19831010I1_FDIR

RFC-1 WORK FORM (7-76)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
RESEARCH FACILITIES CENTER
MIAMI, FLORIDA

FLIGHT LOG

AIRCRAFT	N43RF
FLIGHT NO.	2-84
FLIGHT ID	831010I
DATE	OCT 10 1983

TAKE OFF (City or airport)	LAND (City or airport)	ALTITUDE
MMGL	MMGL	5000 FT

PURPOSE

RESEARCH RAYMOND

PROPOSED TAKEOFF TIME:	1400 Z	PROPOSED FLIGHT DURATION:	8 HR
TIME IN:	2224	TIME ON:	2220
TIME OUT:	1339Z	TIME OFF:	1349Z
BLK. TIME:	8:45	FLIGHT TIME:	8:31

FLIGHT PERSONNEL

OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TURNER	CALVERT	DARBY		JORGENSEN	LEMONE
NOBLE		SCHRICKER		MARKS	
NELSON		DEMOTT		BOGERT	
RICCI		STONE		CHURCHILL	

PROPOSED MISSION

ACTUAL MISSION AND REMARKS

DATA COLLECTED AND REMARKS

7 C/P TAPES
2 SLOW
5

OAO/ERSG FLIGHT PERFORMANCE LOG

TECH CREW: Dug/Schricker/Stone FLIGHT ID: 831010I
AIRCRAFT: N43RF MISSION: RAYMOND
TIME: (PRE-FLIGHT) 1203Z (TAKE-OFF) 1349Z (LAND) 2221Z

SYSTEM		ALIGN PI	AID	PRE-FLIGHT	IN-FLIGHT	POST-FLIGHT LAT	LON	GS
N	INE1	1	A/D	✓		+1.2	-2.2	2
A	INE2	1	A/D	✓		+2.3	-2.4	5
V	ONE			✓				
	DOPLR			✓				
R	INTEGRATION (PRI'S)							
A	NOSE	N/A		✓				
D	L/F	15		✓				
A	TAIL	63		✓				
R	DATA SYSTEM			✓		# TAPES: 7		

TEMP	CAL HI	CAL LO	AMBIENT		CAL HI	CAL LO
TEMP #1	30.8	-30.0	17.9		30.4	30.9
TEMP #2	31.2	-30.1	18.3		-30.1	-30.2

DEW POINT (CLEANED: Y/N) N	12.6		
ATTACK ANGLE	✓		
SLIP ANGLE	✓		
ABSOLUTE PRESSURE	✓		
DIFFERENTIAL PRESSURE	✓		
RADAR ALTIMETER S/N: 1SN-1	✓		
J&W	✓		
SURFACE RADIOMETER	✓		
CO2 RADIOMETER	NI		
P OAP2D-C	✓		
M OAP2D-P	✓		
S FSSP-100	✓		
DATA SYSTEM	✓		# TAPES: 7
ICE RATE DETECTOR	NI		
NIMBIOMETER	NI		
RAMS DATA SYSTEM	✓	4) 6)	# TAPES(SLO): 2
CLEAN MAG TAPE HEADS	✓		# TAPES(FAST): 0
EXTERIOR WALK-AROUND	✓		
ASDL	✓		# MESSAGES: 16
ROSEMOUNT WING SENSORS	✓		
SLAR	NU		
DOPPLER RADAR	✓ ① ② ③		5 TAPES
HARDCOPY	✓		

P		RATE	(COUNTS)	ON TIME	OFF	(COUNTS)
H	1) FORWARD	1/5	00	1523Z ⑦	2001	1601
O	2) VERTICAL	NU				
T	3) LEFT SIDE	1/5	00	1523Z	2001	3343
O	4) RIGHT SIDE	1/5	00	1523Z	2001	3275

AXBT SYSTEM	NU			
ODW SYSTEM	NU			
AXBT EXPENDABLES:	# ON BOARD: 0	# DROPPED: 8		# GOOD: —
DROPSONDES:	# ON BOARD: 4	# DROPPED: 0		# GOOD: —

CUMMULATIVE ACCEL. (MELC) (LOG AT END OF FLIGHT)	#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)
	6062	6679	5966	2892

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) Doppler - LOG Video may be Saturating - Check!

(2) Re-adjusted CoHo

(3) Doppler - Tape drive Squeaks - Feed Reel a bit tight.

4) ADC #2 stopped INT. at take-off (13492) - Touched ADC card - OK.

(5) Contrast pot on Sim 7 Disp Board Monitor Needs cleaning

(6) 1530Z CPU 1 Halted, Reloaded. I/O switched 13 was left on from prior flt. Reload caused EOT & Rewind.

(7) Nose Cam Blew 28V fuse. Cam INOP

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ NAME
TURNER	NELS	NORA 43	831010	1349	N20 31.1 W103 18.8	10 OCT 83	RAYMP

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
1339	N 20 31.1 W 103 18.8	4	N W Same		N W Same		BIK.
1348	N 20 30.4. W 103 18.0	4.	N 20 30.4 W 103 18.2.		N 20 30.5 W 103 18.1		Rwy. 28 T/O ✓ TH 290.8
14 2313	N 19 12.0 W 104 34.1	2 9	N 19 10.8 W 104 35.5.	I Ω QF051	N 19 11.9 W 104. 36.3	I Ω QF051.	ABEAM @ 1 000/4.3 W/N
144310	N 18 11.8 W 106 00.0	2/10.	N 18 11.9 W 106 02.4	" QF051	N 18 13.7 W 106 02.4.	" QF051	MANZ. FI 18.5. 235/100 W/V
LS 3932		10	N 15 24.9 W 110 06.4	I Ω QF036	N 15 25.2 W 110 06.2	" QF036	FI. 19.5
16 2425		10	N 13 30.1 W 113 33.6	QF034	N 13 30.6 W 113 33.3	QF034	
170650		10	N 11 57.3 W 116 15.9	QF32	N 11 57.6 W 116 15.4.	QF32	5K. PASS #1
181329		10	N 12 33.1 W 114 54.0	QF032	N 12 34.0 W 114 54.1	QF032	5K. IN PB BOX PATTERN.
190200		10.	N 12 42.6 W 115 23.4	QF032	N 12 42.1 W 115 23.2	QF032	5K. IN TAS PAT.
203500		10	N 16 02.7 W 109 33.3	QF032	N 16 02.1 W 109 33.2	QF032	
215000	N 19 09.0 W 104 34.1	2/10	N 19 07.1 W 104 37.0	QF032	N 19 06.6 W 104 37.7	QF032	ZLO OVER FI. 23
2220	N 20 30.4 W 103 18.0	4.	N 20 Lost W 103		N 20 Lost W 103		Rwy 28

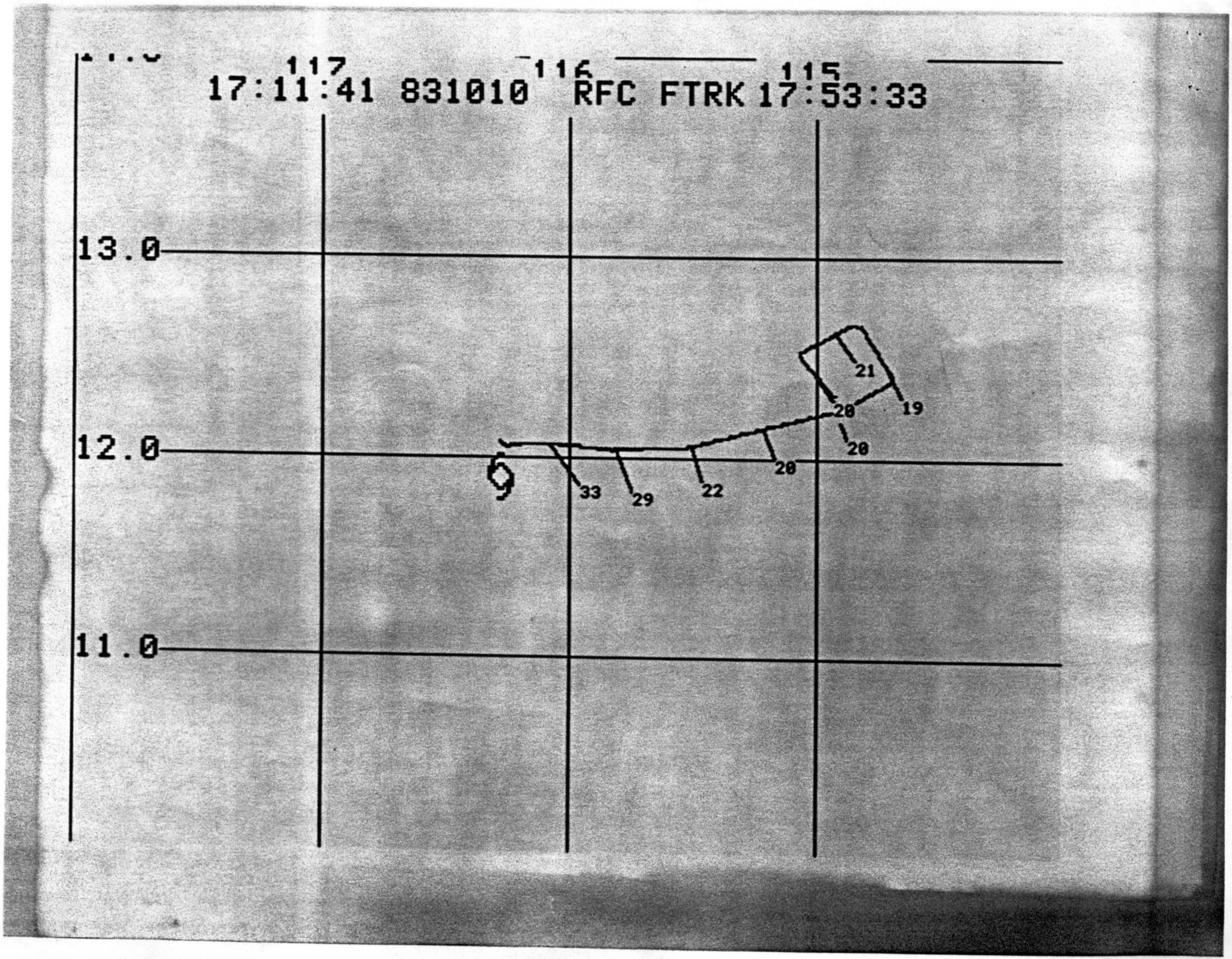
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE / ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRO LAT	LONG	G
INS 1	1225	Y	Y		1	1333	2225	8.9	+1.2	-2.2	
INS 2 or IMU	1225	Y	Y		1	1333	2225	8.9	+2.3	-2.4	

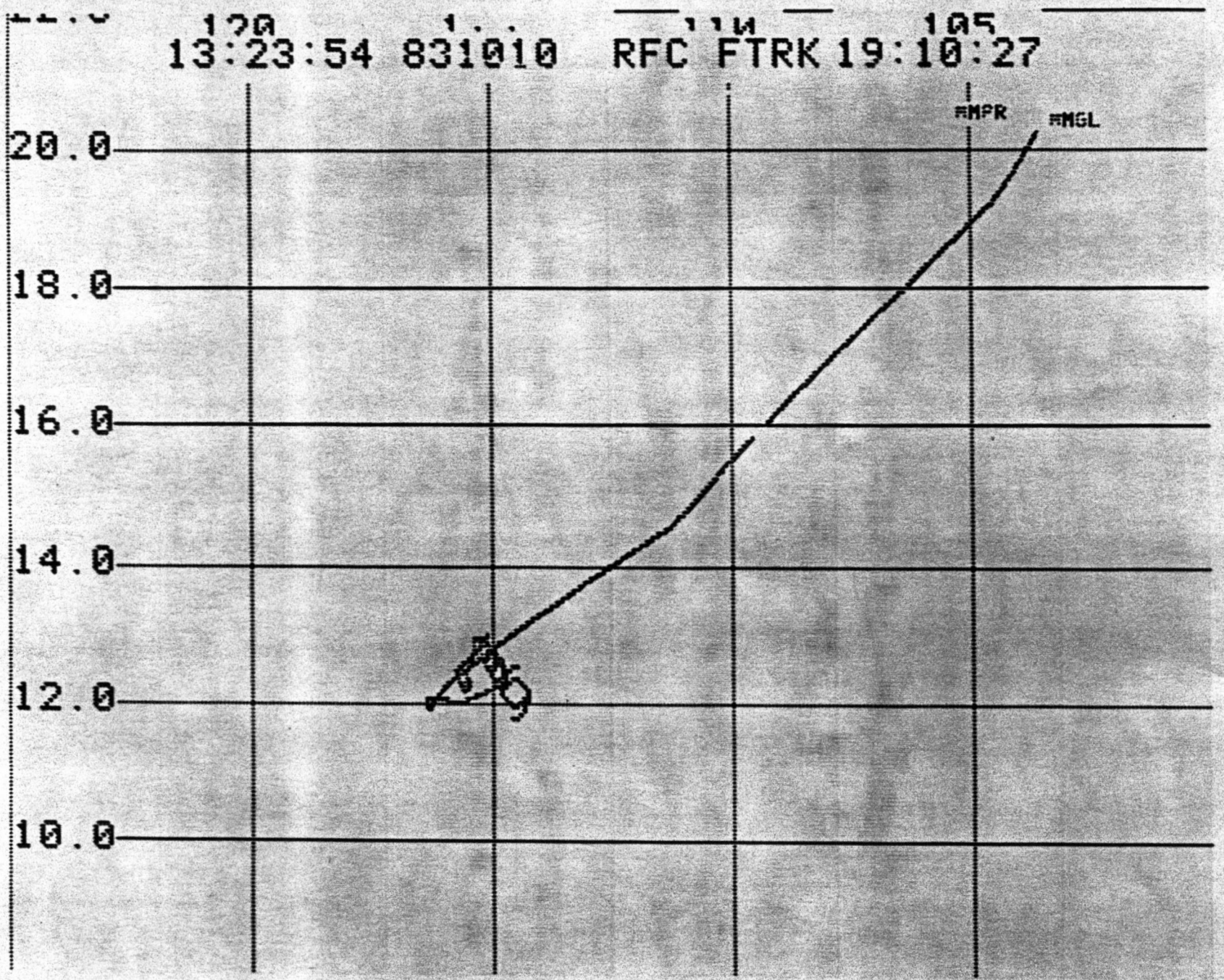
ALIGN REMARKS:

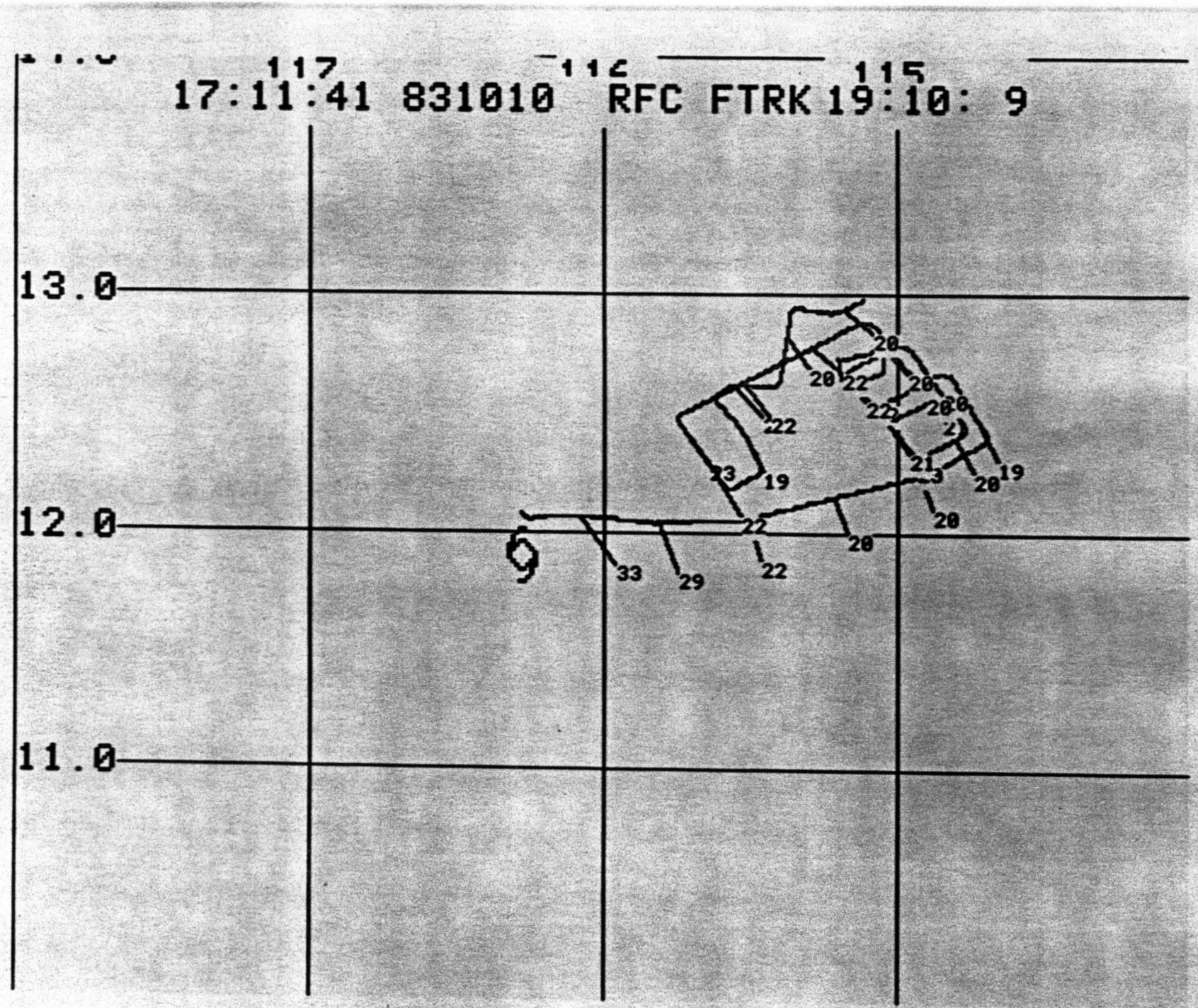
OTHER REMARKS:

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

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
2225	N 20 31.1 W 103 18.8	4	N 20 29.9 W 103 21.0	+1.2 -2.2	N 20 28.8 W 103 22.3	+2.3 -2.4	51K. 2 5


117
116
115
17:11:41 831010 RFC FTRK 17:53:33
13.0
12.0
11.0
21
20
19
20
20
33
29
22


13:23:54 831010 RFC FTRK 19:10:27
20.0
18.0
16.0
14.0
12.0
10.0
RMPR
RMGL


117
115
17:11:41 831010 RFC FTRK 19:10: 9
13.0
12.0
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