

RFF-10 WORK FORM (8-72)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		AIRCRAFT N43RF	
FLIGHT LOG				FLIGHT NO. 46-83	
				FLIGHT ID 830928I	
				DATE SEP 28, 83	

TAKE OFF (City or airport) MIA	LAND (City or airport) MIA	ALTITUDE 300, 1000, 5K
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PURPOSE: SAIL - RESEARCH - GULF STREAM + T.S. DEAN

PROPOSED TAKEOFF TIME: 1300Z	PROPOSED FLIGHT DURATION: 8 HRS
TIME IN: 2220Z	TIME ON: 2213Z
TIME OUT: 1320Z	TIME OFF: 1334Z
BLK. TIME: 9:00 HRS	FLIGHT TIME: 8:39 HRS

FLIGHT PERSONNEL					
OPERATIONS CREW		WEATHER CREW		VISITORS	
TURNER	CALVERT	DAVIS	SCHRIEKER	TATNALL	TOMCHAY
NOBLE		DEVIVO			ROSS
ADAMS		MILANDER			McLEISH
FLEURY		GOLDSTEIN			MAUL

PROPOSED MISSION
STAR OYER GULF STREAM + T.S. DEAN AS REQUIRED BY P.I.

ACTUAL MISSION AND REMARKS
AS PLANNED
5 POSIT 34°28'N 70°35'W AT 1904Z
SLP 1001MB WND 085°/45KTS

DATA COLLECTED AND REMARKS
1 STDFLT LVL TAPE; 10 AXBT; LS, RS C/D FILM

INFO

RFC/SIG FLIGHT PERFORMANCE LOG

FLIGHT TECH: ASC/TLS/SRC

FLIGHT I.D.: 830928I

AIRCRAFT: N432F

MISSION: T.S. DEAN RESEARCH

TIME: (Pre-Flt) 1200Z

(Take-Off) 1334Z

(Land) 2213Z

SYSTEM				PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
		ALIGN PI	AID			LAT	LONG	GS
NAV	INE1	1	Y	✓	①	-9.3	+6.8	2
	INE2	4	Y	✓		-0.3	+0.0	2
	ONE			✓	②			
	DOPLR			✓				
RAD	INTEGRATION(PRI'S)							
	NOSE			✓				
	L/F			NU				
	TAIL			✓				
R	DATA SYSTEM			② NU				#TAPES:
RAMS DATA SYSTEM				③ ✓	⑥⑦			
TEMP	CAL HI	CAL LO		AMBIENT		CAL HI	CAL LO	
TEMP #1	30.5	-30.2		25.4 ✓		30.4	-30.1	
TEMP #2	31.0	-30.3		25.5 ✓		30.9	-30.1	
DEW POINT (CLEANED:Y/N)				N	18.8 ✓			
ATTACK ANGLE				✓				
SLIP ANGLE				✓				
ABSOLUTE PRESSURE				✓				
DIFFERENTIAL PRESSURE				✓				
RDR ALTM. S/N: SN-1				✓				
J&W				✓				
PMS	OAP 2D-C			NI				
	OAP 2D-P			NI				
	FSSP-100			NI				
	DATA SYSTEM			NU				#TAPES:
FOIL IMPACTOR				NI				#INCHES:
ICE RATE DETECTOR				NI				
CO2 RADIOMETER				NI				
MICROWAVE RADIOMETER				NI				
SURFACE RADIOMETER				✓				
SEEDER				NI				
GUST PROBE				NI				
ASDL				✓				#MESSAGES:
CLEAN TAPE HEADS				✓				
RSMT WING TIP XDWERS				✓				
NOSE RADAR RECORDING				✓				
DOPPLER				④				
P		RATE		(COUNTS)				(COUNTS)
H	FORWARD	1/5		⑤				
O	VERTICAL	HASSELBAD						
T	RIGHT SIDE	1/5		⑥				5578
O	LEFT SIDE	1/5		⑦				6270
AXBT SYSTEM				⑧ ✓	⑧			
ODW SYSTEM				NU				
AXBT EXPENDABLES: #ON BOARD: 10				#DROPPED: 10	#GOOD: 10			
DROPSONDES: #ON BOARD: 4				#DROPPED: 0	#GOOD: -			
CUMMULATIVE ACCEL. (MELC)				#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)	
(LOG AT END OF FLIGHT)								

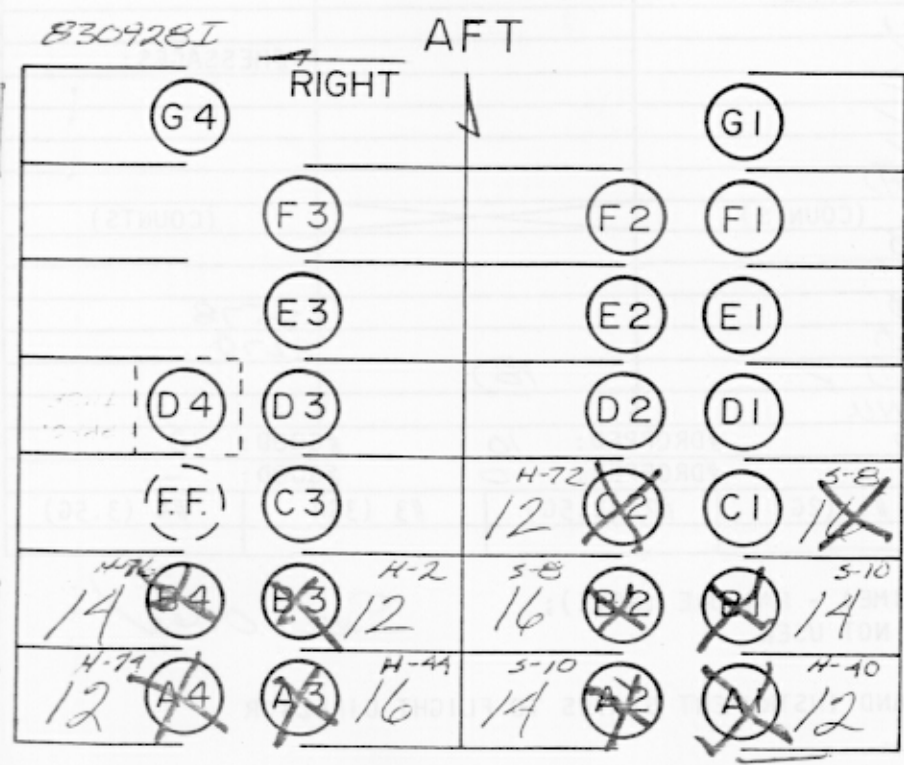
CODE: ✓ - OPERATIONAL; X(#) (TIME) - FAILURE (NOTE);
 NI - NOT INSTALLED; NU - NOT USED

USE REVERSE SIDE FOR NOTES.

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

See over!

- ① AXPT - RCV #3 WEAK CH 16 (discarded RCV-OK)
- ② RADAR DATA SYSTEM - CPU HALTS AFTER EACH INSTRUCTION
- ③ NEW DATA PROGRAM INSTALLED - RAMP TEST SIGNAL ON AD26 AND 1801
- ④ DOPPLER - TAPE DECK - BLOWN FUSE - REPLACED - OK
- ⑤ ~~ADD "WALK AROUND" TO CHECK LIST~~
- ⑥ CPU#1 MALE @ 1510 - CRT 10411 INTR AT $\approx 1/\text{SEC}$ RATE RELOADED OK
- ⑦ CPU#1 HALT @ 1547 RELOAD OK
- ⑧ HKRT - HOOK UP AUDIO TO INTERPHONE SYSTEM
- ⑨ INE#1 Disconnected in flight



A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
TURNER	ADAMS	N43RF	830928	1334	KMIA N25-48.3 W080-17.6	28 Sept 1983	SAIC / DEA

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
1322	25-48.4 80-17.3	4	25-48.7 080-17.3	-3 +2	25-49.1 080-17.2	-7 +3	Block out
1334	25-48.1 080-17.2	4	25-48.3 080-17.1	-2 +1	25-48.6 080-17.1	-5 +1	T. off
143105	28-32.6 81-20.1	2	28-34.3 81-19.7	-1.7 +4	28-34.5 81-19.9	-1.9 +2	MOT ORLANDO
1456	30-27.0 81-33.9	2	30-28.1 81-33.1	-1.1 +8	30-27.6 81-33.0	-6 +9	MOT Jay
1532							c/c 330
1541	P+5 31-00 79-32						c/c 000
160330	P+6						c/c 000
1621	P+7						
1905			34-30.4 70-32.2		34-28.4 70-35.0		
2213	25-48.1 080-17.3		25-57.3 080-10.5	-9.2 +6.8	25-48.4 080-17.4	-3 -1	Land
2219	25-48.3 080-17.6		25-57.6 080-10.8	-9.3 +6.8	25-48.6 080-17.6	-3 +0	Block in

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	G
INS 1	1200?	✓	✓	—	1	1230?	2218	9.8	-9.3	+6.8	2
INS 2 or IMU	1200?	✓	✓	—	4	1230?	2218	9.8	-9.3	+0.0	2

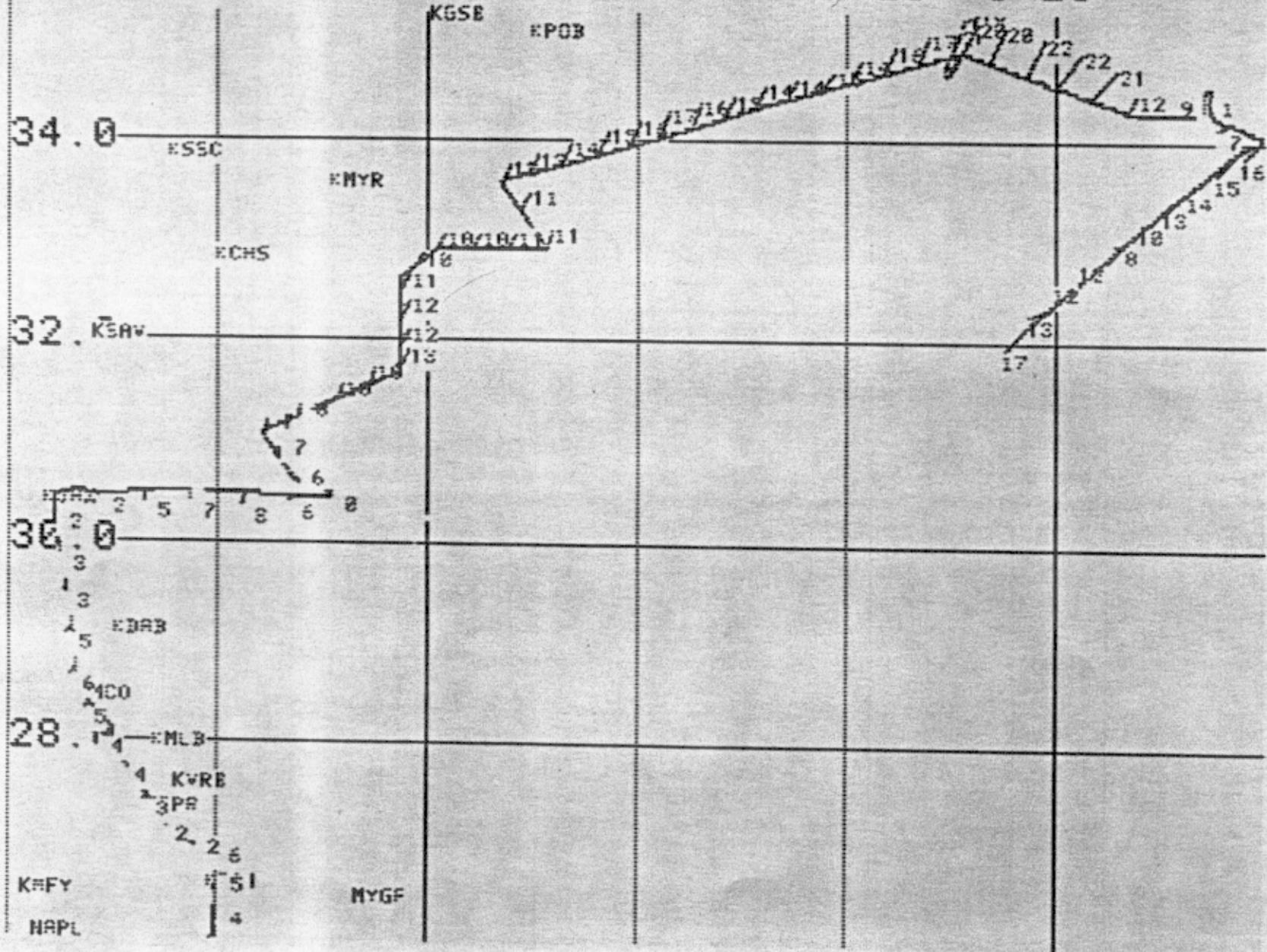
ALIGN REMARKS: T:1735 Warn lights on both JNE'S - #1 Disconnected.

OTHER REMARKS:

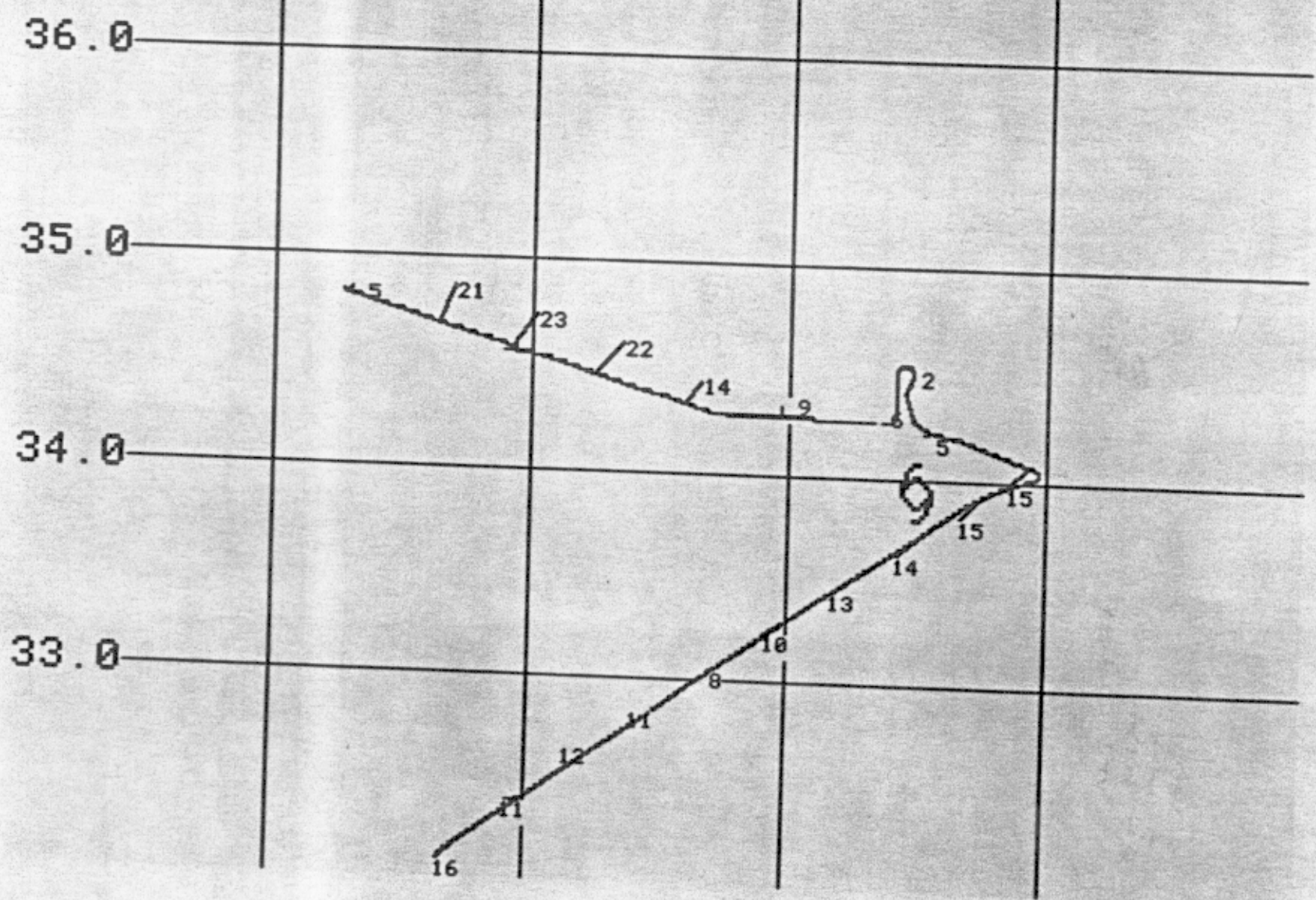
TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL (10) OMEGA - INERTIAL

34.021
70.084

00 0 70 0 70 0 74 0 77 0
13:27:21 830928 RFC FTRK 20: 3:23



73 0 72 0 71 0 70 0
18:30:21 830928 RFC FTRK 20: 2:33 69



00 0 74 0 77 0
13:27:21 830928 RFC FTRK 22: 0:18

