

Appendix J

Operational Checklists

1979106I1-LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 79106I1AIRCRAFT 43RFFLT 1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>JORG</u>	Gust Probe	<u>—</u>
Cloud Physics	<u>CLOS</u>	Omega Sonde	<u>—</u>
AXBT	<u>—</u>	Sys Eng	<u>SIMS</u>
Hot Film	<u>—</u>	Data Tech	<u>Paradis</u>
Radar	<u>DATZMAN</u>	El Tech	<u>Laudin</u>
Flt DIR/MET	<u>ROSSBY</u>	Other	<u>—</u>

Time Off

Location

Time On

Location

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>10/16/79</u>	<u>04Z</u>	<u>19.5</u>	<u>83.0</u>	<u>10/16/79</u>	<u>12Z</u>	<u>19.46</u>	<u>84.42</u>	<u>1012</u>
<u>10/16/79</u>	<u>06Z</u>	<u>19.5</u>	<u>84.0</u>	<u>10/16/79</u>	<u>15Z</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>10/16/79</u>	<u>18Z</u>	<u>19°28'</u>	<u>84°34'</u>	<u>1009</u>

C. Mission Briefing

Tropical depression south of Cuba, ill defined, moving slowly
westward. Fly Pattern III with 80 w.m. legs centered
on center. Altitude 1500 FC.

D. Equipment Status

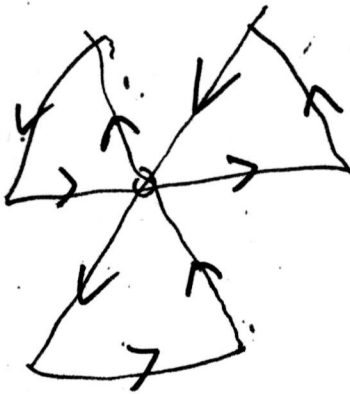
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	OK	OK	OK	
Radar	OK	OK	OK	✓
Cloud Physics	OK	OK	OK	✓
Data Sys	OK	DOWN	DOWN	✓
Omega Sondes	—	—	—	
AXBT	—	—	—	
Gust Probe	—	—	—	
Hot Film	—	—	—	
Photography	OK	OK	OK	

REMARKS

Temperature, winds, and PA (occasionally RA) bad during the entire flight. Hardly any useful data recorded. Cloud Physics (Knollenburg probes) worked well as did the radar recording system. Lower fuselage radar continues to be of poor quality. No presentable picture during flight. Nose worked well but had STC.

E. Proposed Flight Patterns

1500 ft Pattern III

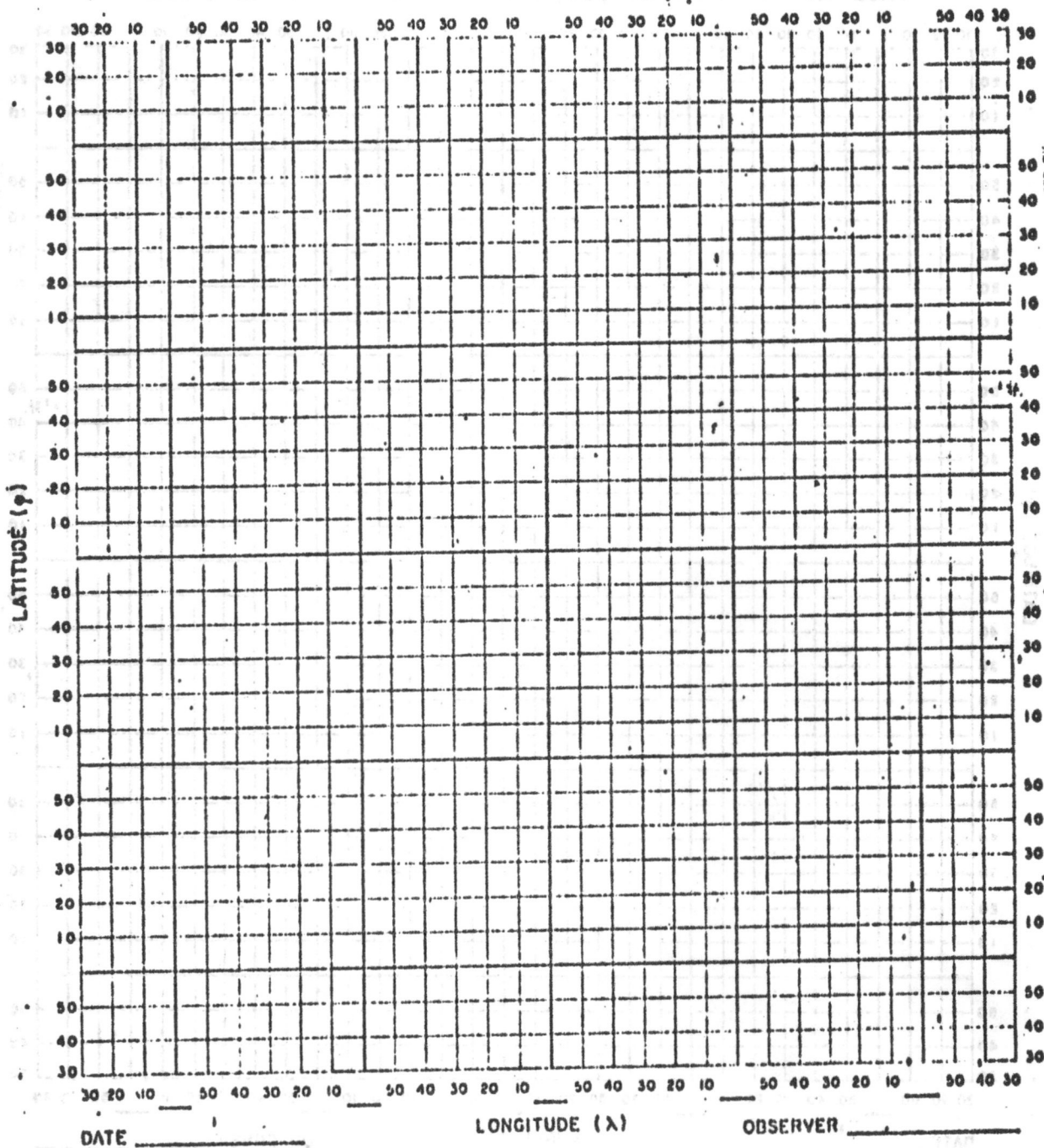


F. Actual Flight Patterns

As proposed at 1500 ft
System very diffuse and very weak. Almost no convection.
There appeared to be a ~~small~~ system ~ 100 n.mi east
of storm center.

HURRICANE RECCO PLOTTING CHART

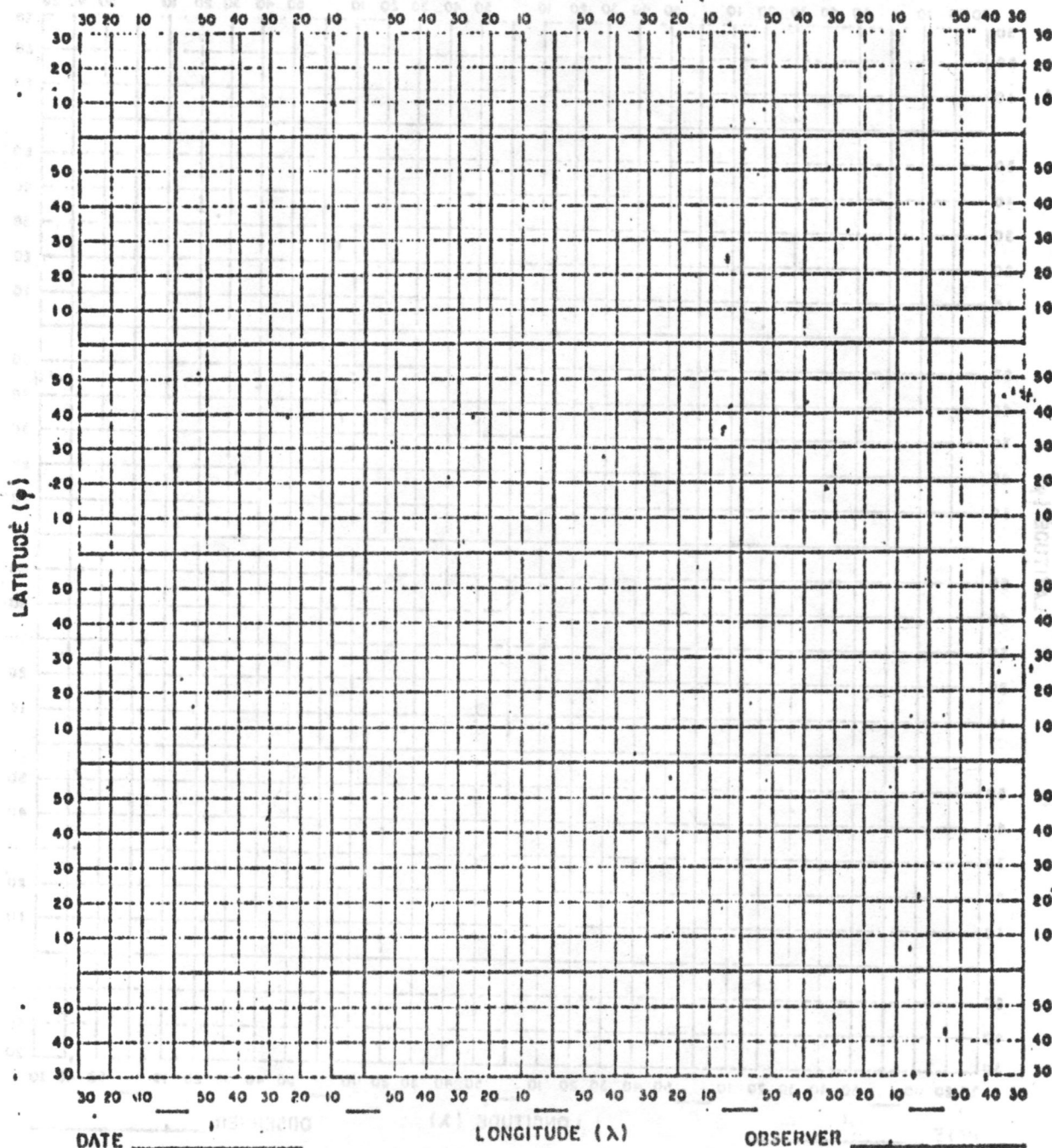
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

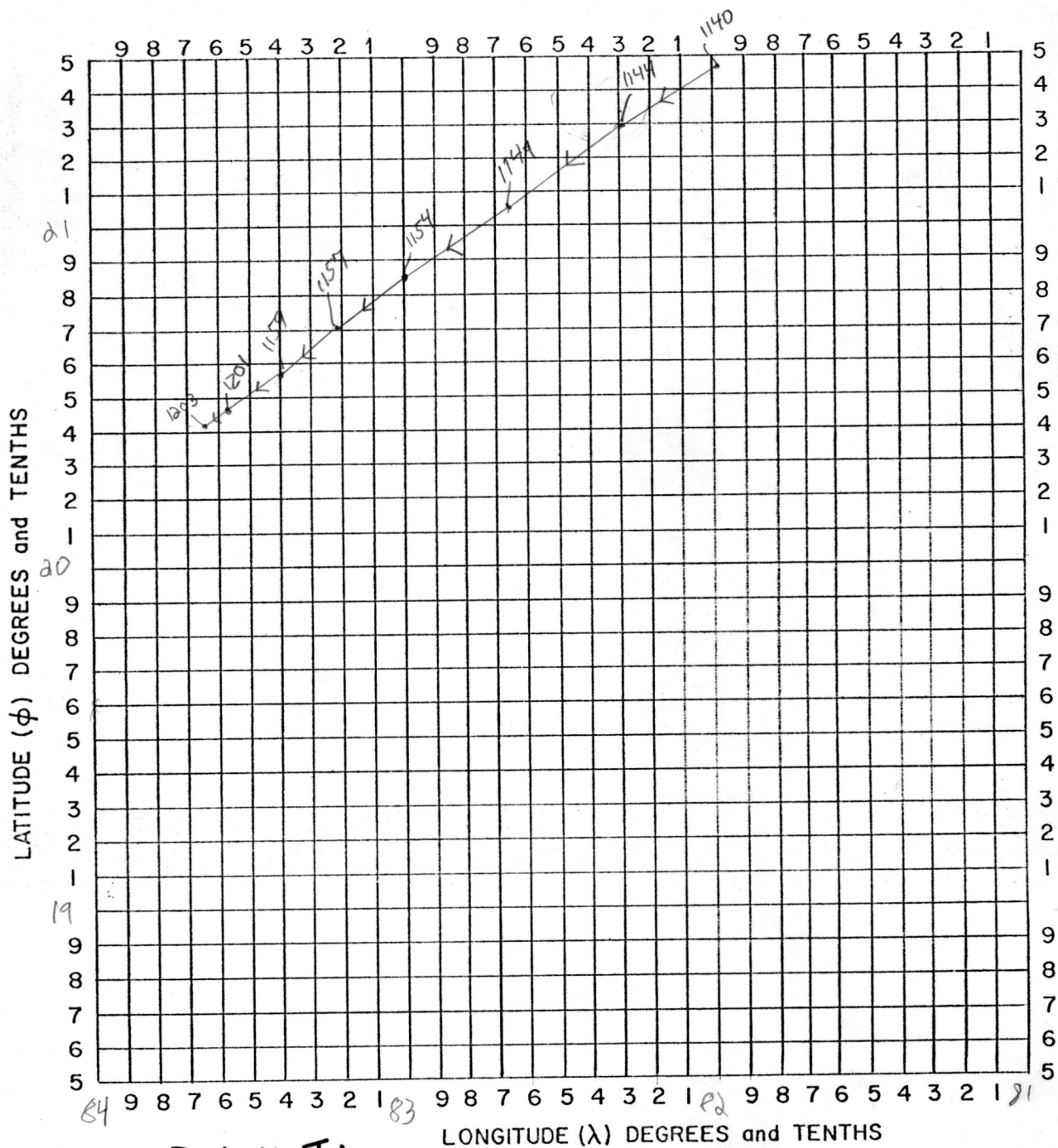
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HURRICANE RECCO PLOTTING CHART

(1)

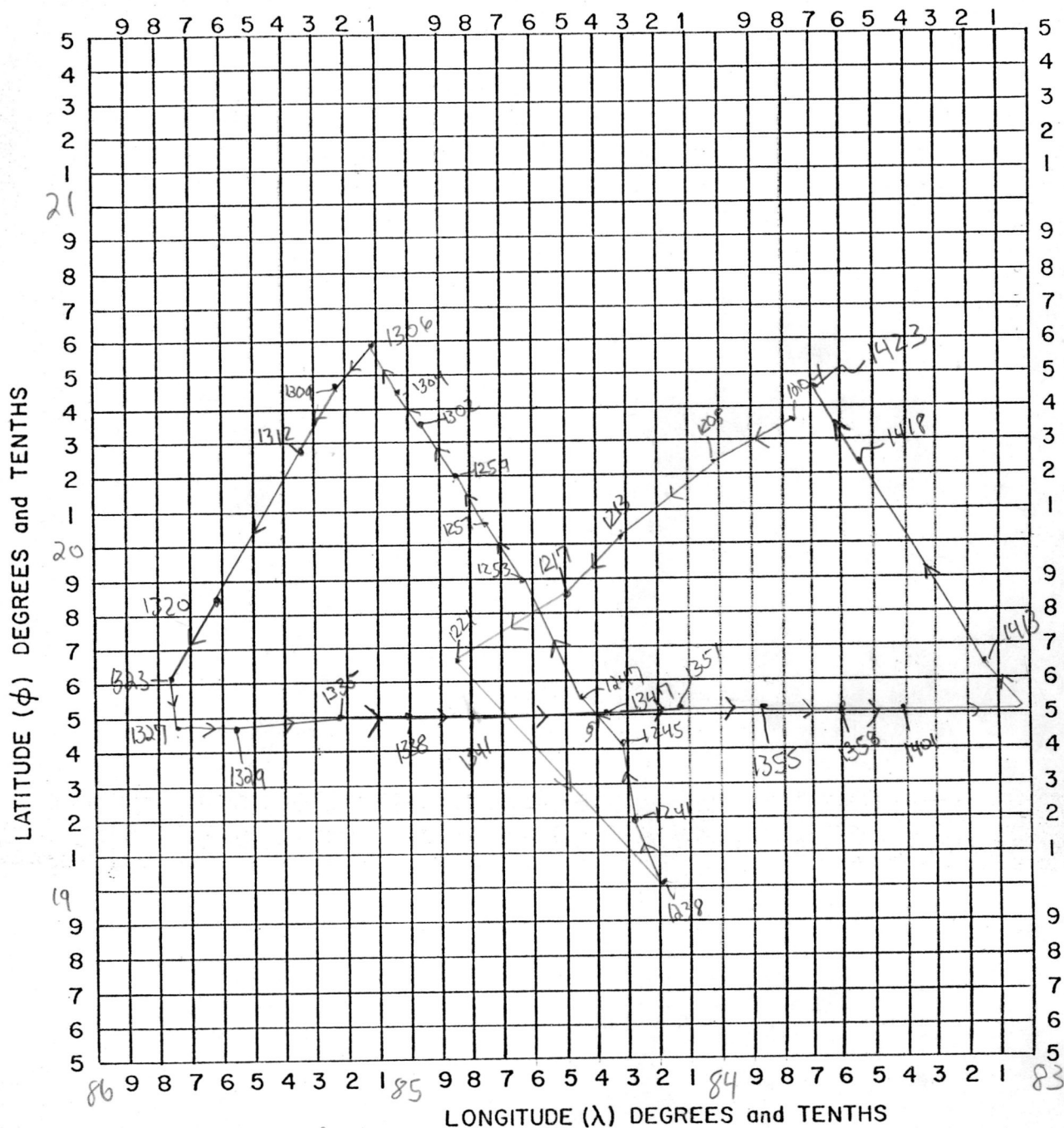


DATE 791016 I I
OBSERVER JORG

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

(2)

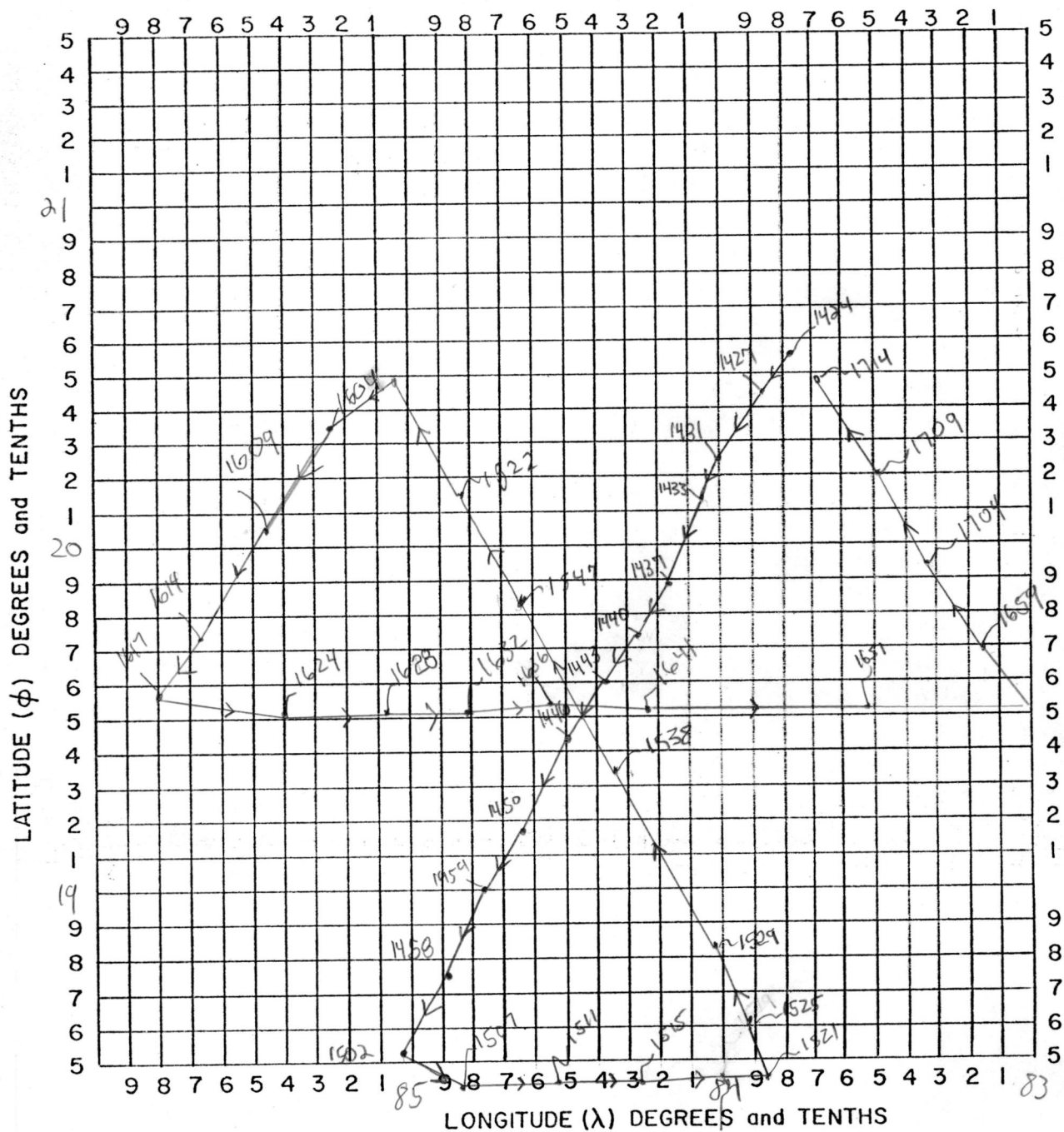


DATE 791016T

OBSERVER JORG

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

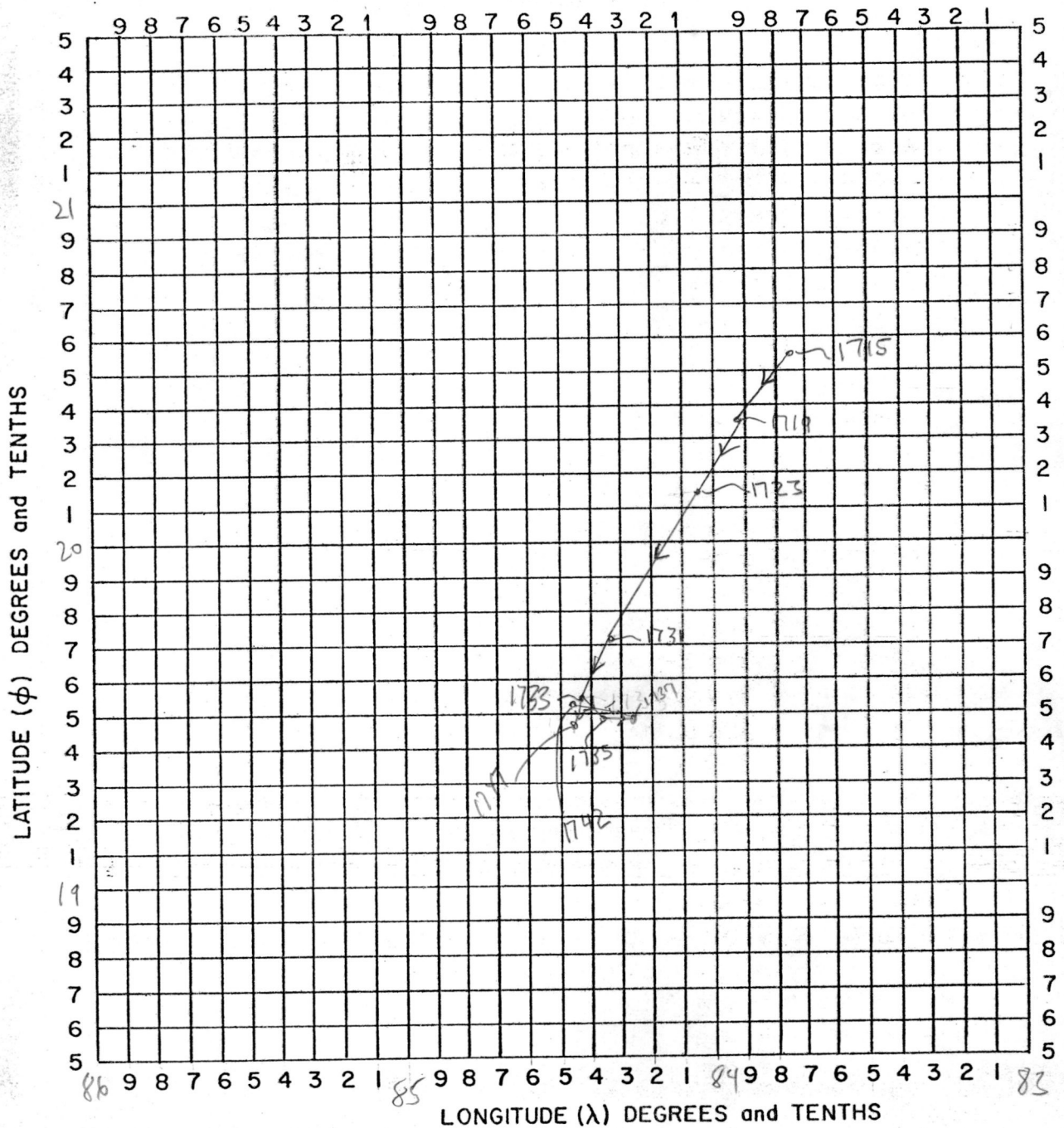


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OBSERVER _____

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



DATE 791016 I I

OBSERVER JORG

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