

Appendix J
Operational Checklists

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8/5/80

AIRCRAFT 42RF

FLT 800805 H1

A. Participants

<u>Function</u>	<u>Participant</u>	<u>Function</u>	<u>Participant</u>
Lead Proj. Sci.	<u>JORGENSEN</u>	Gust Probe	_____
Cloud Physics	<u>R. Black</u>	Omega Sonde	_____
AXBT	_____	Sys Eng	<u>Dugonut</u>
Hot Film	_____	Data Tech	<u>BRUNSON</u>
Radar	<u>Wirtel/Parrish</u>	EI Tech	<u>CONNORS</u>
Flt DIR/MET	<u>Rossby</u>	Other	<u>Zysko</u>

Time Off 1023 Z Location San Juan Time On 2015 Location San Juan

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>
..								
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

C. Mission Briefing

Because of reported small eye diameter, will fly through
the eye before making turn on 330-150 heading. Fly
figure 4 first at 15kft with 41 at 10kft and
43 at 5kft. No box pattern. Will try to optimize
cloud physics measurements above the 0°C. Will try
to drop more than 1 sonde in eye

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	OK	OK		
Data Sys	OK	OK		
Omega Sondas	OK	6 launched		
AXBT				
Gust Probe				
Hot Film				
Photography				

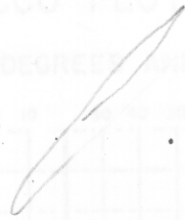
REMARKS

AZDEC going out OK
 photography OK side, forward camera 2 sec/frame
 Went through all 31 Knollenberg tapes
 17 radar tapes used

E. Proposed Flight Patterns

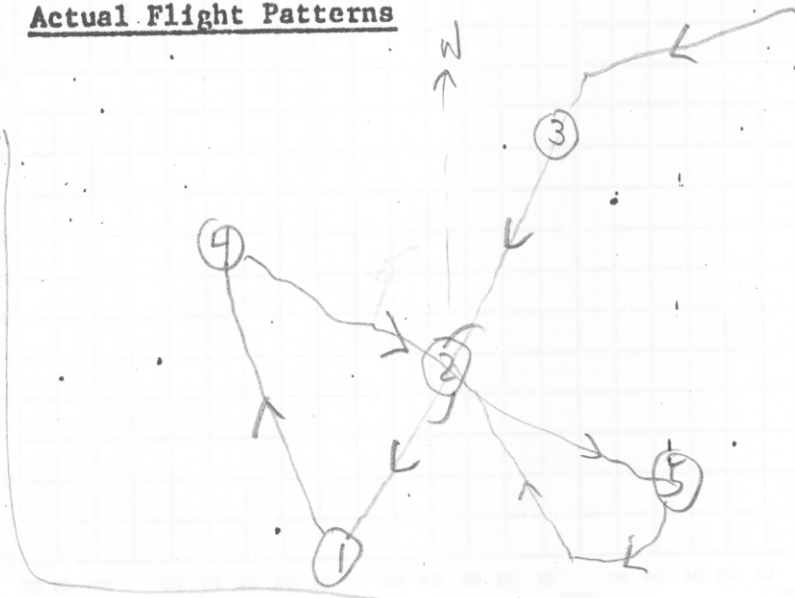


15Kft.



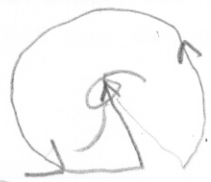
15Kft, 18, 22, 25 Kft

F. Actual Flight Patterns



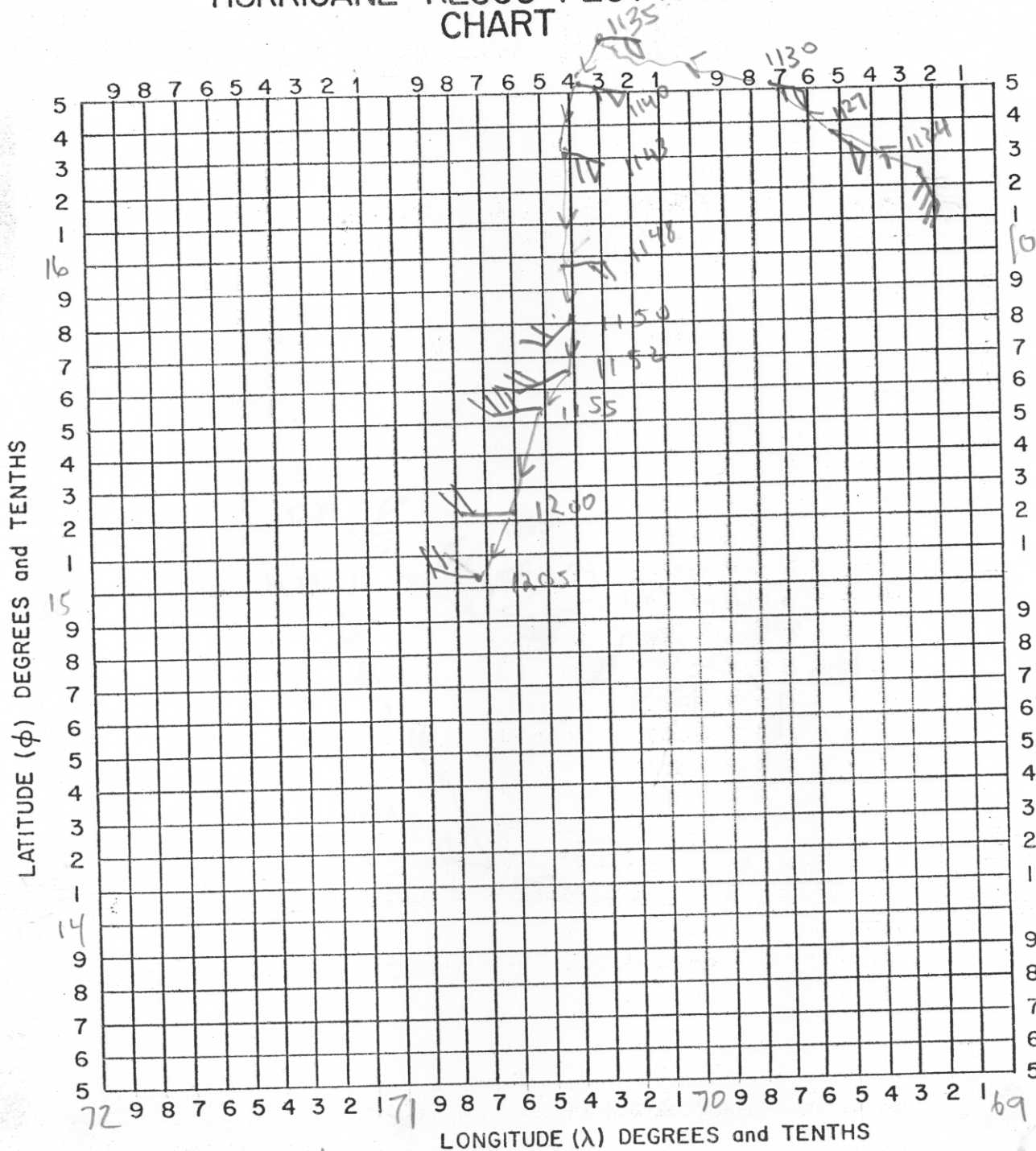
<u>OUTBOUND</u>	<u>INBOUND</u>
15K	18K
18K	18K
18K	15K
15K	20K
20K	20K

Went down 1st rainband at 20Kft



Start step descent on way home through rainband at R = 120 W-mc

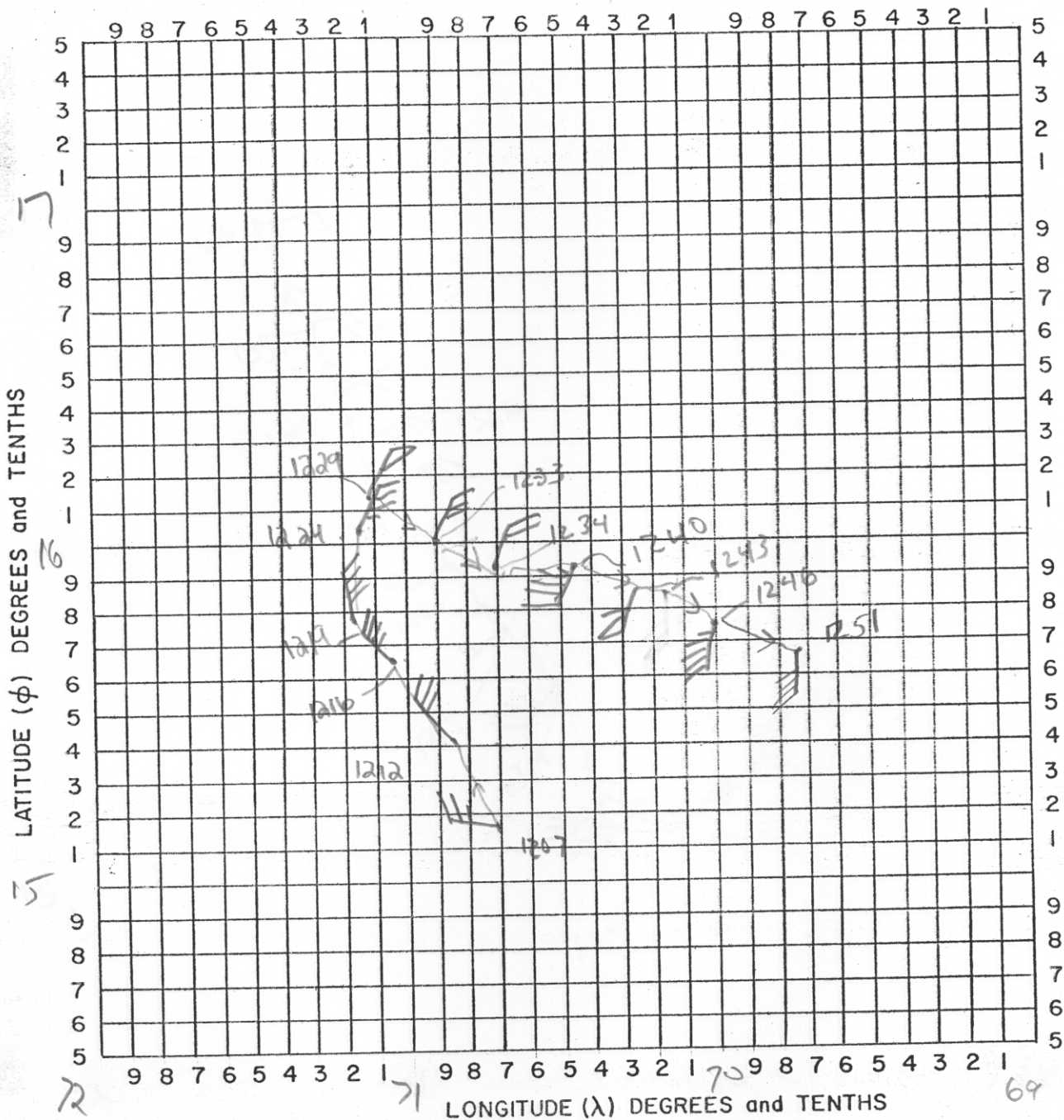
HURRICANE RECCO PLOTTING CHART



DATE 800805H1
 OBSERVER JORG

NOTE: Label full degrees according to location of flight area *

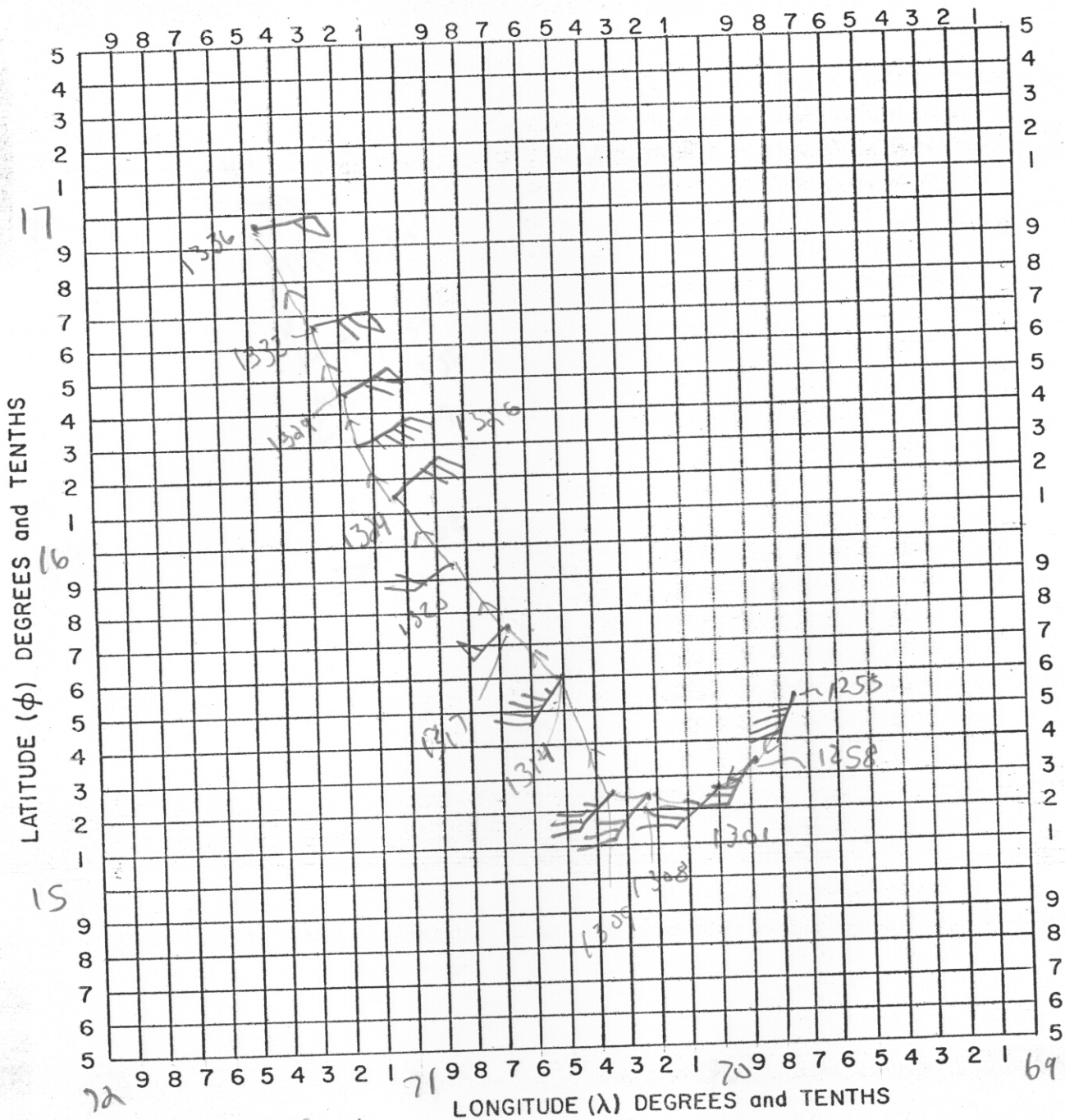
HURRICANE RECCO PLOTTING CHART



DATE 800805H1
 OBSERVER JORG 2

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

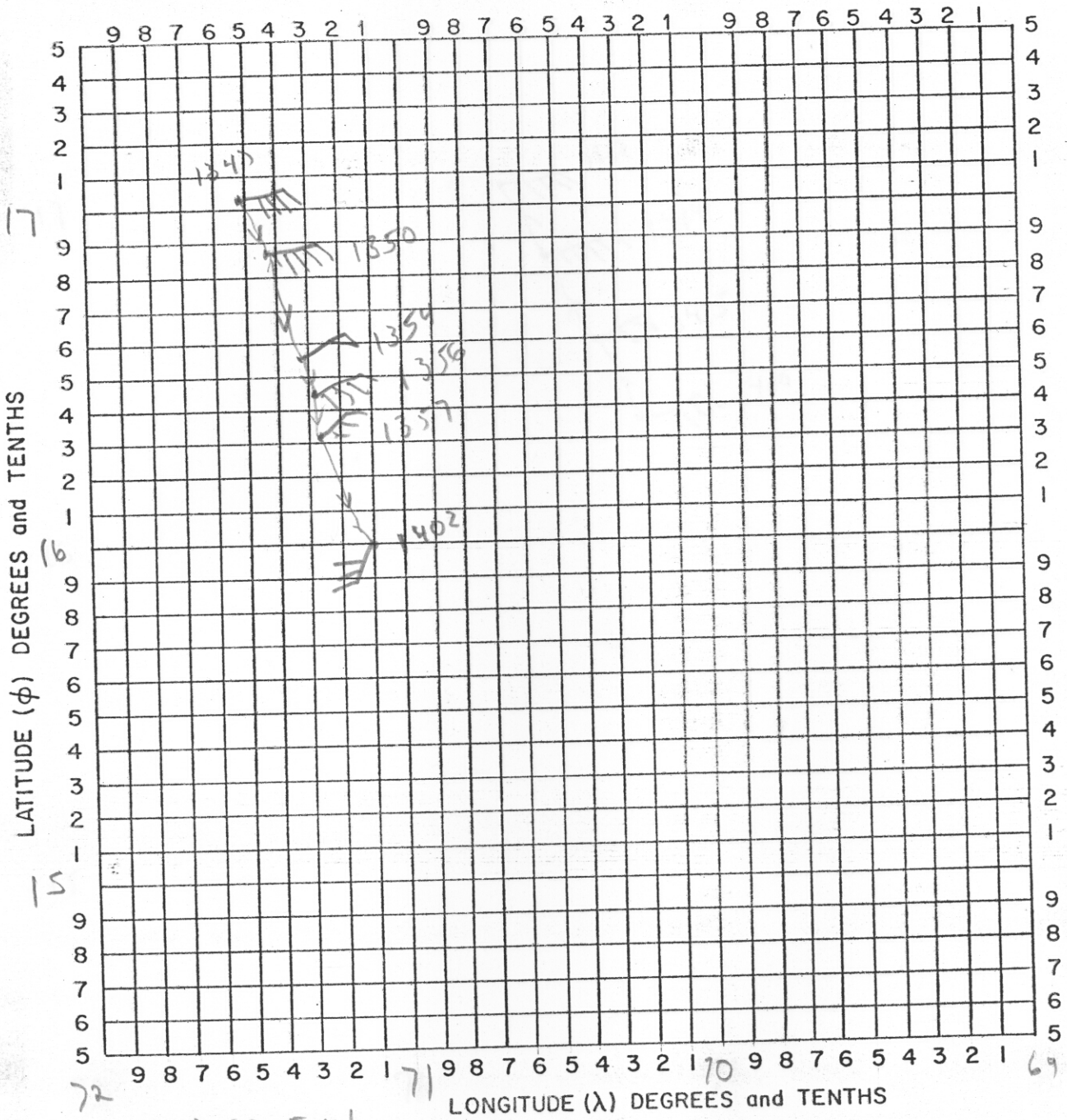


DATE 20080511
 OBSERVER JOE B 3

15 KFT

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



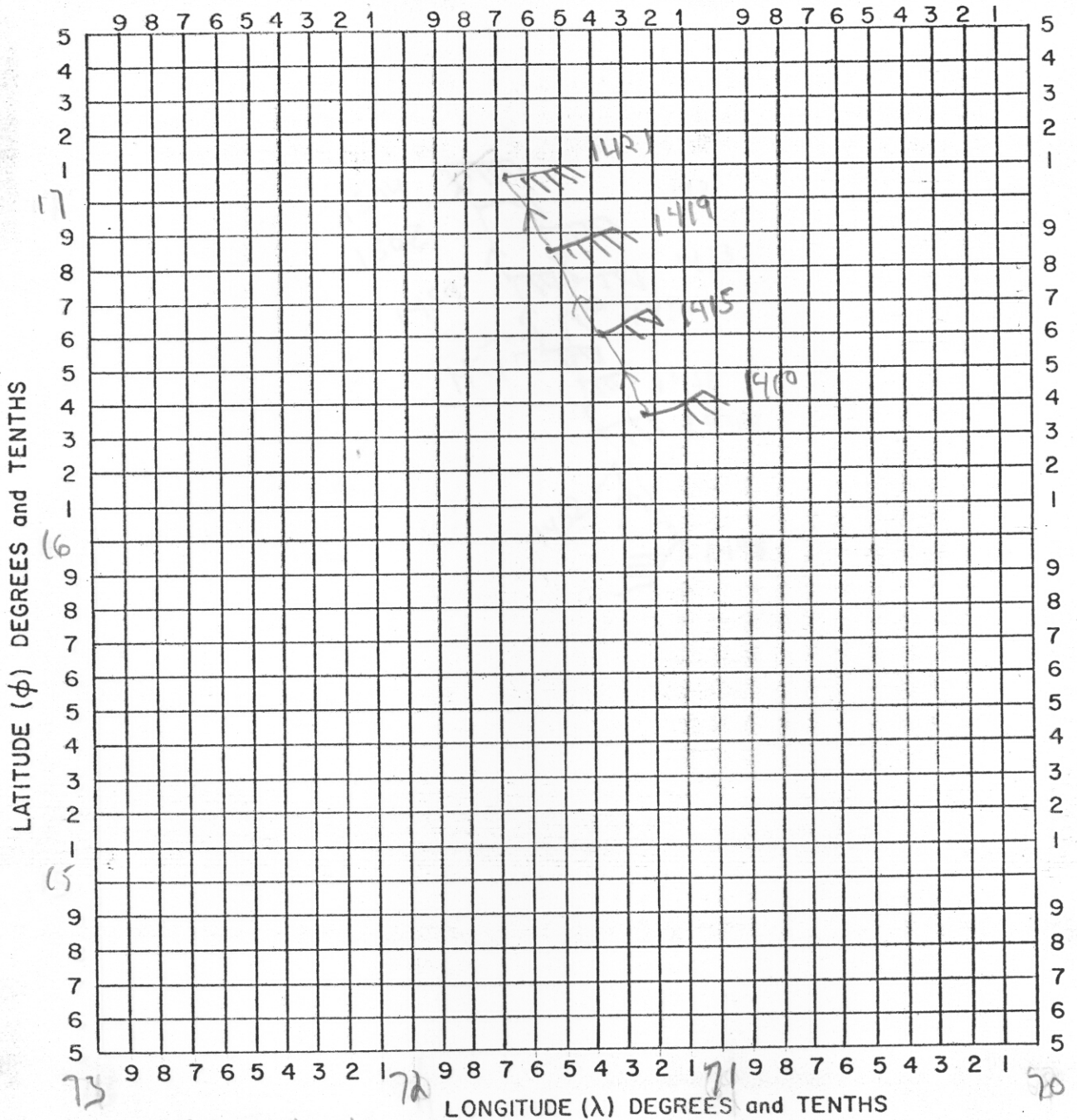
DATE 800805 H

OBSERVER JORK 4

18Kft

NOTE: Label full degrees according to location of flight area *

HURRICANE RECCO PLOTTING CHART



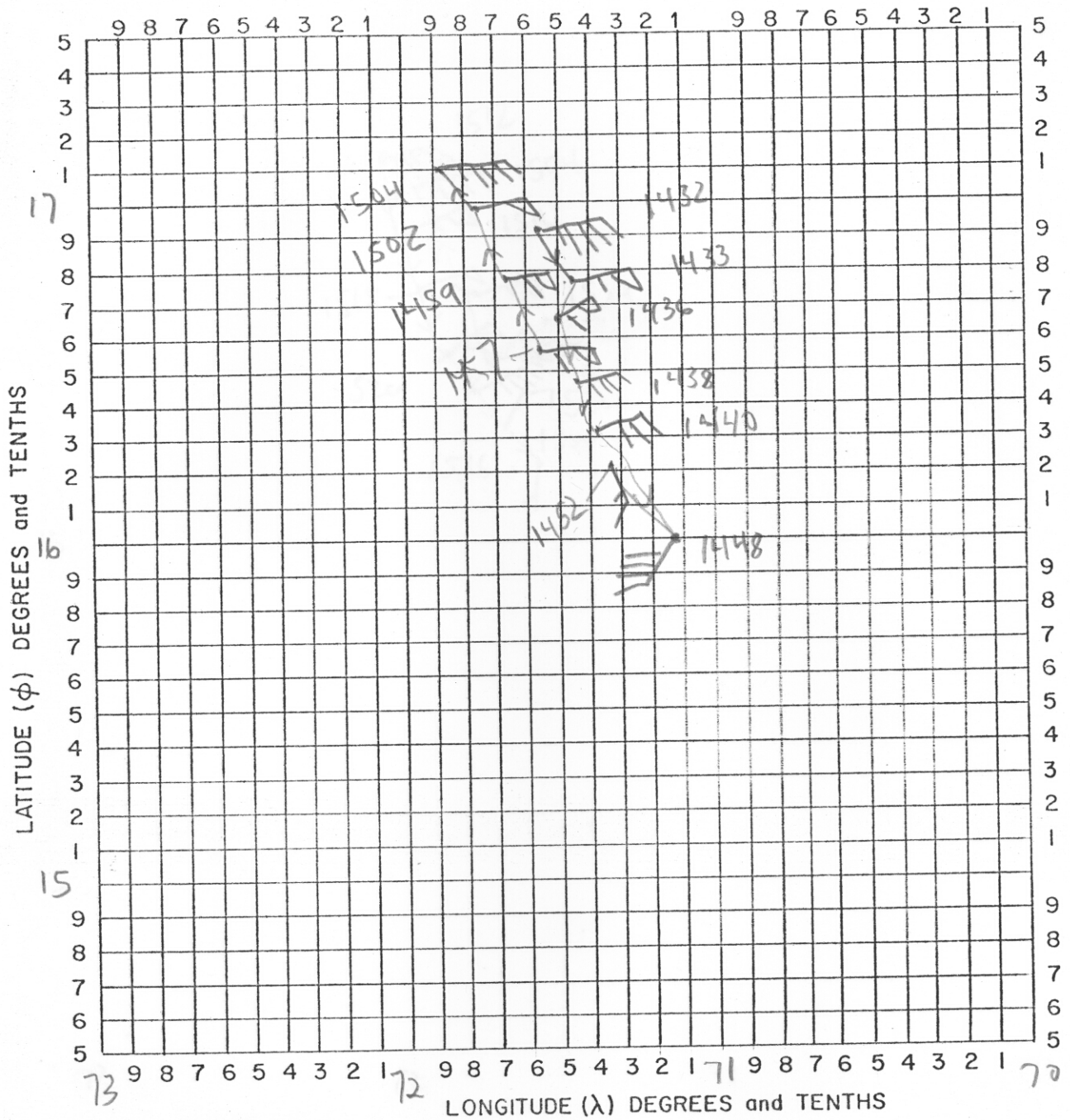
DATE 8/8/54

OBSERVER JORG S

18 Kft

NOTE: Label full degrees according to location of flight area

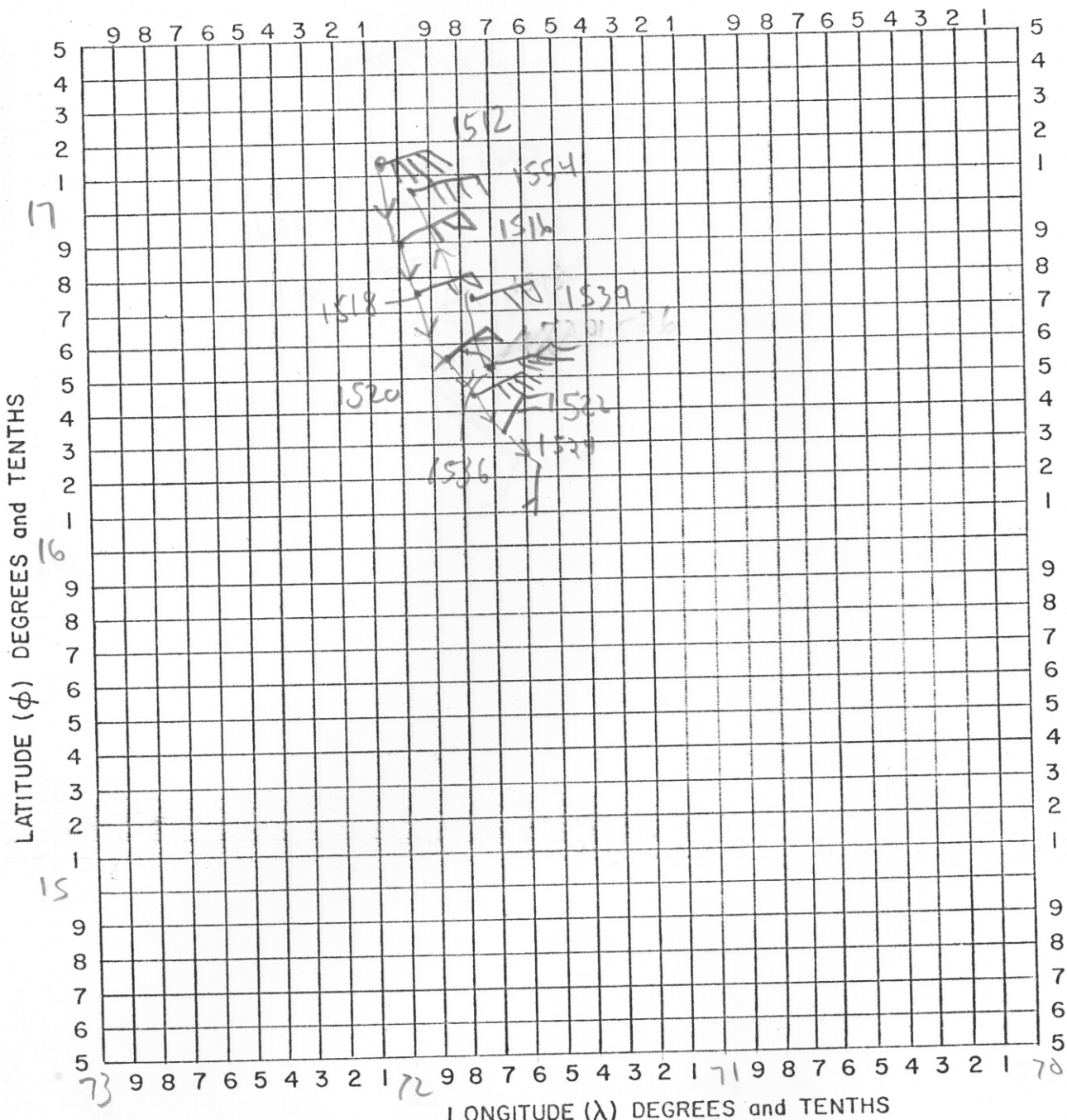
HURRICANE RECCO PLOTTING CHART



DATE 8/8/51
 OBSERVER JARG b

NOTE: Label full degrees according to location of flight area *

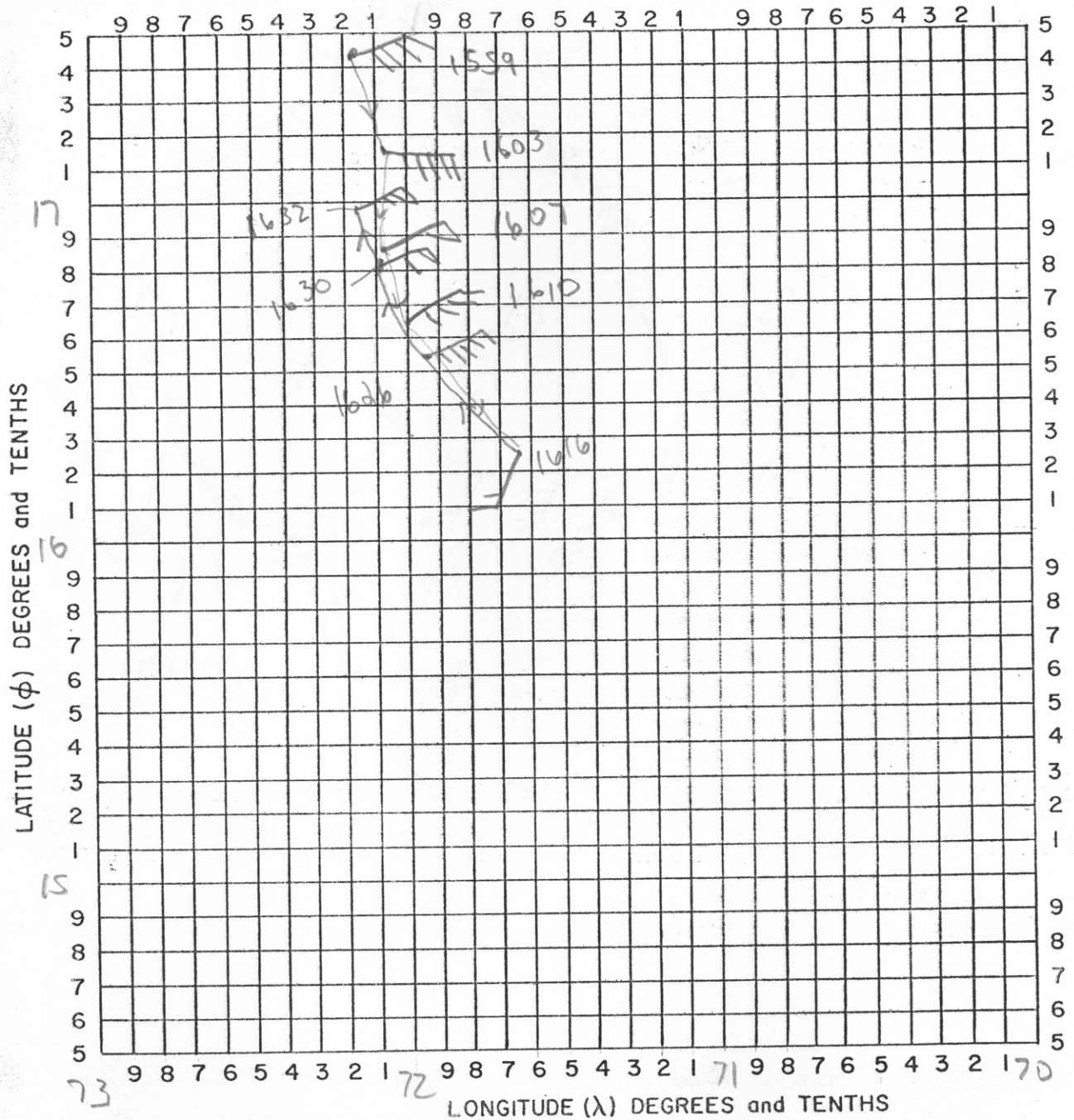
HURRICANE RECCO PLOTTING CHART



DATE 880805H1
 OBSERVER JORG 7

NOTE: Label full degrees according to location of flight area *

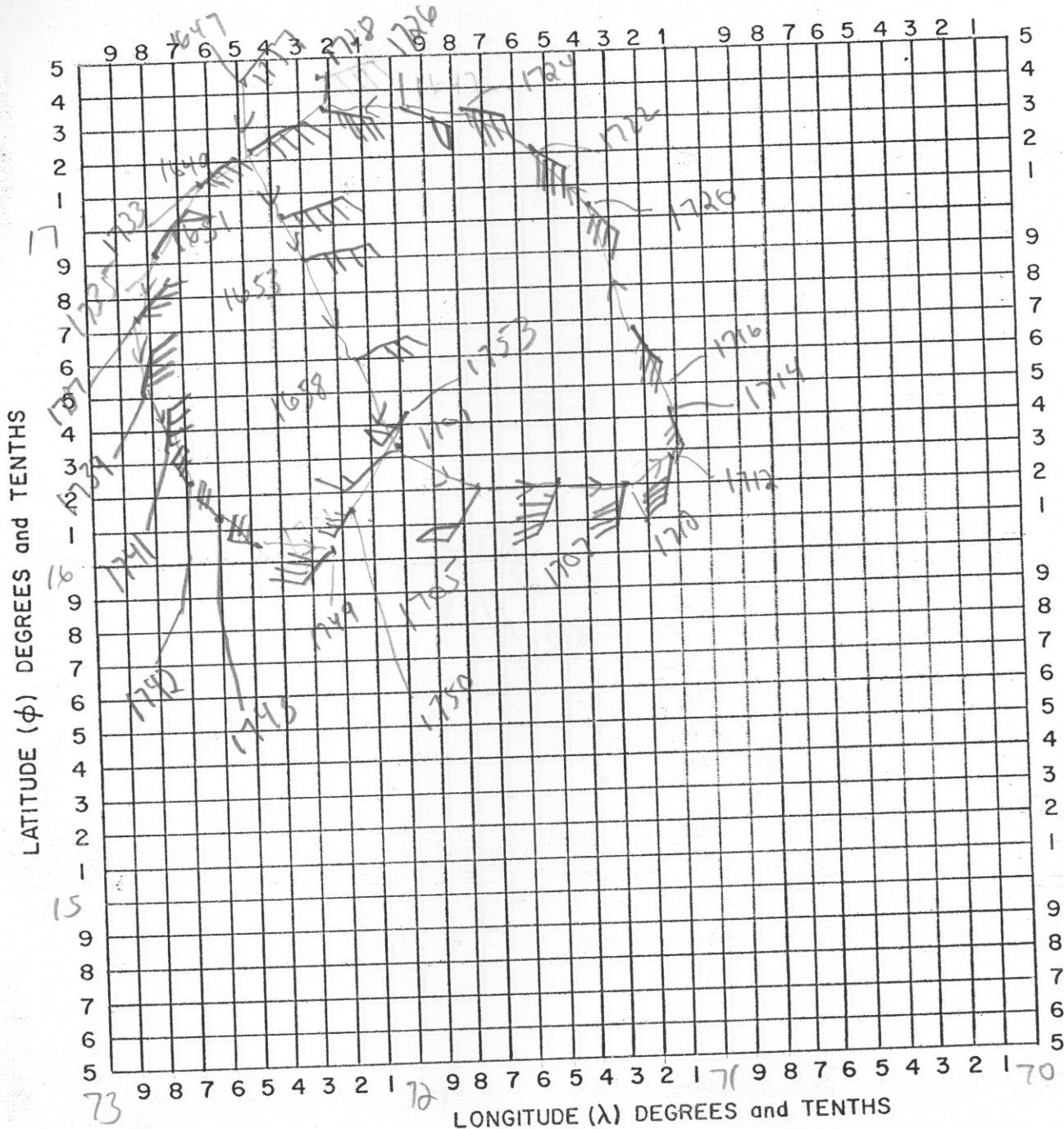
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DATE 800805H1
 OBSERVER JRB

NOTE: Label full degrees according to location of flight area

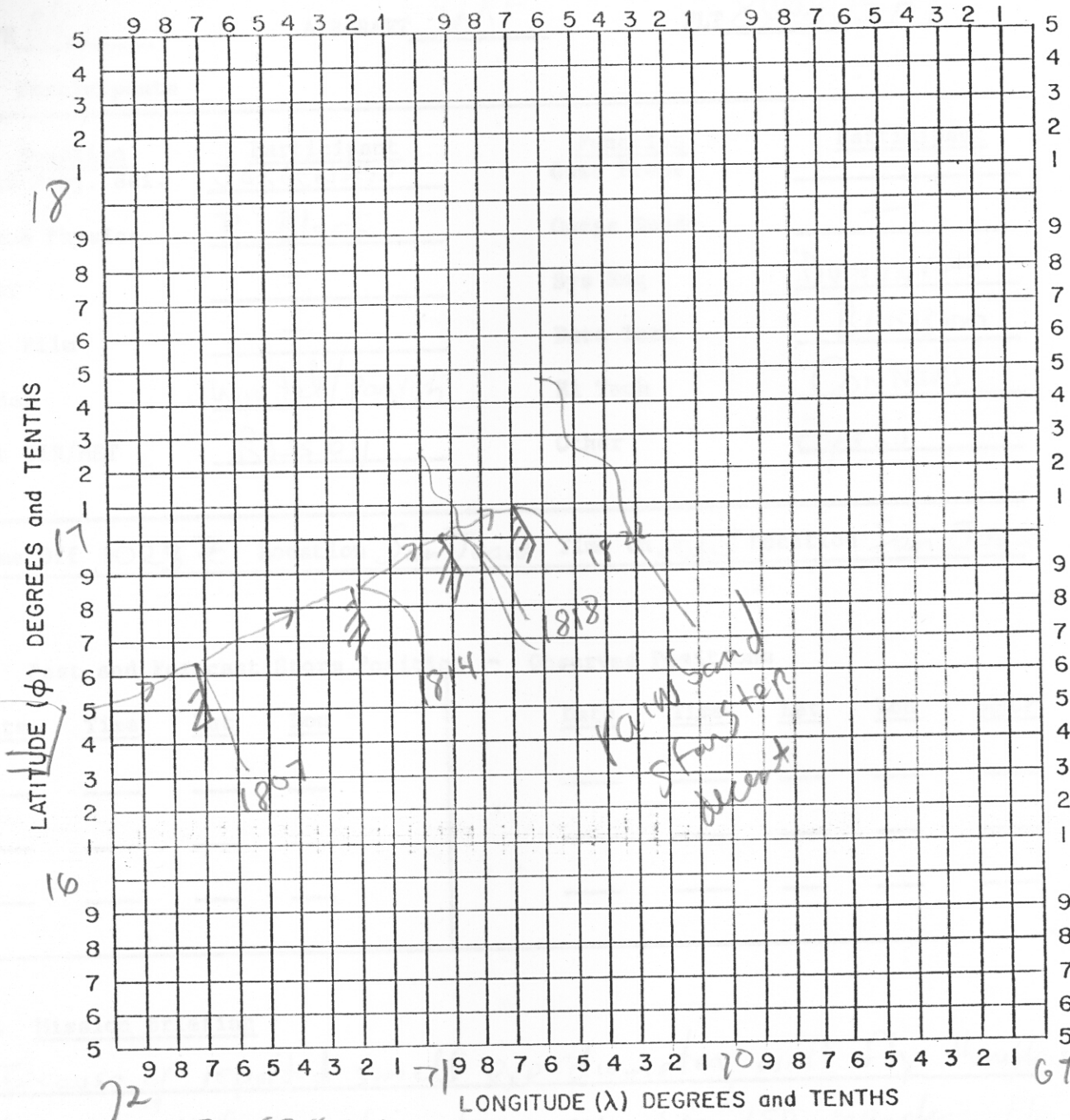
HURRICANE RECCO PLOTTING CHART



DATE 800805HI
 OBSERVER JORG 9

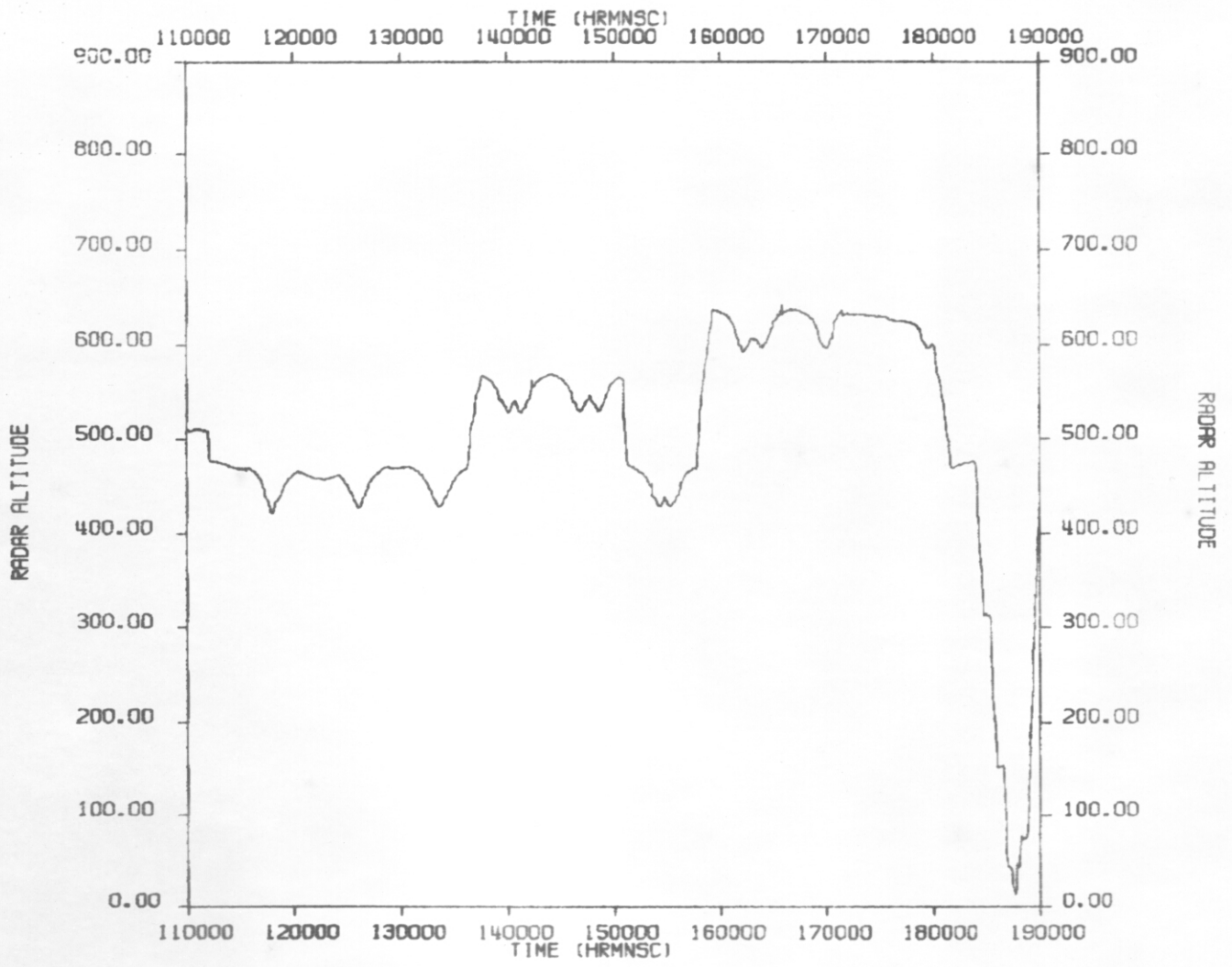
NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



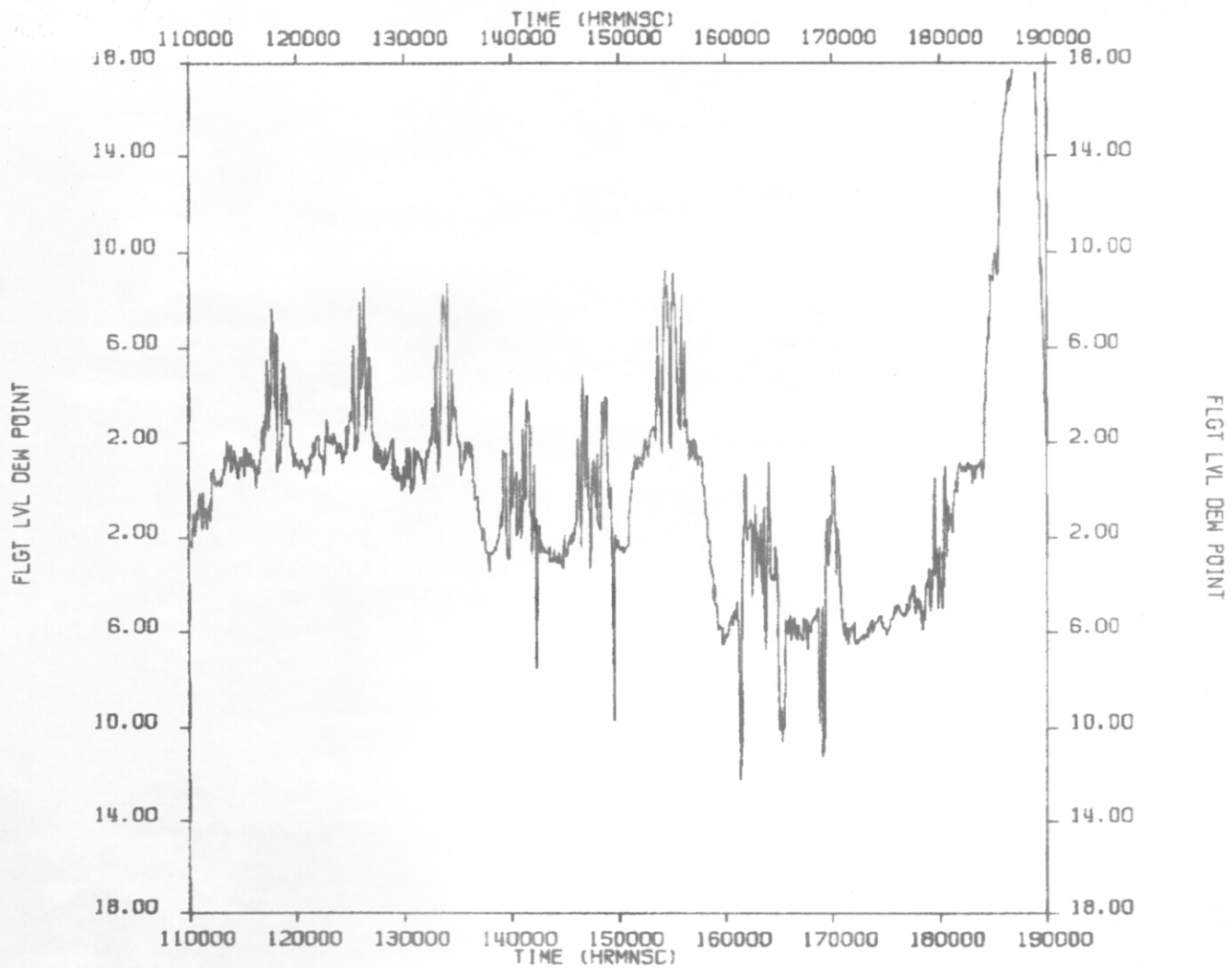
72
 DATE 940805H1
 OBSERVER JORG 10

NOTE: Label full degrees according to location of flight area



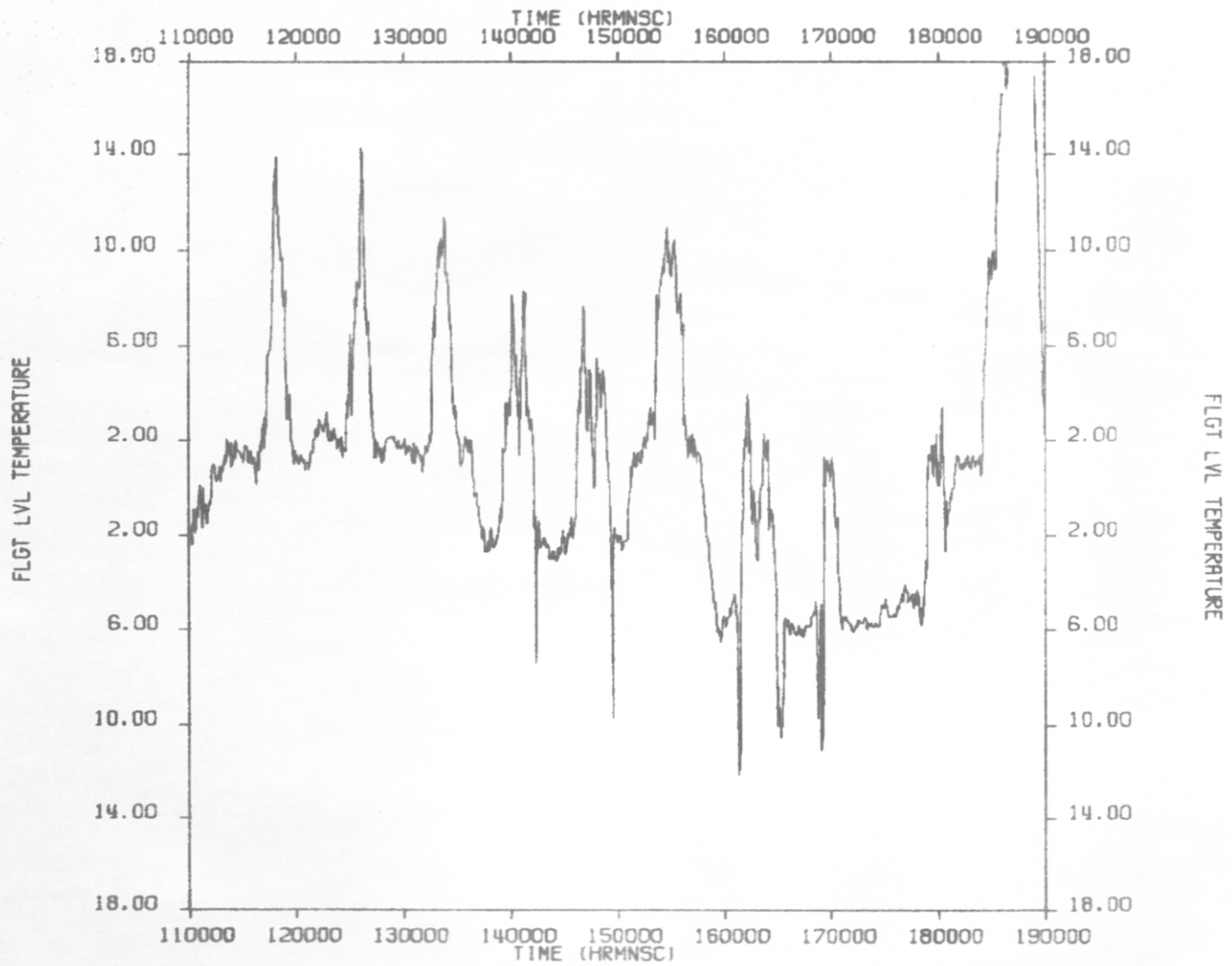
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DATE RUN= 810217



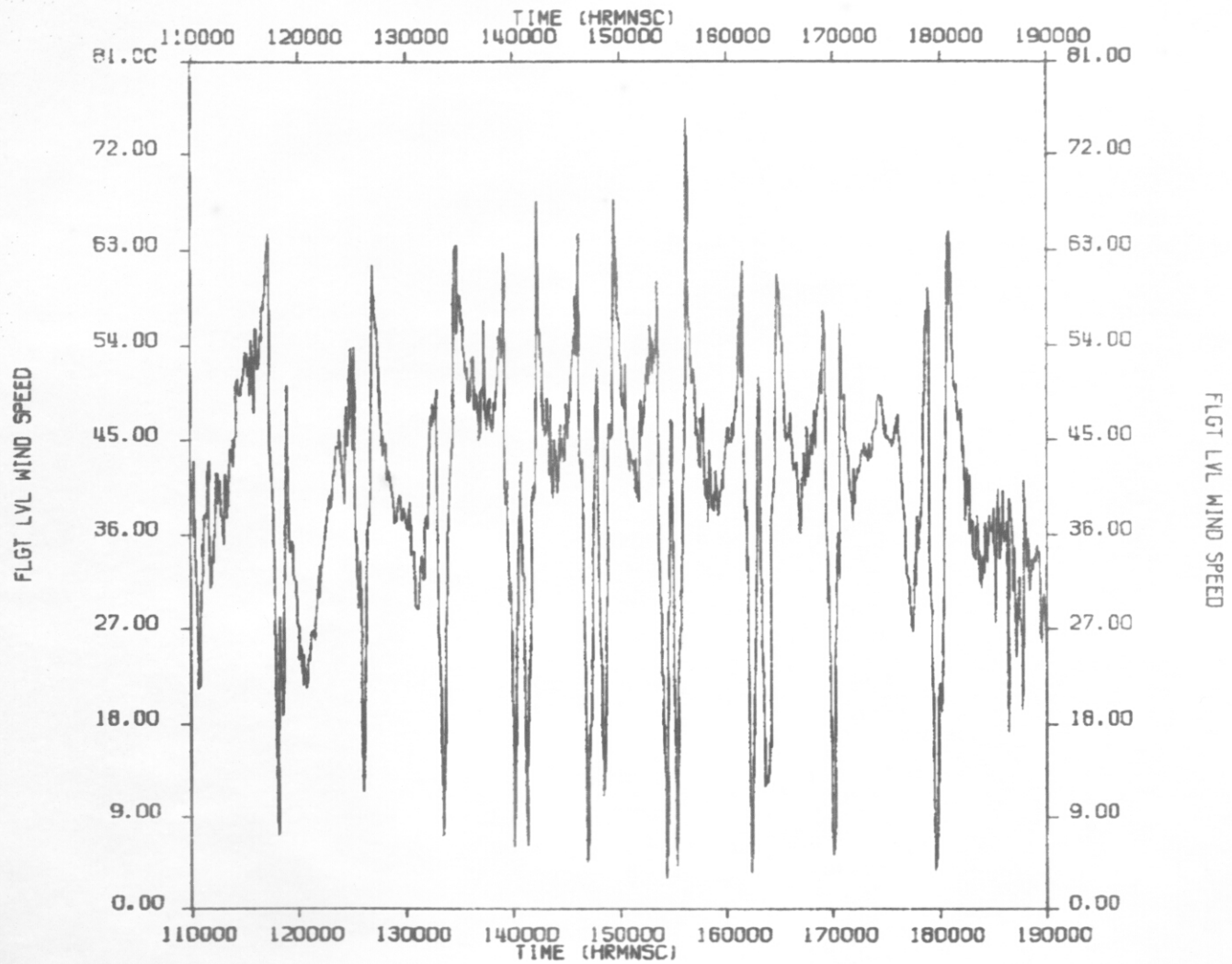
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DATE RUN= 810217



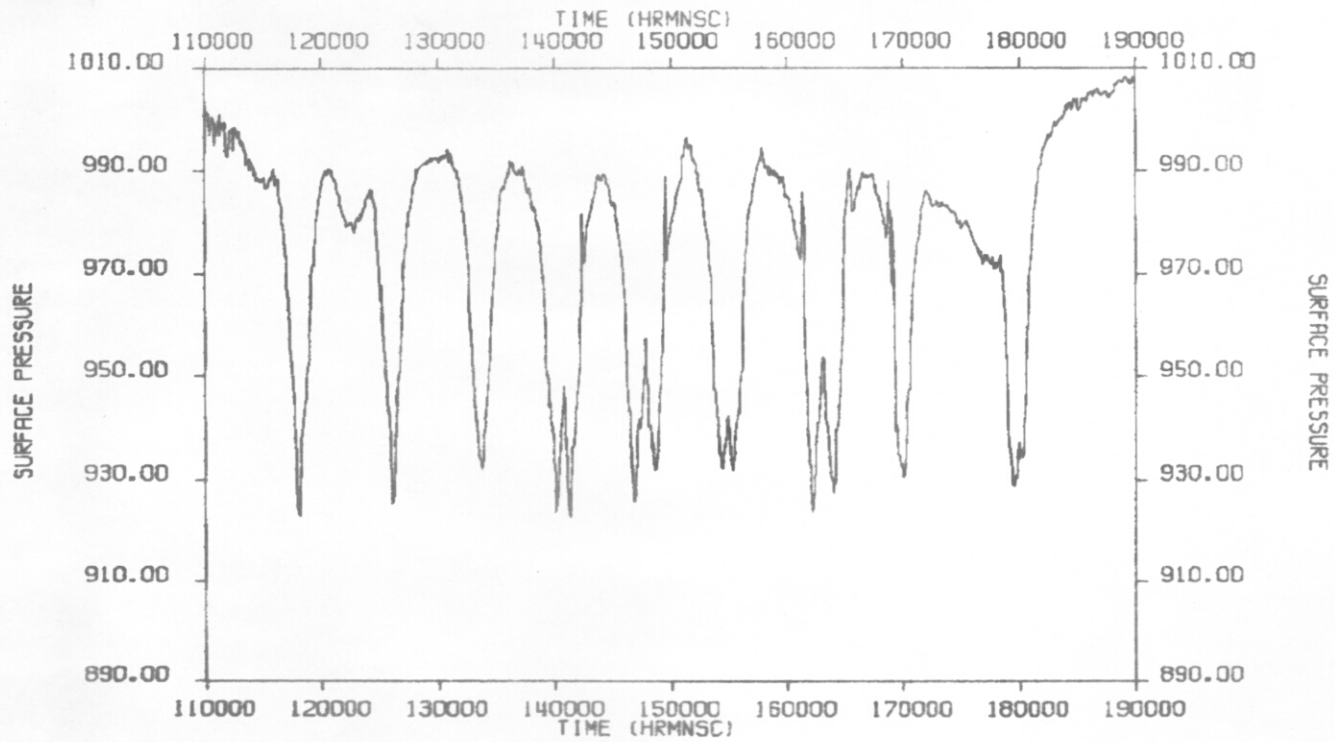
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DATE RUN= 810217



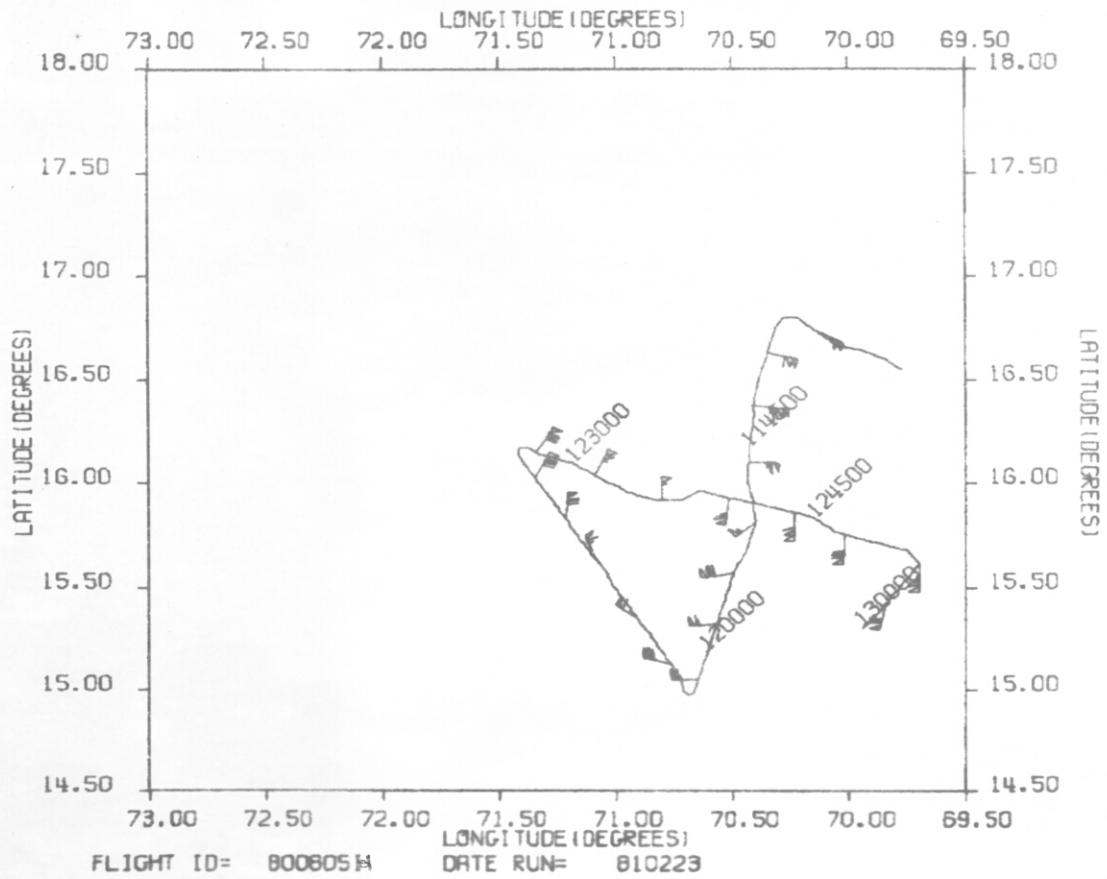
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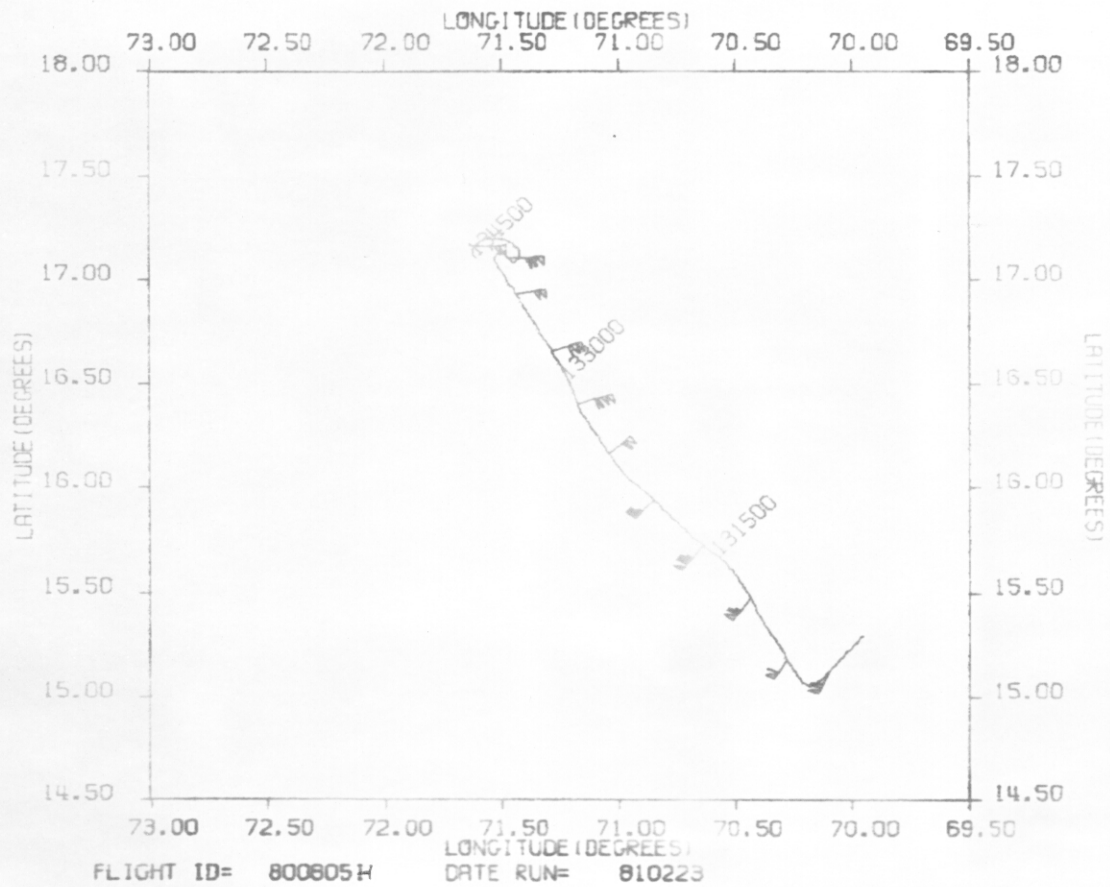
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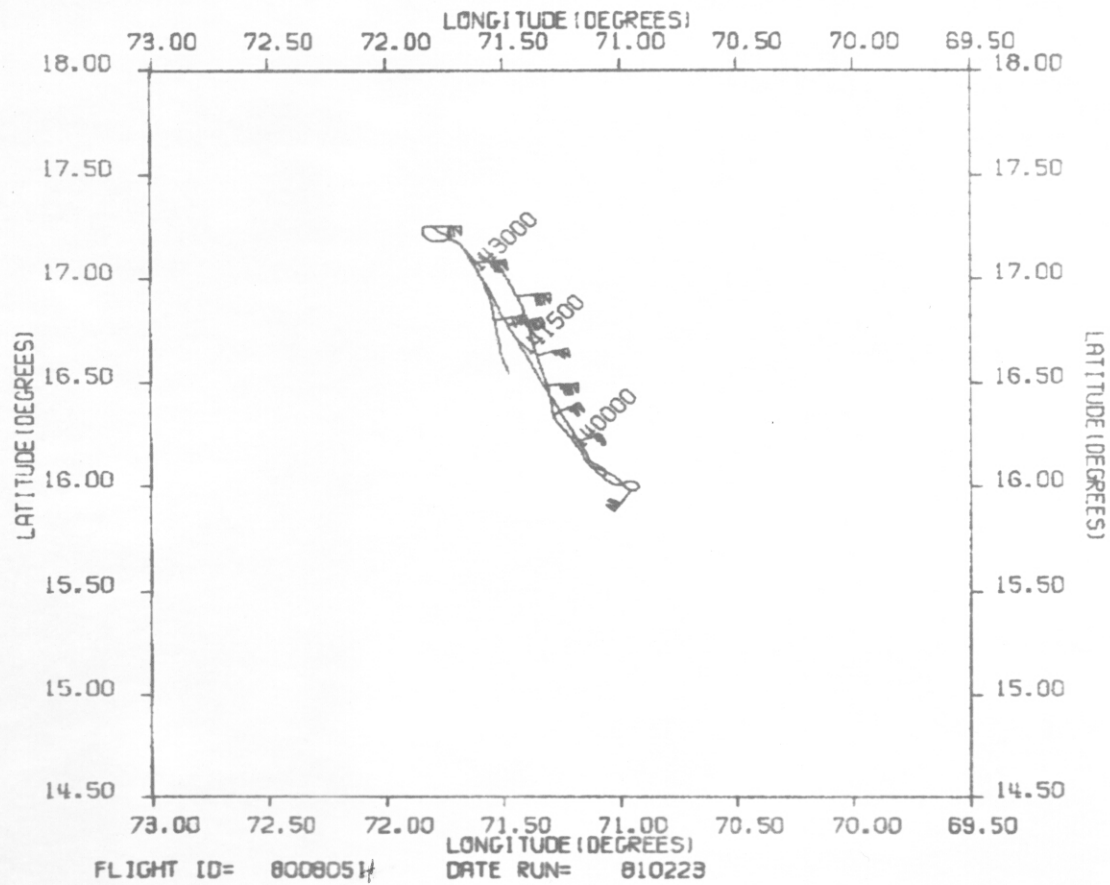


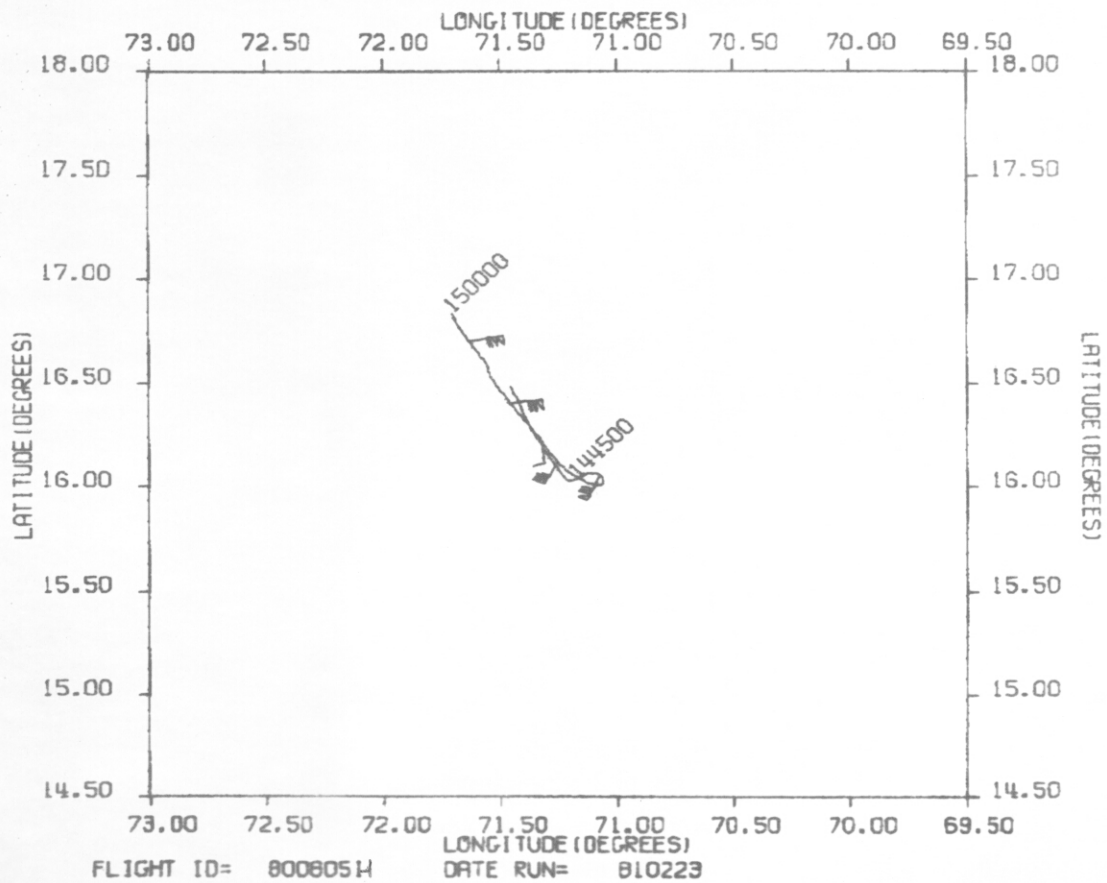
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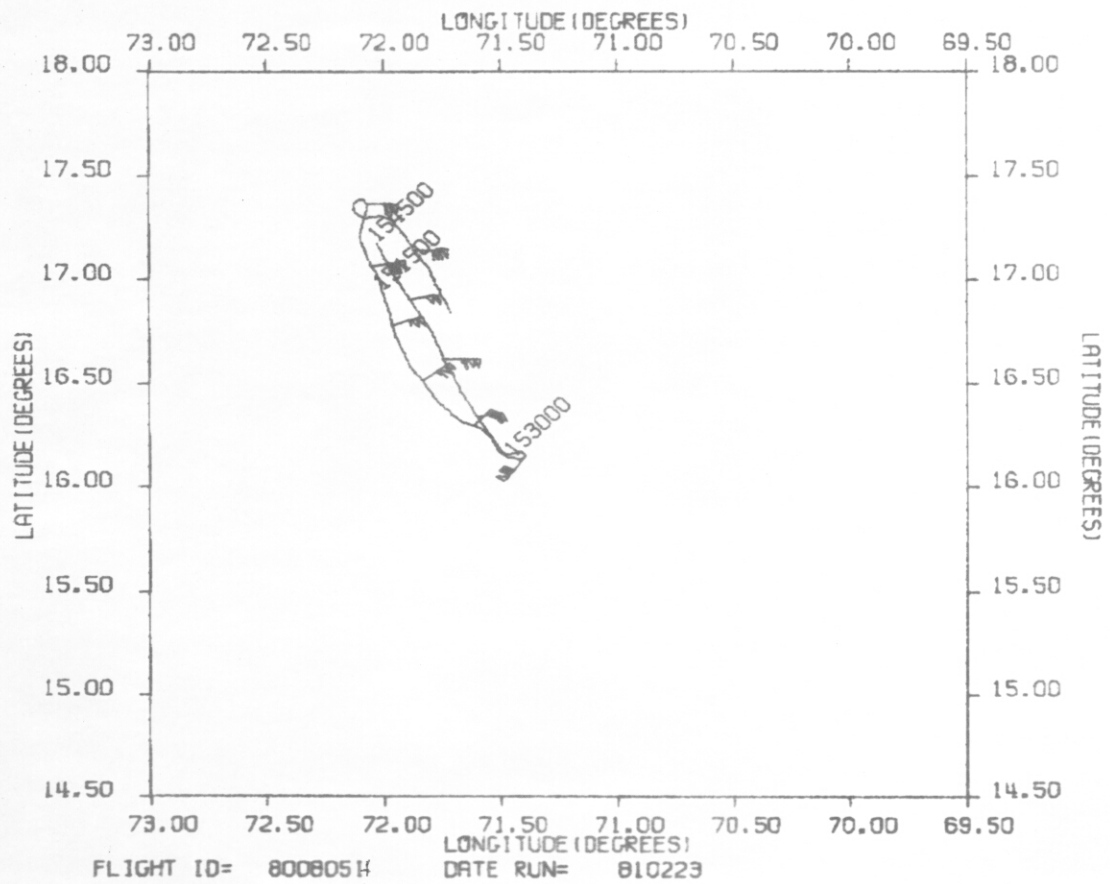
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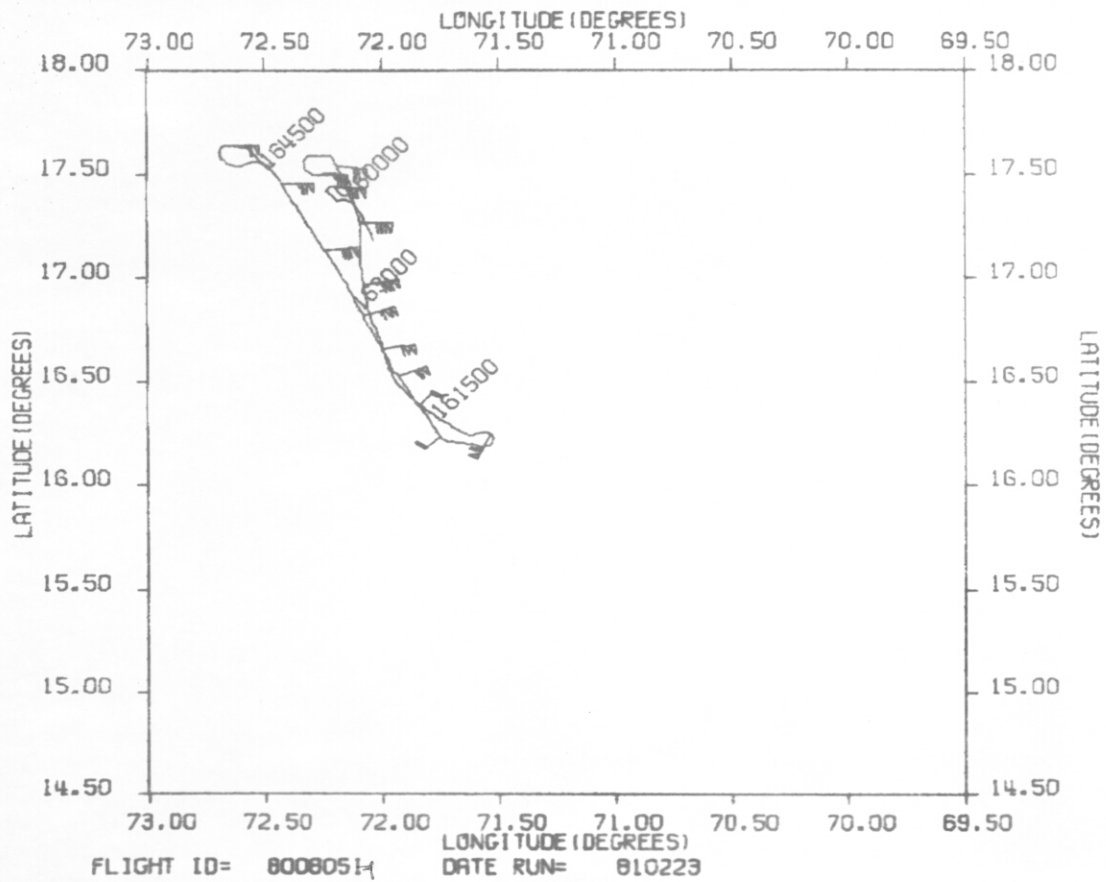


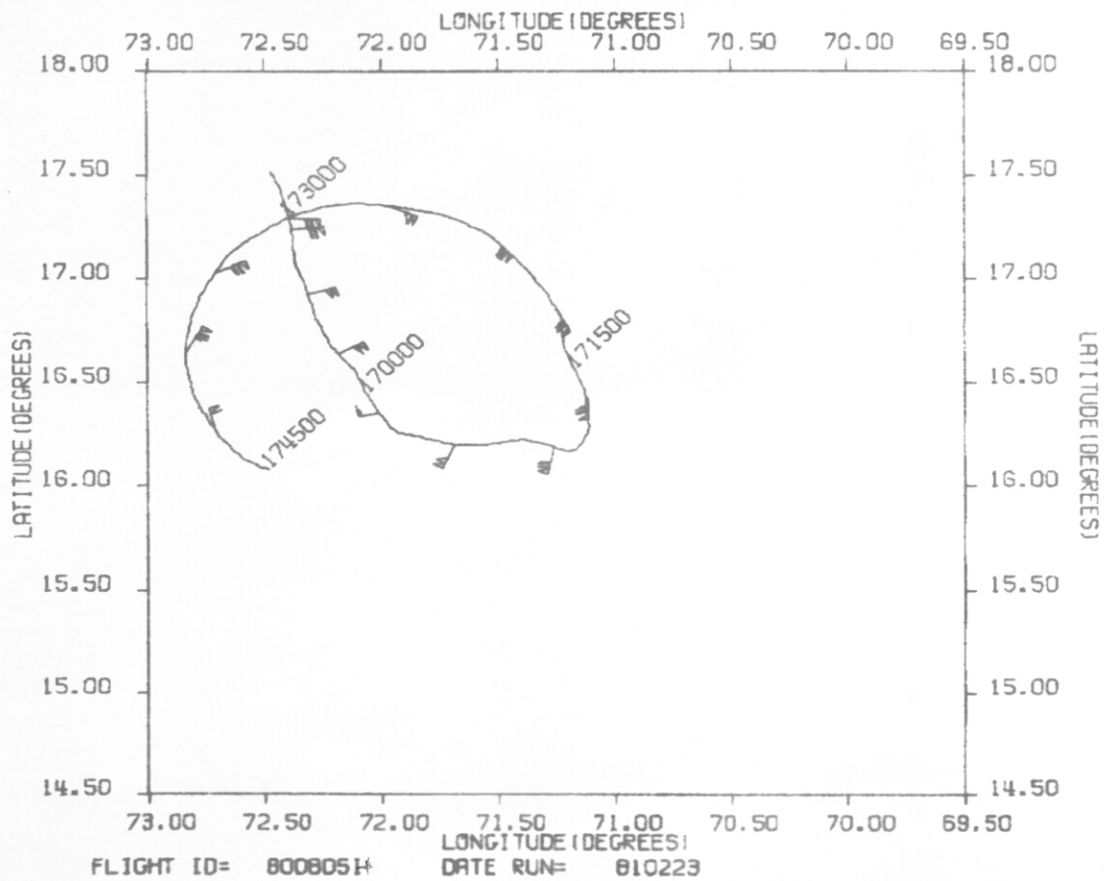


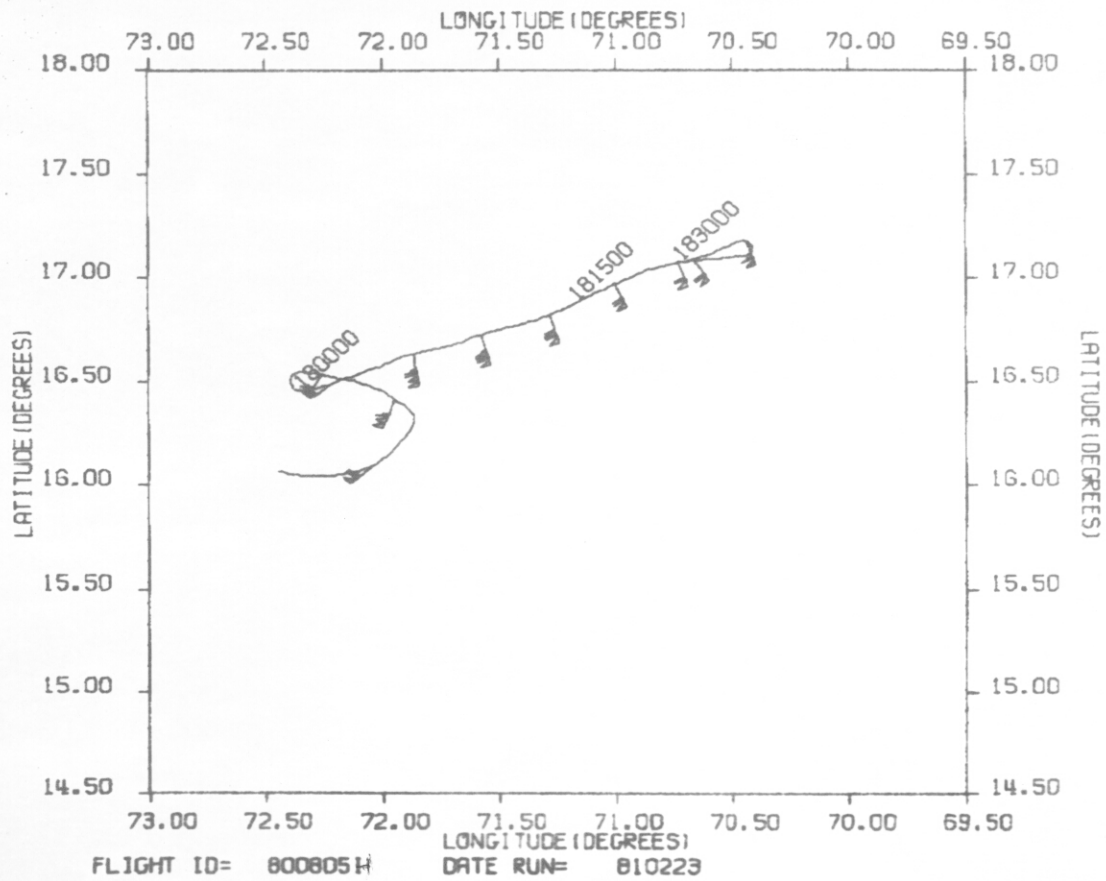


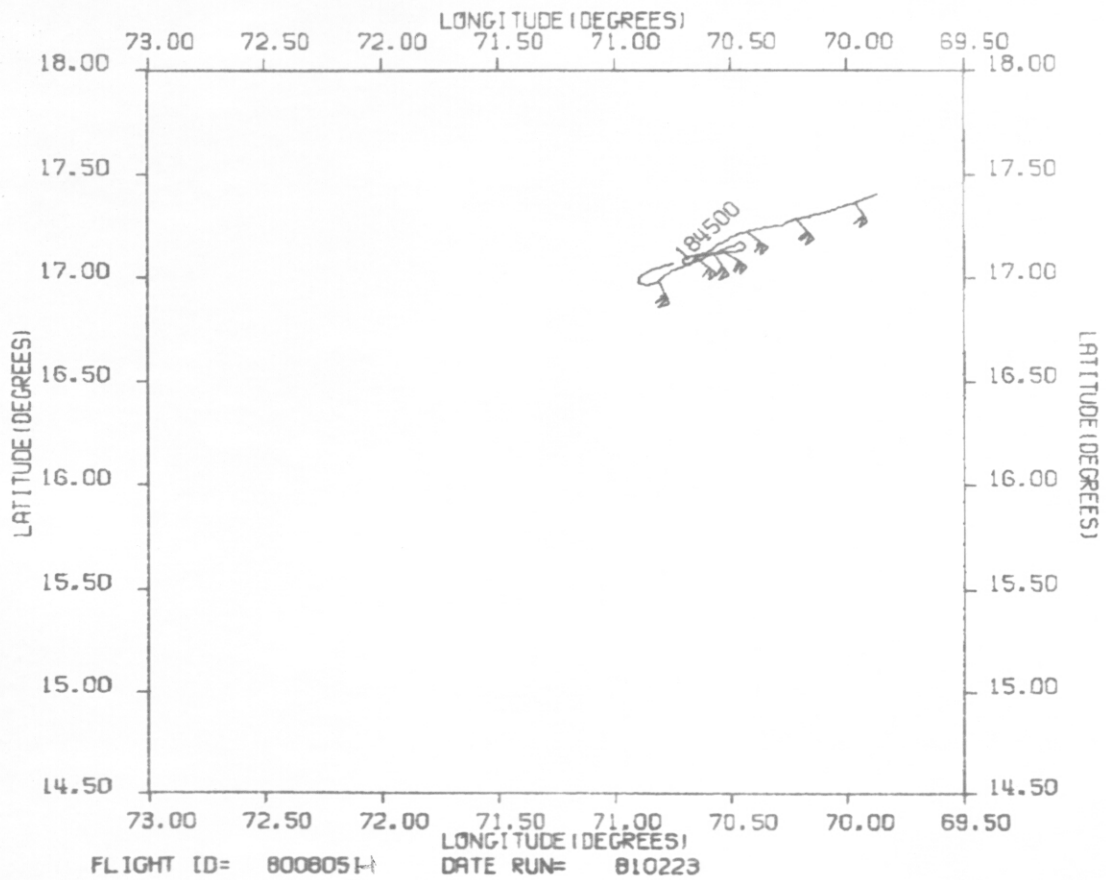












RA
 WS (Surface Press) or D-value
 TEMP/DP

800805 H

1021 To 1933

#5

RA 16	RADAR ALTITUDE	0 - (900.00)	
TP 18	FLIGHT LEVEL TEMP	FLGT LVL TEMPERATURE	C-19-18
TD 19	FLGT LVL DEW POINT	-18.00 - 18.00	
WS 58	FLGT LVL WIND SPEED	0 - 81.06	
SP 44	SURFACE PRESSURE	890 - 1010	