

Appendix J
Operational Checklists

FORM J-1

On-board Lead Project Scientist Checklist

DATE 800808 FI

AIRCRAFT 41C

FLT 1

A. Participants

<u>Function</u>	<u>Participant</u>	<u>Function</u>	<u>Participant</u>
Lead Proj. Sci.	<u>JORGENSEN</u>	Gust Probe	<u>—</u>
Cloud Physics	<u>—</u>	Omega Sonde	<u>—</u>
AXBT	<u>—</u>	Sys Eng	<u>Schwicker</u>
Hot Film	<u>—</u>	Data Tech	<u>Duglanrut</u>
Radar	<u>LIEN</u>	El Tech	<u>Calvert</u>
Rt MET/MET	<u>DARBY</u>	Other	<u>—</u>

Time Off 1623Z Location MIA Time On 0100Z Location New Orleans

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>8/7</u>	<u>21Z</u>	<u>21.5</u>	<u>86.5</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>8/8</u>	<u>10Z</u>	<u>22.8</u>	<u>90.2</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>8/8</u>	<u>18Z</u>	<u>23.8</u>	<u>92.2</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>8/9</u>	<u>06Z</u>	<u>25.0</u>	<u>95.0</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

C. Mission Briefing

Eye wall experiment 42 at 18-20 Kft 41 at
12 Kft and 43 at 5 Kft. 42, 41 8ly PA, 43 RA
Cross patterns - will try to complete two
complete patterns - land at New Orleans

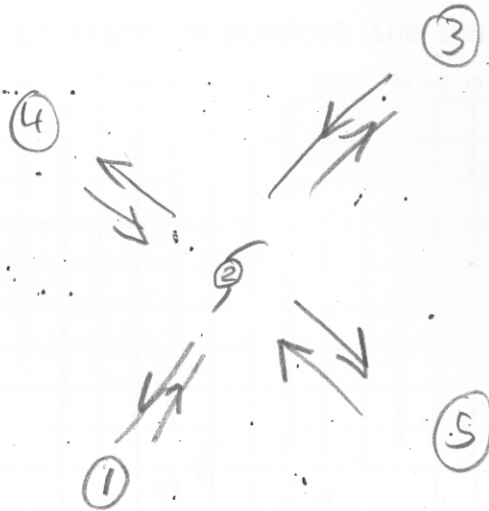
D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	ok	ok		
Radar	ok	ok		
Cloud Physics	-	-		
Data Sys	ok	ok		
Omega Sondas	-	-		
AKBT	-	-		
Gust Probe	-	-		
Hot Film	-	-		
Photography	-	-		

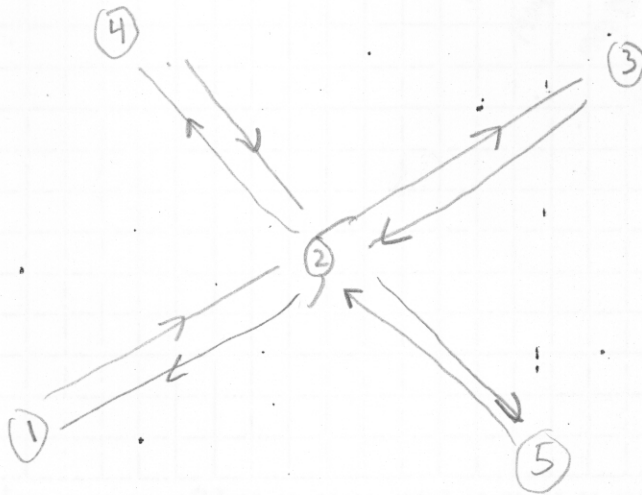
REMARKS

Will try to fly same track as 43 on its
 1500 ft leg to storm for NASA
 43 will drop BT at initial pt.
 ETA IP 1850 ±
 1823 43 at 23.92 89.89 146° 30 m sec⁻¹ 23.9
 SST

E. Proposed Flight Patterns



F. Actual Flight Patterns



5-2-4-2-1-2-3-2-5
Done at 12kft

5-2-4-2-1-2-3
then to New Orleans

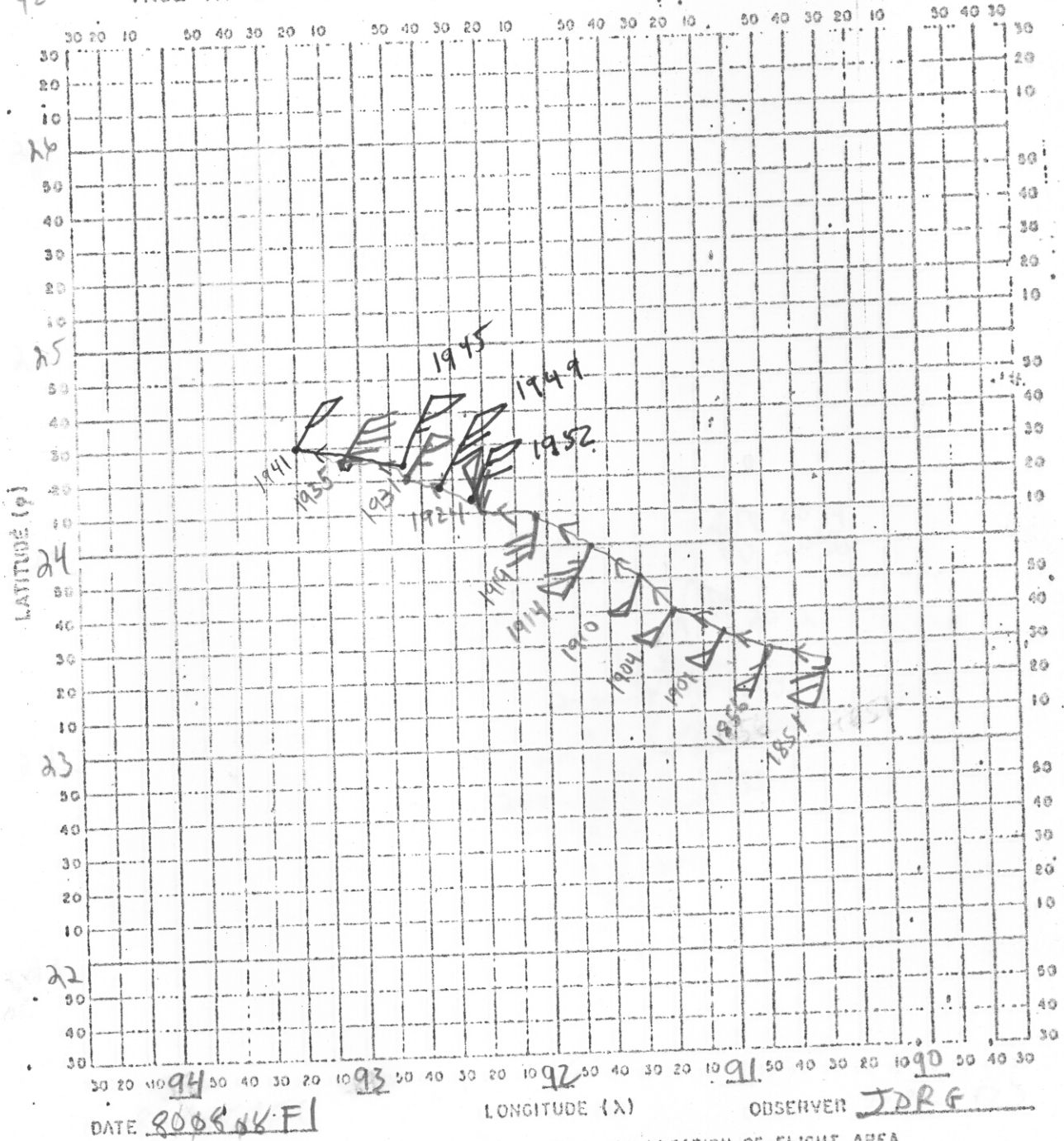
Drops on do or last
Pass through

937

24 10.5', 934
92 06.7'

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

①

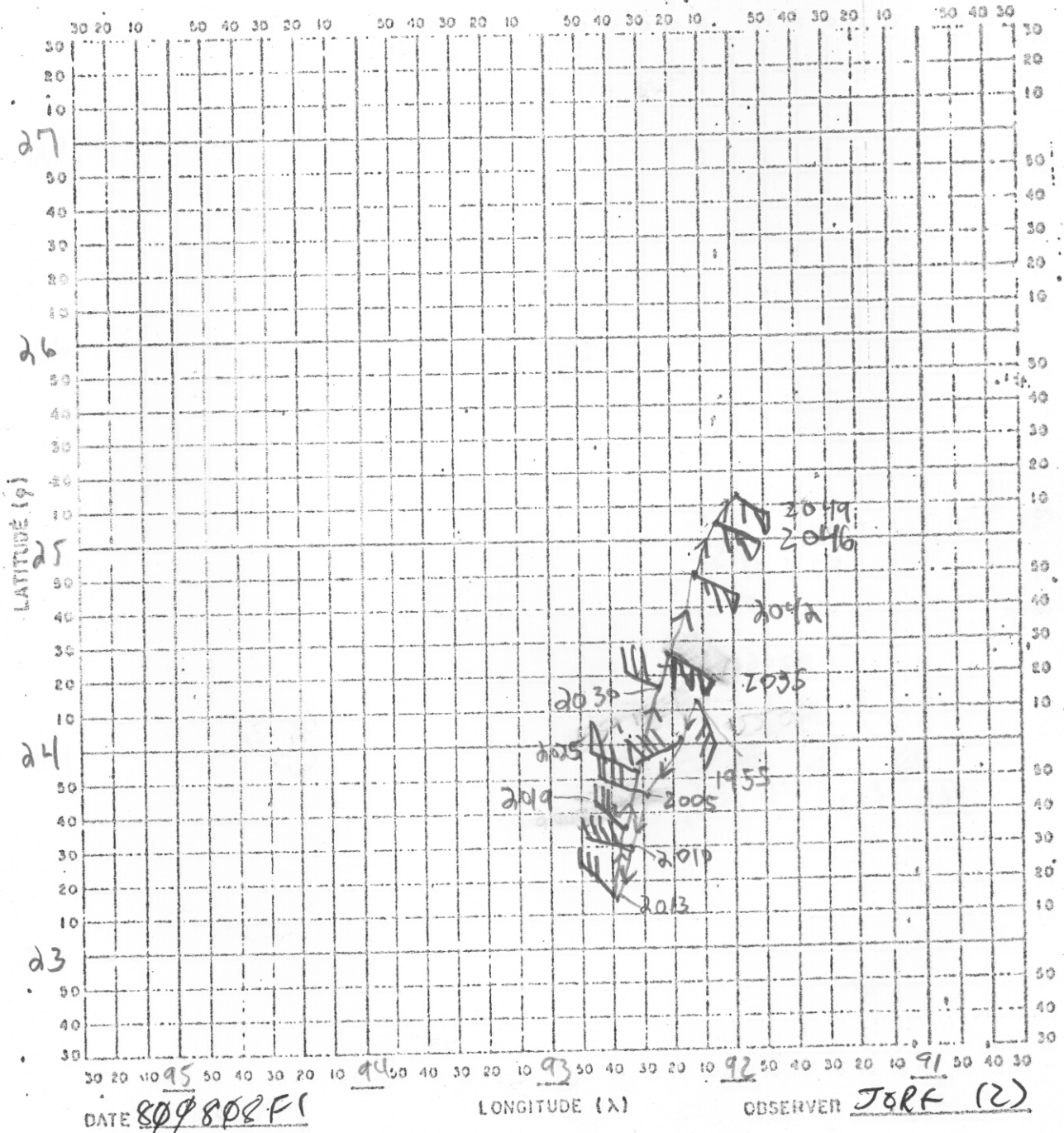
18 kft

These are knots

930 mb
928 mb

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ

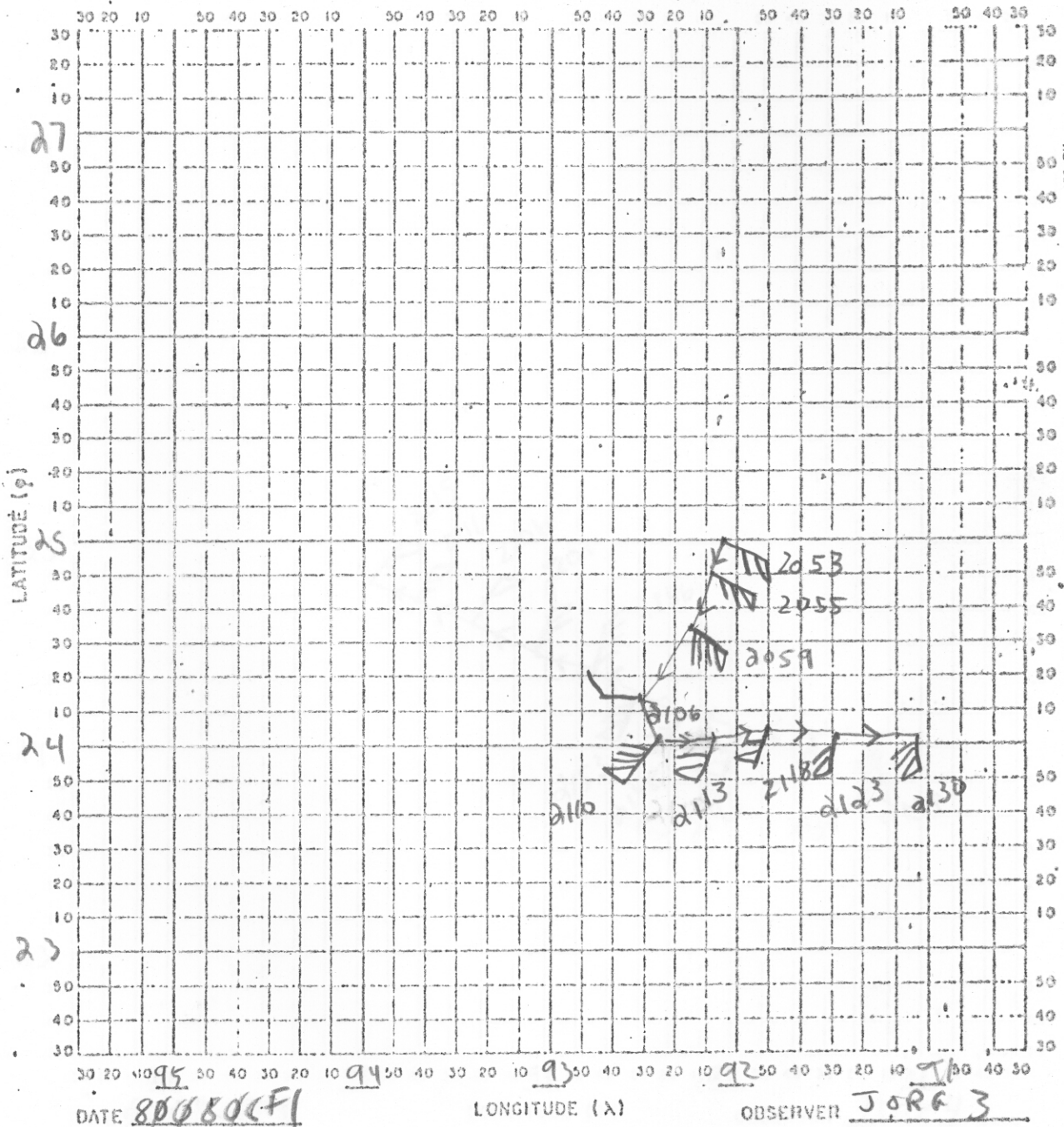


NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

Knots

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ

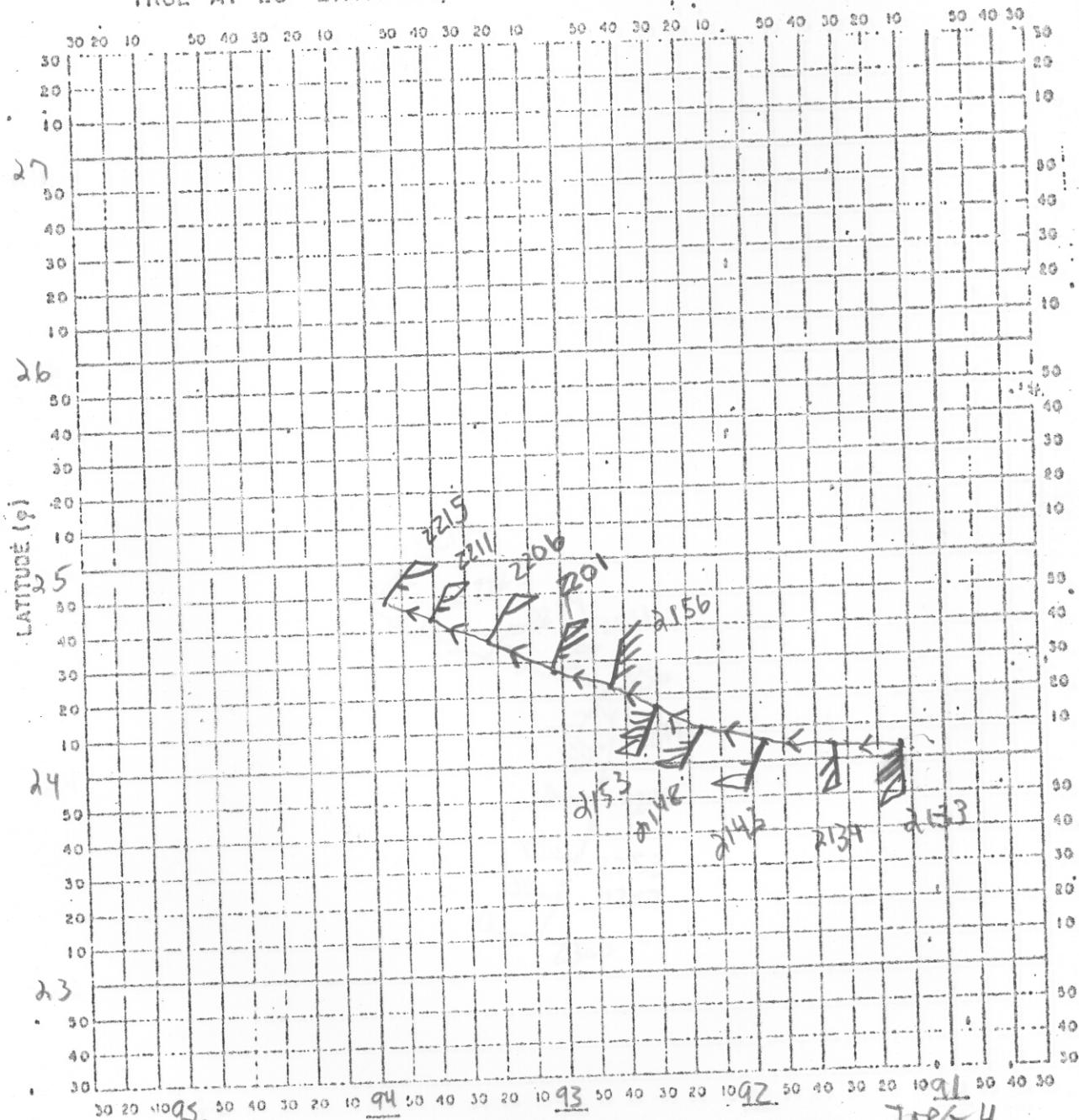


NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

24.21.6.917
92 42.1

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



DATE 800808F1

LONGITUDE (λ)

OBSERVER JRB 4

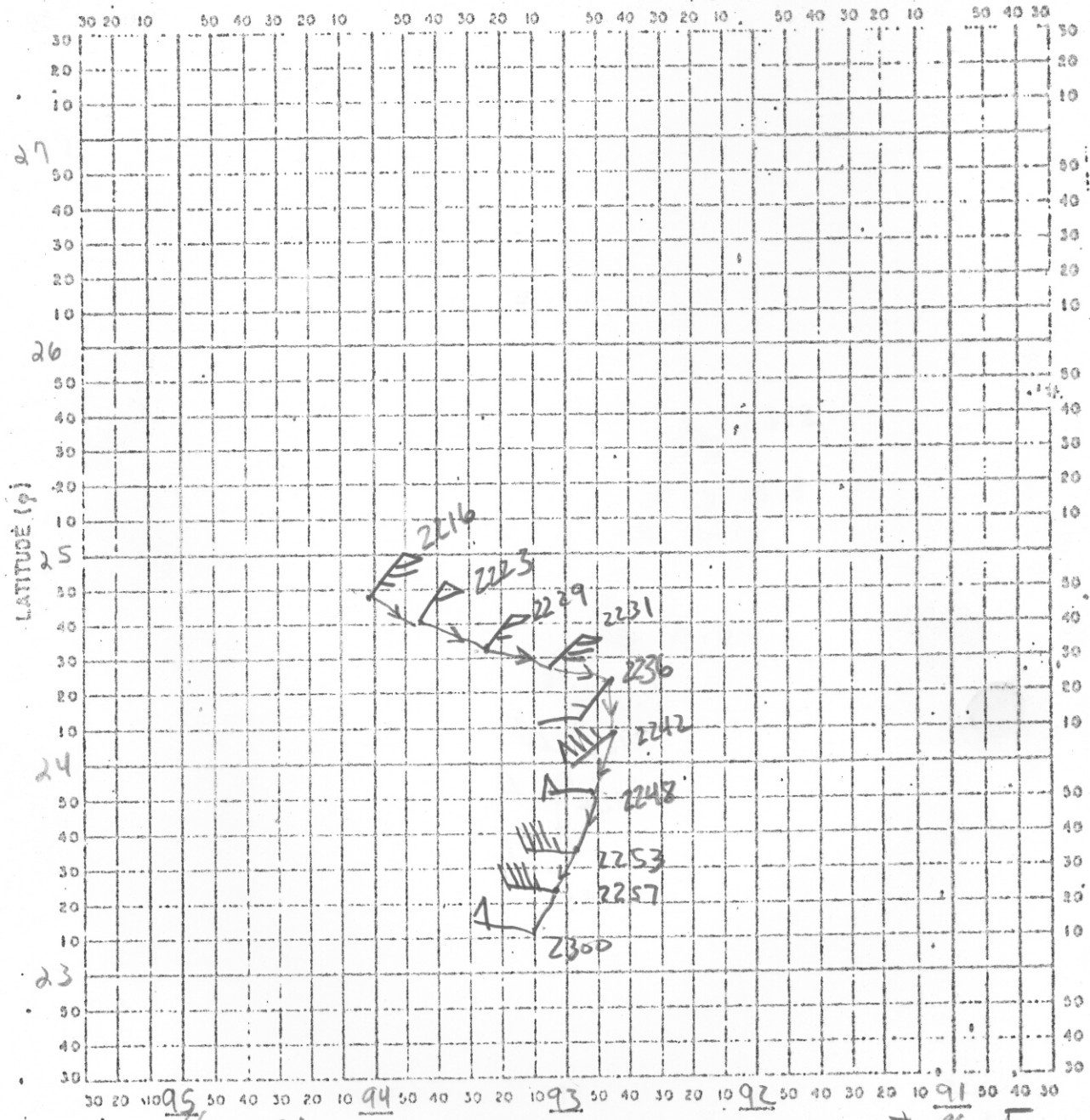
NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

Knots 18 K/H

913

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



DATE 800808 F1

LONGITUDE (λ)

OBSERVER JORC 5

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

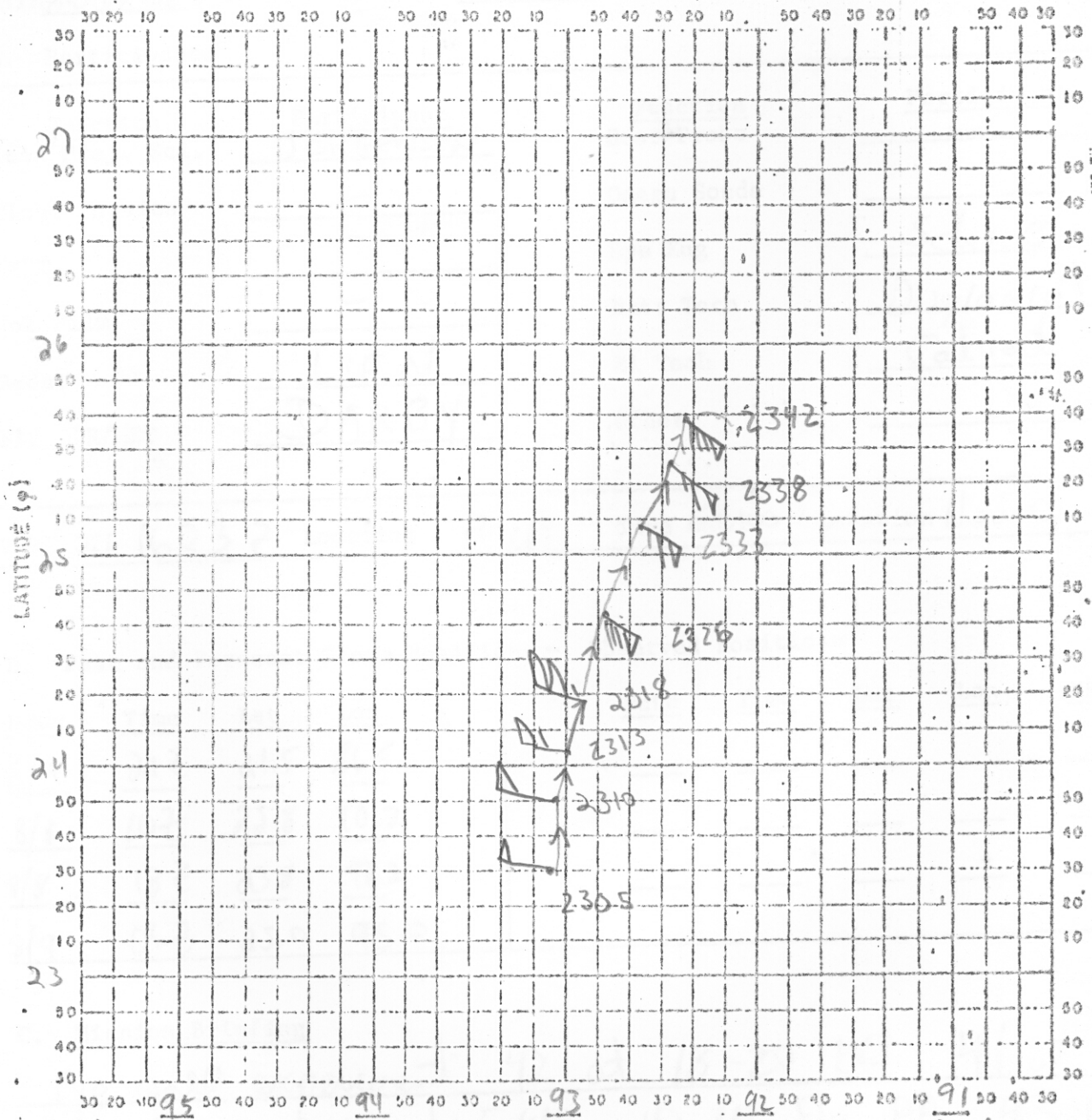
Form J-1, Page 4

Drops on de 913 mb 27°C SFC

912

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



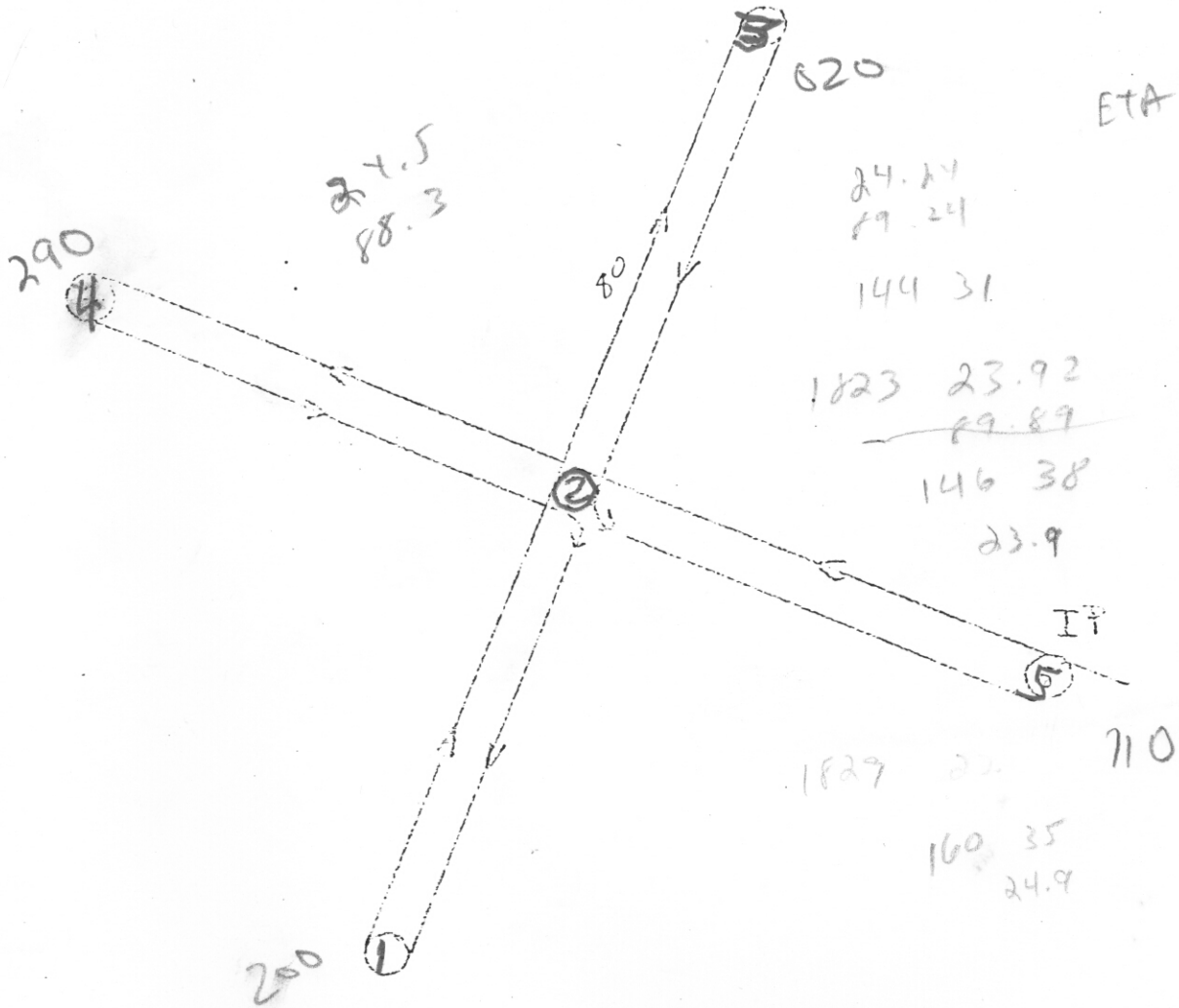
DATE 800208F1

LONGITUDE (λ)

OBSERVER JRF 6

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

A/C MODIFIED EYE-WALL EXP
OPTION B

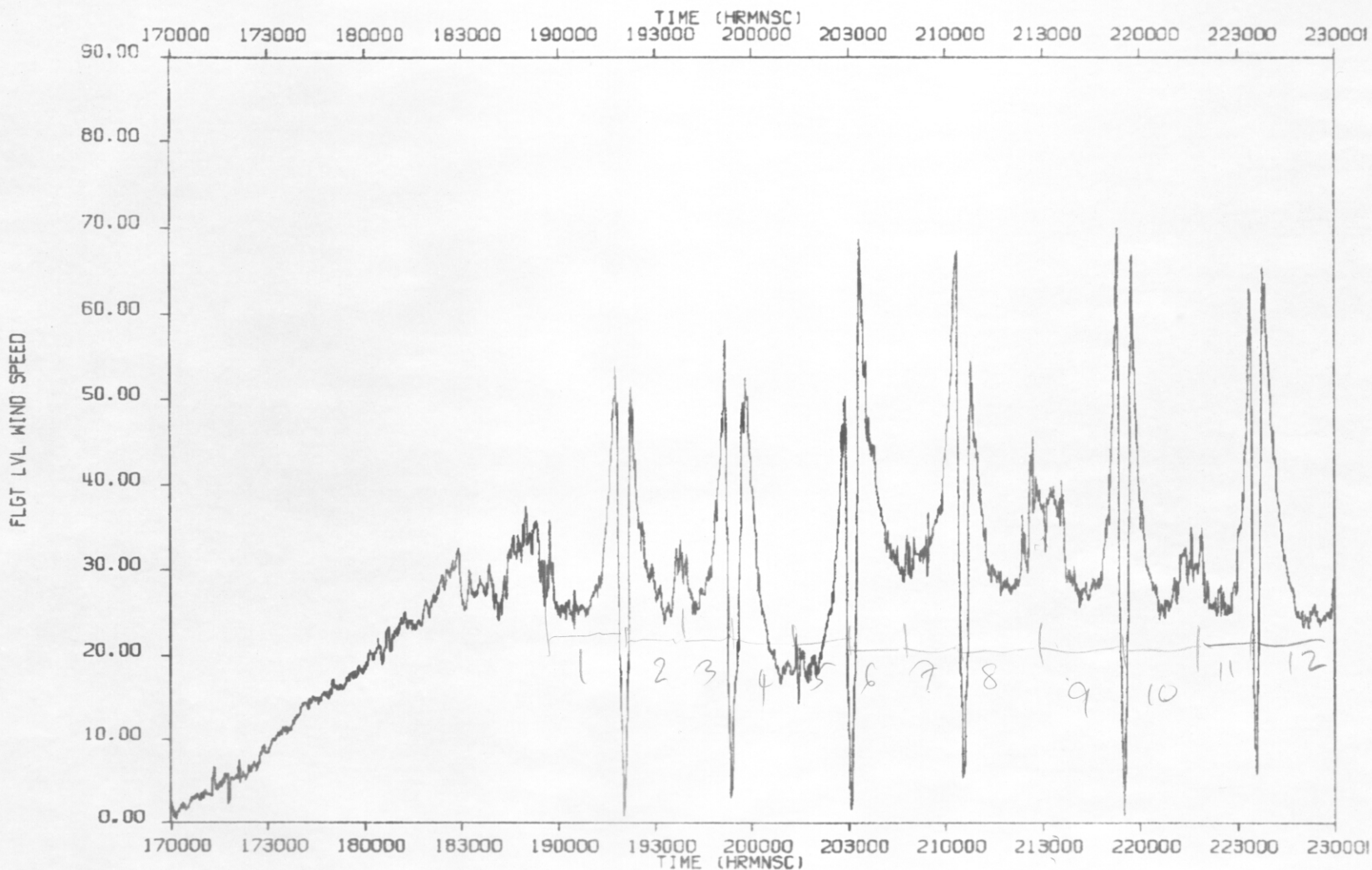


ALL AIRCRAFT FLY 5,2,4,2,1,2,3,2,5,2,4,...

FOR DURATION

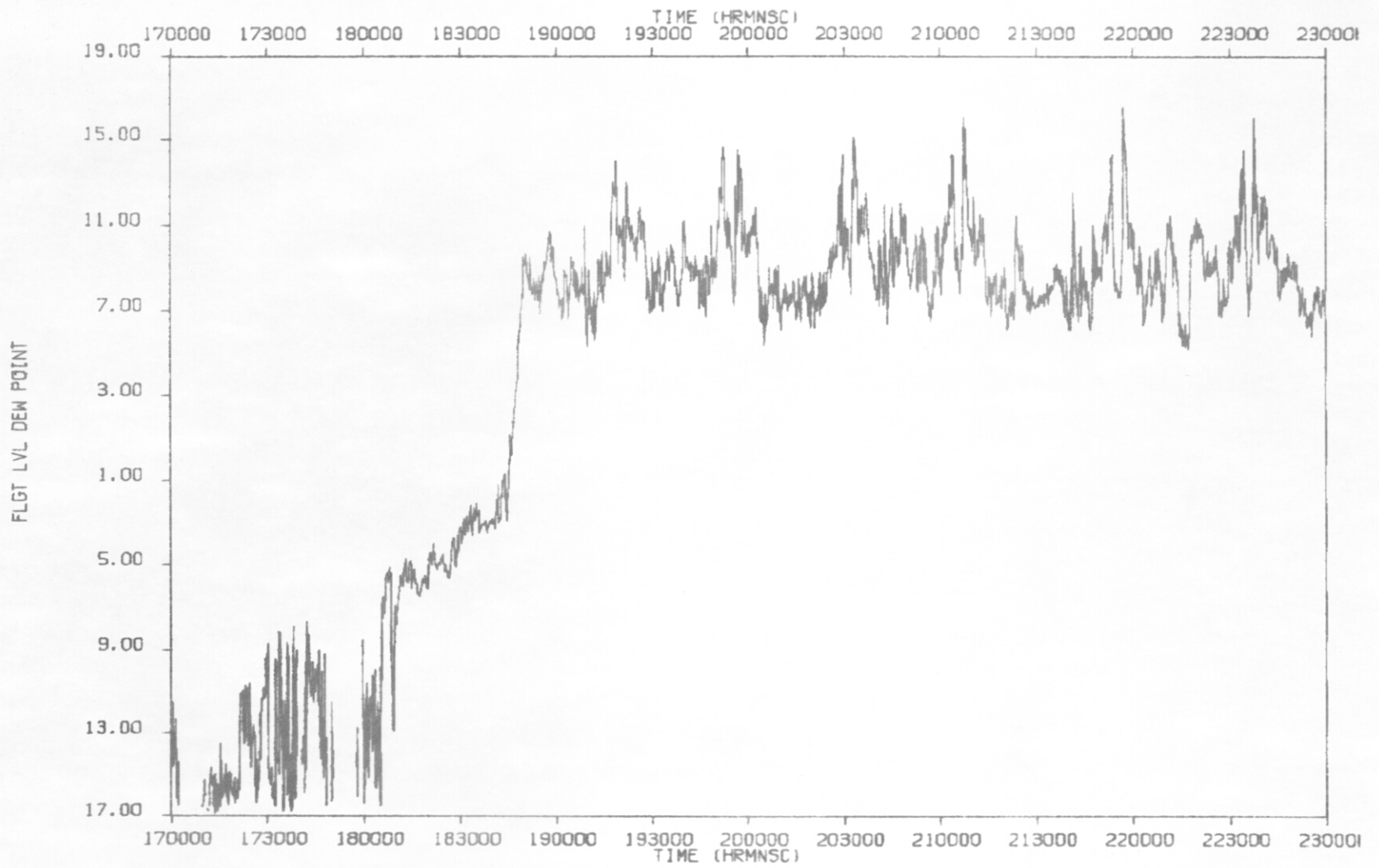
ALTITUDES 41C 12000 FT
 42RF 18-20000 FT
 43BF 5000

OPTION B WILL BE FLOWN IF THE
EYE IS LARGE OR IF A SECONDARY
WIND MAXIMUM IS PRESENT



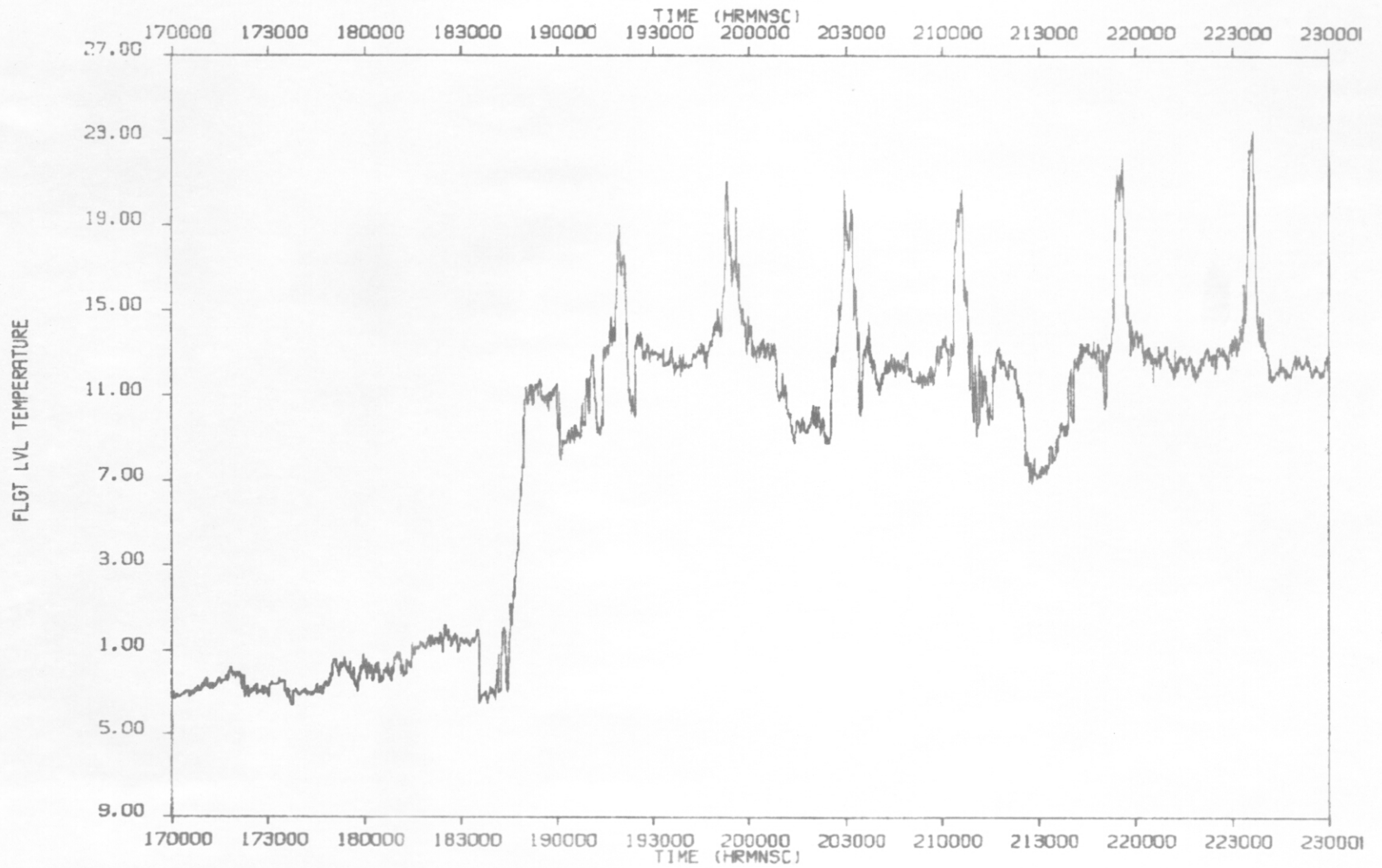
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DATE RUN= 810303



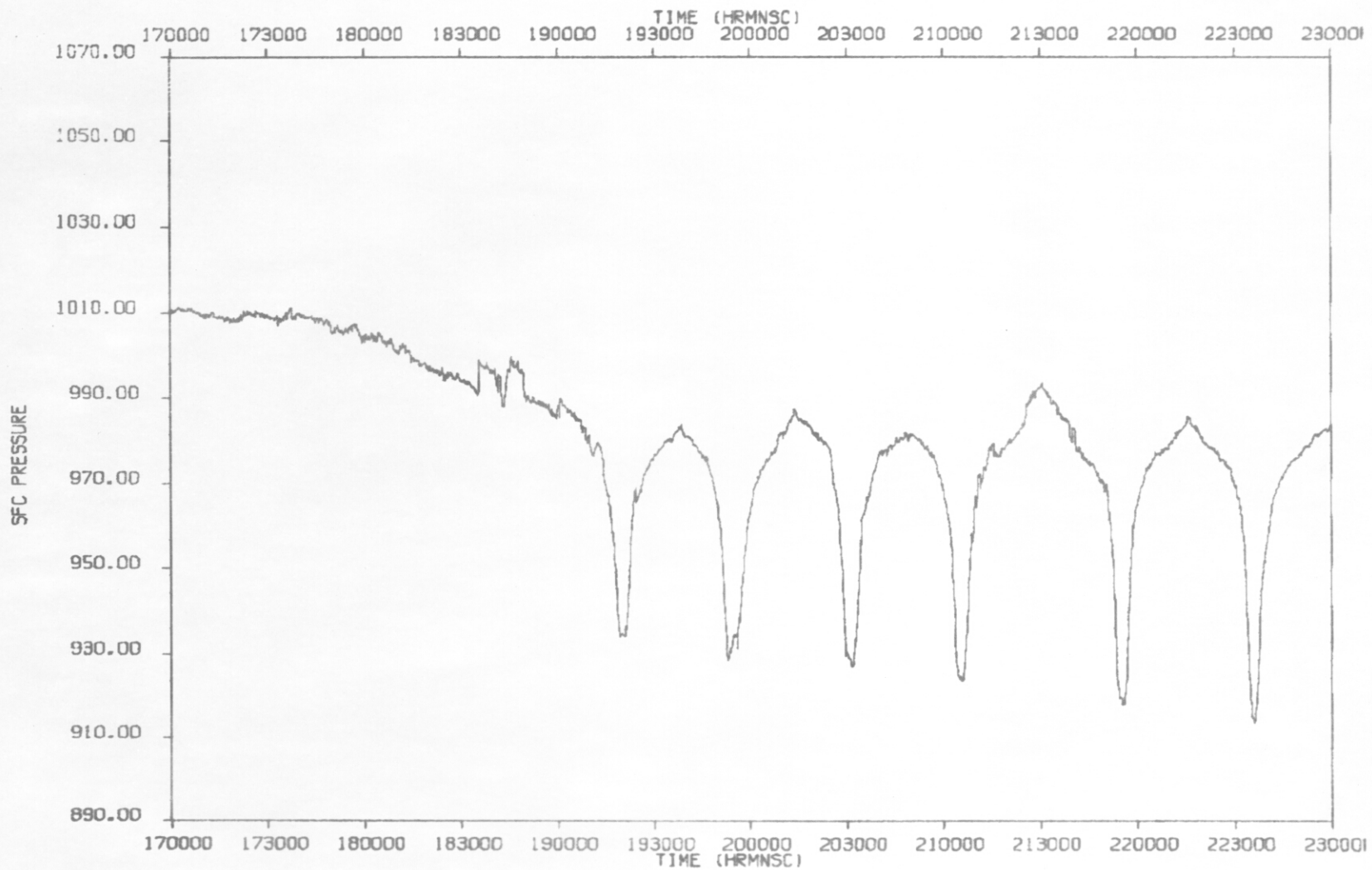
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DATE RUN= 810303



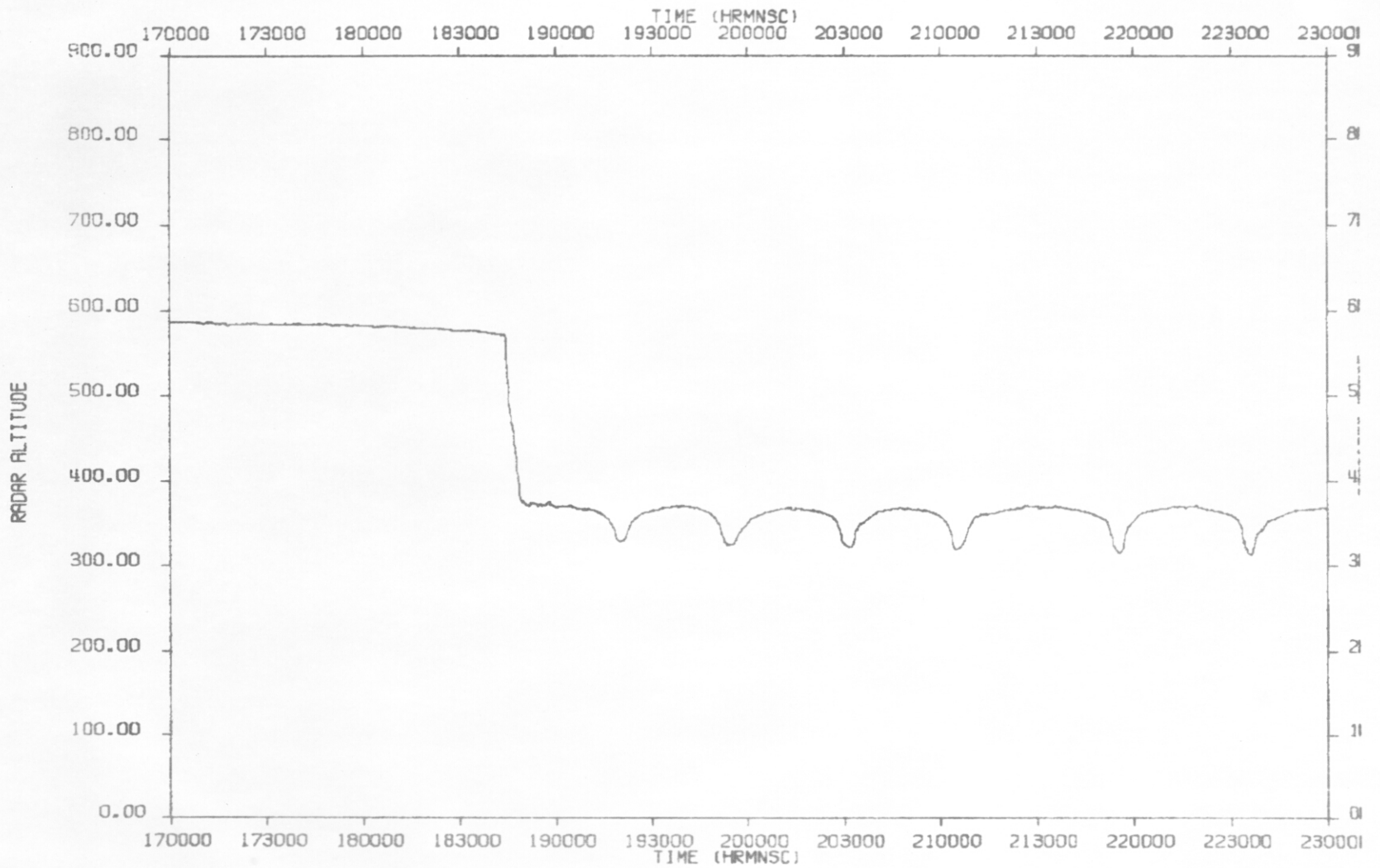
FLIGHT ID=800808F

DATE RUN= 810303



FLIGHT ID=800808F

DATE RUN= 810303



FLIGHT ID=800808F

DATE RUN= 810203

