

Appendix J

Operational Checklists

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8P0806H1

AIRCRAFT 42RF

FLT 8P0806H1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>JORGENSEN</u>	Gust Probe	<u>-</u>
Cloud Physics	<u>R. Black</u>	Omega Sonde	<u>ZYSKO</u>
AXBT	<u>-</u>	Sys Eng	<u>Dugrawrot</u>
Hot Film	<u>-</u>	Data Tech	<u>BRUNSON</u>
Radar	<u>Wirfel/Parrish</u>	EI Tech	<u>CONNORS</u>
Flt DIR/MET	<u>Rosby</u>	Other	<u>Holland</u>

Time Off 1245 Location SAN JUAN Time On 1908 Location MIA

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>8/6</u>	<u>10Z</u>	<u>18.7</u>	<u>77.3</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>15Z</u>	<u>19.0</u>	<u>78.7</u>	<u>8/6</u>	<u>1525</u>	<u>19.7</u>	<u>79.2</u>	<u>-</u>
<u>-</u>	<u>18Z</u>	<u>19.7</u>	<u>80.6</u>	<u>-</u>	<u>1732</u>	<u>19.9</u>	<u>80.0</u>	<u>-</u>

C. Mission Briefing

15Z and 18Z operational fixes. 1500ft butterfly
(Pattern III IN OPS plan)

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	ok	ok	ok	
Radar	ok	ok	ok	7 tapes
Cloud Physics	ok	ok	ok	
Data Sys	ok	ok	ok	
Omega Sondes	ok	ok	ok	
AXBT				
Gust Probe				
Hot Film				
Photography				

REMARKS

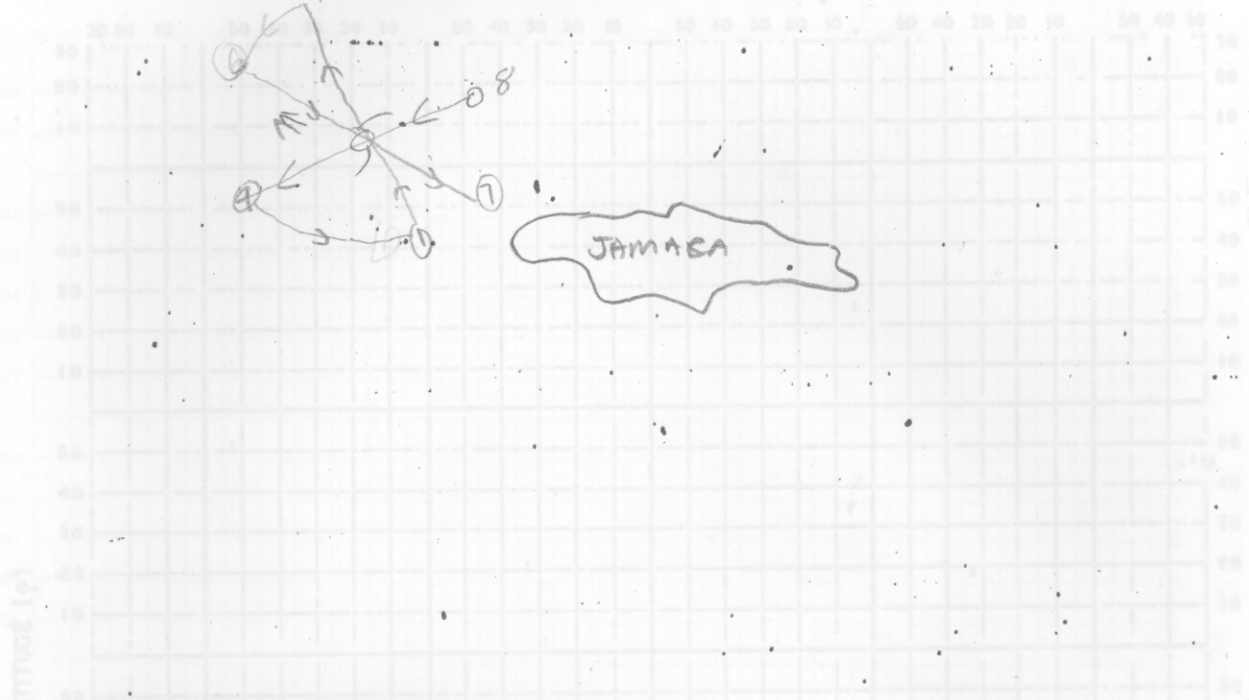
Data system went down for a short while during first pass out of the eye going SW. Printer quits due to coffee spill during last 1500 ft pass through North wall.

192 knots max NE quadrant of 1500 ft

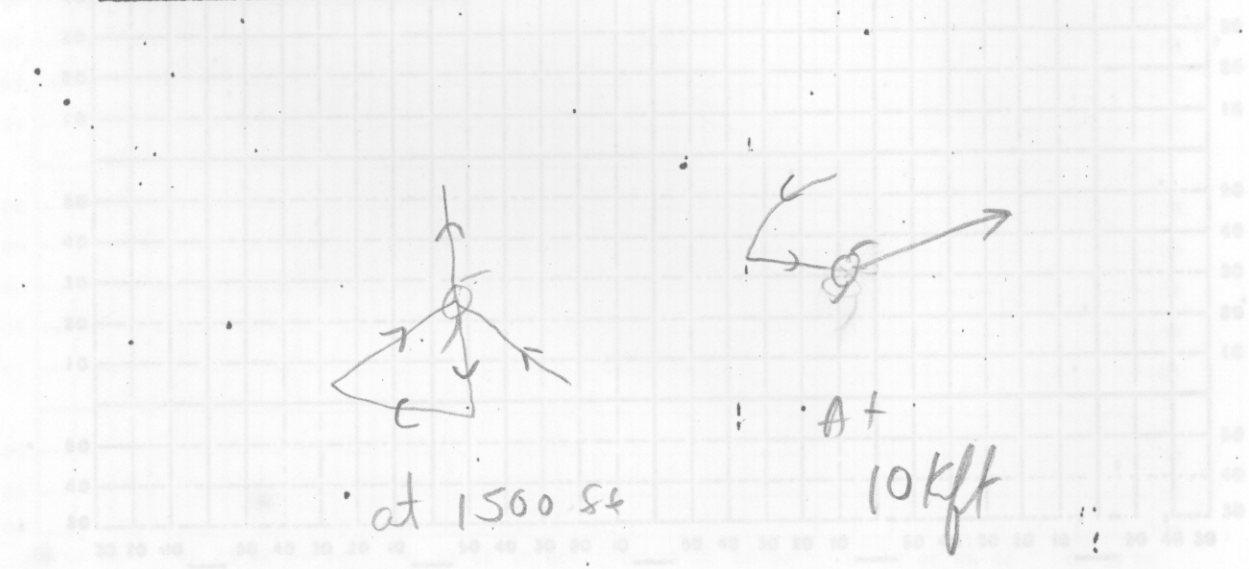
E. Proposed Flight Patterns

HURRICANE RECCO PLOTTING CHART

TRUE AT 0° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



F. Actual Flight Patterns



DATE _____

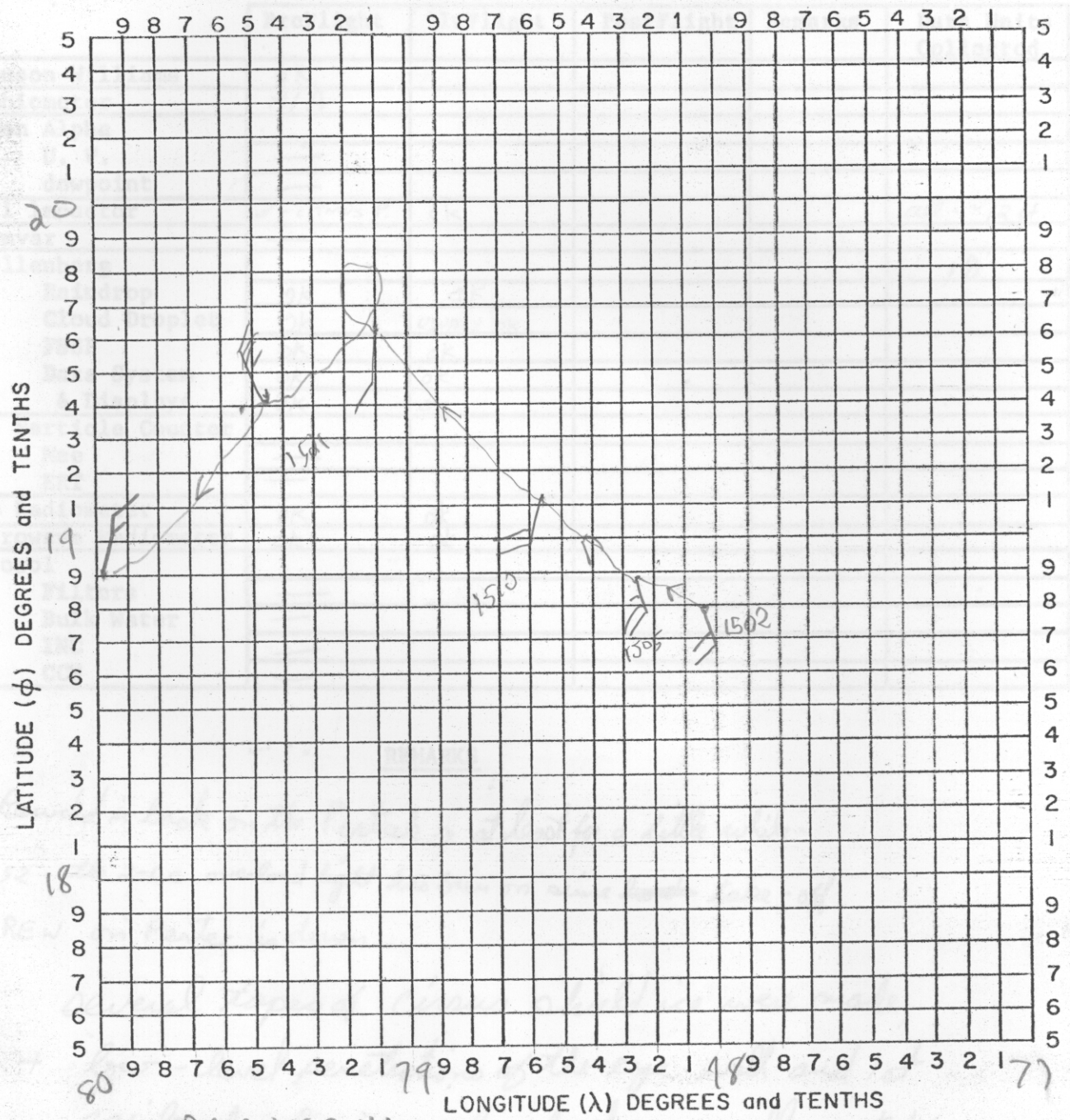
LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL GERRIES ACCORDING TO LOCATION OF FLIGHT AREA

DATE 8/20/80

HURRICANE RECCO PLOTTING CHART



DATE 800806 H1
 OBSERVER JORG

NOTE: Label full degrees according to location of flight area

R. A. BLACK

DATE 18000806 AIRCRAFT 42RF FLIGHT 1

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	OK				
Nimbometer	N/A				
Lyman Alpha					
U. V.	—				
dewpoint	—				
Foil Impactor	✓ - LITMUS P.	OK			all - ~12 ft.
Formvar	—				
Knollenberg					10
Raindrop	OK	OK			
Cloud Droplet	OK	USUALLY OK			
FSSP	OK	OK			
Data System	OK	OK			
& Displays	OK	OK			
Ice Particle Counter					
Mee	—				
ERT	—				
CO ₂ Radiometer	OK	OK			
Microwave Radiometer	OK	OK			
Aerosol					
Filters	—				
Bulk Water	—				
INC	—				
CCN	—				

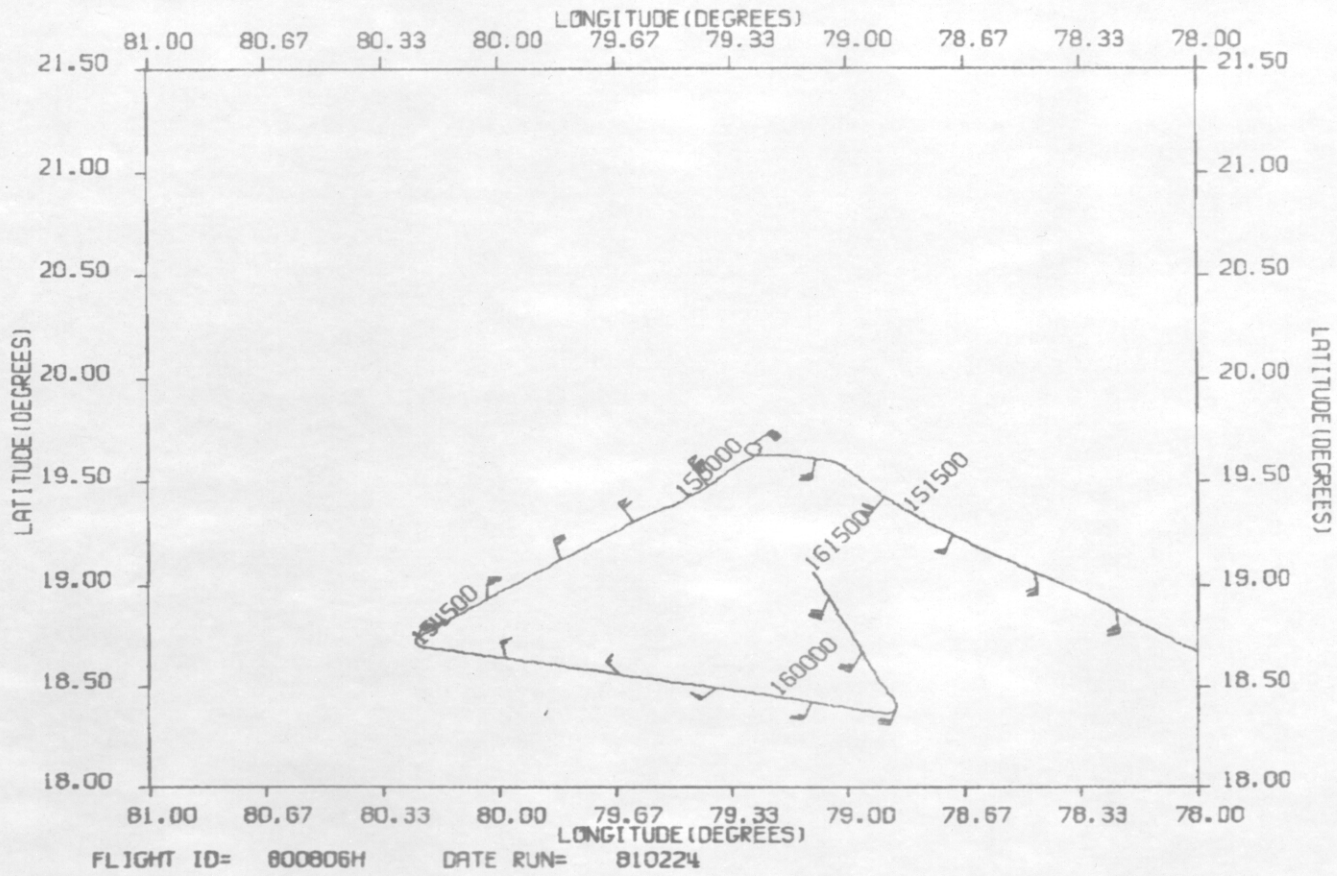
B. REMARKS

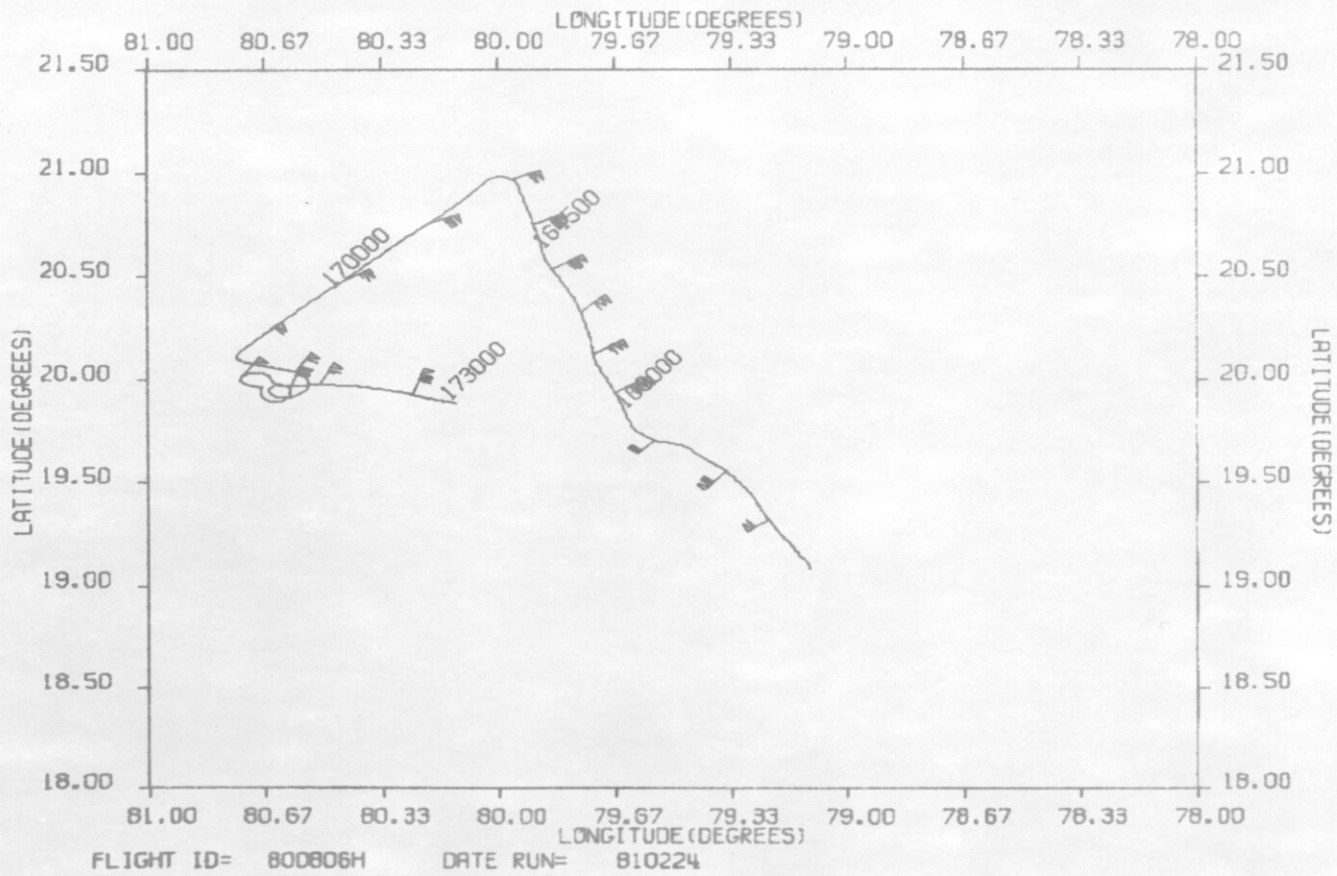
Rewind is back on the Pertec → at least for a little while.

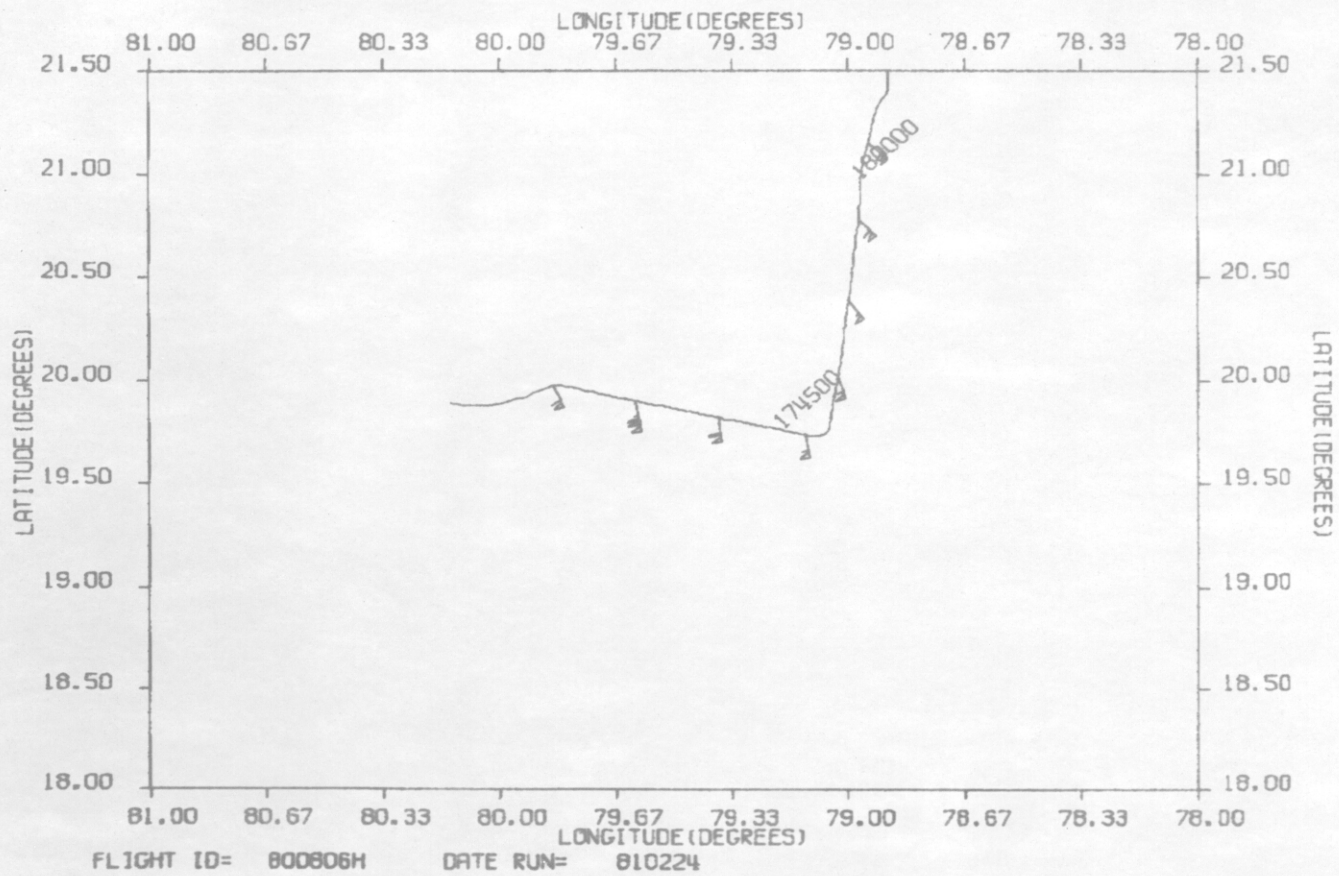
9:54:52 the 2-DC overload light has been on since ~~land~~ take-off

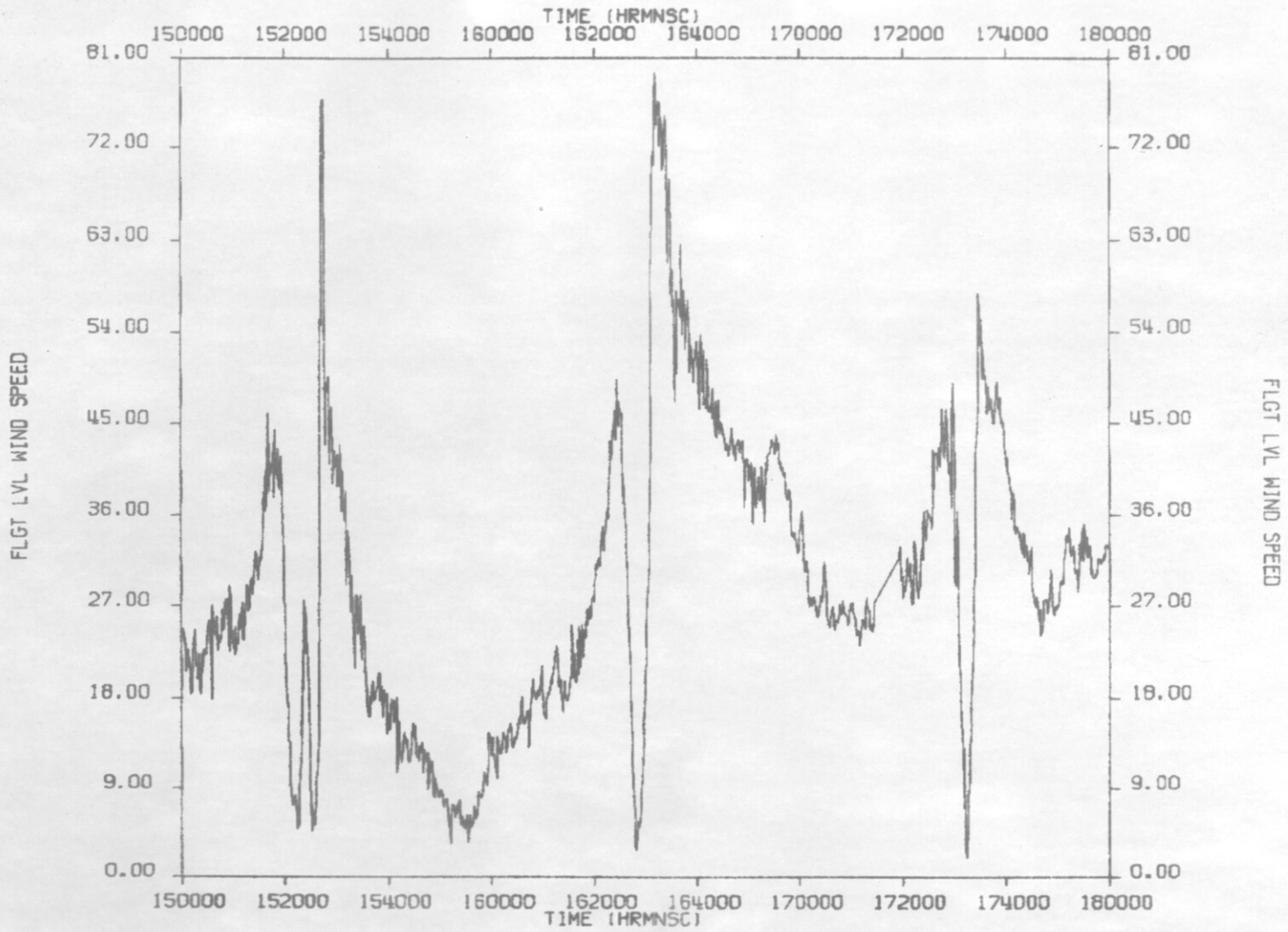
REW on Pertec is down.

several tapes of cirrus shield ice were made,
 + low-level penetrations of the eye-wall and 1st
 rainband. During one low level eye-wall penetration,
 the litmus paper was exposed,



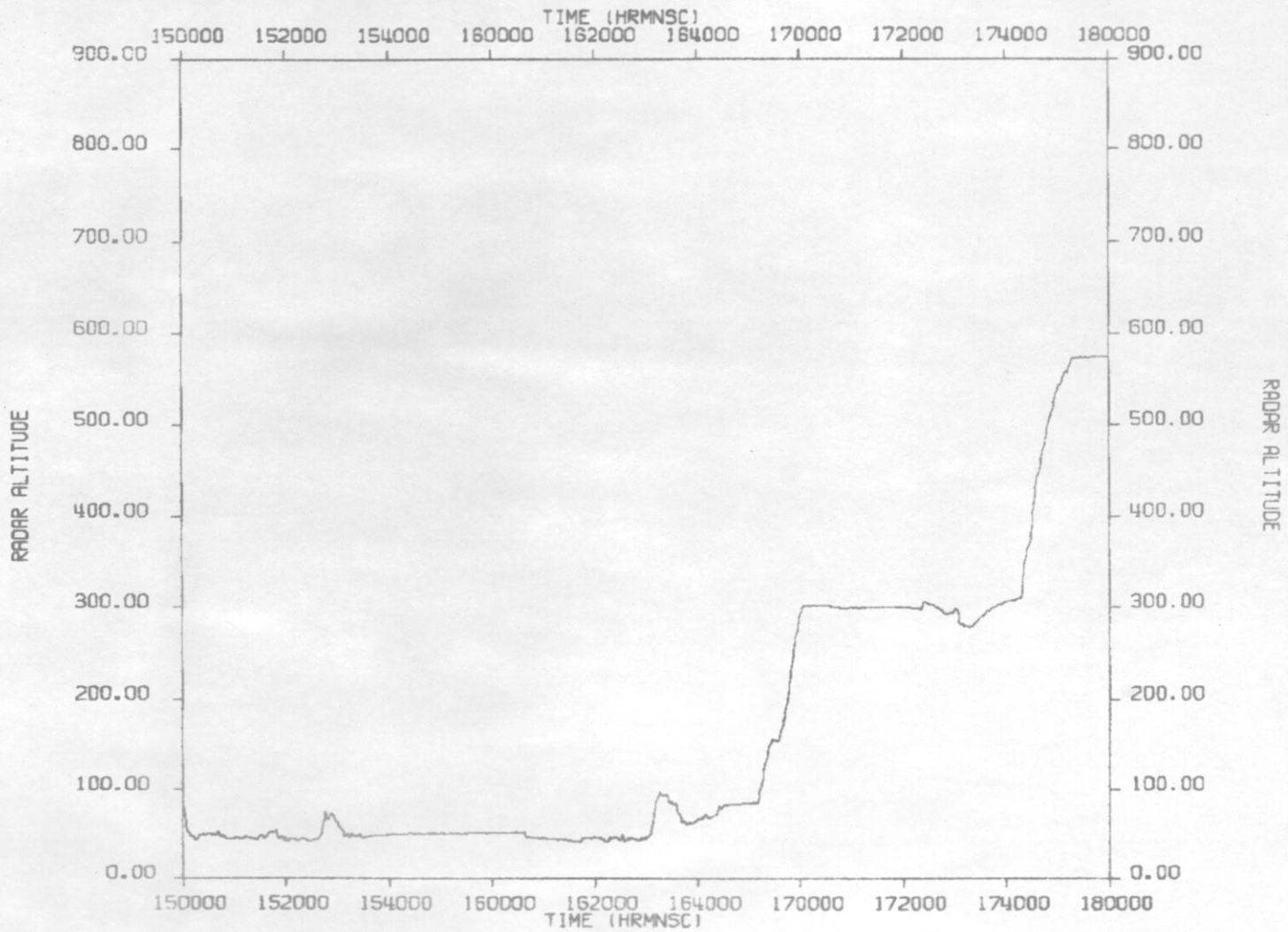






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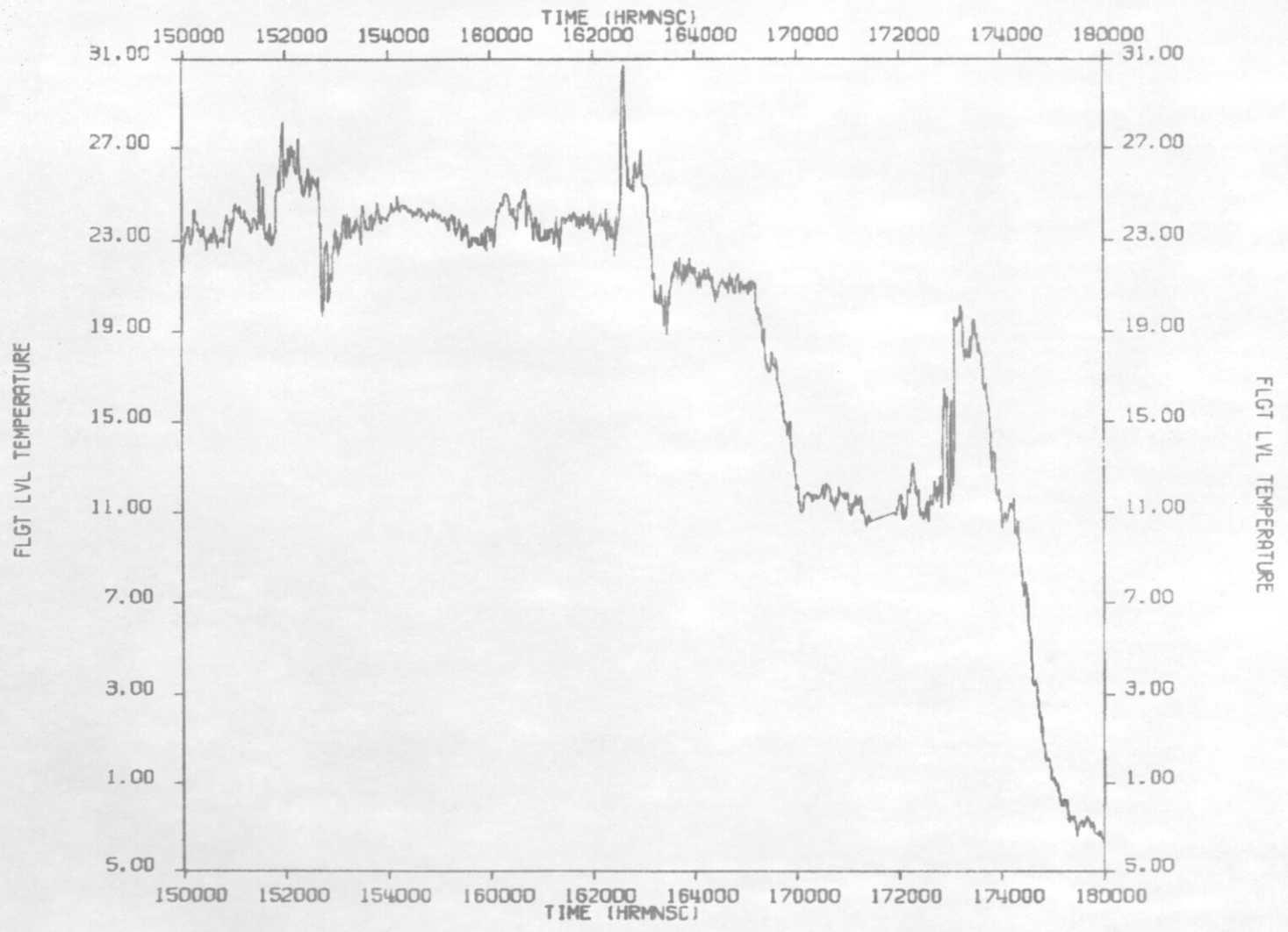
DATE RUN= 810224



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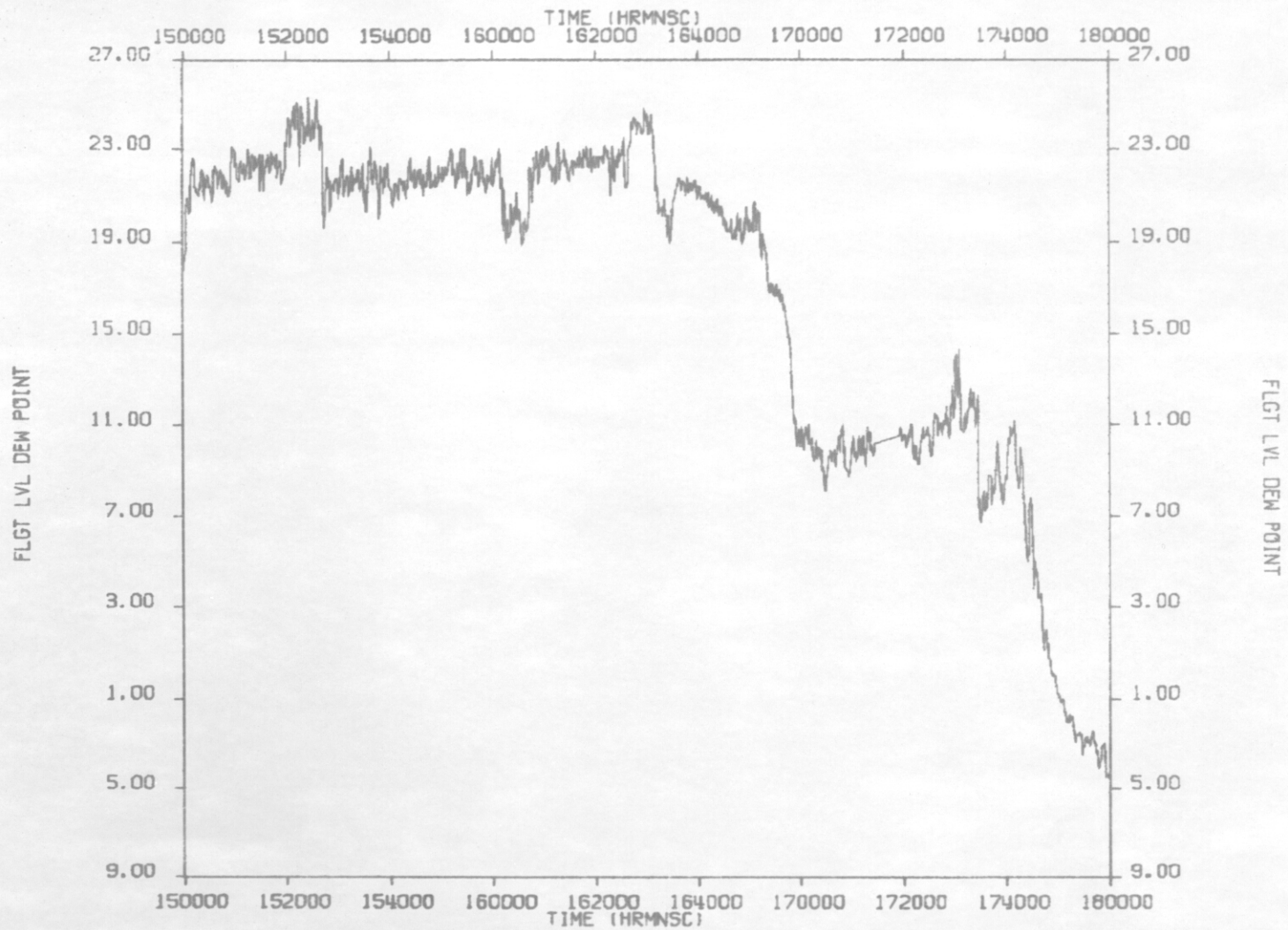
DATE RUN= 810224

5000M
3



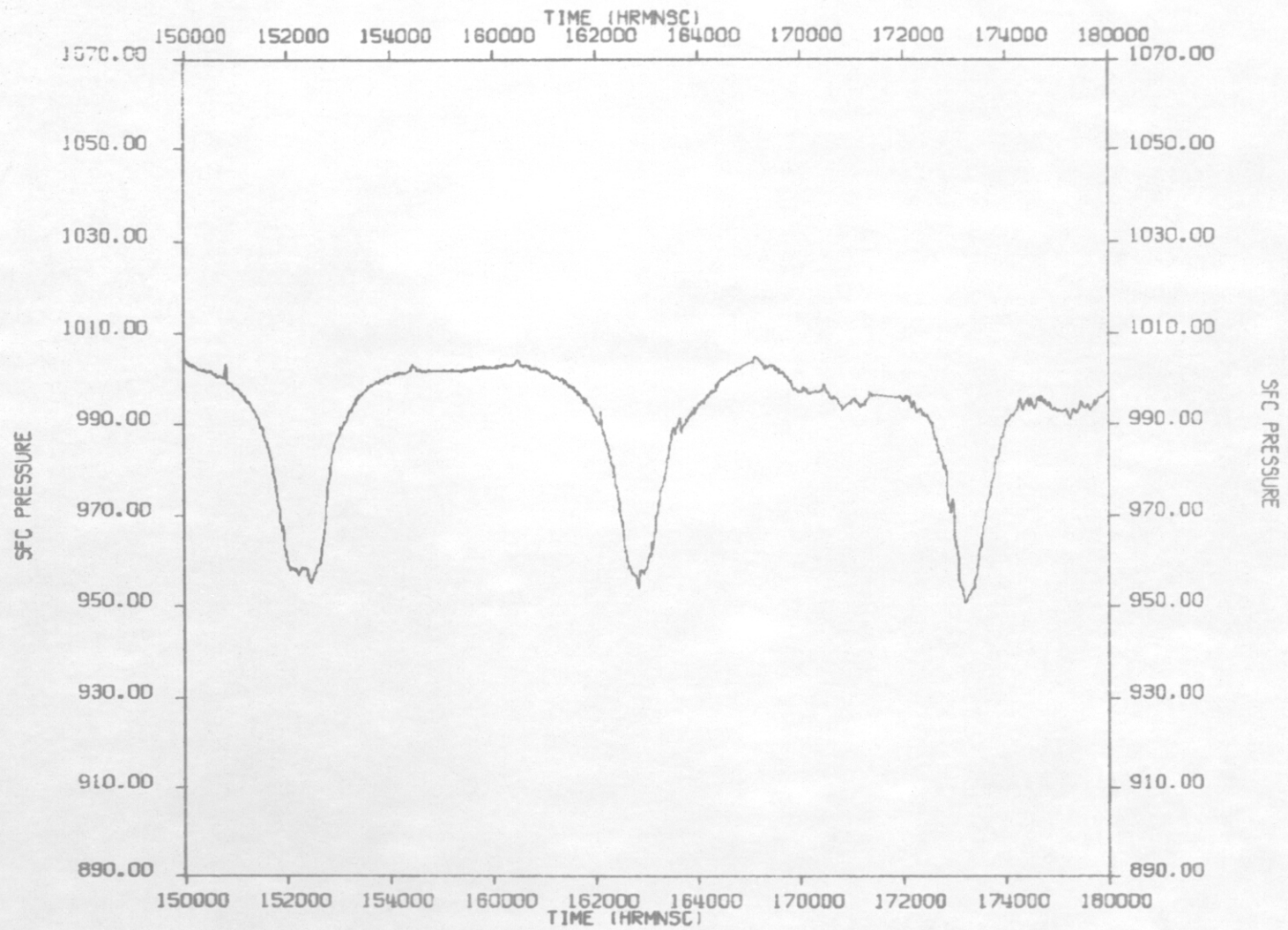
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DATE RUN= 810224



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DATE RUN= 810224