

Appendix J

Operational Checklists

19800805H1 - LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8/5/80AIRCRAFT 42RFFLT 800805H1

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>—</u>
AXBT	<u>—</u>	Sys Eng	<u>Dugan/WT</u>
Hot Film	<u>—</u>	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 1023Z Location San Juan Time On 2015 Location San Juan

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

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 15 kft with 41 at 10 kft and 43 at 5 kft. 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 Sondes	OK	6 launched		
AXBT				
Gust Probe				
Hot Film				
Photography				

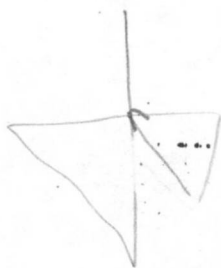
REMARKS

AZDEC going out OK

photography OK side, foreward camera 2 sec/frame

Went through all 31 Knollenberg tapes
17 radar tapes used

E. Proposed Flight Patterns

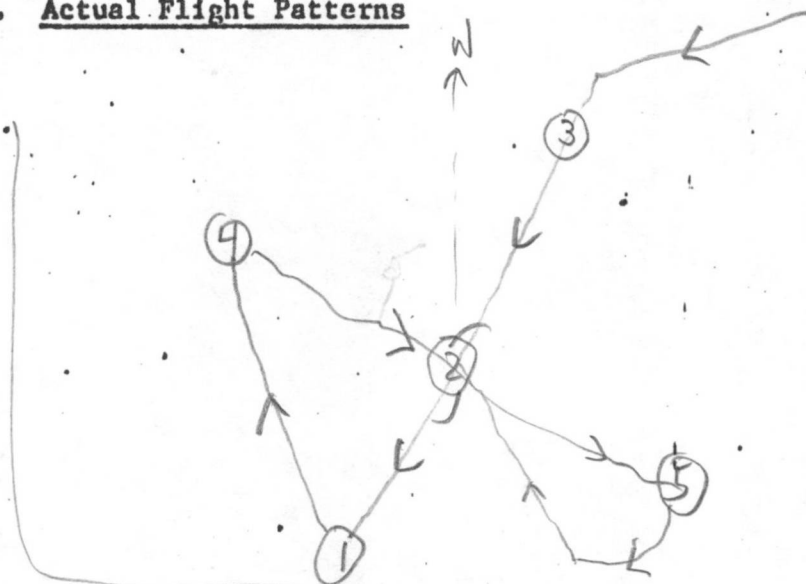


15Kft.

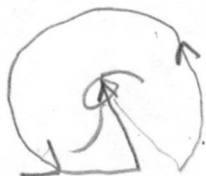


15Kft, 18, 22, 25 Kft

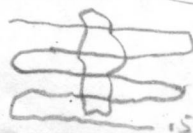
F. Actual Flight Patterns



Went down .. 1st rainband at 20Kft



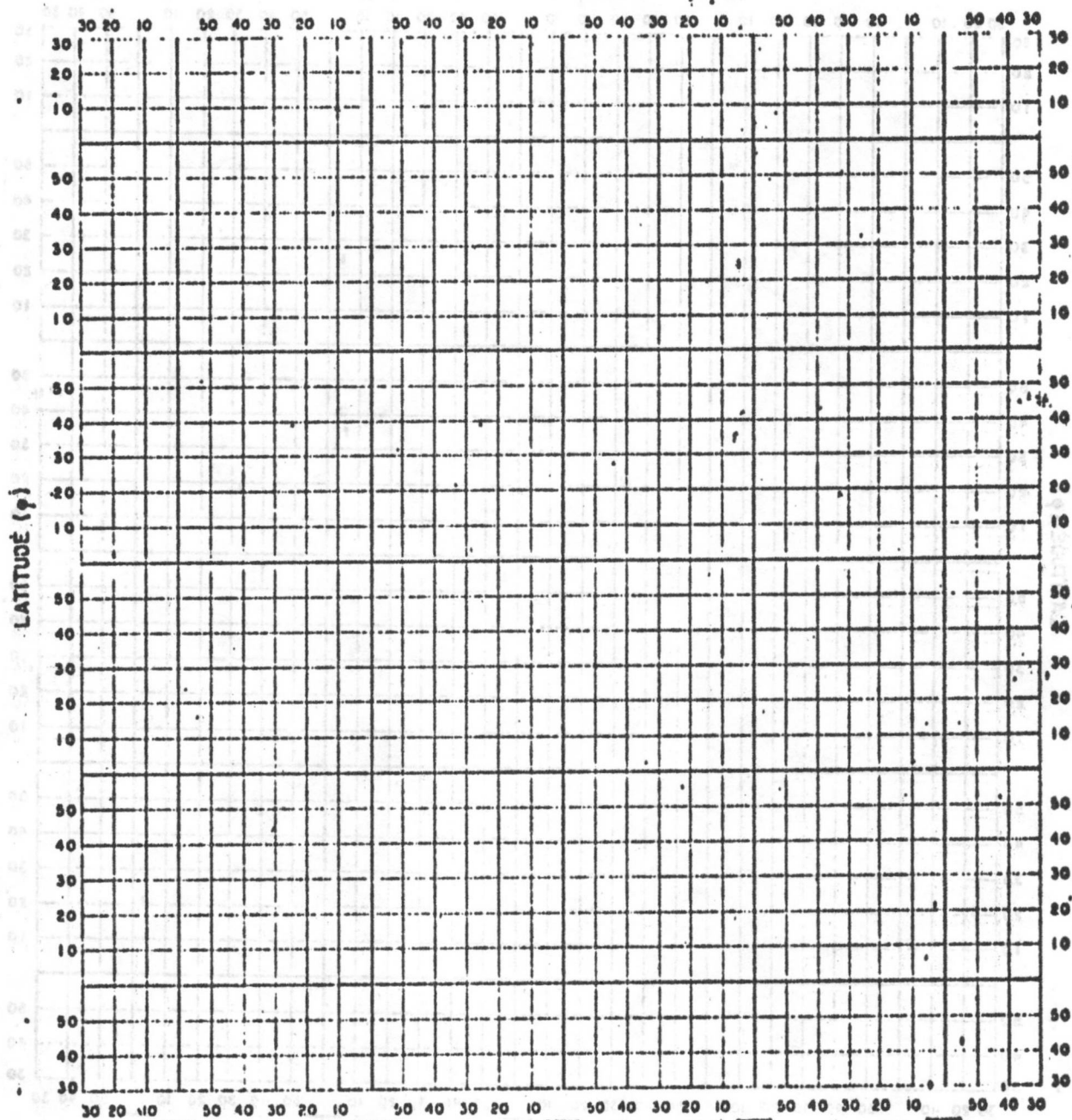
<u>OUTBOUND</u>	<u>INBOUND</u>
15K	18K
18K	18K
18K	15K
15K	20K
20K	20K



Start step decent on 116 Way home through rainband at R=120 W-mc

HURRICANE RECCO PLOTTING CHART

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



DATE _____

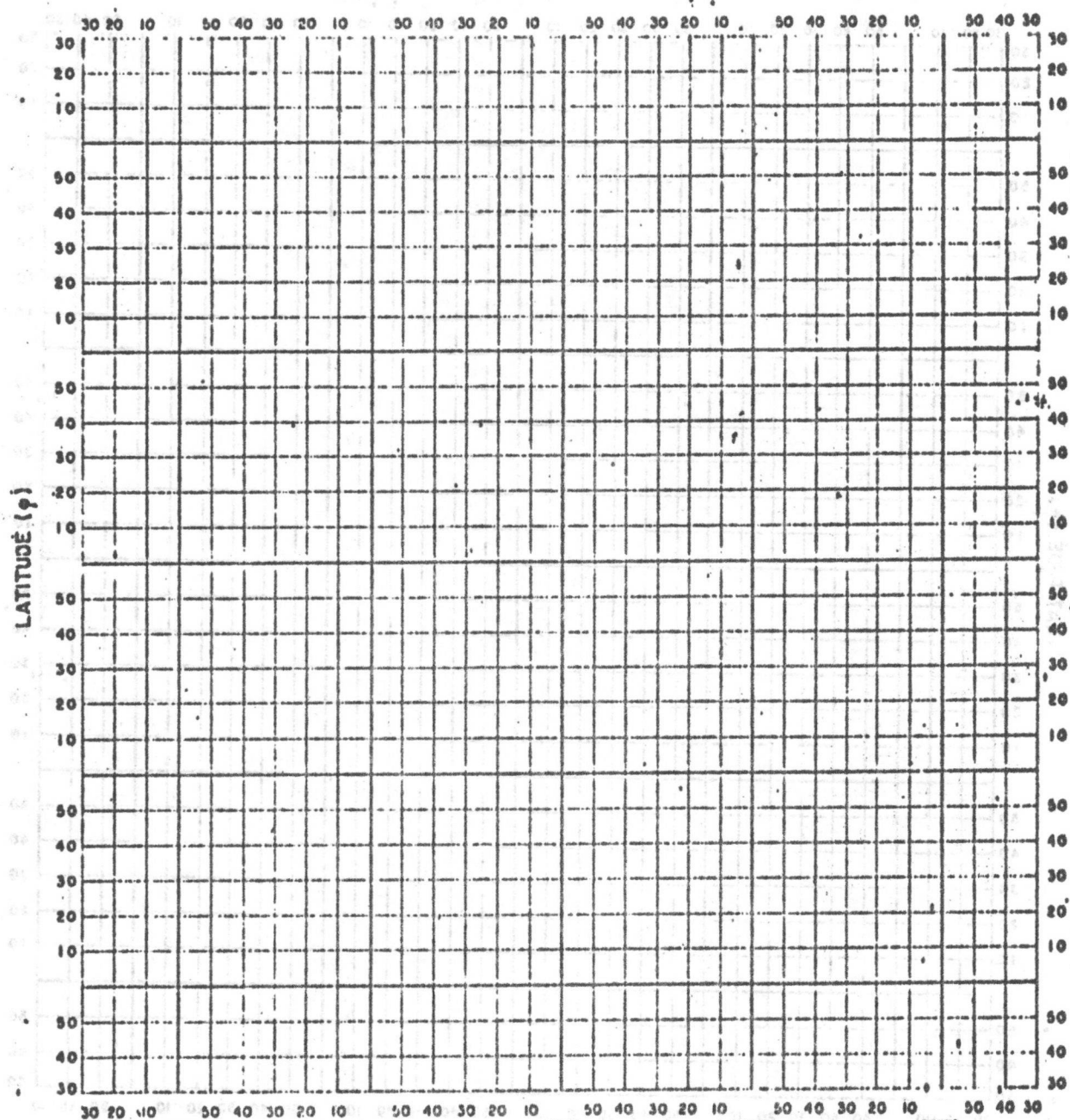
LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

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



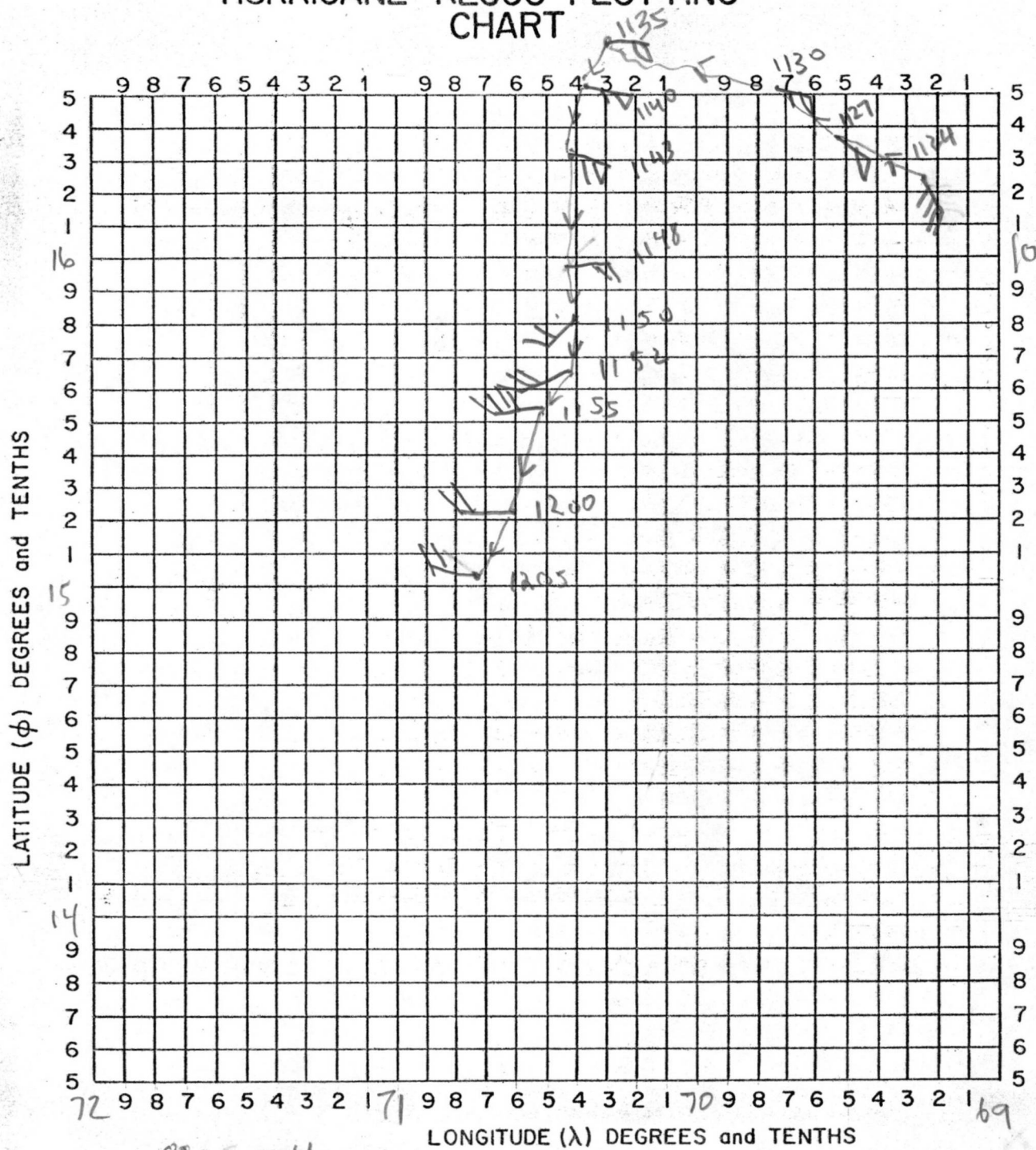
DATE _____

LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

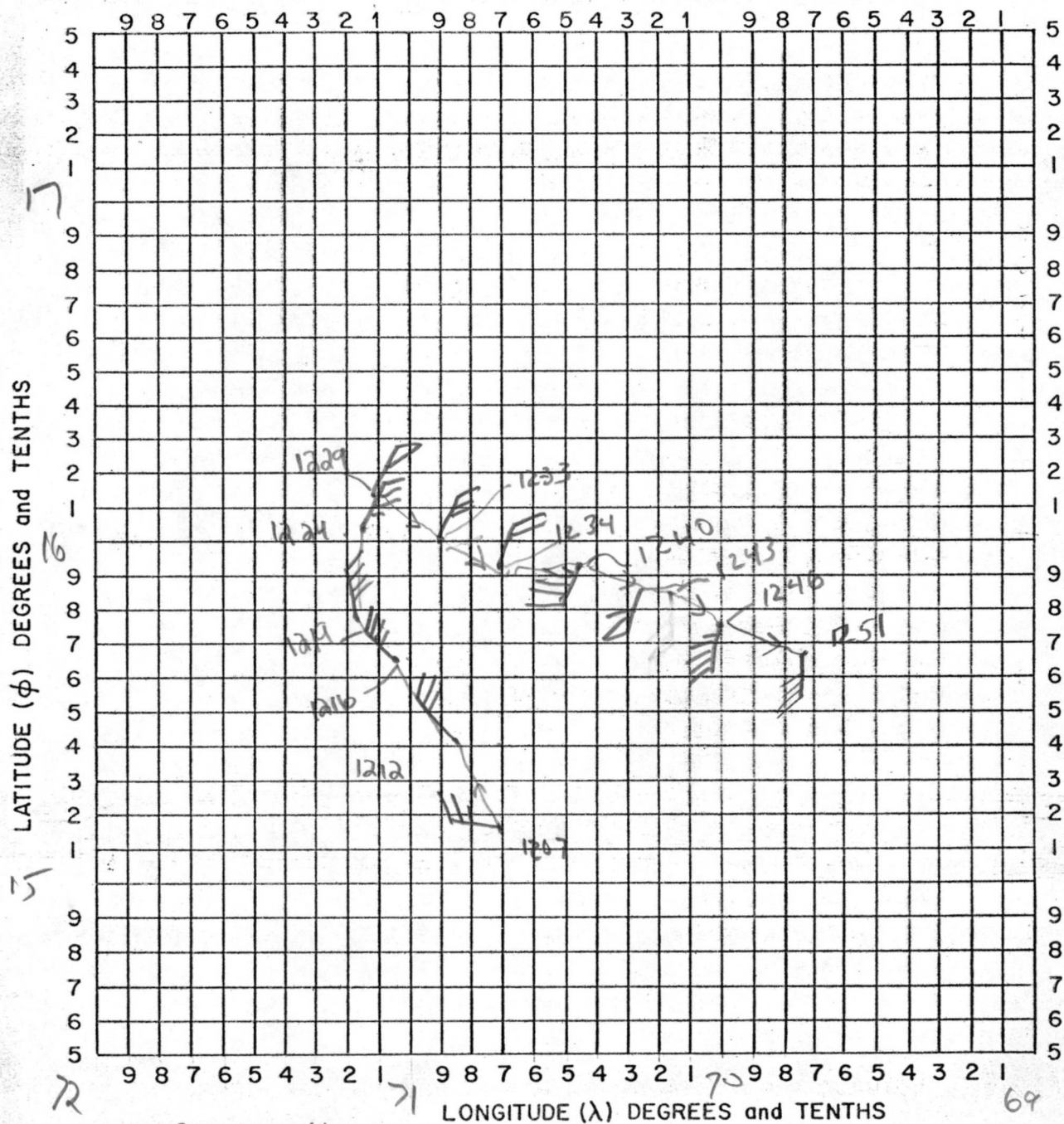


DATE 800805H1

OBSERVER JORG

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

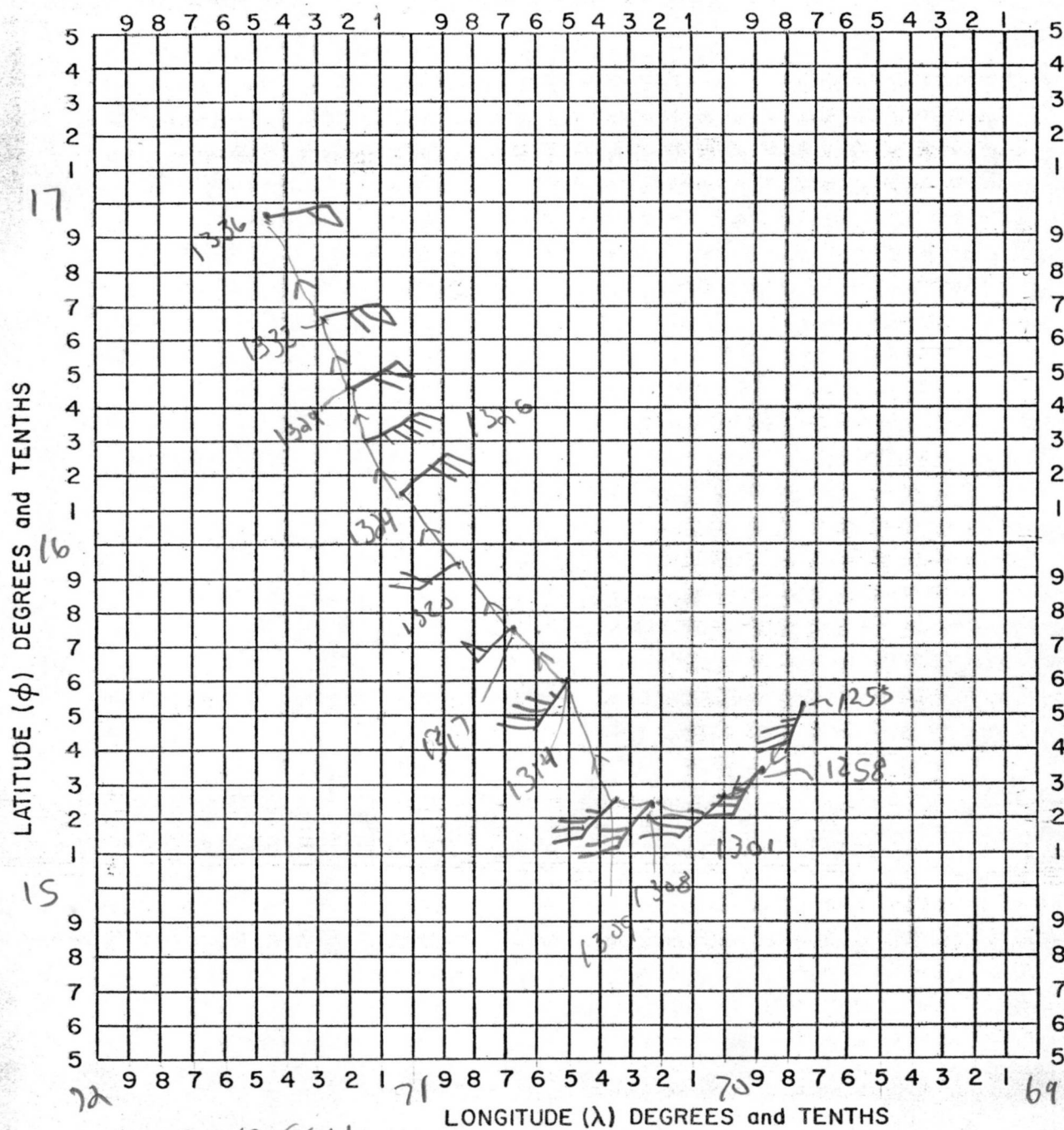


DATE 800805H

OBSERVER JOKE 2

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



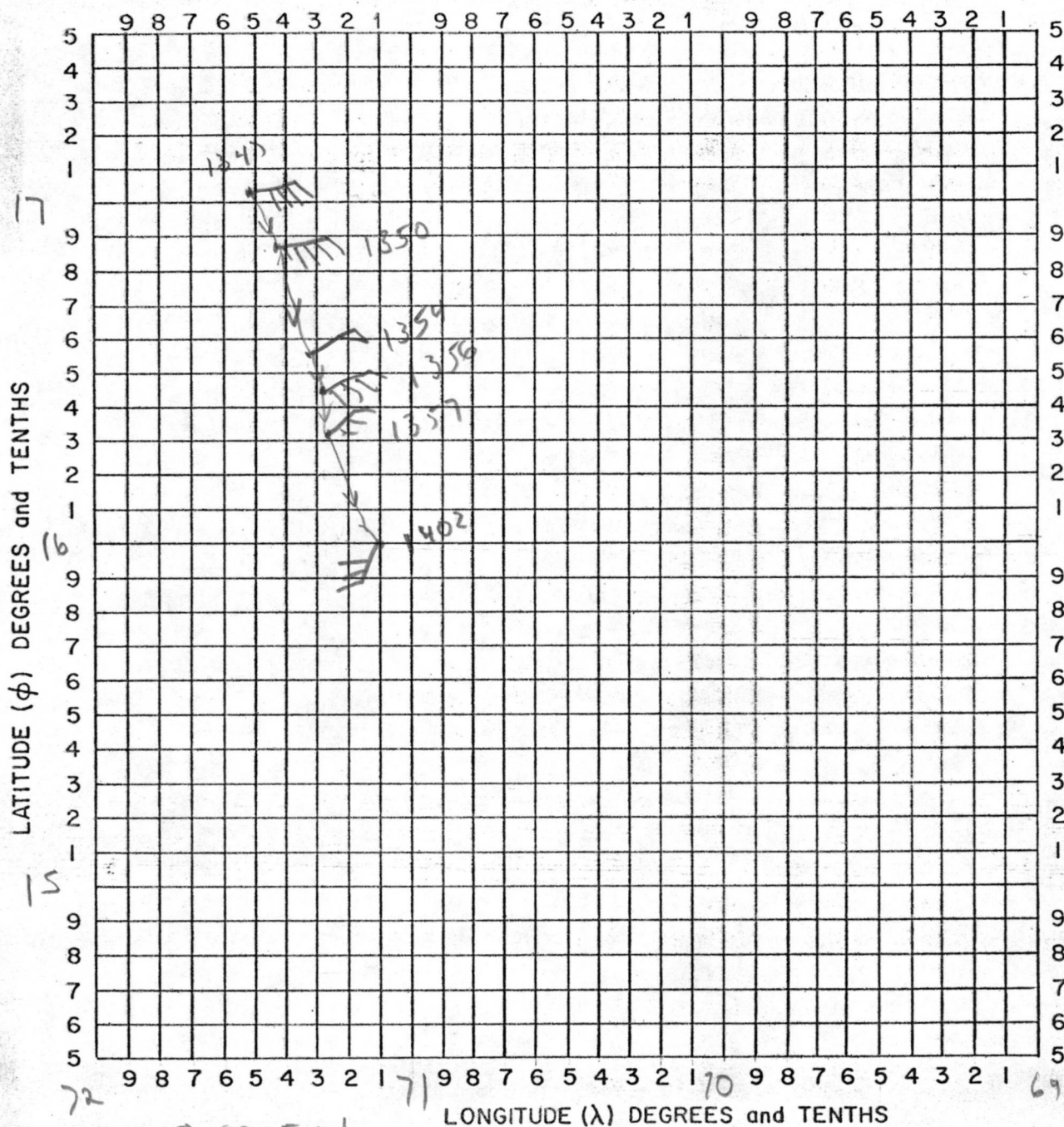
DATE 900805H

OBSERVER JOE 3

15 Kft

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



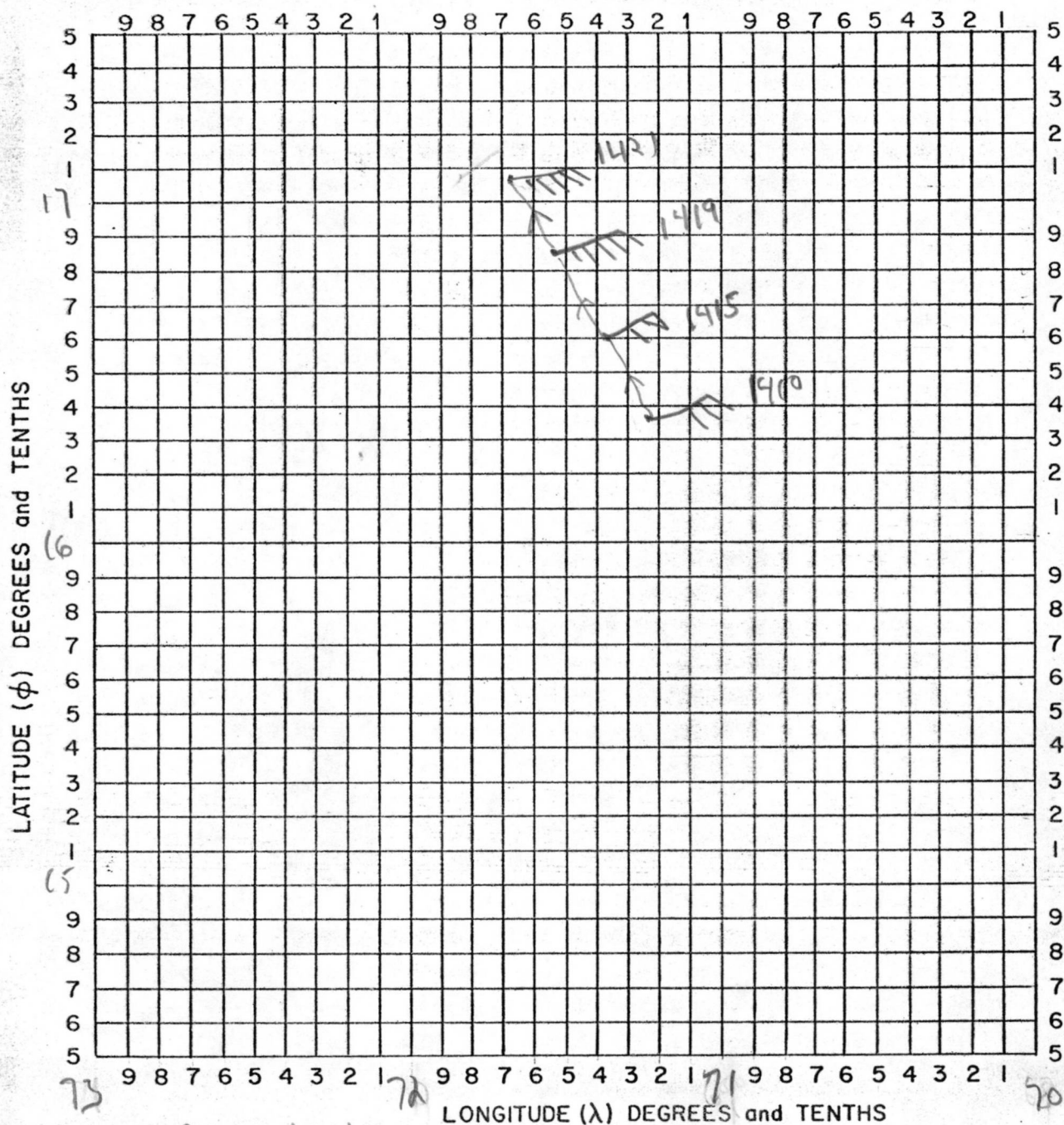
DATE 800845 H

OBSERVER JORR 4

18 KST

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



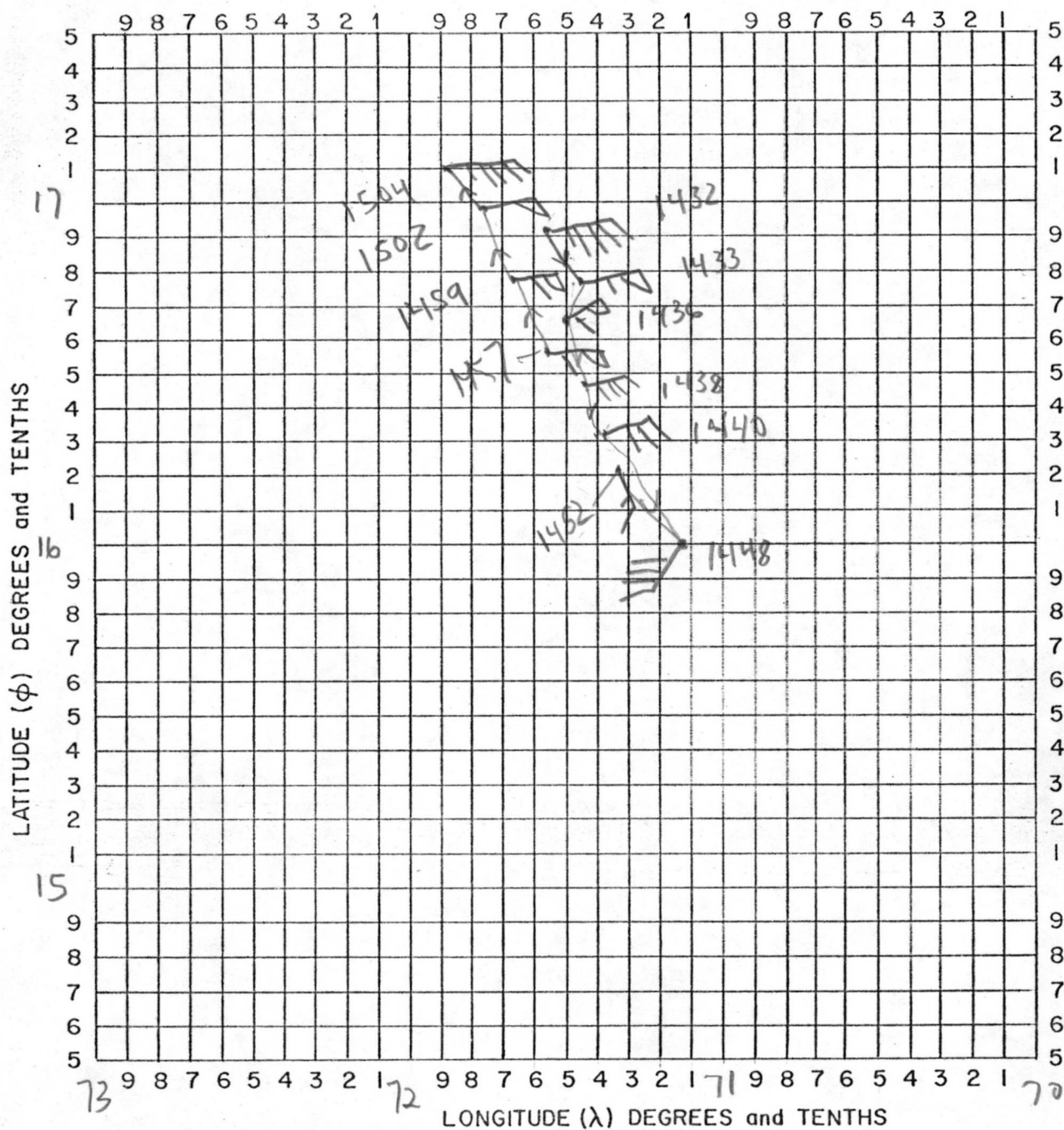
DATE 8/8/54

OBSERVER JORG

18 Kft

NOTE: Label full degrees according to location of flight area

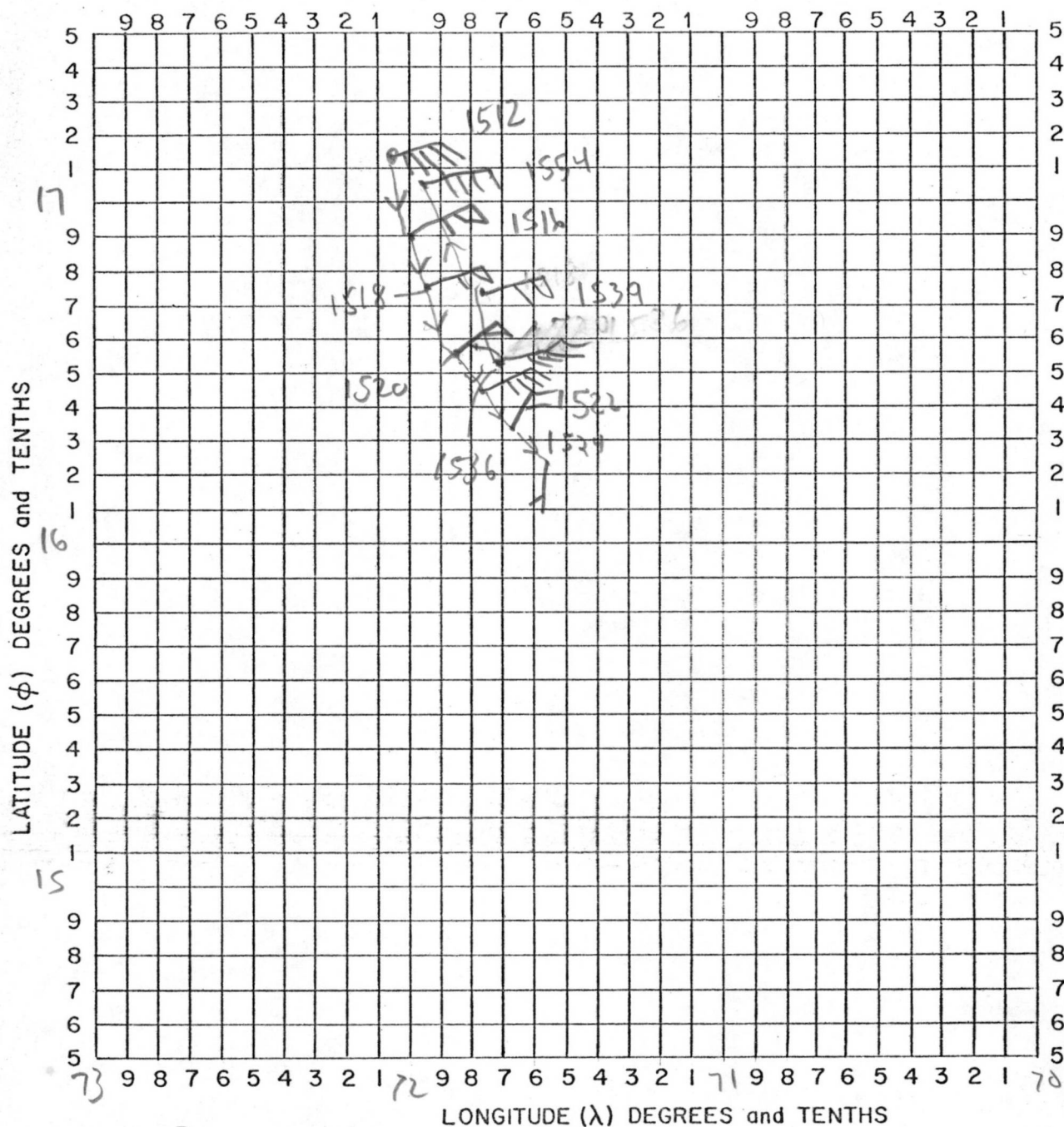
HURRICANE RECCO PLOTTING CHART



DATE 8/8/65 H1
OBSERVER JARG 6

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

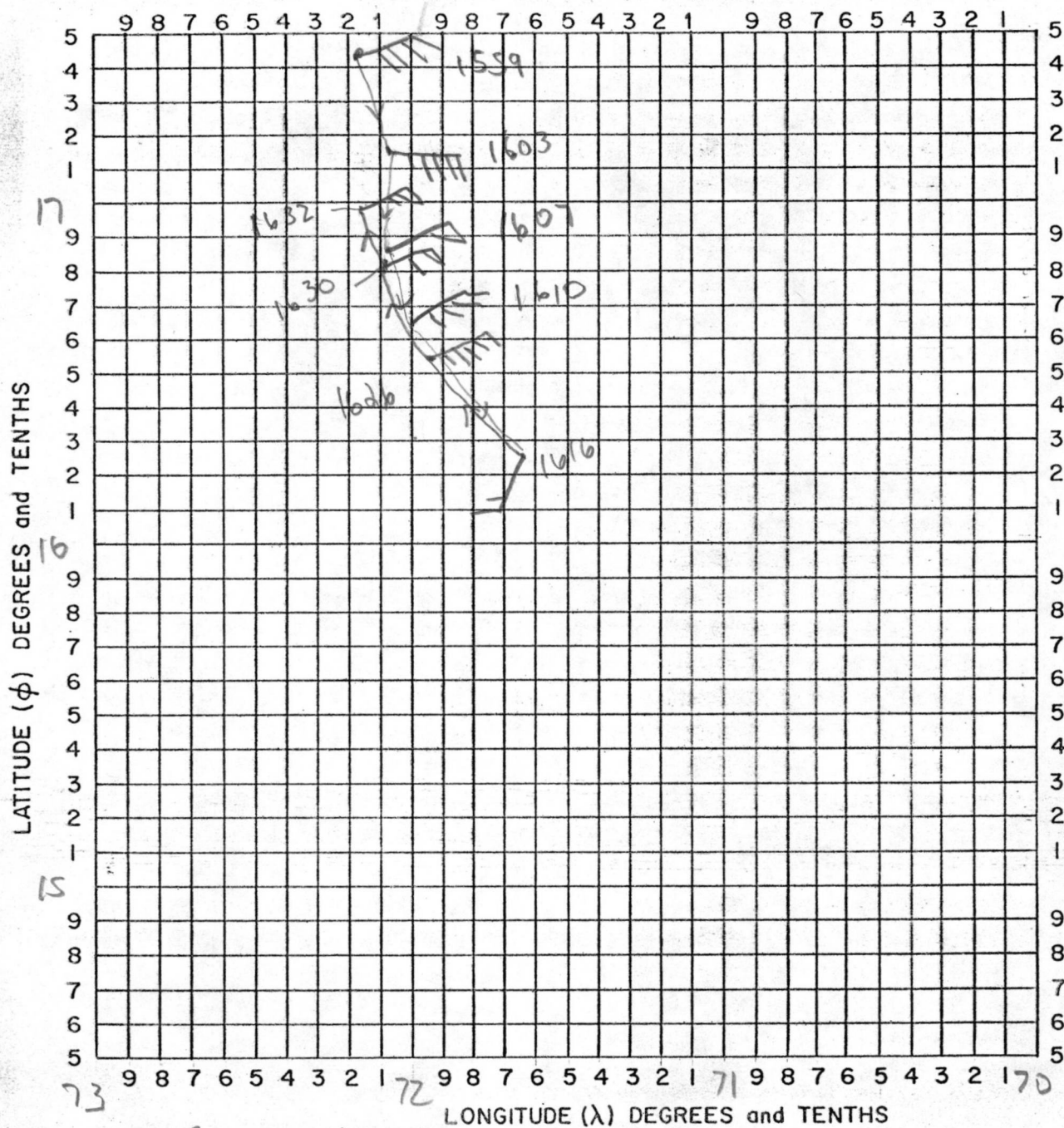


DATE 880805H1

OBSERVER JORG 7

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

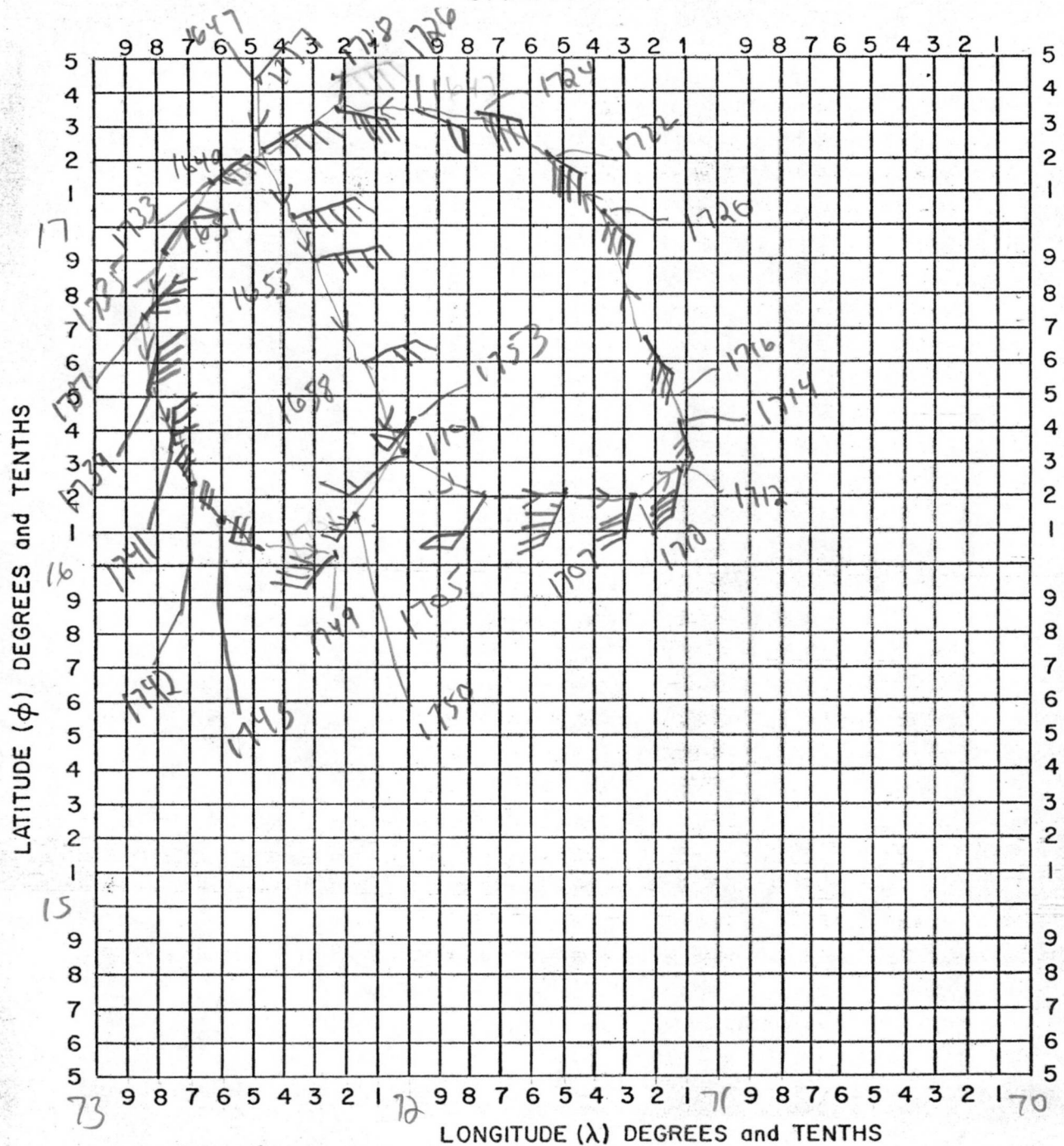


DATE 800805H

OBSERVER JDR

NOTE: Label full degrees according to location of flight area

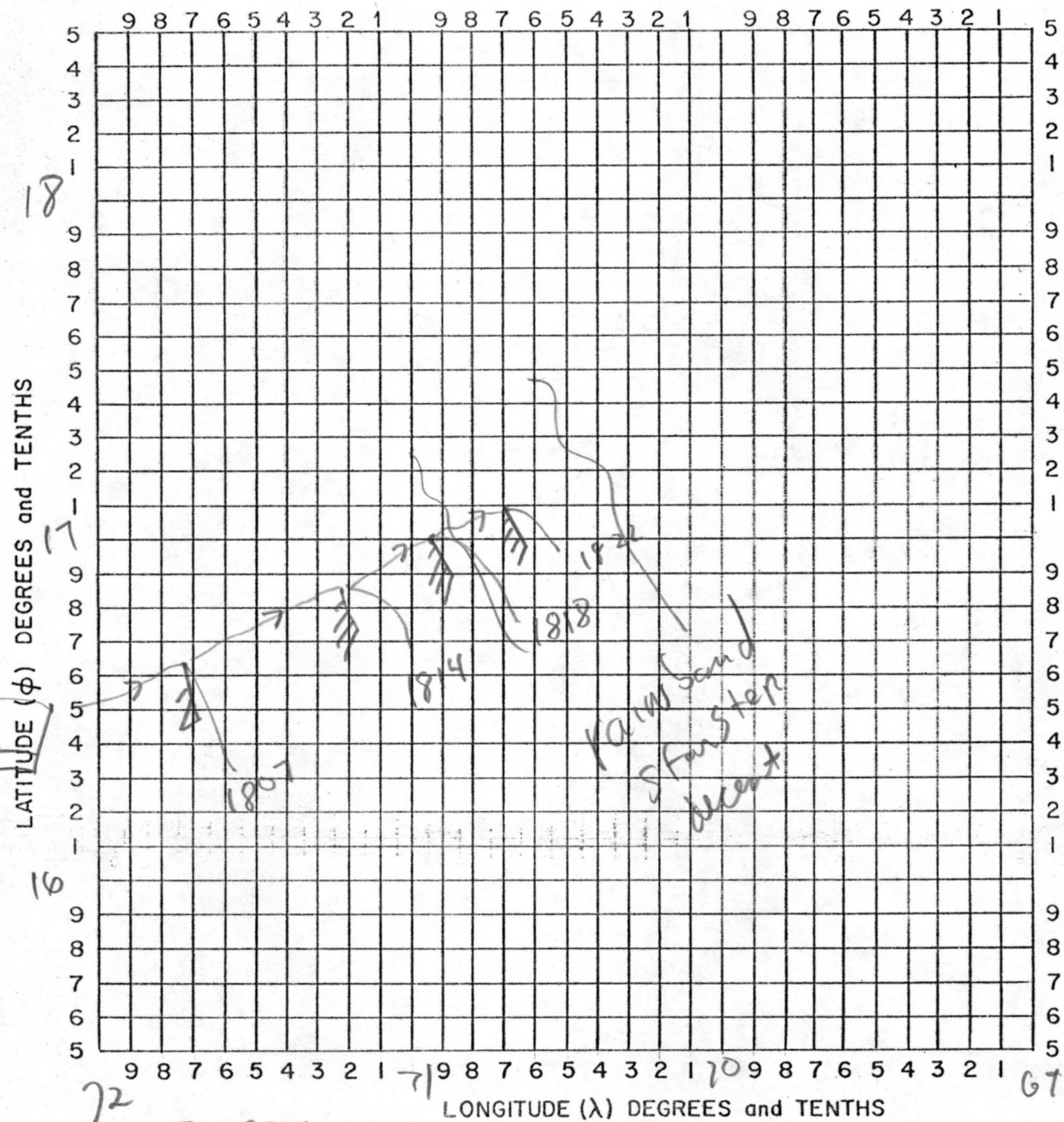
HURRICANE RECCO PLOTTING CHART



DATE 800805H1
OBSERVER JORG 9

NOTE: Label full degrees according to location of flight area

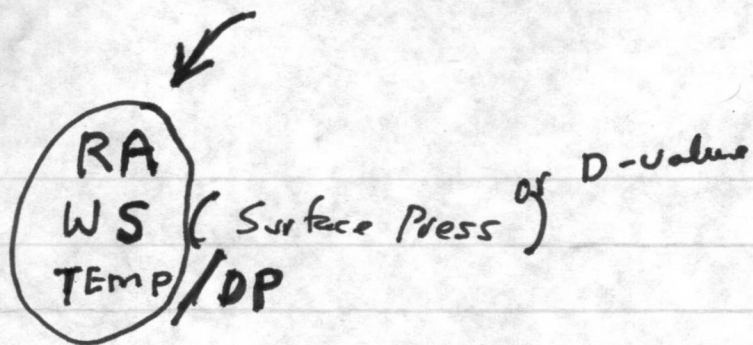
HURRICANE RECCO PLOTTING CHART



DATE 940805H1

OBSERVER 7086 10

NOTE: Label full degrees according to location of flight area


 RA
 WS
 TEMP / DP

800805 H

1021

To 1933

#5

RA 16	RADAR ALTITUDE	0 - (900.00)	
TP 18	FLIGHT LEVEL TEMP	FLGT LVL TEMPERATURE	C-18-18
TD 19	FLGT LVL DEW POINT	-18.00 - 18.00	
WS 58	FLGT LVL WIND SPEED	0 - 81.00	
SP 44	SURFACE PRESSURE	890 - 1010	