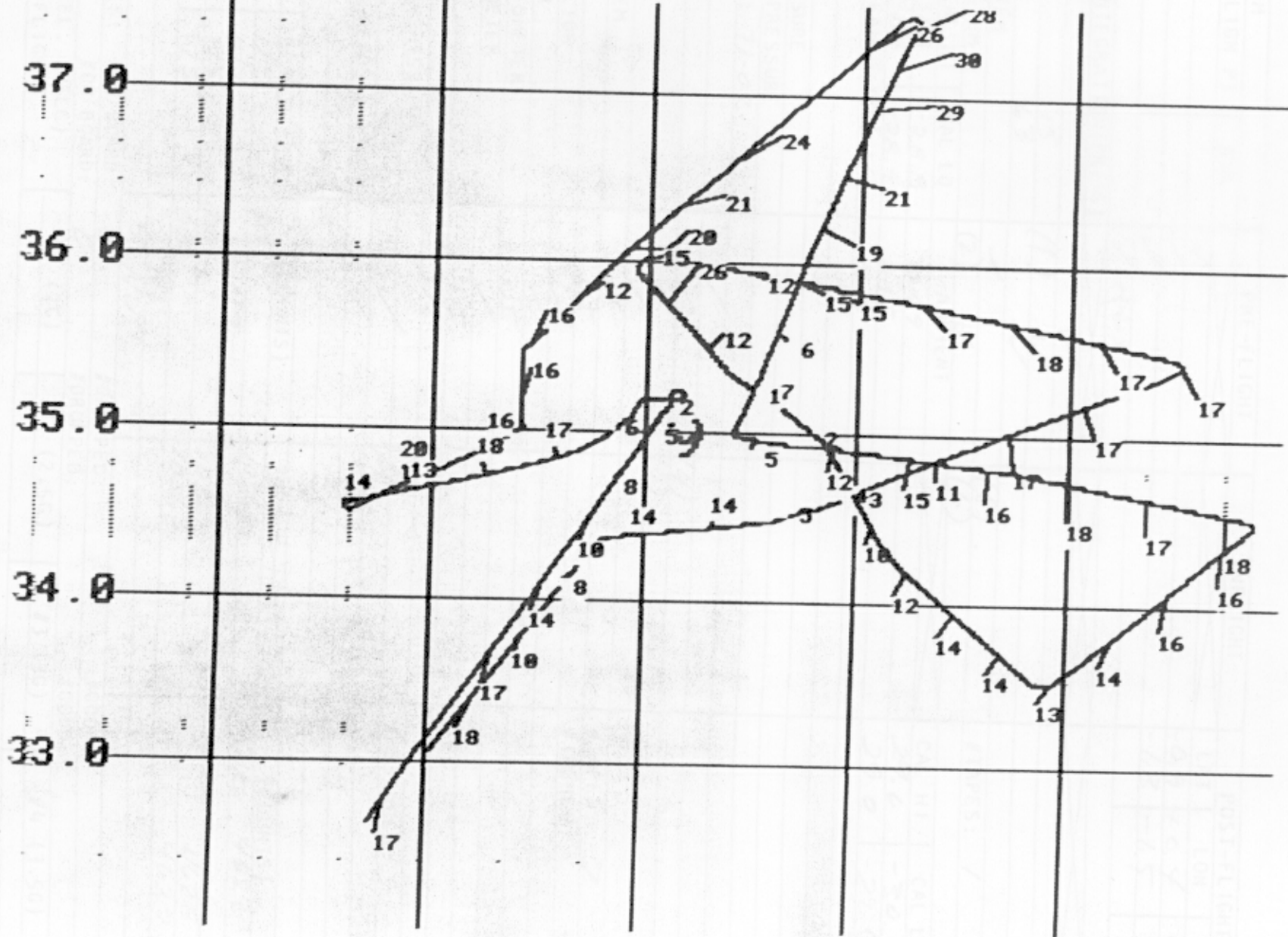
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	Δ T (2)(1)	TERMINAL ERRO		
				ELAPSE ALIGN POST TIME					LAT	LONG	G
INS 1	0445	✓	✓		0	0614	1704	10.8	-0.9	+0.4	
INS 2 or IMU	0445	✓	✓		0	0614	1704	10.8	-1.3	-1.5	

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



PILOT TECH: Perles/Stone

FLIGHT I.D.: 830929H-1

AIRCRAFT: N42RF

MISSION: T.S. Dean

TIME: (Pre-Flt) 0500Z

(Take-Off) 0640Z

(Land) 1700Z

SYSTEM			PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
NAV	INE1		✓		LAT	LON	GS
	INE2		✓		-0.9	+0.4	0
	ONE		✓		-1.3	-1.5	1
	DOPLR		✓ <i>cpm</i>				
R	INTEGRATION(PRI'S)						
A	NOSE		✓				
D	L/F	15	(1) ✓				
A	TAIL	63	✓				
R	DATA SYSTEM		✓				
RAMS DATA SYSTEM			(2) ✓	(8)	#TAPES: 1		
TEMP	CAL HI	CAL LO	AMBIENT				
TEMP #1	31.0	-28.8	21.9		CAL HI	CAL LO	
TEMP #2	31.4	-28.4	21.7		29.6	-30.4	
DEW POINT (CLEANED:Y/N) <i>N</i>			16.9		29.0	-29.9	
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		✓				
FOIL IMPACTOR			NI		#TAPES: 7		
ICE RATE DETECTOR			✓		#INCHES:		
CO2 RADIOMETER			✓				
MICROWAVE RADIOMETER			✓				
SURFACE RADIOMETER			NI				
SEEDER			✓				
GUST PROBE			NI				
ASDL (TEST TRANSMISSION)			NI				
HARD COPY			✓	(3)	#MESSAGES:		
CLEAN MAG TAPE HEADS			✓	(1)			
PHOTO		RATE	(COUNTS)			(COUNTS)	
	FORWARD	1/5	00		10362	17012	4623
	VERTICAL	N/I	NI				
	RIGHT SIDE	1/5	00		10362	"	4628
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

. F. ANT. TURNING BACKWARDS. CHANGED ASEU.

830929H-1

RAMTER STOPPED ACCEPTING COMMANDS. RESEATED PCB'S.

ASDL KEYBOARD NOT COMMUNICATING. RESTARTED CPU, 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.

PROPOSED FLIGHT OPERATIONS 10 +

1204 THE DATE 1700

0930Z THE TIME 0939

10 + 34 FLIGHT TIME 02 21

PILOT IN CHARGE		FLIGHT PERSONNEL		WEATHER CREW		OTHERS	
NAME	GRADE	NAME	GRADE	NAME	GRADE	NAME	GRADE
Ames	Major	Kerrick		Blaskby		Fair	
Carleton	Major	Boyles		Hicks			
Johnson		Stans		Conat			
Lee				Kobler			

PLN TO VICTORY OF 35.00, 718 W TO T'S. AREA 0915Z
 For responsibility. Fly flight pattern for HED. Return
 to base.

ACTUAL WORK AND REMARKS
 1126 - lost OMEGA. Do ASDL all trip, made computer problem
 windy.
 mission, as planned. Storm had very broad, ill defined in
 center - highest winds to south.

DATA COLLECTED AND REMARKS