

19830928I. FDIR

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.	
				FLIGHT ID 830928I	
				DATE SEP 28 83	
TAKE OFF (City or airport)		LAND (City or airport)		ALTITUDE	
PURPOSE NHC - D Ross. GULF STREAM. DEAN (Fly Thru)					
PROPOSED TAKEOFF TIME: 1300Z			PROPOSED FLIGHT DURATION: 8 HRS		
TIME IN: 0500Z			TIME ON:		
TIME OUT: 1300Z			TIME OFF: 1300Z		
BLK. TIME: 900 HRS			FLIGHT TIME:		
FLIGHT PERSONNEL					
OPERATIONS CREW		WEATHER CREW			VISITORS
TURNER	CALVERT	DAVIS	SCHRIKKER	TATNALL	ROSS
NOBLE		DEVIVO			MCLEISH
ADAMS		MILAUDE			MAUL
FLEURY		GOLDSTEIN			
PROPOSED MISSION @ 1904 ~ 1 HR.					
ACTUAL MISSION AND REMARKS See copy #2					
DATA COLLECTED AND REMARKS					

RFC/SIG FLIGHT PERFORMANCE LOG

FLIGHT TECH: ASG/TLS/SRCFLIGHT I.D.: 830928TAIRCRAFT: N432FMISSION: T.S. DEAN RESEARCHTIME: (Pre-Flt) 1200Z(Take-Off) 1334Z(Land) 2213Z

SYSTEM				PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
		ALIGN PI	AID			LAT	LONG	GS
NAV	INE1	1	Y	✓	⑦	-9.3	+6.8	2
	INE2	4	Y	✓		-0.3	+0.0	2
	ONE			✓	⑦			
	DOPLR			✓				
RADAR	INTEGRATION(PRI'S)							
	NOSE			✓				
	L/F			NU				
	TAIL			✓				
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				
PHOTO		RATE		(COUNTS)				(COUNTS)
	FORWARD	1/5		④				
	VERTICAL	HASSELBAD						
	RIGHT SIDE	1/5		④				5578
	LEFT SIDE	1/5		④				6270
AXBT SYSTEM				① ✓	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 ~~WRT-RCV H-3~~ WEAK CH 16 (disregard RCV-OK)
- ② RADAR DATA SYSTEM - CPU HALTS AFTER EACH INSTRUCTION
- ③ NEW DATA PROGRAM INSTALLED - RAMP TEST SIGNAL ON AD26 AND B01
- ④ Doppler - TAPE DECK - BLOWN FUSE - REPLACED - OK
- ⑤ ~~WRT "WALK AROUND" TO CHECK LIST~~
- ⑥ CPU#1 HALT @ 1510 - WRT 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

830928I

AFT

RIGHT

(G4)			(G1)
	(F3)	(F2)	(F1)
	(E3)	(E2)	(E1)
(D4)	(D3)	(D2)	(D1)
(F.F.)	(C3)	H-72 12 (C2)	(C1) 5-8 12
H-72 14 (B4)	H-2 (B3) 12	5-8 16 (B2)	(B1) 14 5-10
H-72 12 (A4)	H-44 (A3) 16	5-10 14 (A2)	(A1) 12 H-40

RFF-10 WORK FORM (8-72) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA FLIGHT LOG		AIRCRAFT N43RF 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
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: 1300Z	TIME OFF: 1334Z	
BLK. TIME: 9:00 HRS	FLIGHT TIME: 8:39 HRS	
FLIGHT PERSONNEL		
OPERATIONS CREW	WEATHER CREW	VISITORS
TURNER CALVERT	DAVIS SCHRICKER	TATNALL TOMCHAY
NOBLE	DEVIVO	ROSS
ADAMS	MILANDER	MCLEISH
FLEURY	GOLDSTEIN	MAUL
PROPOSED MISSION SLAR 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 STDFT LVL TAPE; 10 AXBT; LS, RS CLO FILM		

INFO

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION KMIA	DATE	PROJ. NAME
TURNER	ADAMS	N43RF	830928	1334	NZ5-48.3 W080-17.6	28 Sept 1983	SAIL/ DEAN

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
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1322	25-48.4 80-17.3	4	25-48.7 080-17.3	-0.3 +0.2	25-49.1 080-17.2	-0.7 +0.3	Block out
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1334	25-48.1 080-17.2	4	25-48.3 080-17.1	-0.2 +0.1	25-48.6 080-17.1	-0.5 +0.1	T. off
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143105	28-32.6 81-20.1	2	28-34.3 81-19.7	-1.7 +0.4	28-34.5 81-19.9	-1.9 +0.2	MOT ORLANDO
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1456	30-27.0 81-33.9	2	30-28.1 81-33.1	-1.1 +0.8	30-27.6 81-33.0	-0.6 +0.9	MOT Jay
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1532							c/c 330
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1541	P+5 31-00 79-32						c/c 060
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160330	P+6						c/c 000
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1621	P+7						
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1905			34-30.4 70-32.2		34-28.4 70-35.0		9
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2213	25-48.1 080-17.3		25-57.3 080-10.5	-9.2 +6.8	25-48.4 080-17.4	-0.3 -0.1	Land
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2219	25-48.3 080-17.6		25-57.6 080-10.8	-9.3 +6.8	25-48.6 080-17.6	-0.3 +0.0	Block in
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SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS 0-6	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERROR		
									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	-0.3	+0.0	2

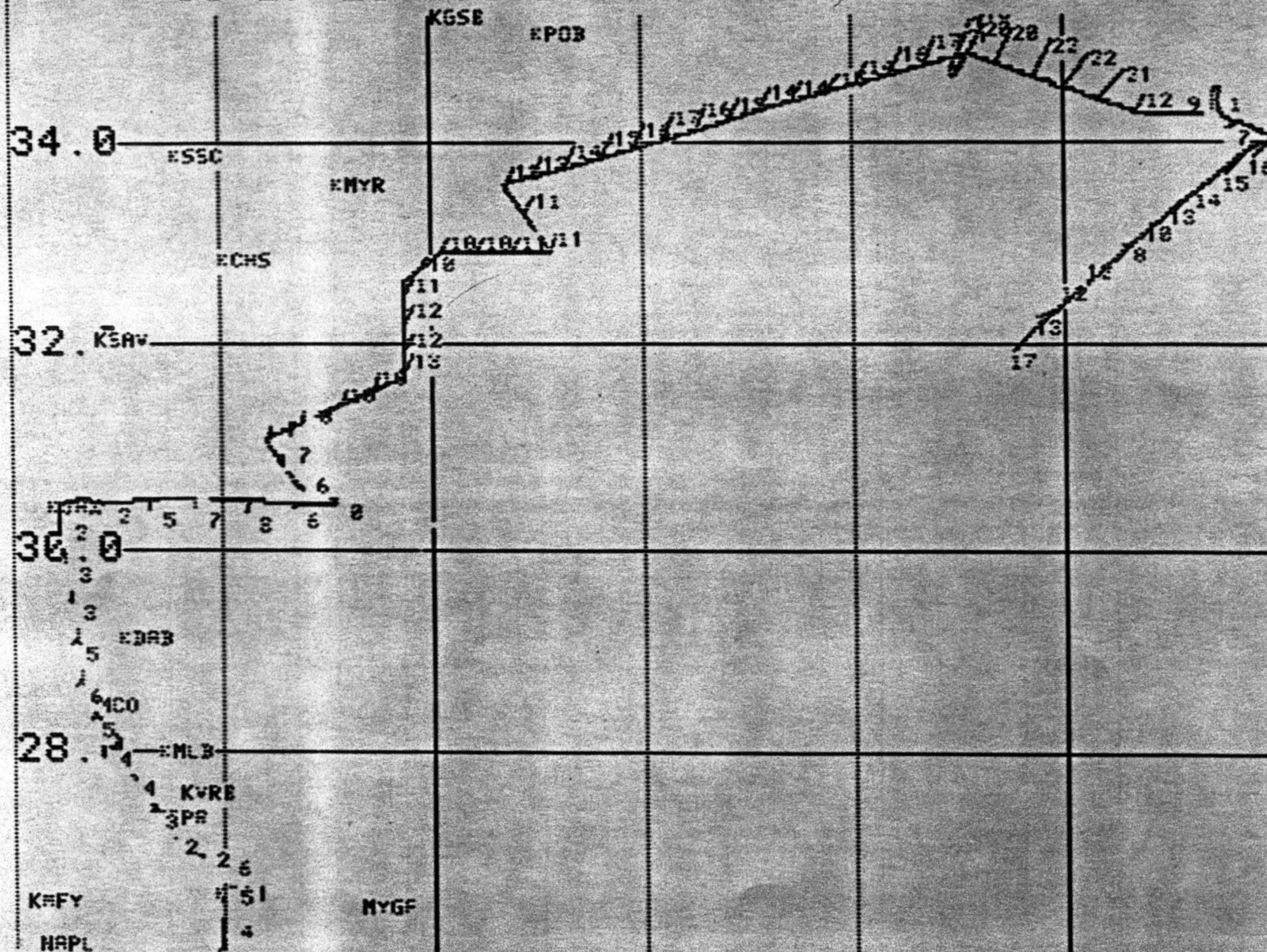
ALIGN REMARKS: T:1735 Warn lights on both JNE'S - #1 Disconned.

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 74 0 74 0 72 0
 13:27:21 830928 RFC FTRK 20: 3:23



01.0

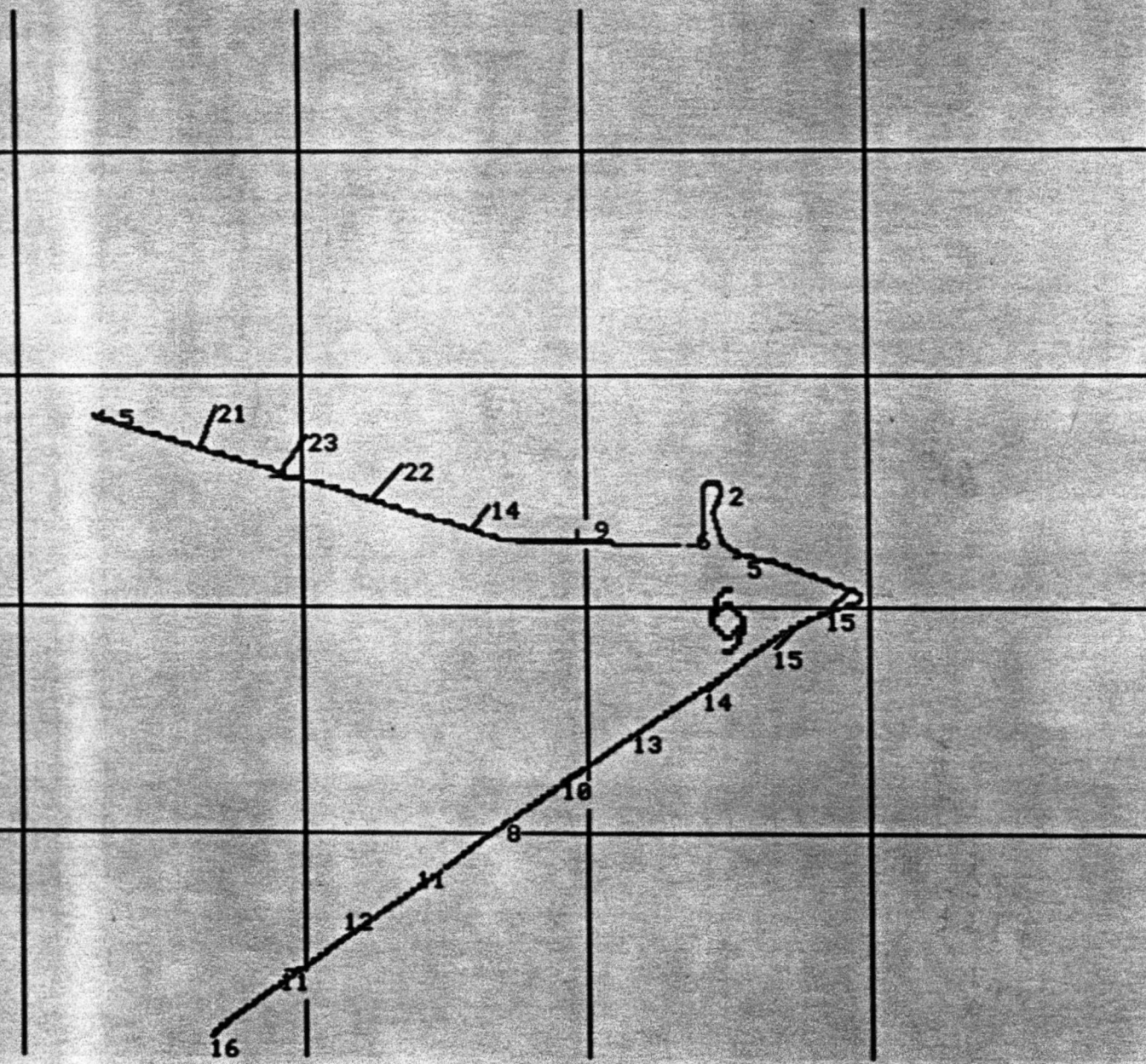
72 0 72 0 71 0 70 0 69
18:30:21 830928 RFC FTRK 20: 2:33

36.0

35.0

34.0

33.0



LOS ANGELES

34.0

32.0

30.0

28.0

KSSC

KSAV

KDAB

KCO

KHLB

KVRE

KPR

KAFY

HRPL

KGSE

KPOB

KMYR

KCHS

KYGF

11

12

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