RFF-10 WORK FORM
(8 - 72)

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

FLIGHT LOG

ok

AIRCRAFT	N43RF
FLIGHT NO.	39-83
FLIGHT ID	830817I-1
DATE	AUG 17, 83
ALTITUDE	

TAKE OFF (City or airport)	LAND (City or airport)
MIA	MSY

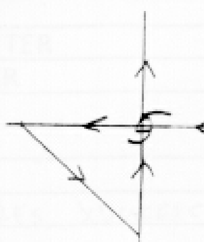
PURPOSE: HRD-RESEARCH-HURRICANE ALICIA

PROPOSED TAKEOFF TIME:	0100Z	PROPOSED FLIGHT DURATION:	9 HRS
TIME IN:	1015Z	TIME ON:	1010Z
TIME OUT:	0100Z	TIME OFF:	0110Z
BLK. TIME:	9:15 HRS	FLIGHT TIME:	9:00 HRS

FLIGHT PERSONNEL

OPERATIONS CREW		WEATHER CREW			VISITORS
TURNER	MOORE	DAVIS		JORGENSEN	WILLIS
MANDELKERN		GOLDSTEIN		LORD	BENKOE
SCHISSEL	HEBERT	SCHRICKER		GOLDENBERG	
RIGGI	NUNN	STONE		CHENG	

PROPOSED MISSION



3 PATTERNS, ROTATED 80° [illegible]
EACH [illegible]
[illegible]
[illegible]

ACTUAL MISSION AND REMARKS

AS PLANNED
6 PENETRATIONS
14 RECCO'S XMTD - 8 VORTEX MSG
17 0603Z 27°40'N 93°47'W SLP 929MB WIND 070/70KTS
17 0905Z 27°52'N 94°01'W SLP 485MB WND 060/75KT

℄ time 0645

DATA COLLECTED AND REMARKS

1 STD FLT LVL TAPE; 13 RADAR TAPES; 11 DOPPLER TAPES;
18 PMS TAPES
SOME ADG MALF
RADAR, DOPPLER PMS TAPES TO HRD
ISE INE 1 PDR1.5 + ALL GOOD

RFC/SIG FLIGHT PERFORMANCE LOG

T TECH: ASG/TLS — FLIGHT I.D.: 930817I -A

CRAFT: N43RF — MISSION: HURR ALICIA

IME: (Pre-Flt) 2300 (16 Aug) (Take-Off) 0110 Z (Land) 1010 Z

SYSTEM		ALIGN PI	AID	PRE-FLIGHT	INFLIGHT	POST-FLIGHT LAT	LON	GS
NAV	INE1		Y	✓		-2.5	-1.8	1
	INE2		Y	✓		-2.9	-0.9	11
	ONE			(1)				
	DOPLR			✓				
RADAR		INTEGRATION(PRI'S)						
	NOSE			✓				
	L/F			✓	(3)			
	TAIL			✓				
	DATA SYSTEM			✓	(5)	#TAPES: 13		
RAMS DATA SYSTEM				✓ ON 0052	(2) (6) (8)	OFF 1016		1-SLOW
TEMP	CAL HI	CAL LO		AMBIENT		CAL HI	CAL LO	
TEMP #1	30.4	-30.1		26.1 ✓		+30.7	-29.8	
TEMP #2	30.9	-30.2		26.9 ✓		+31.2	-29.8	
DEW POINT (CLEANED:Y/N) N				19.1 ✓				
ATTACK ANGLE				✓				
SLIP ANGLE				✓				
ABSOLUTE PRESSURE				✓				
DIFFERENTIAL PRESSURE				✓				
RDR ALTM. S/N: SN-1				✓				
J&W				✓				
PMS OAP 2D-C				✓				
PMS OAP 2D-P				✓				
PMS FSSP-100				✓	(9)	(10)		
PMS DATA SYSTEM				✓		#TAPES: 18		
FOIL IMPACTOR				NI		#INCHES:		
ICE RATE DETECTOR				NI				
CO2 RADIOMETER				NI				
MICROWAVE RADIOMETER				NI				
SURFACE RADIOMETER				✓				
SEEDER				NI				
GUST PROBE				NI				
ASDL				✓		#MESSAGES: 19		
RSMT WING PRES XDUCERS				✓				
DOPPLER				✓	(4)	11 tapes		
HARD COPY				✓				
PHOTO		RATE		(COUNTS)			(COUNTS)	
PHOTO FORWARD				NU (11)				
PHOTO VERTICAL				NU				
PHOTO RIGHT SIDE				NU				
PHOTO LEFT SIDE				NU				
AXBT SYSTEM				NU				
ODW SYSTEM				✓				

AXBT EXPENDABLES: #ON BOARD: 0 #DROPPED: #GOOD:

DROPSONDES: #ON BOARD: 8 #DROPPED: #GOOD:

CUMMULATIVE ACCEL. (MELC) (LOG AT END OF FLIGHT)	#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)
	8062	6679	5966	2892

(4) SIDE LOST FIT

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) NGFG FRONT PANEL SOMETIMES NOT WORKING

(2) ADCH/ INTERMITTENT BEFORE T.O - OK AFTER - THIS MAY BE A LONG FLT

(3) 0125Z L/F SN 103 STOPPED MODULATING — REPLACED WITH SN. M102 — OK

(4) ADJUSTED OFFSET (VIDEO) & RETUNED COHO — OFFSET STILL IS MARGINAL — UNIT IS OPERATIONAL.

(5) TIME CODE READER — DEFECTIVE DISPLAY SEGMENT.

(6) CPU-LINK OPEN. HRD PERSONEL TURNED OFF AN ADC. RESTARTED CPU 2. OPS NORMAL.

(7) CPU 1 HALTED, 0825Z, RELOADED, OPS NORMAL.

(8) LINE PRINTER RIBBON RIDES UP OUT OF GUIDE - REPLACE UNIT

(9) COUNTS ONLY IN CH 0 & 4

(10) LASER WOULD NOT FIRE ON GROUND.

(11) LENS ON NOSE CAMERA MOISTURE FOGGED (FOUND ON PRE-FLIGHT NEXT DAY)

A/C ...MMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ NAME
Turner	Schiessl	43RF	830817I	010954	Miami	17 Aug 83	Alec...

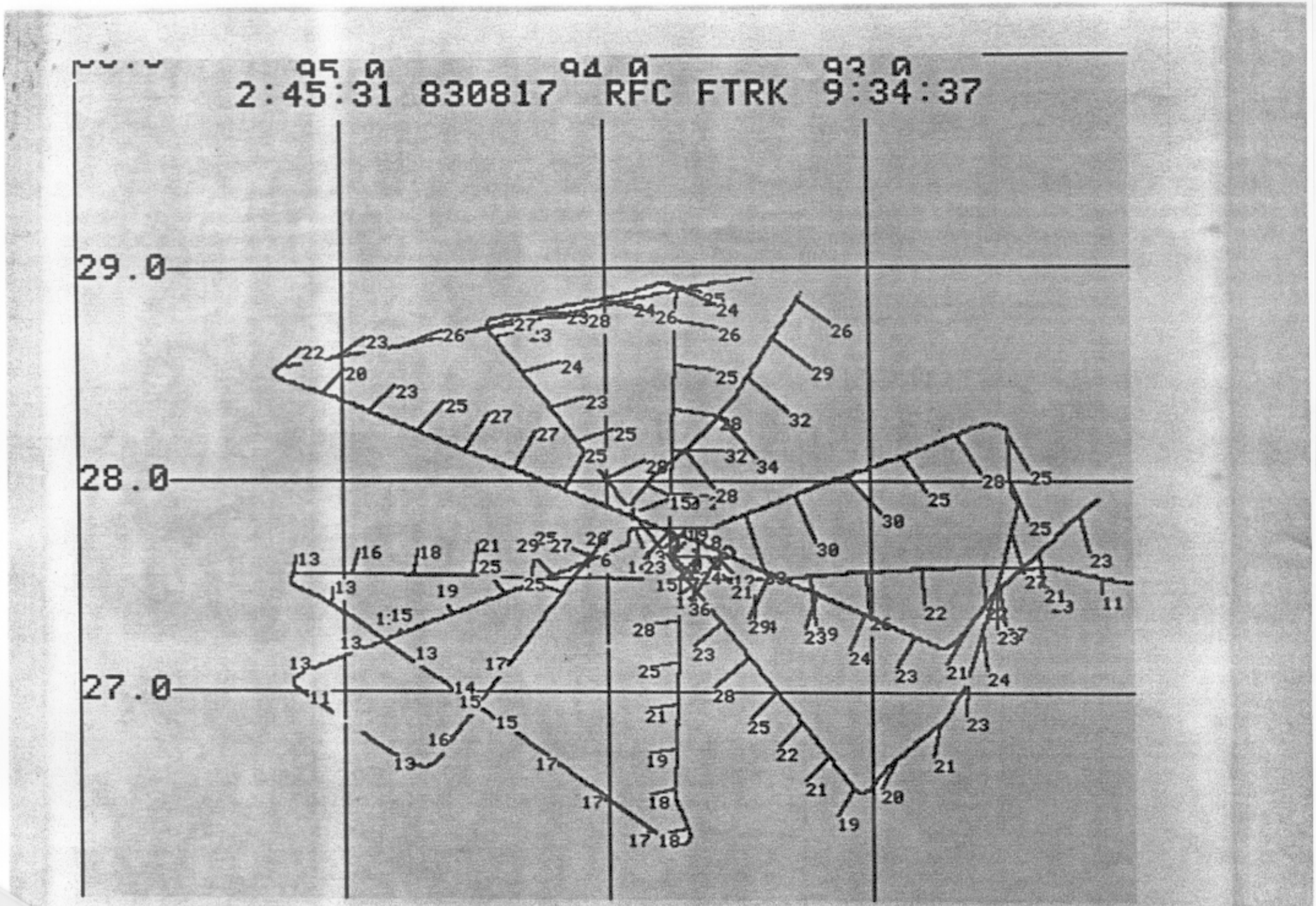
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
005920	25-4~~4~~8.2 80-17.6	4	25-48.2 80-17.6		25-48.4 80-17.5		BLOX
010954	25-48.2 80-17.6	4	25-48.7 80-17.6		25-48.3 80-17.0		Deselected STA's B,... T.O.
022515		10	26-01.8N 85-43.2W		26-00.9N 85-42.7W		MINNOW
031100		10	26-57.9 89-30.9		26-57.4 89-26.6		
040329		10	27-32.9 93-42.3		27-31.5 93-41.3		ALECIA
050827		10	2731.3 93-43.3		27-32.1 93-41.4		ALECIA
060228		10	27-40.1 934~~4~~6.6		27-40.8 93-46.6		ALECIA
0709 3½		10	27-43.9 93-55.1		27-44.9 93-52.8		ALECIA
075916		10	27-50.1 93-56.1		27-49.7 93-54.5		ALECIA
090155		10	27-54.6 94-02.7		27-54.6 94-03.4		ALECIA
1016	29-59.5 90-16.3	4	30-02.0 90-18.1	-2.5 -1.8	30-02.4 90-17.2	-2.69 -.9	G.S. #1 1 #2 1...

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											
INS 2 or IMU											

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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94.0
93.0
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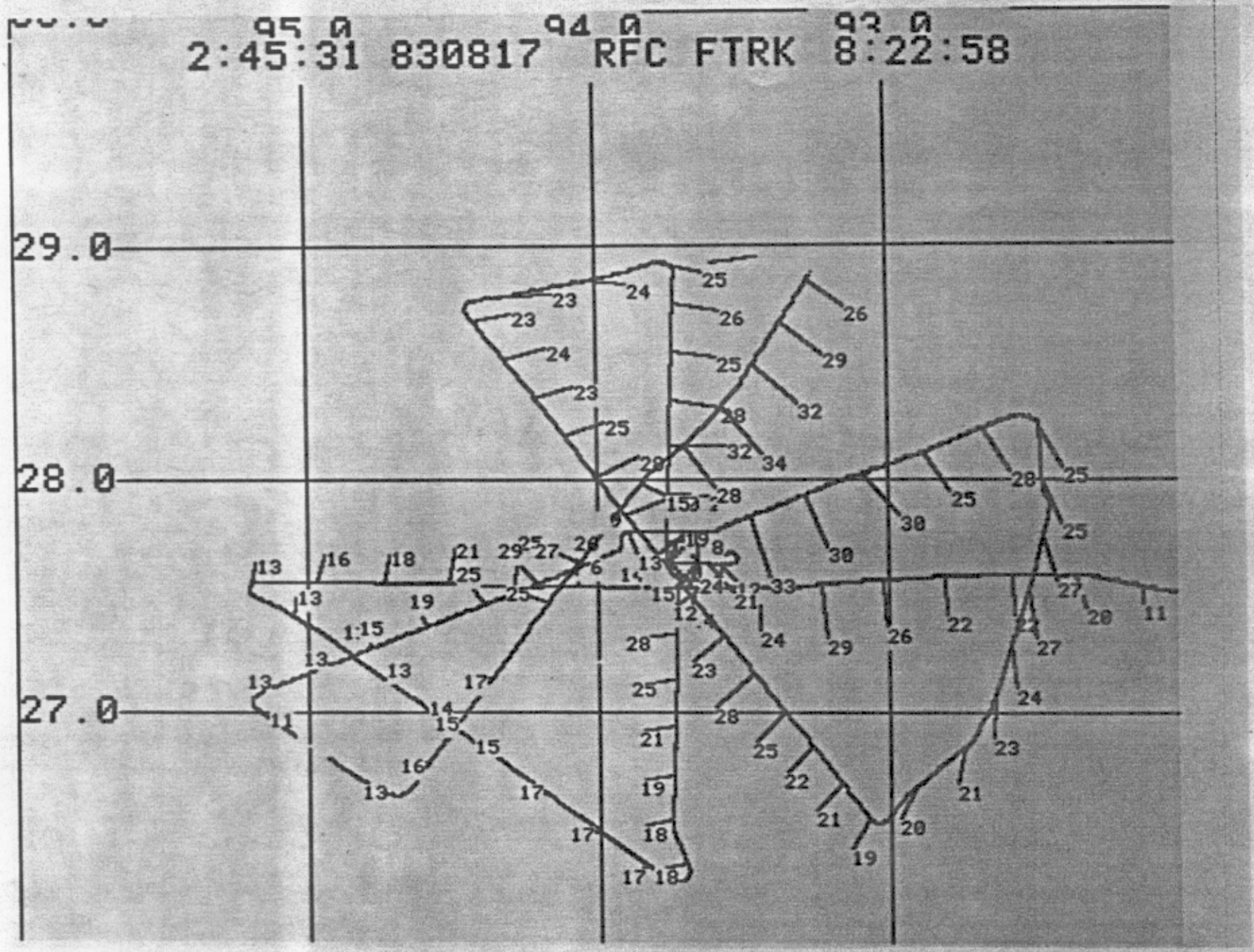
28.0
27.0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94.0
93.0
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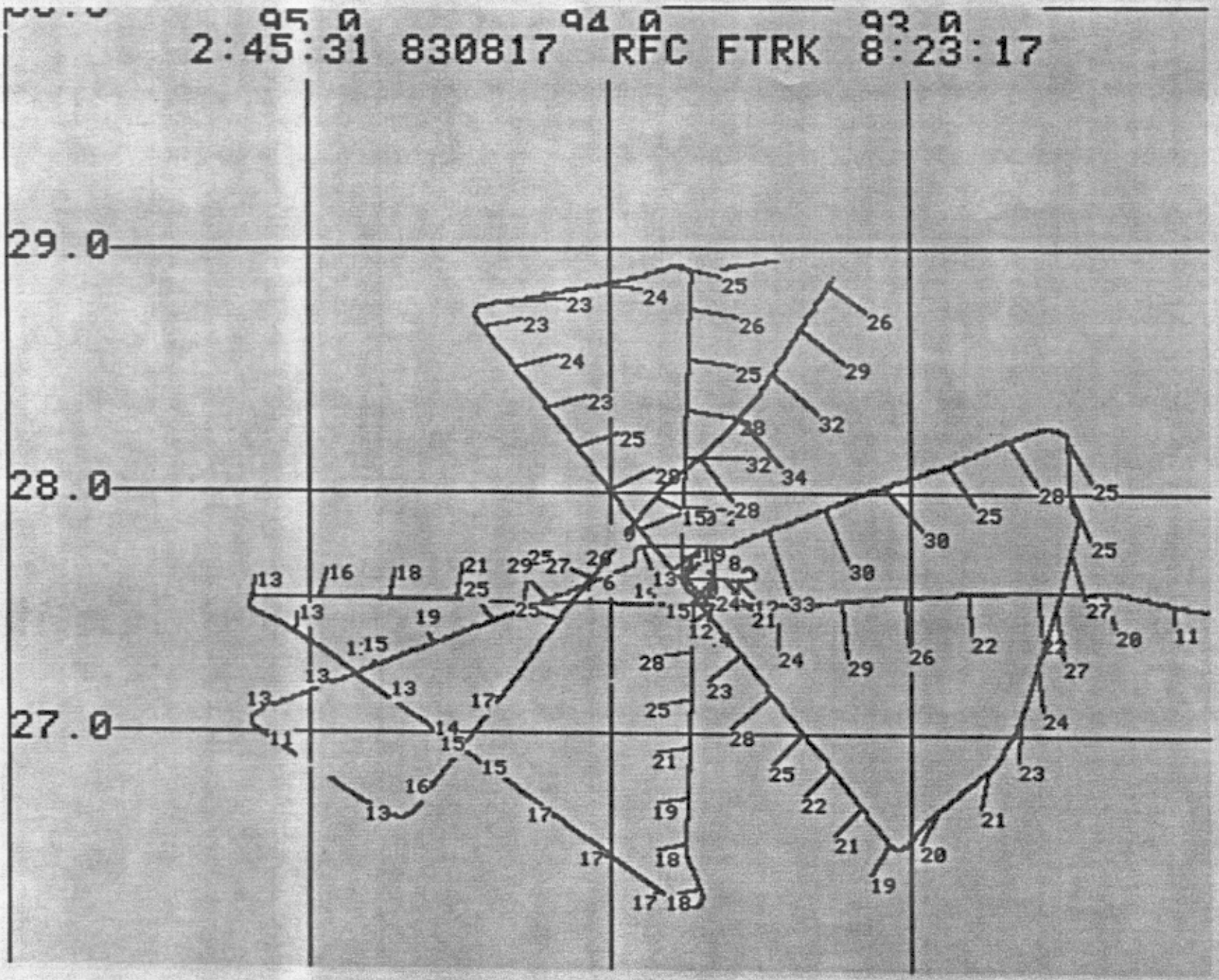
27.0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93.0
2:45:31 830817 RFC FTRK 8:23:17
29.0
28.0
27.0