

Appendix I

42 - DAVE 150 +
43 - PETE 50

Operational Checklists

69-17

RAINBAND EYE WALL

FORM I-1

On-board Lead Project Scientist Checklist

DATE 05 APR 80

AIRCRAFT 41C

FLT 800805F

A. Participants

<u>Function</u>	<u>Participant</u>	<u>Function</u>	<u>Participant</u>
Lead Proj. Sci.	<u>WILLOXHEBY</u>	Gust Probe	
Cloud Physics		Omega Sonde	
AXBT		Sys Eng	<u>TRIMBLE</u>
Hot Film		Data Tech	
Radar	<u>J. LEIN</u>	El Tech	<u>SCRICKET</u>
Flt DIR/MET	<u>DORRY</u>	Other	<u>DE LIAISON</u> <u>LYN JONES ETC.</u> <u>NASA MICROSCAT</u>

Time Off 051019Z Location SJU

Time On ~1720Z Location SJU

B. Past and Forecast Storm Position - Observed Positions

<u>Date</u>	<u>Time</u>	<u>Lat</u>	<u>Lon</u>	<u>Date</u>	<u>Time</u>	<u>Lat</u>	<u>Lon</u>	<u>MSLP</u>
<u>05</u>	<u>1200Z</u>	<u>15.5</u>	<u>70.6</u>					

SEE ITEM F

C. Mission Briefing

FLY MODIFIED EYEWALL RAINBAND EXP AS
SHOWING DO WIND "L" TO AND FROM ALT
IN STORM 10KFT.

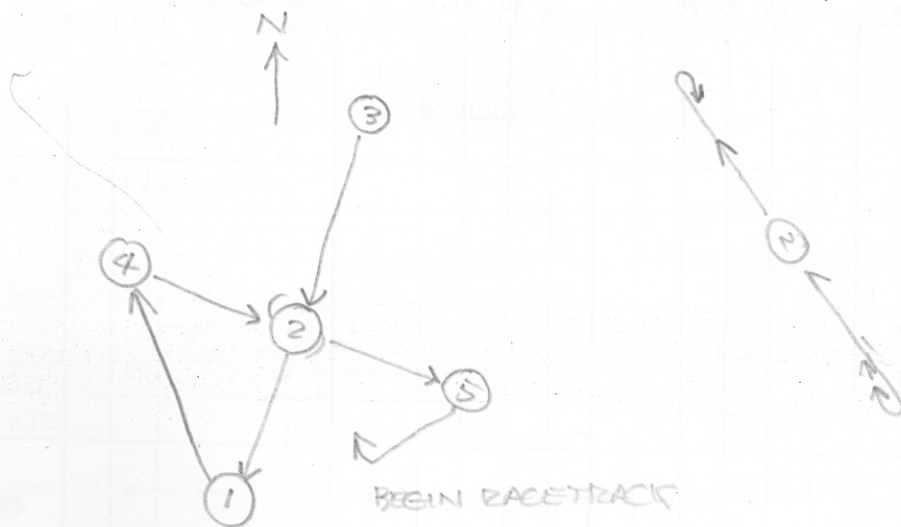
D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	↑		↑	
Radar ¹	↑	RECORDING BEGIN 1043Z	↑	LEIN WILL TURN IN TO JIM BROWN
Cloud Physics	NOB			
Data Sys ²	↑		↑	YES
Omega Sondes				
AXBT				
Gust Probe				
Hot Film				
Photography				
SCATTEROMETER ³	↑	↑	↑	N/A

REMARKS

- ¹ RADAR DATA SYSTEM HAS INTERMITTENT PROBLEMS
 - ² DISPLAY IN FLT STA DROPS OFF INTERMITTENTLY
 - ³ PASSED TO 43 SCATEROMETER UP THEY ARE DESCENDING TO 1500 FT AT 1050Z
- WIND CAL DONE 1100Z (FINISHED)

E. Proposed Flight Patterns AL AT 10K FT

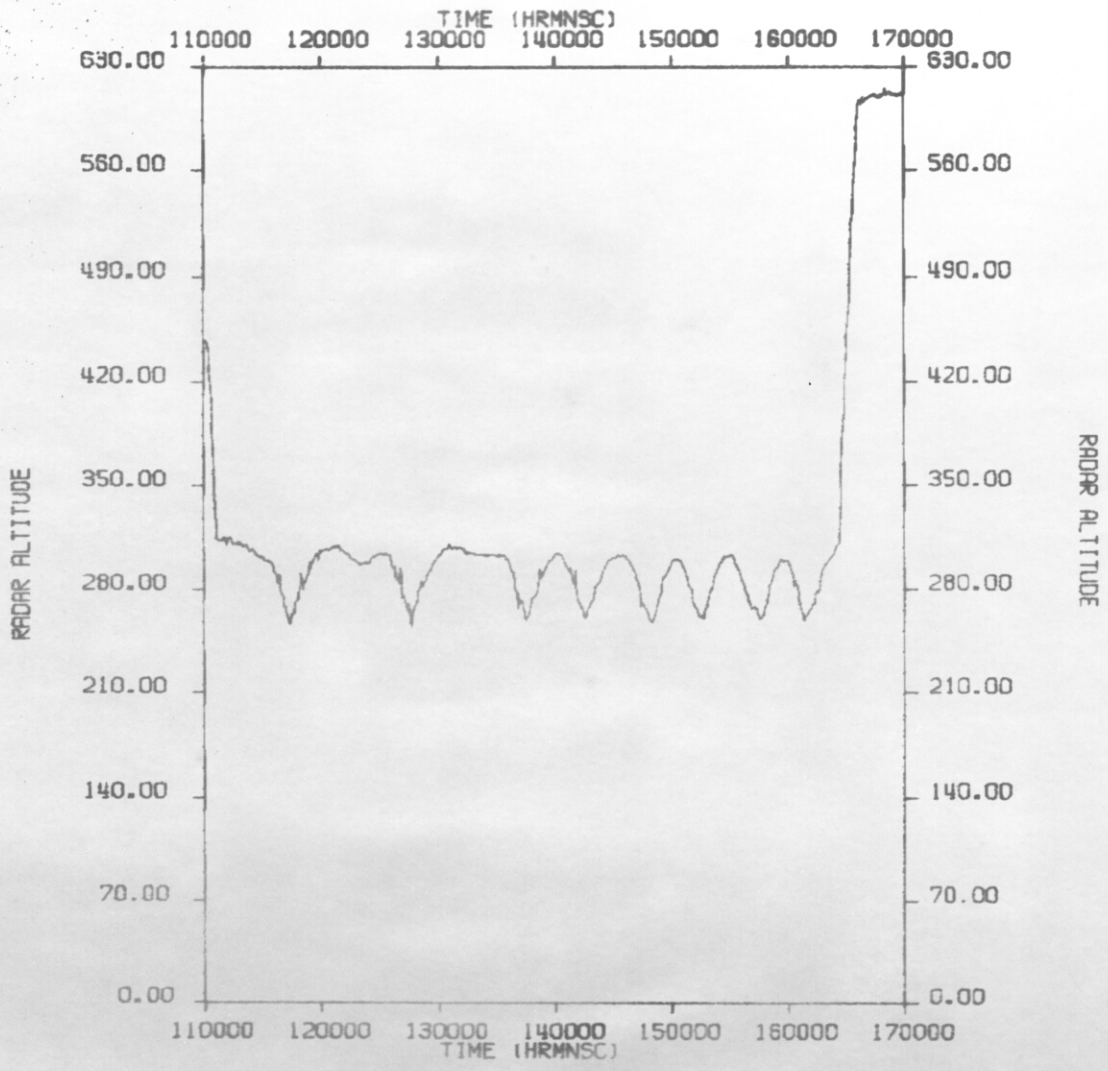


F. Actual Flight Patterns

FLOWN AS PLANNED 1 FIG 4 AND 3 RACE TRACKS TIMES AS FOLLOWS
110 ST TP

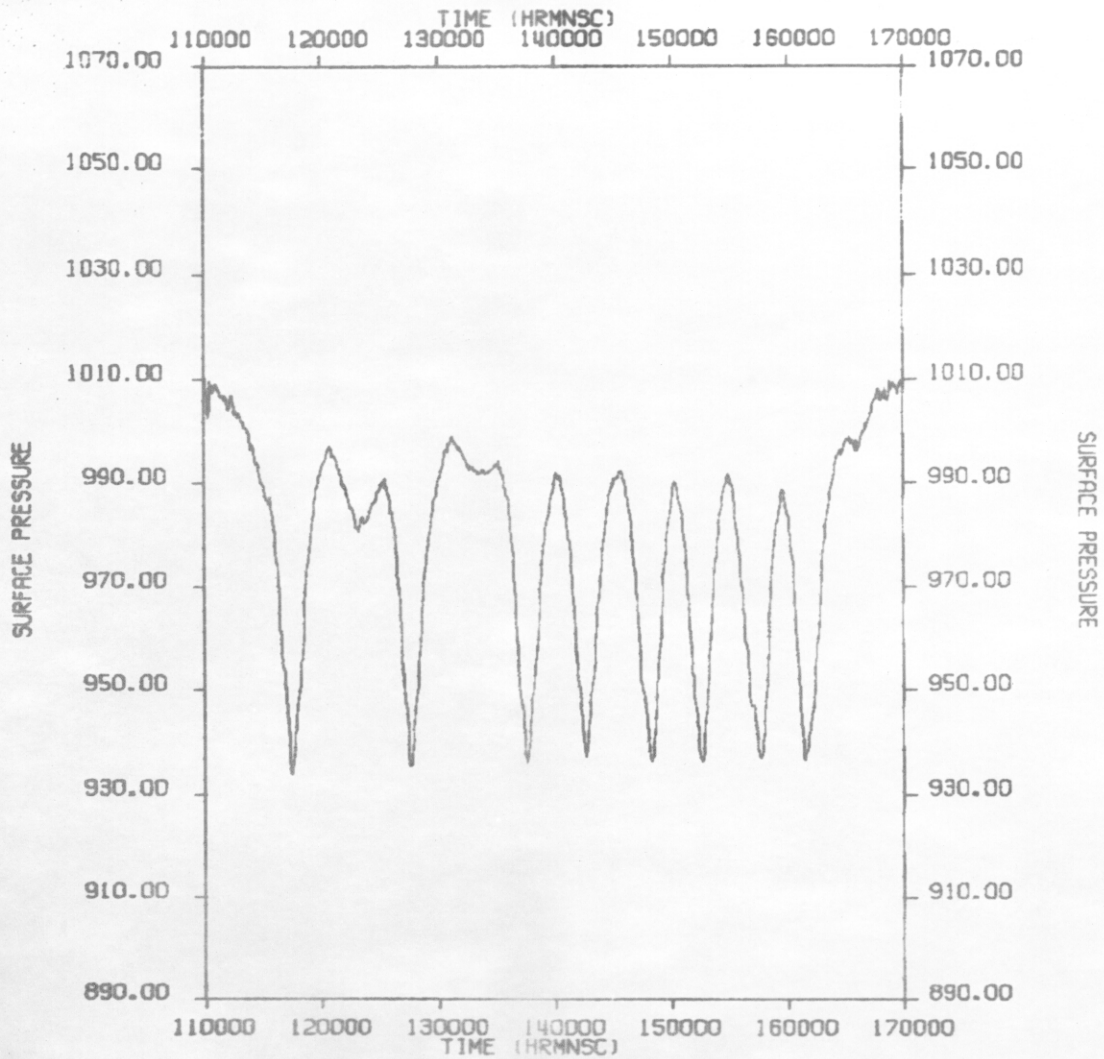
POINT	TIME	POS
3	1133	
2	1145	15° 54.9' 70° 22.8'
1	1203	
4	1232	
2	1247	16° 00' 70° 40'
5	1307	
6	1330	
2	1345	16° 06.7' 71° 02'
7	1402	
2	1416	16° 09.7' 71° 08.2
6	1434	
2	1449	16° 15.3' 71° 22.6
7	1503	
2	1516	16° 11.5' 71° 26.6
6	1531	
2	1546	16° 22.1 71° 33.3
7	1557	
2	1610	16° 21.4 71° 45.6
6	1614	

1640



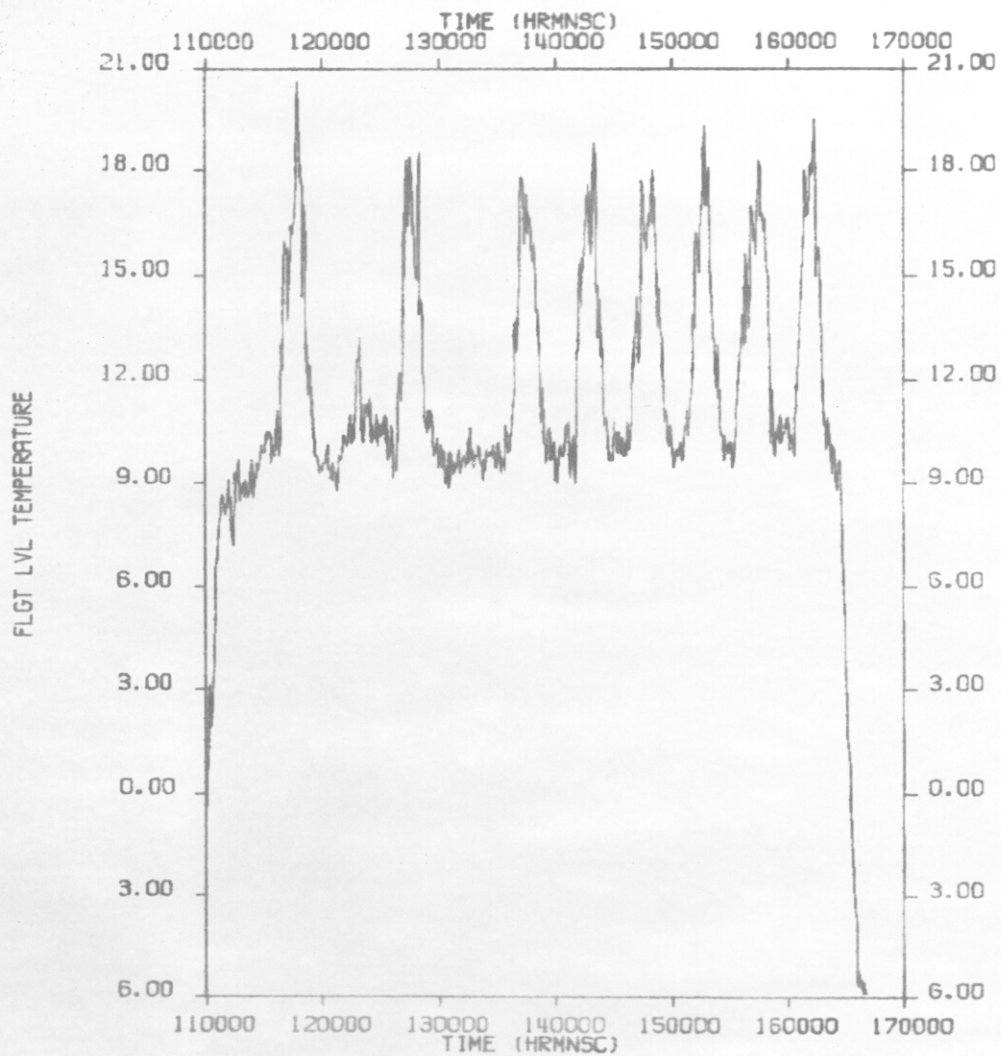
FLIGHT ID=800805F

DATE RUN= 810218



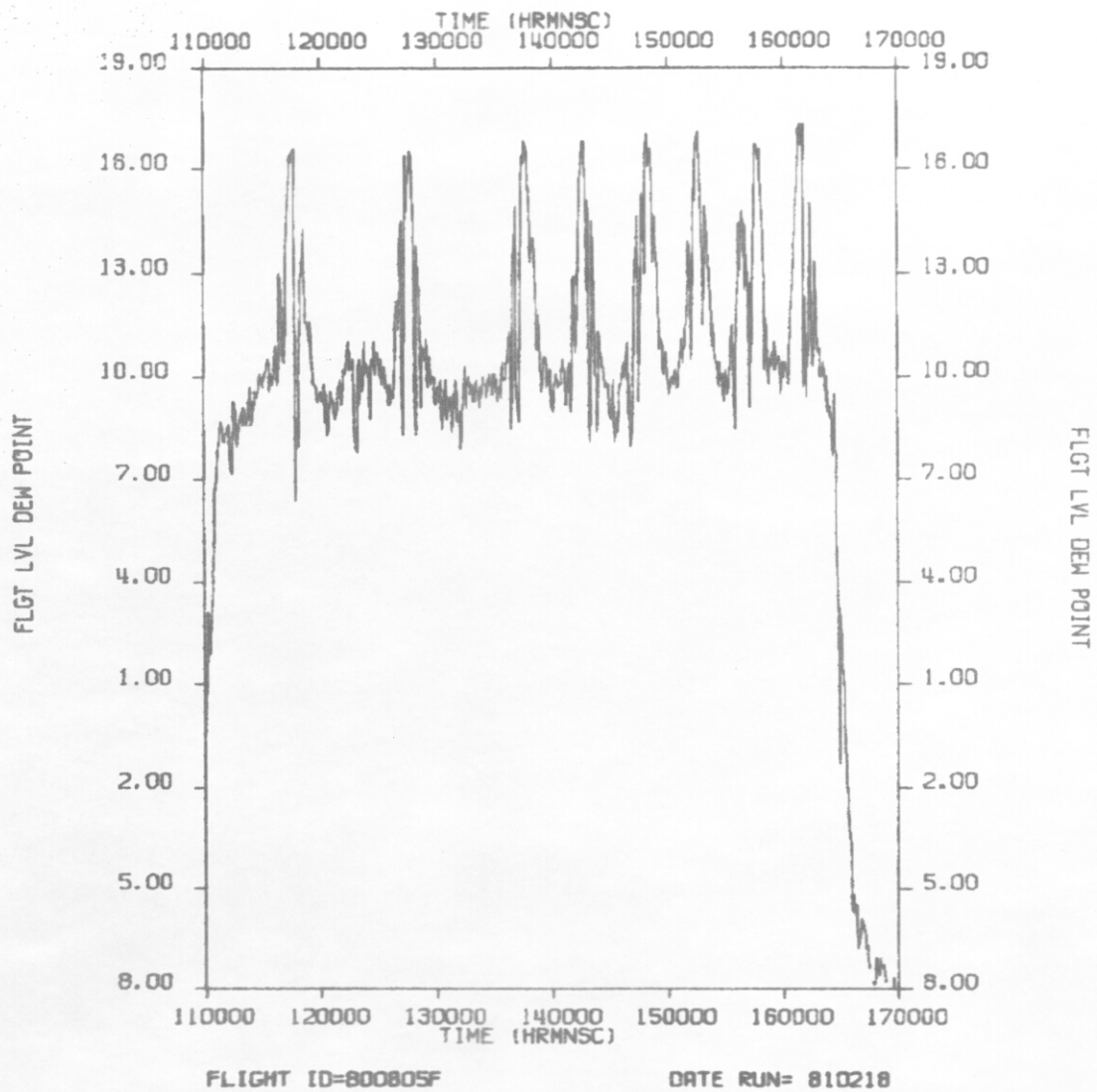
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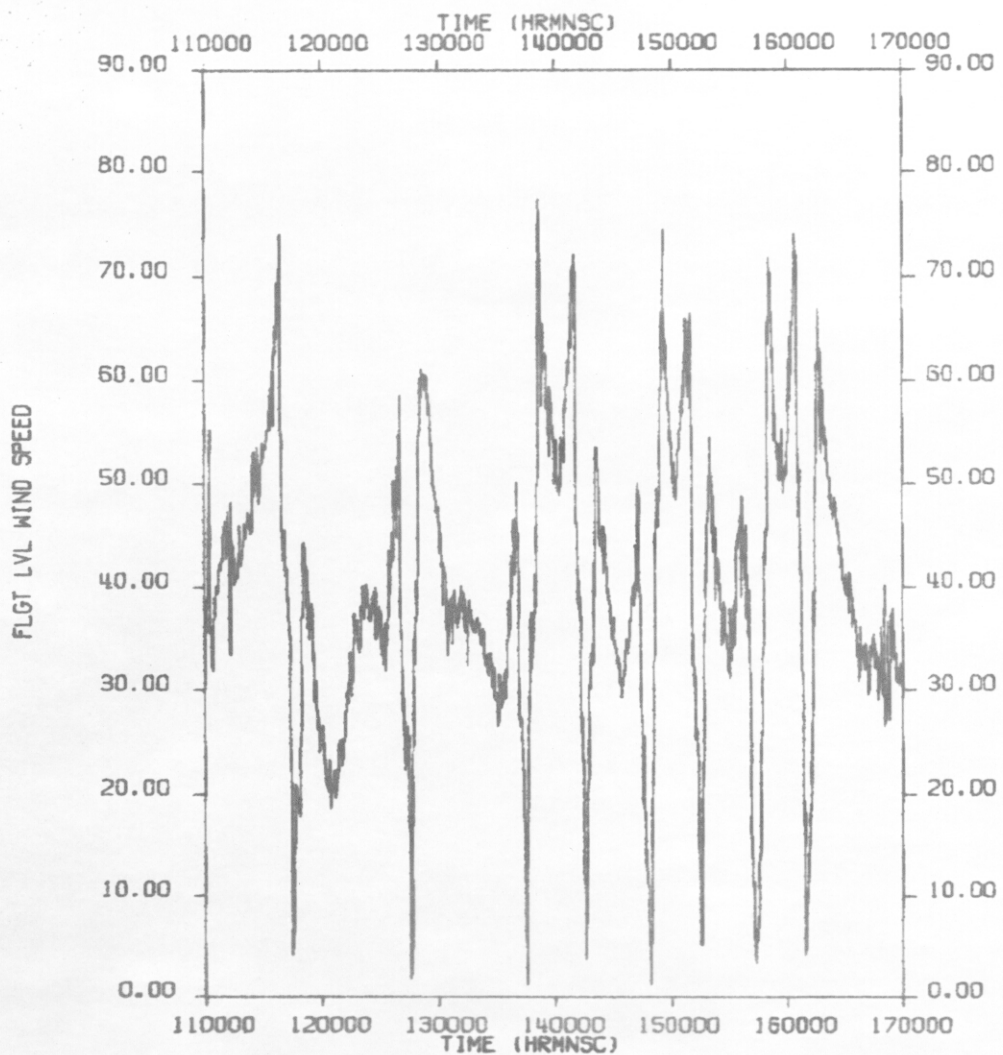
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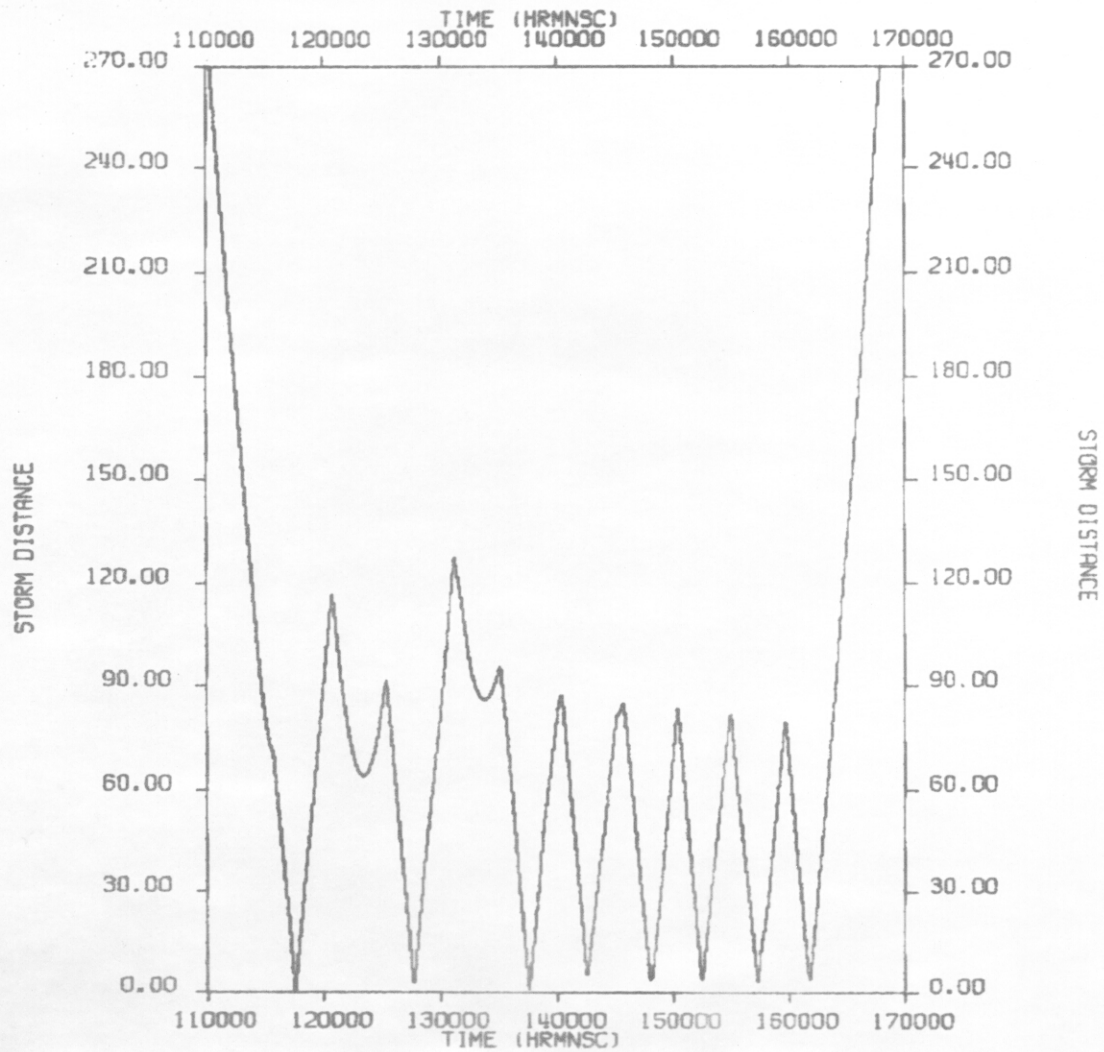
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FLIGHT ID=800805F

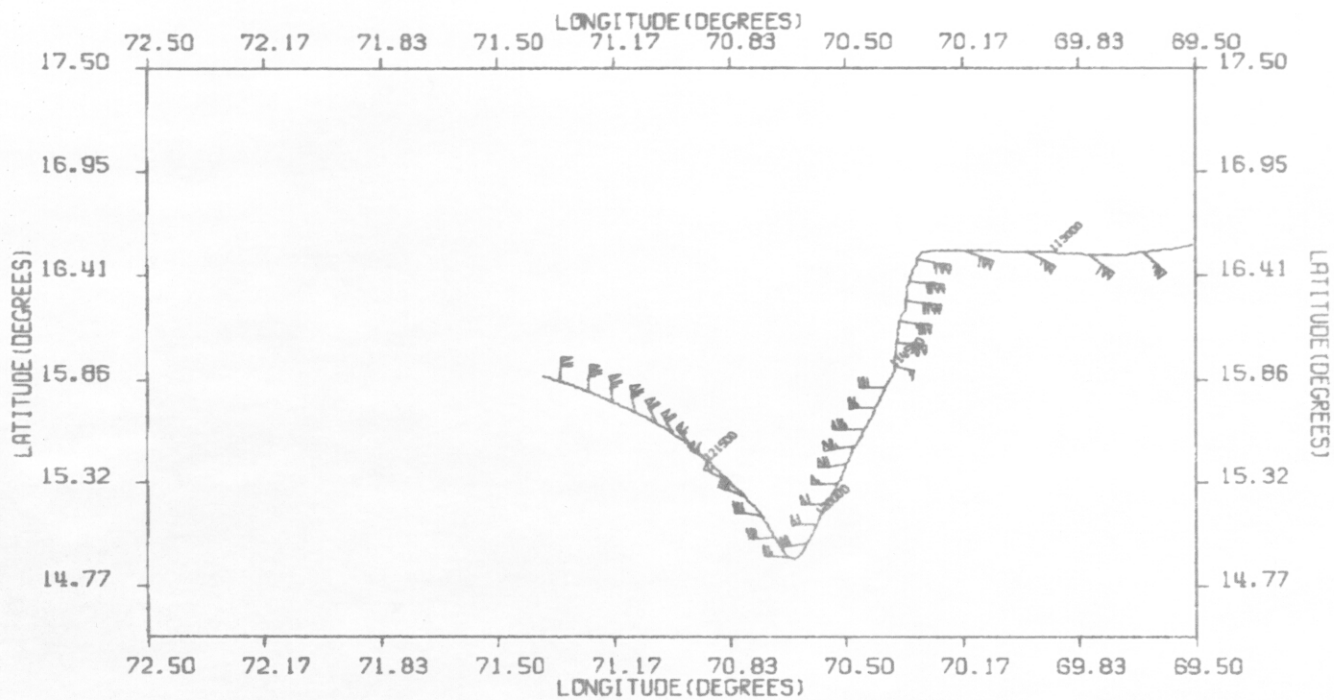
DATE RUN= 810218



FLIGHT ID=800805F

DATE RUN= 810218

FLIGHT TRACK PLOT



FLIGHT ID=800805F

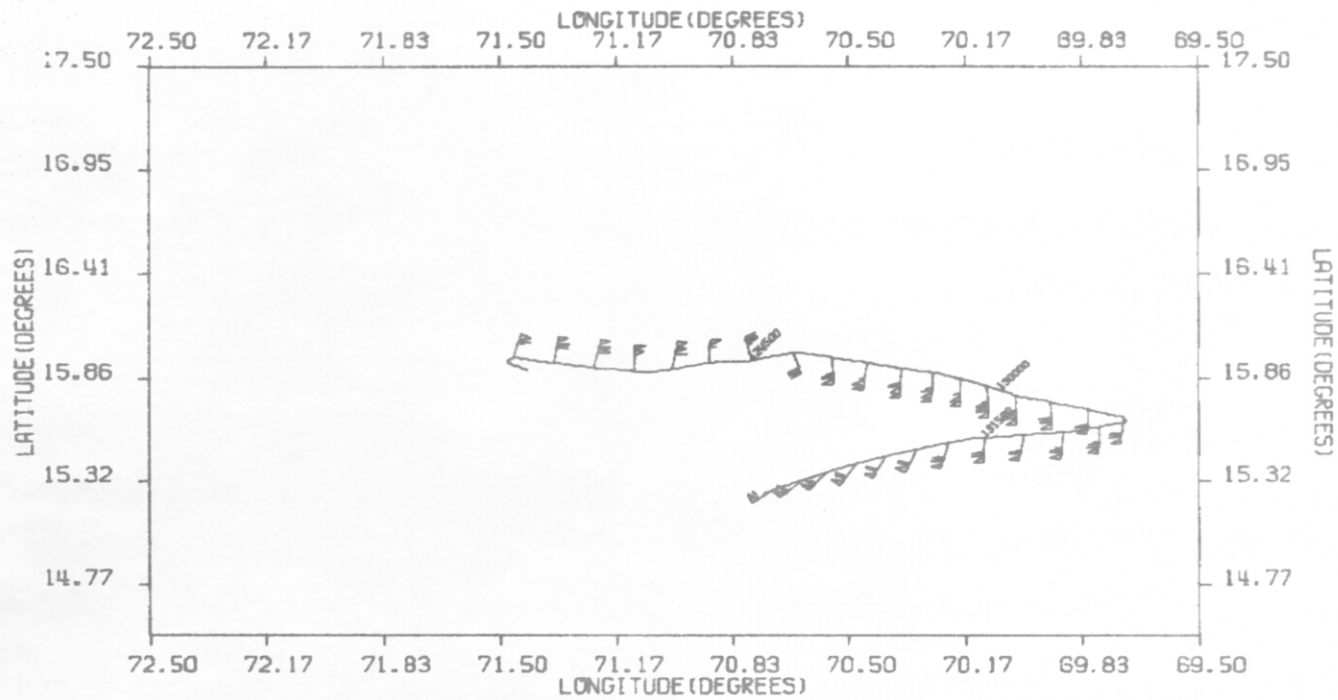
DATE RUN= 810218

BEGIN TIME= 111500

RATE: EVERY 10 SECONDS

END TIME= 123000

FLIGHT TRACK PLOT



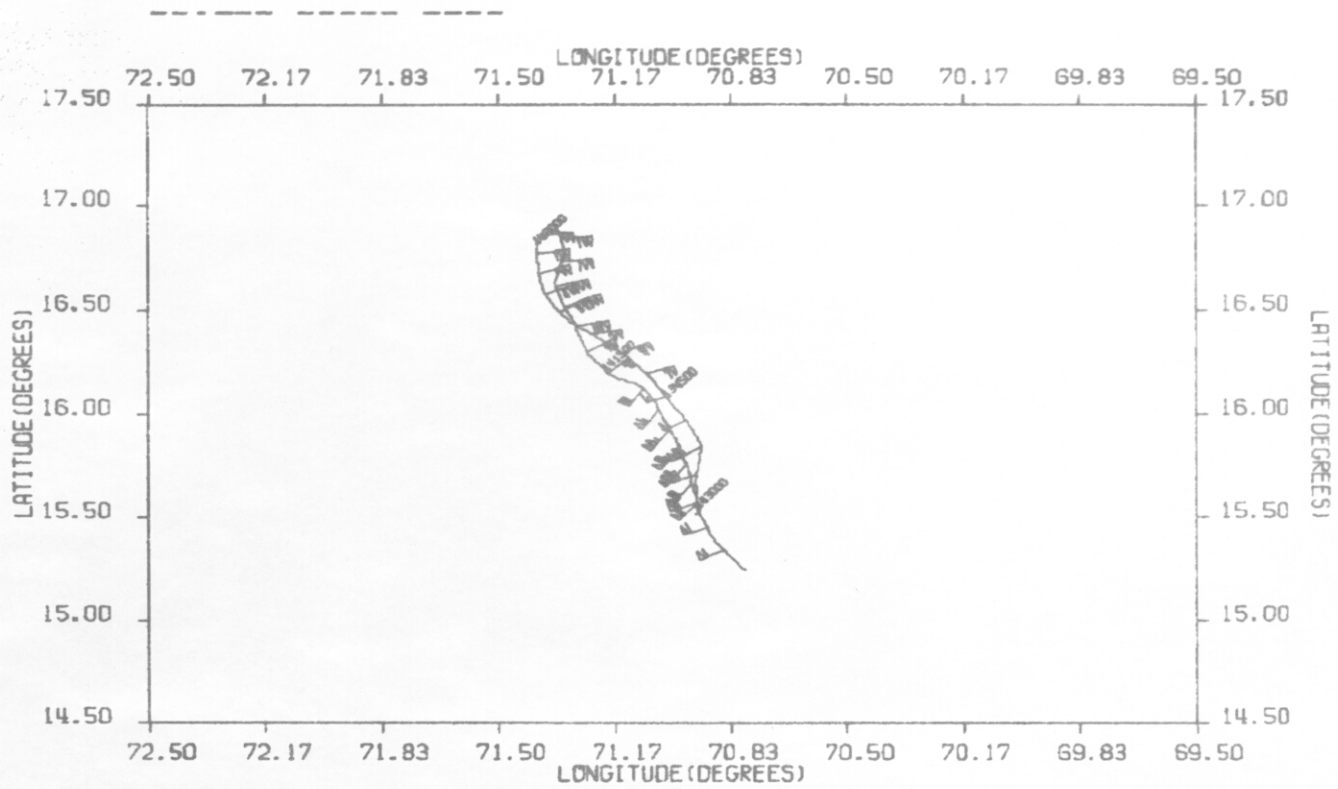
FLIGHT ID=800805F

DATE RUN= 810218

BEGIN TIME= 123100

RATE: EVERY 10 SECONDS

END TIME= 133000



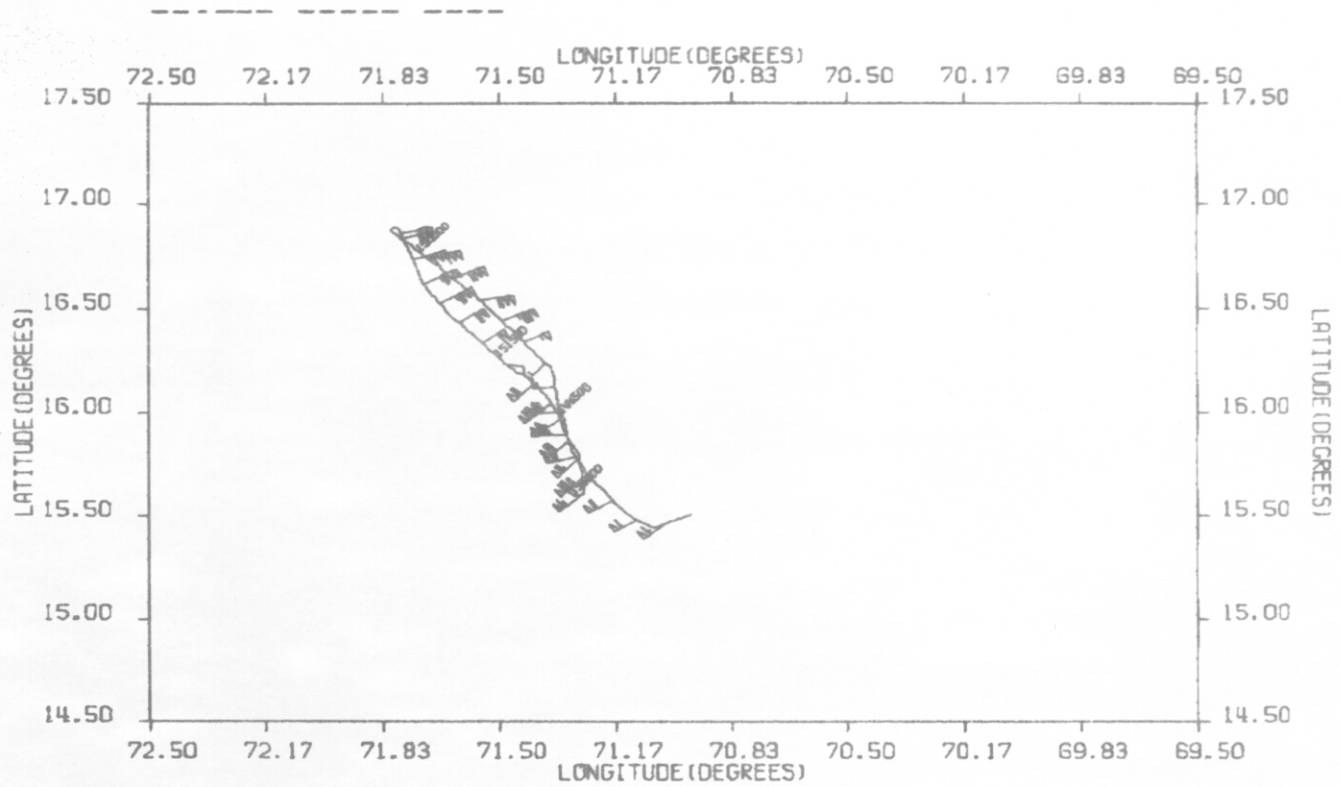
FLIGHT ID=800805F

DATE RUN= 810218

BEGIN TIME= 133100

RATE: EVERY 10 SECONDS

END TIME= 143100



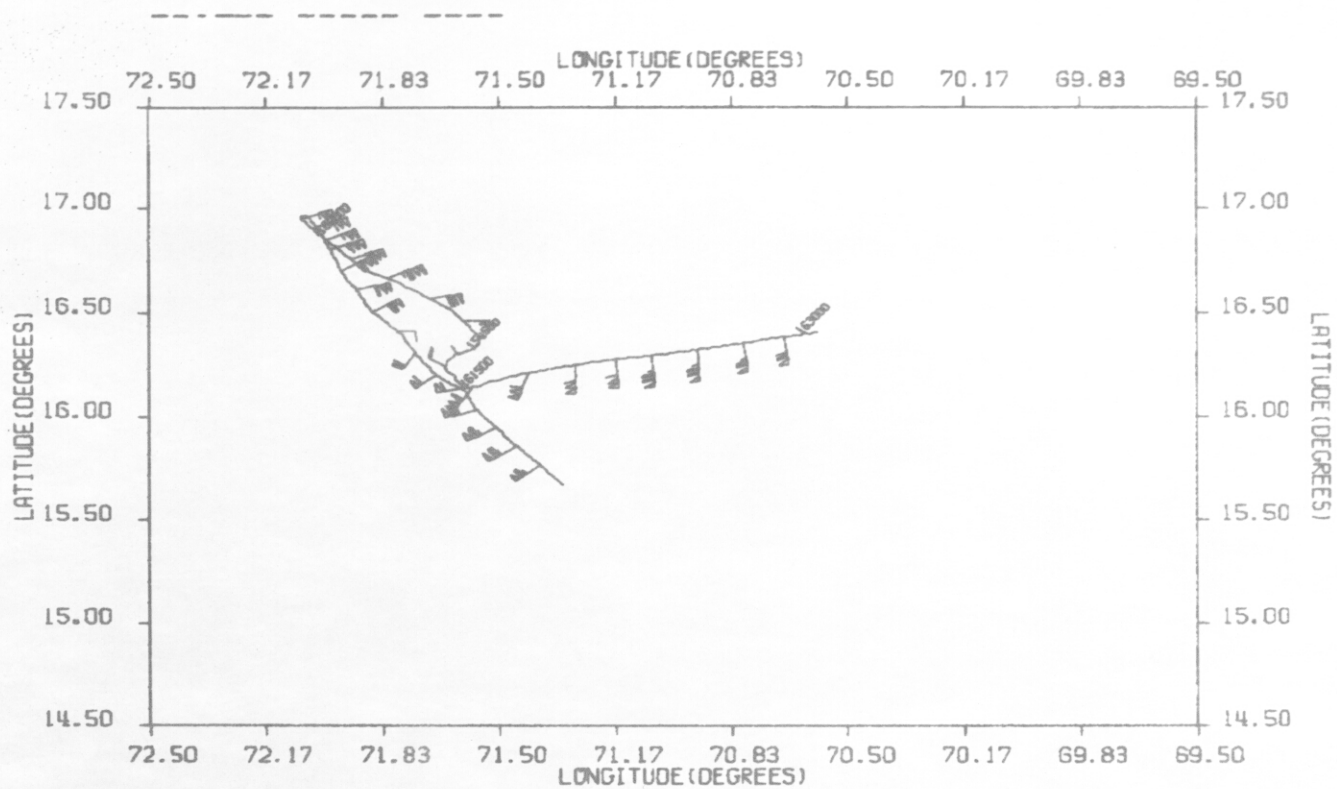
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DATE RUN= 810218

BEGIN TIME= 142900

RATE: EVERY 10 SECONDS

END TIME= 153100



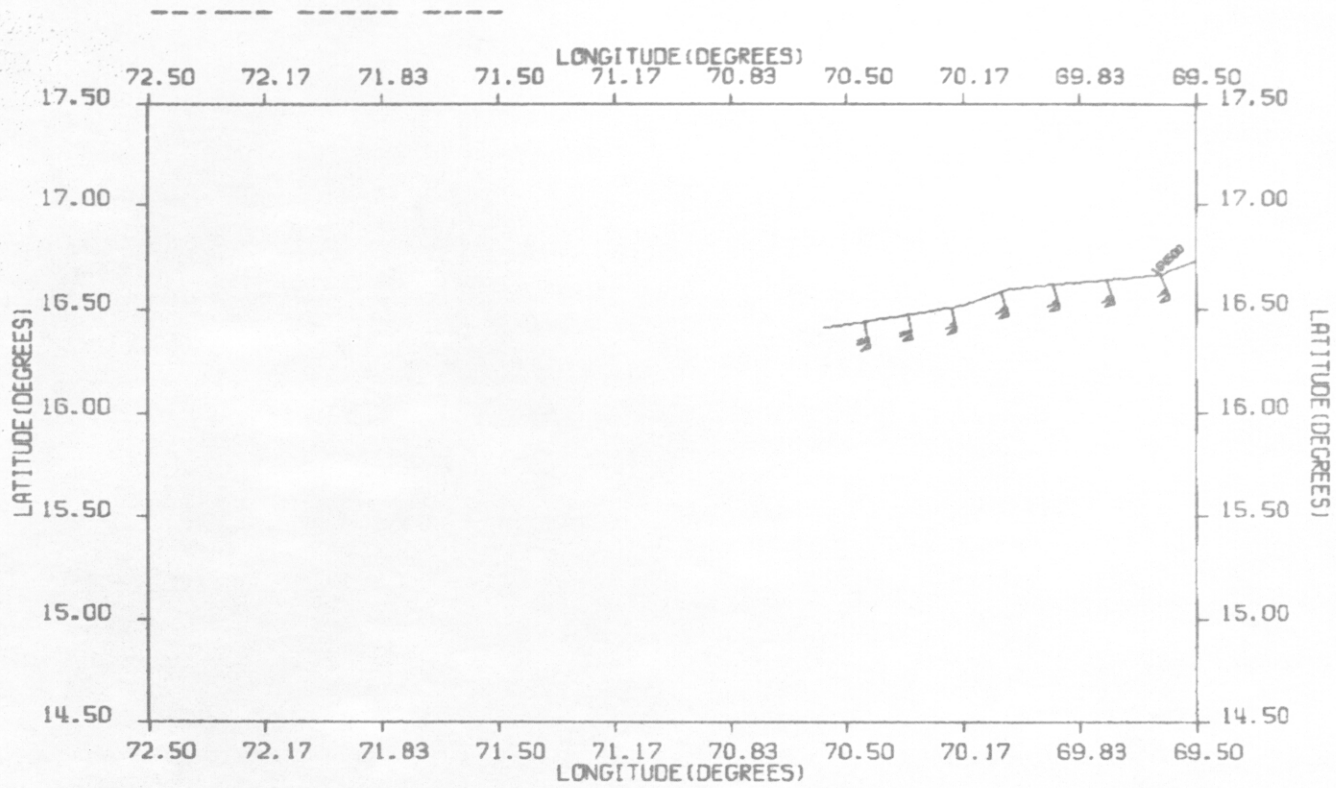
FLIGHT ID=800805F

DATE RUN= 810218

BEGIN TIME= 153000

RATE: EVERY 10 SECONDS

END TIME= 163100



FLIGHT ID=800805F

DATE RUN= 810218

BEGIN TIME= 163000

RATE: EVERY 10 SECONDS

END TIME= 173100