

19830823I1-LPS

On-board Lead Project Scientist Checklist

DATE Aug 23 1983

AIRCRAFT 43

FLT 830823I1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>Jorgensen</u>	Gust Probe Navigator	<u>Nelson</u>
Cloud Physics	<u>Willis</u>	Omegasonde	
Doppler AXBT	<u>Lord</u>	Sys Eng	<u>Dugranvut</u>
Radar Hot Film	<u>Feinberg</u>	Data Tech	<u>Stone</u>
Radar	<u>Cheng</u>	El Tech	<u>Goldstein</u>
Flt Dir/Met	<u>Davis</u>	Commander Other Pilot	<u>Turner</u>

Take Off 1110 Z

Location Mia

Landing 2100

Location MIA

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP
<u>8-23</u> 102	<u>10 Z</u>	<u>24</u>	<u>77</u>	<u>1015</u>

C. Mission Briefing

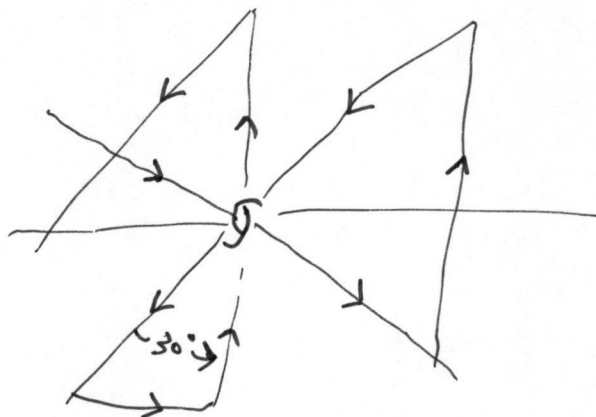
Fig '4' - Weak system, convection east
of center

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	<u>ok</u>	<u>ok</u>	<u> </u>	<u>Yes</u>
Radar	<u>ok</u>	<u>ok</u>	<u> </u>	<u>Yes</u>
Cloud Physics	<u>ok</u>	<u>No cloud probe</u>	<u> </u>	<u>Yes</u>
Data Sys	<u>ok</u>	<u>ok</u>	<u> </u>	<u>Yes</u>
Omegasondes	<u> </u>	<u> </u>	<u> </u>	<u> </u>
AXBT	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Gust Probe	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Hot Film	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Photography	<u> </u>	<u> </u>	<u> </u>	<u> </u>
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REMARKS

E. Proposed and Actual Flight Patterns



5000 ft

1214Z - Stratiform rain east

No deep convection anywhere

were defined Vortices at 850 mb sfc lighter winds

1833 - more convection south and west

1849 More banded structure near center



DATE _____

FLIGHT _____

LPS _____

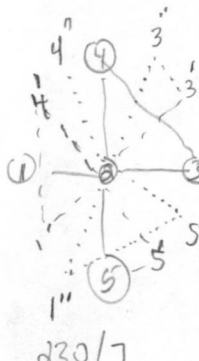
Lead Project Scientist Event Log

EVENT	TIME*	POSITION	COMMENTS**
Take off	1110	Mia	
Wind "L"	1142	24.84 78.41	
Back on track	1153	24.56 78.01	Northerly winds
'Center'	1209	24.0 77.0	Calm
Northerly winds	1234	25.68 76.98	
turn to 115°	1246	25.69 76.10	
"New Center"	1252	25.5 75.5	trk 090° 80 miles
3	1313	25.5 74.12	Southerly winds
4	1348	27.78 75.66	Easterly winds TAK 180°
2	1415	25.65 75.68	Dry S of center 10° down to 1000 ft
5	1445	23.96 75.67	
5'	1459	24.12 74.57	
2	1532	26.01 75.7	
4'	1601	27.7 76.8	
1'	1634	25.57 77.21	
2	1659	26.4 75.6	Missed center to South 3635' 05" W
3'	1715	26.96 74.57	
3''	1734	28.28 74.92	
2	1805	26.56 76.08	Missed center to North
1''	1837	24.83 77.09	

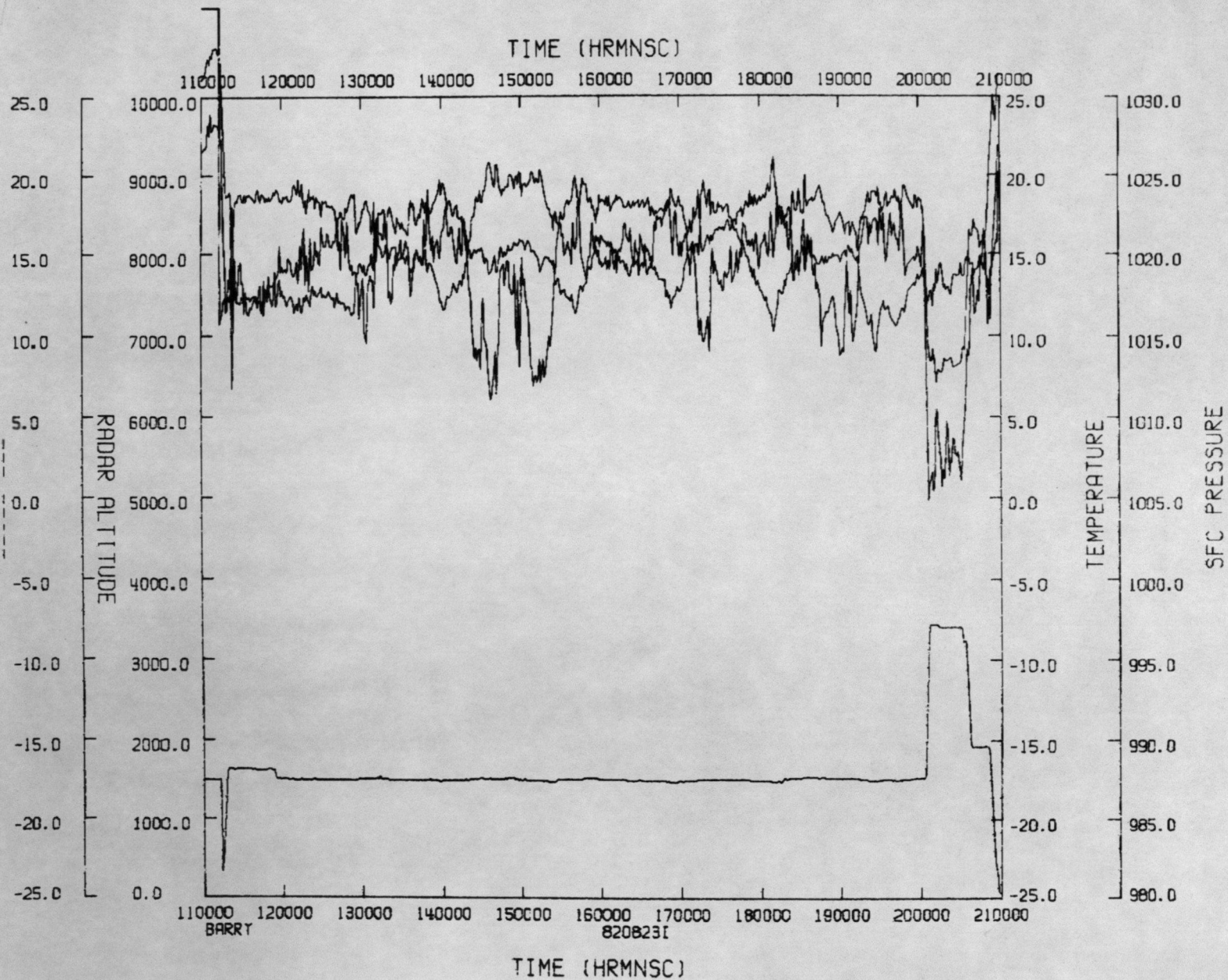
*Log times of all significant altitude changes, turns, and eye fixes

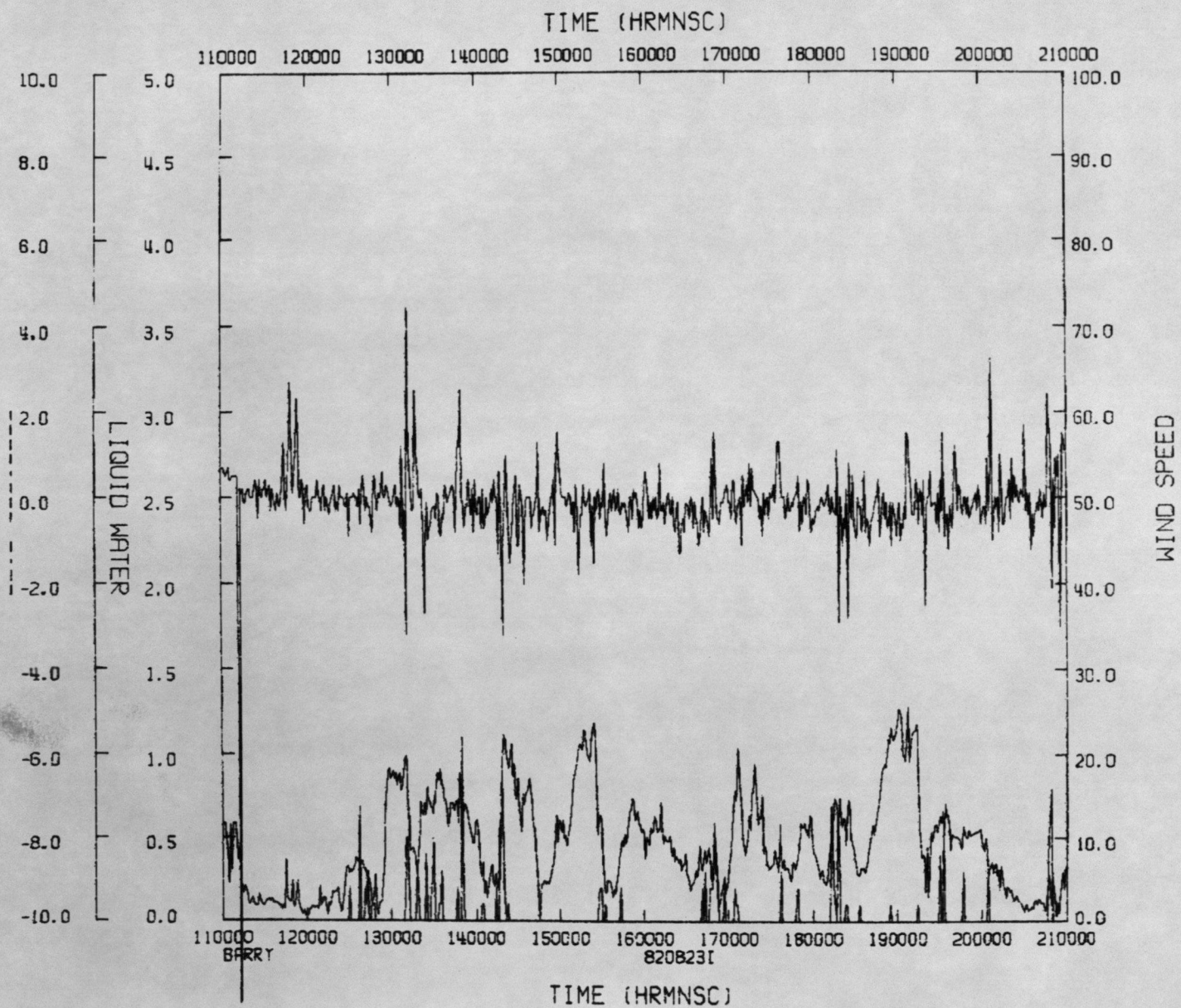
**New altitude, heading, center position, etc.

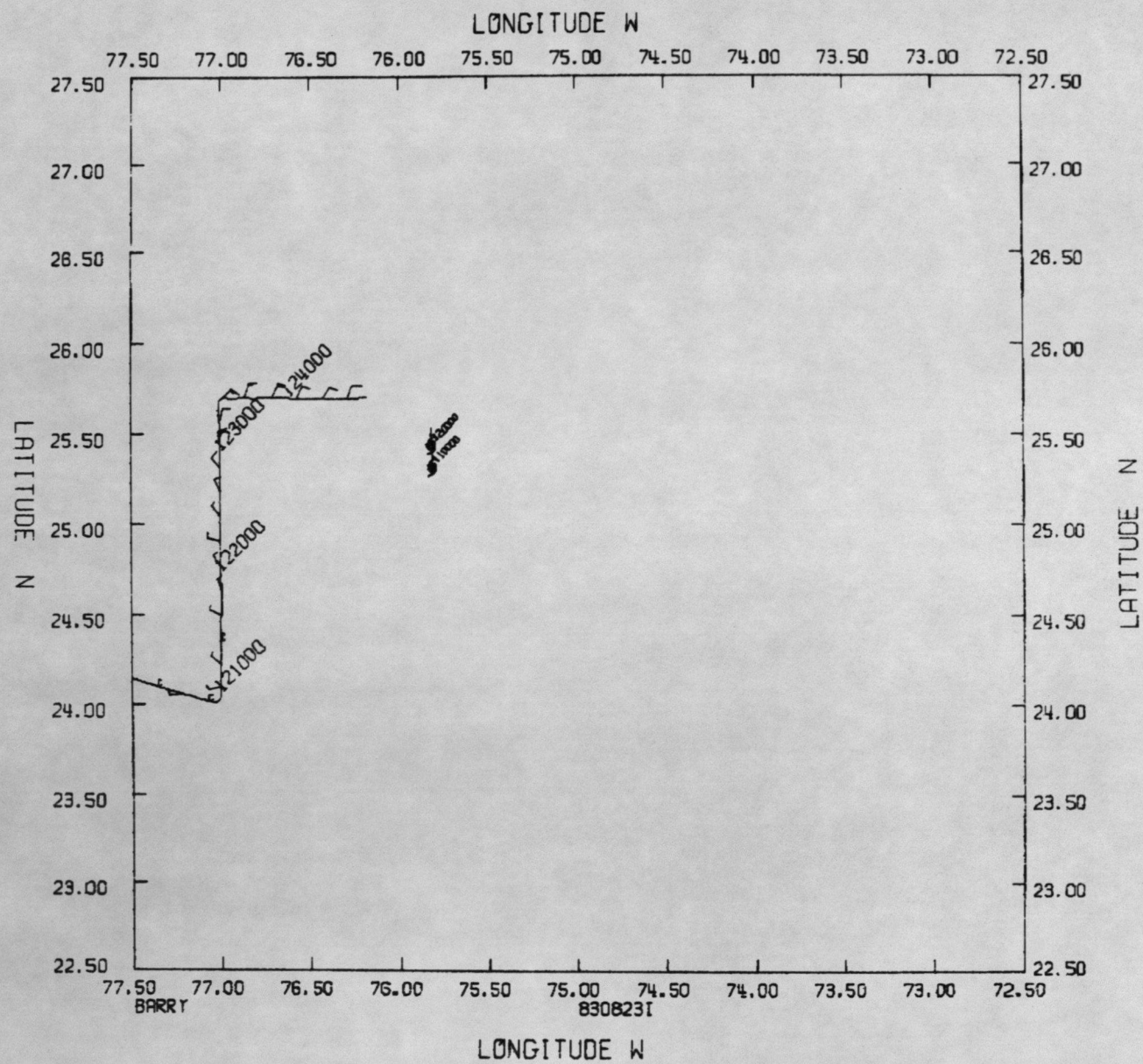
over →

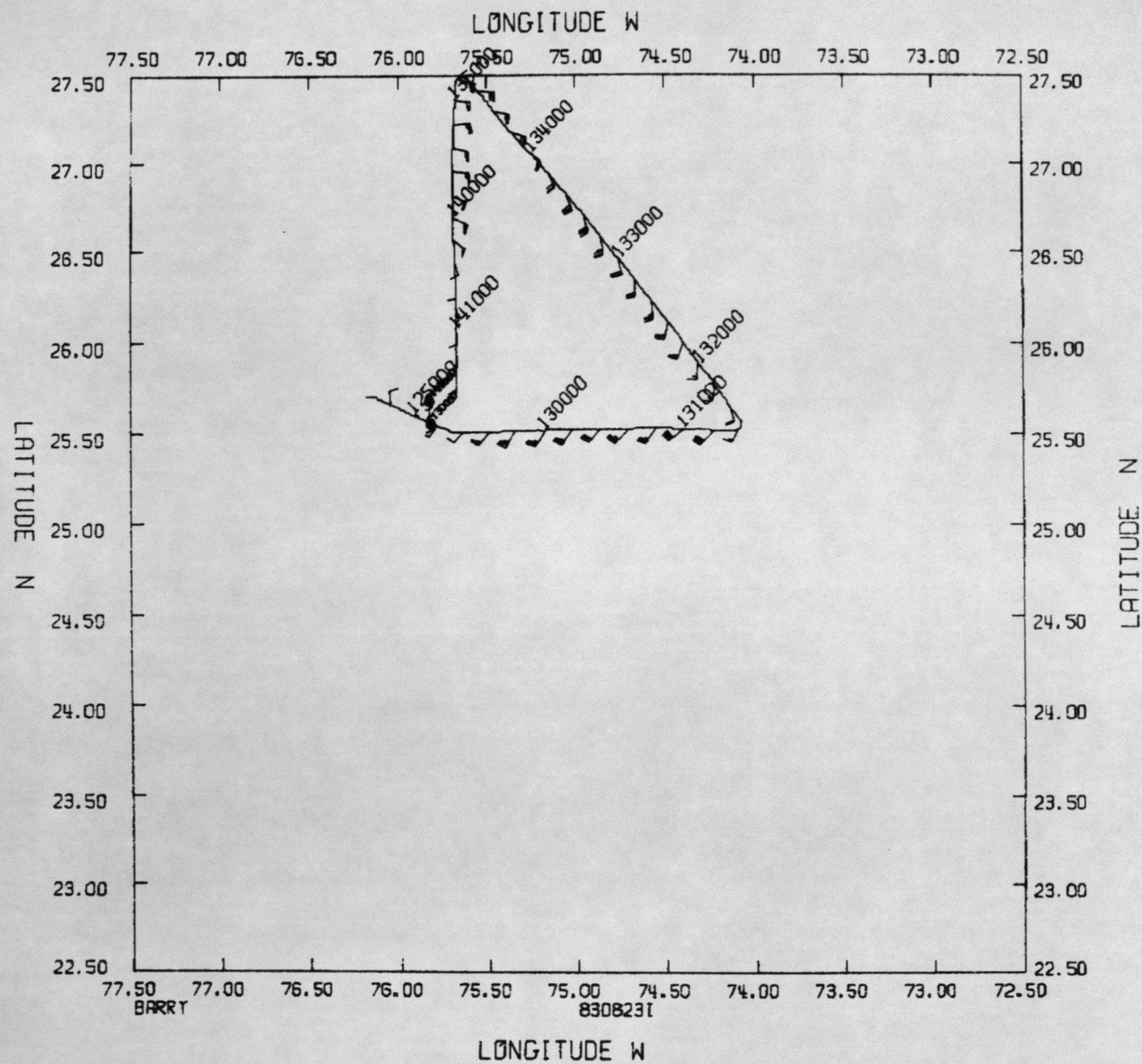


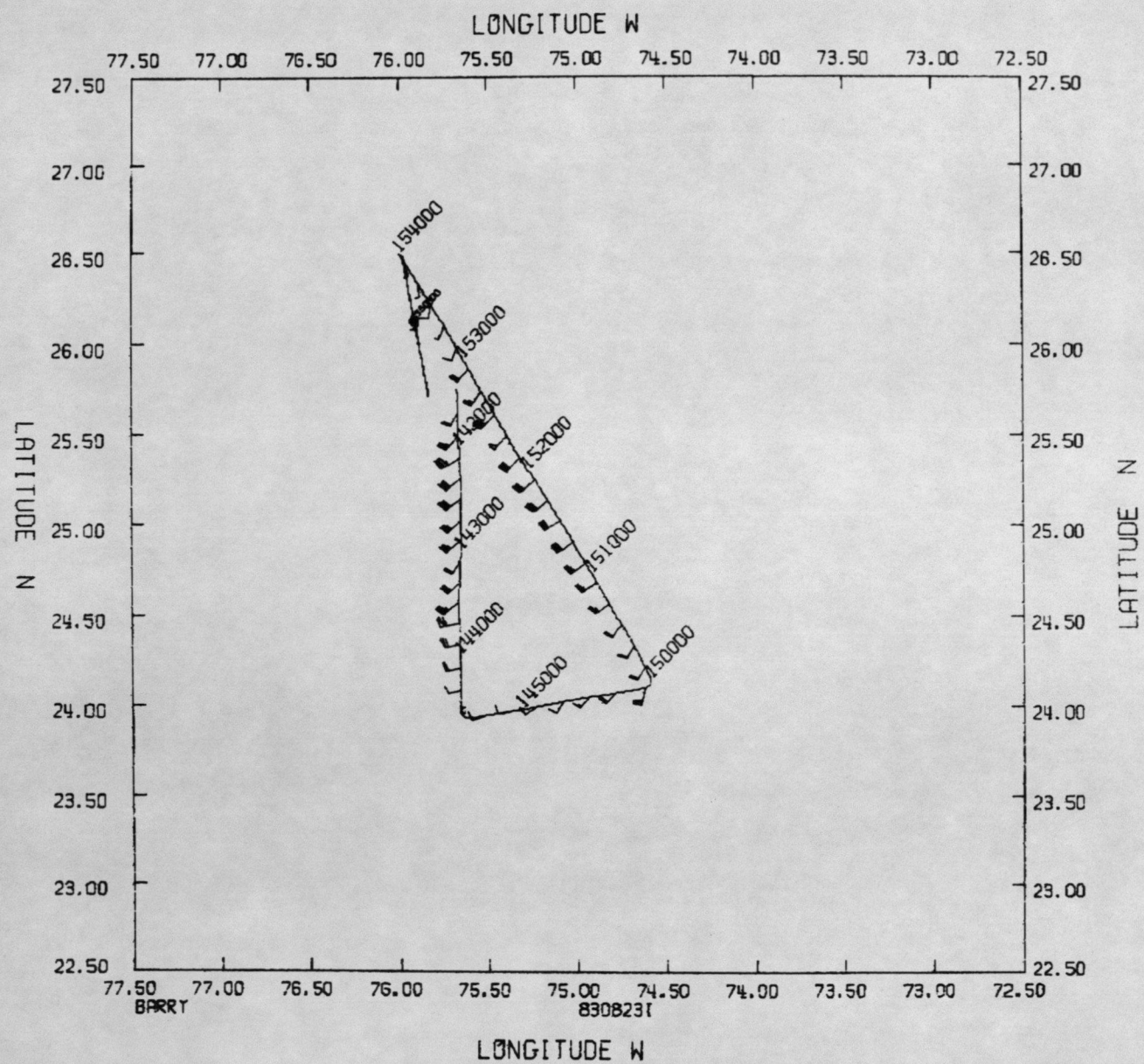
<u>Point</u>	<u>Time</u>	<u>Position</u>		<u>Comments</u>
5"	1907	25.86	74.97	
trk 215 for Doppler	1925	25.23	76.18	
End run	1934	25.94	76.60	Cell off to left 5mi turn back to center
pt (2) (center)	1942	26.23	76.26	
End	2004	26.83	77.63	

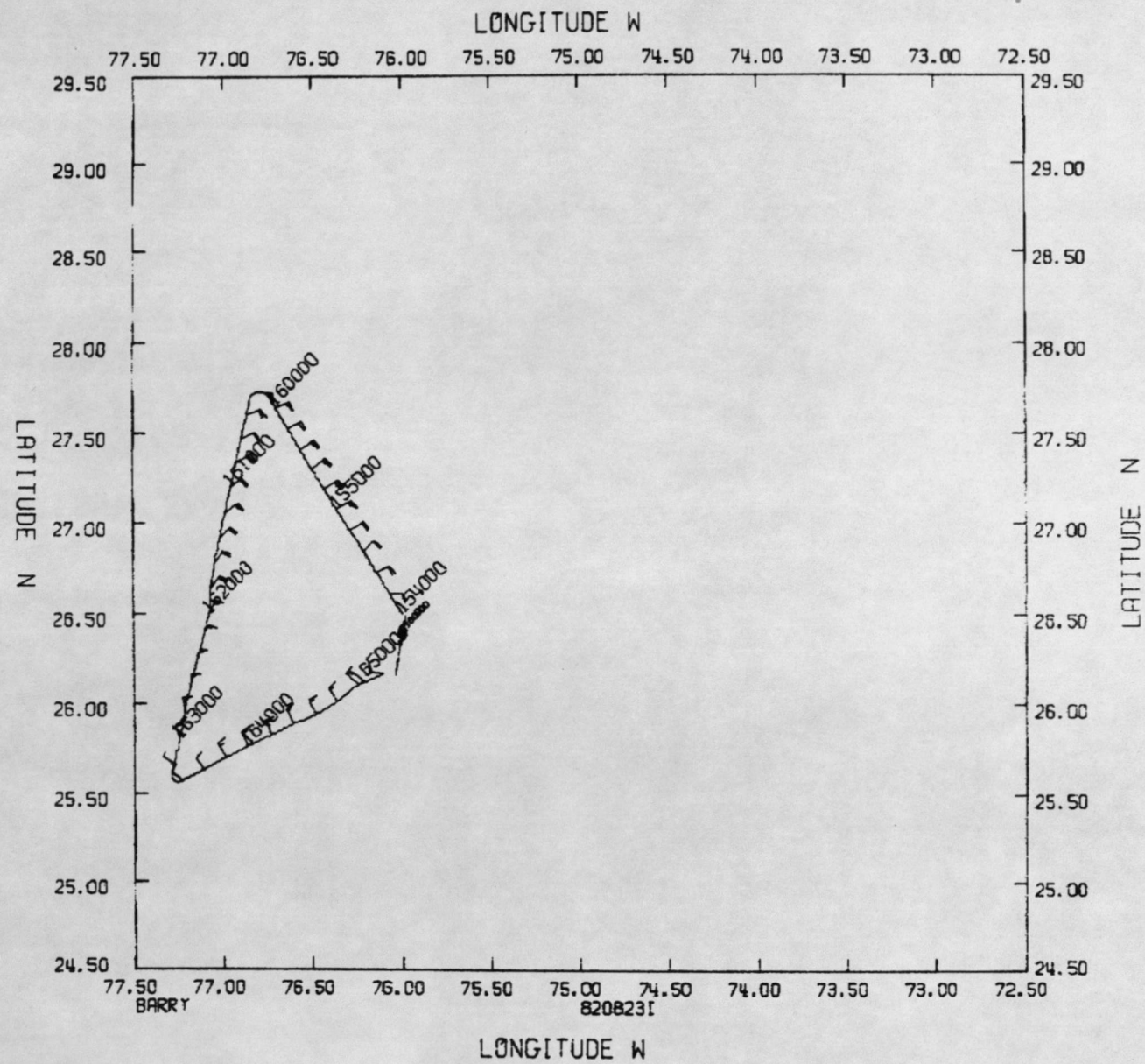


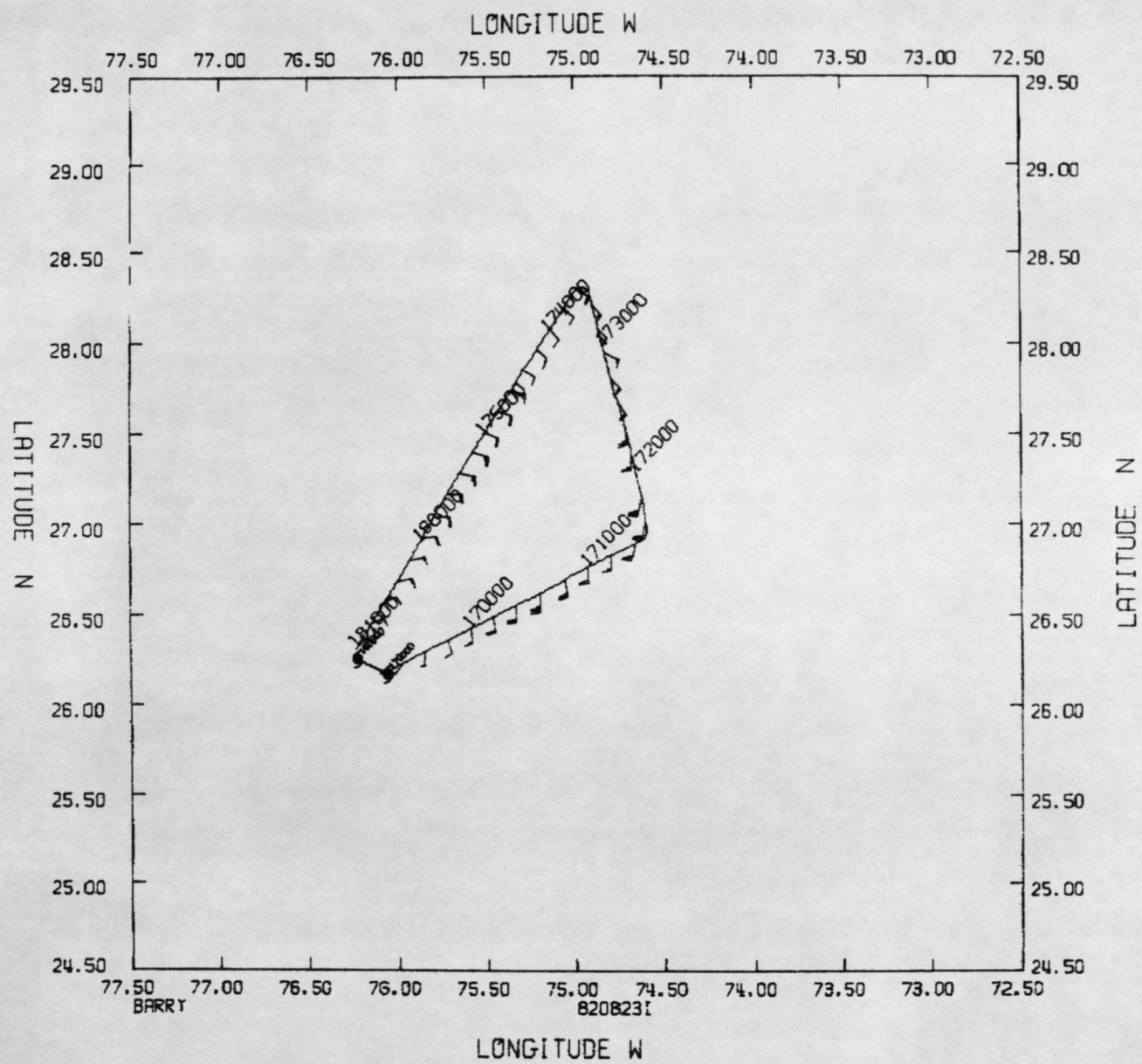


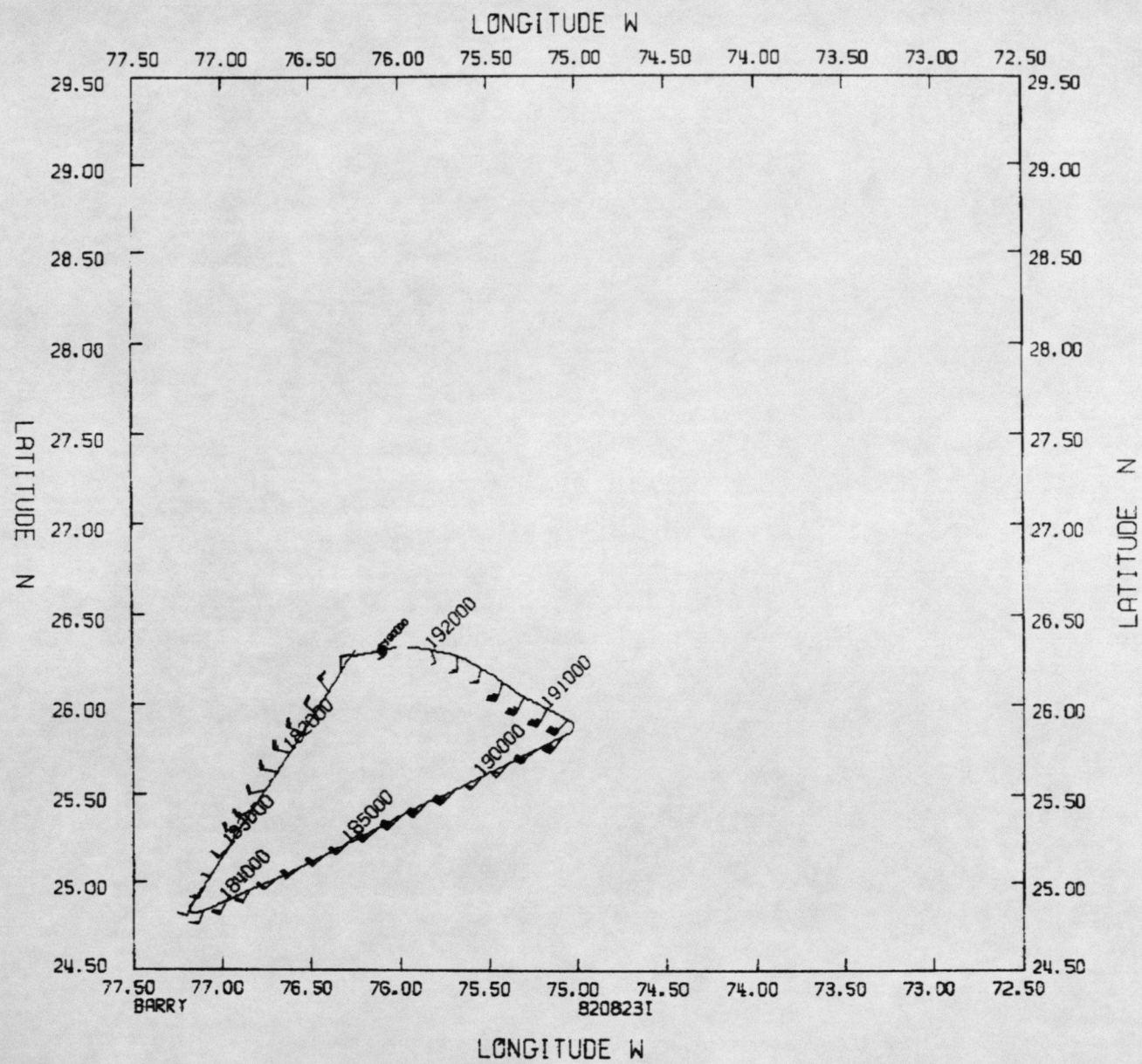


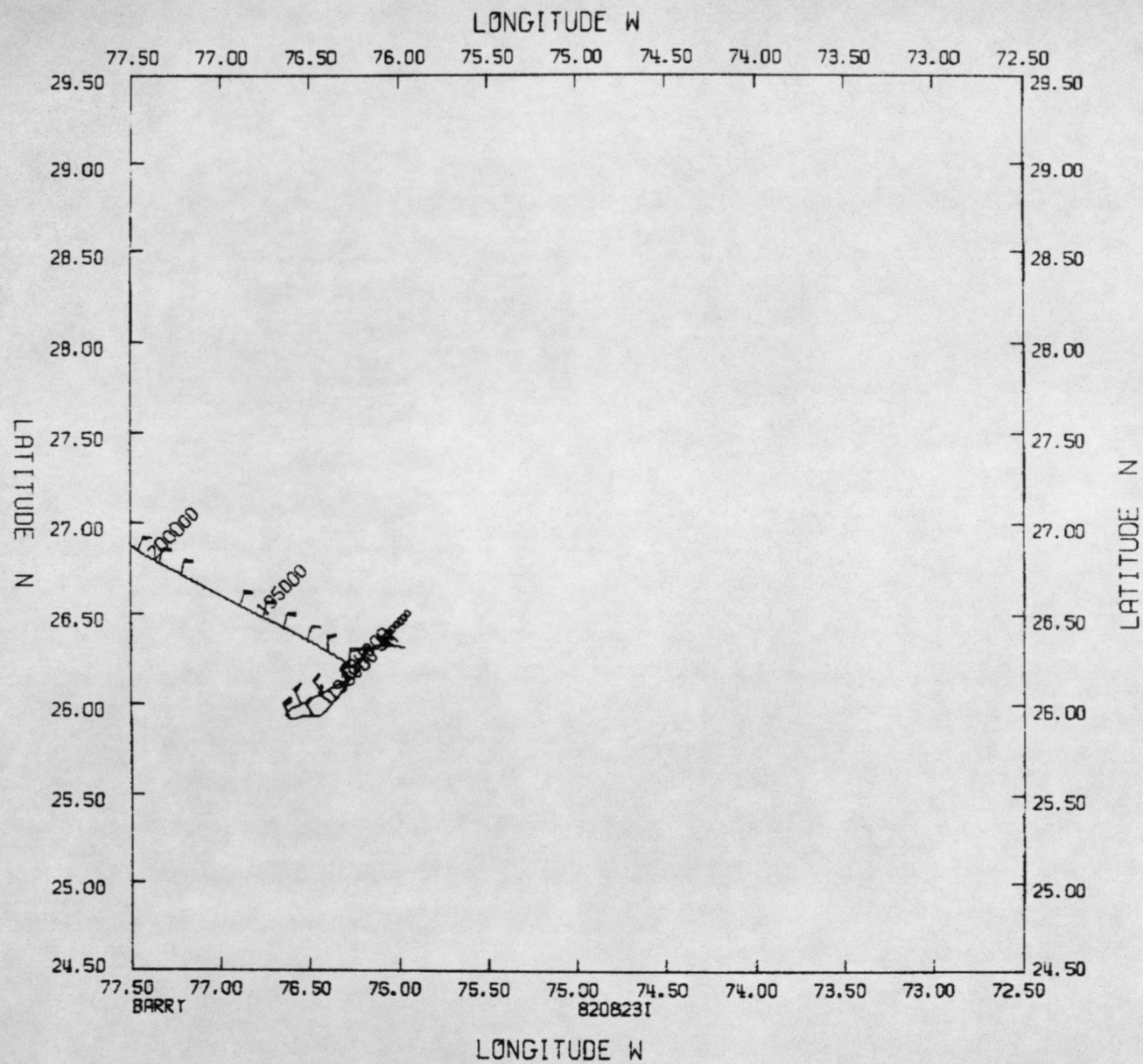




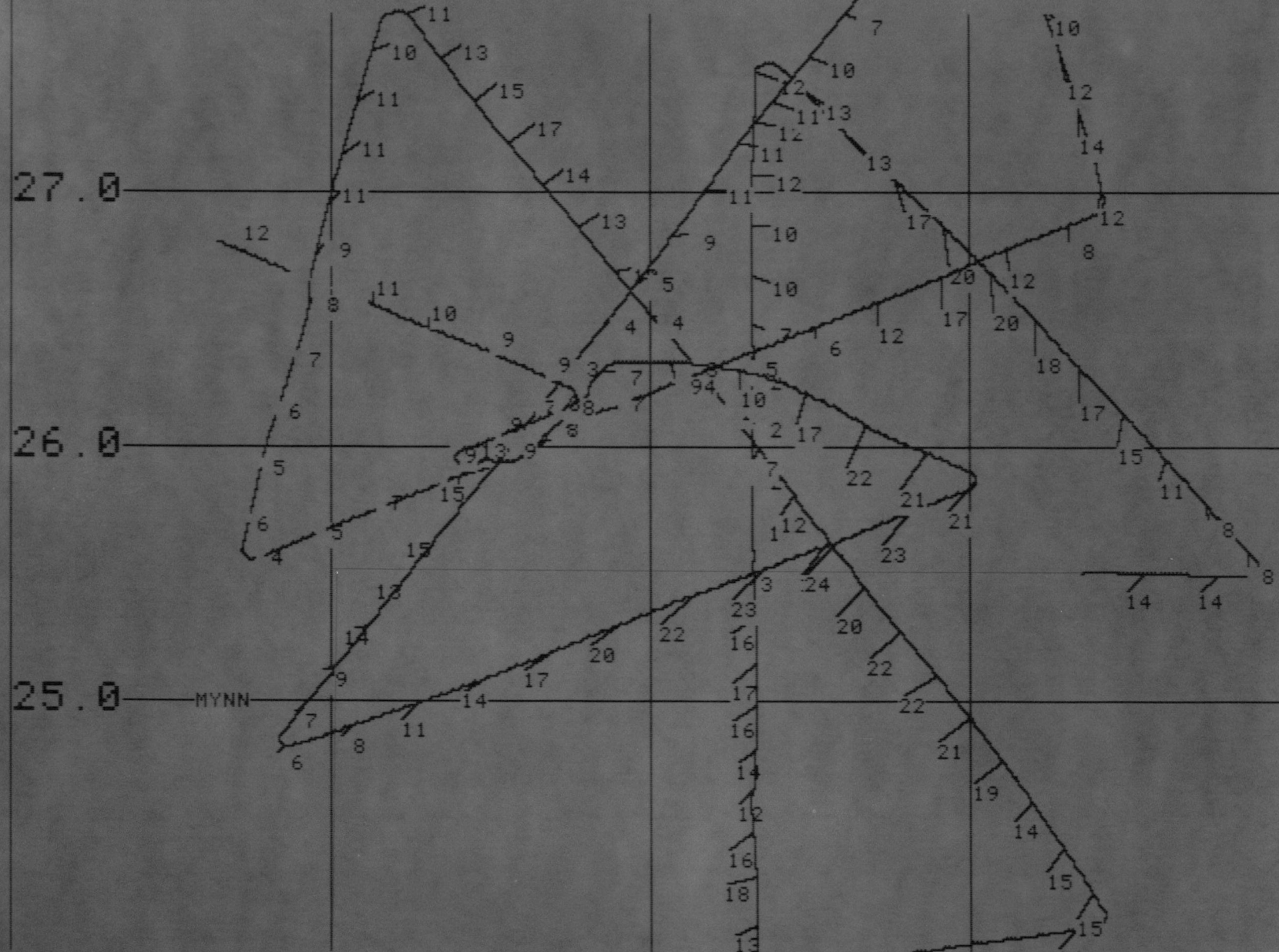








13: 6:51 830823 77.0 76.0 RFC FTRK 20: 0:24



15: 0: 4 830823I NOAA RFC 16: 2:19

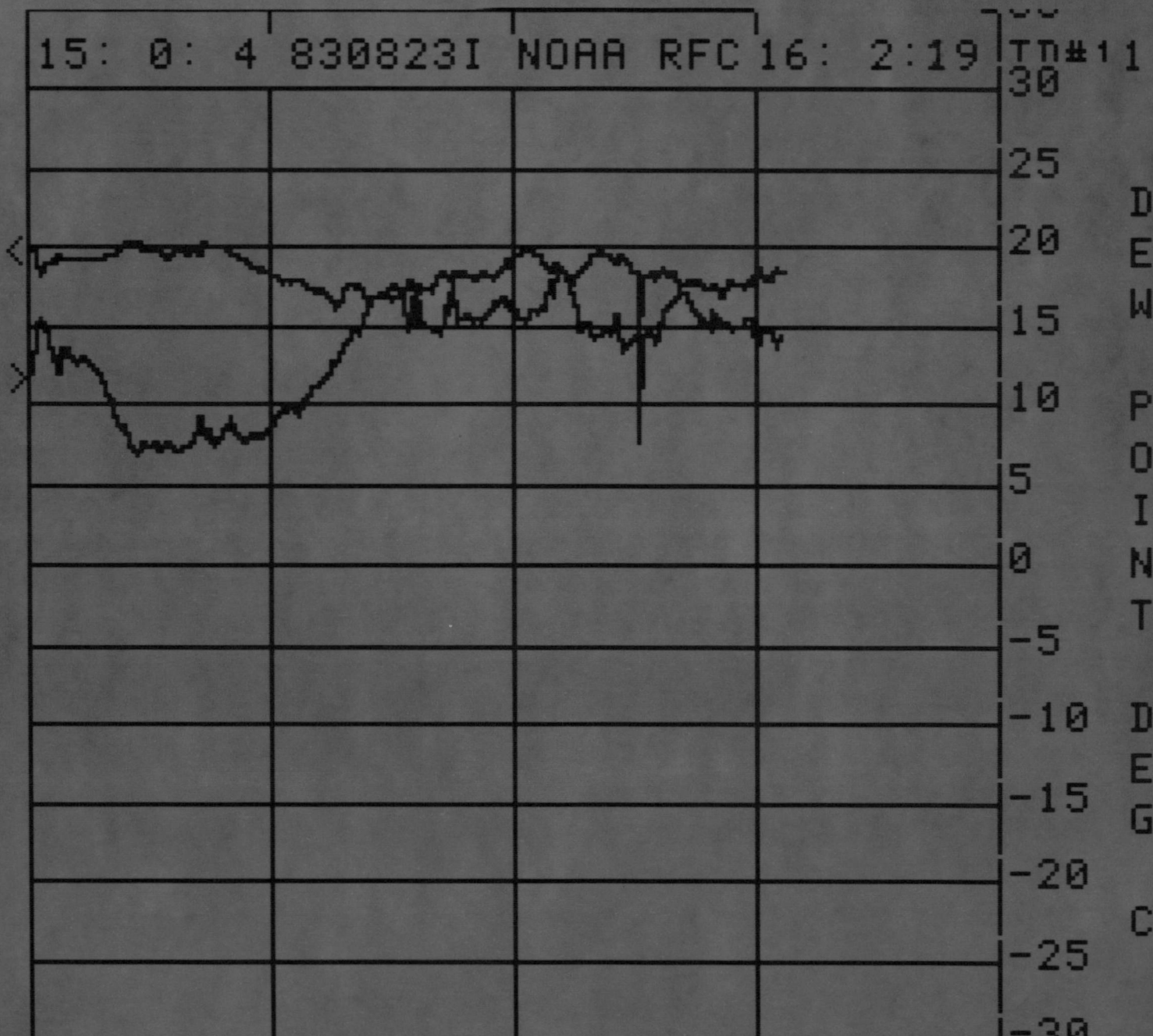
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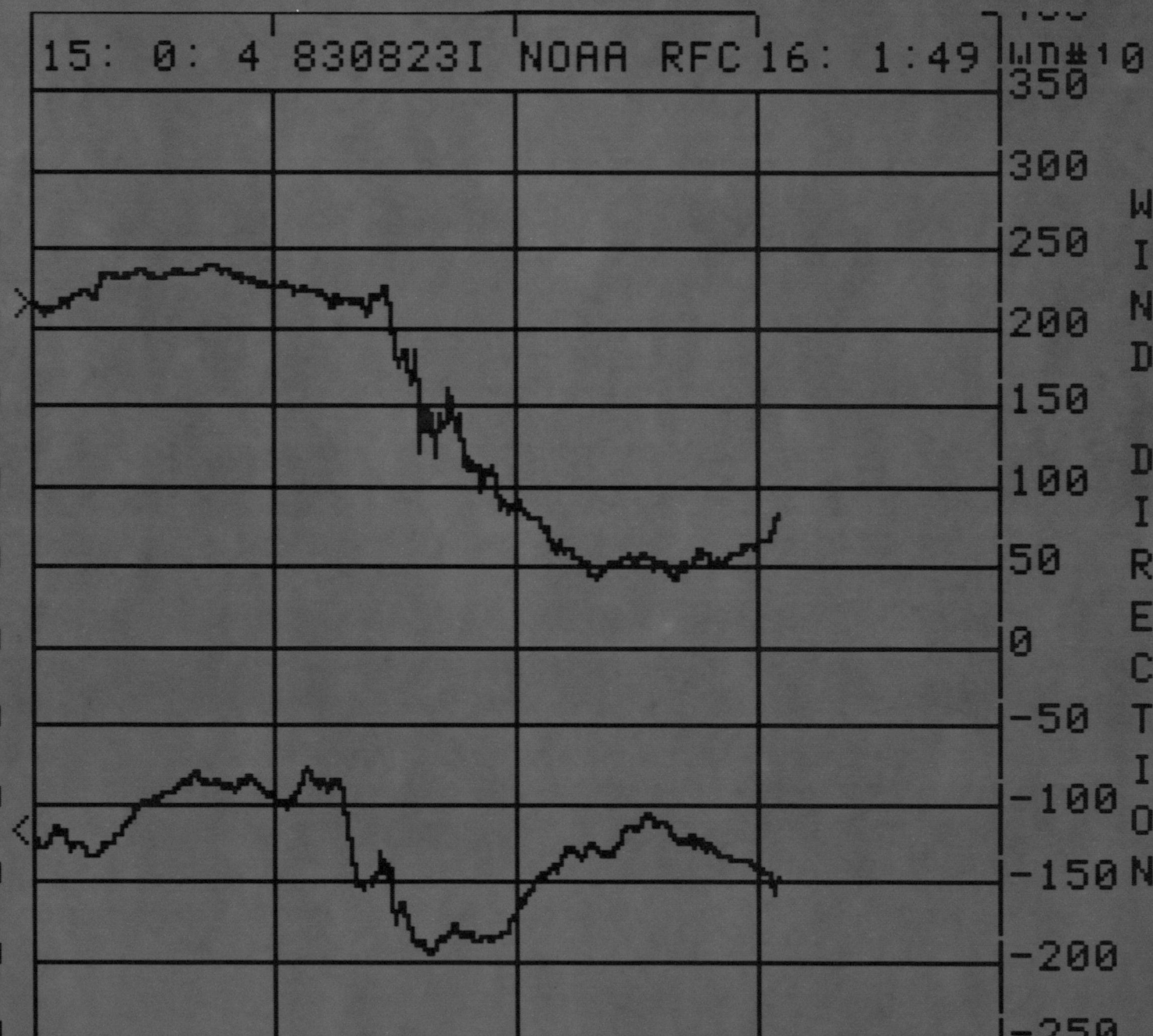
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18:57:34 830823I NOAA RFC 20: 2: 4 MTN#10

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