

Appendix J

Operational Checklists

19790912H1-LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE **790912H1**AIRCRAFT **42RF**FLT **1**

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>JORG</u>	Gust Probe	<u>—</u>
Cloud Physics	<u>Powell</u>	Omega Sonde	<u>—</u>
AXBT	<u>Paradis</u>	Sys Eng	<u>Larden</u>
Hot Film	<u>—</u>	Data Tech	<u>Brenson</u>
Radar	<u>Griffin</u>	El Tech	<u>Connors</u>
Flt DIR/MET	<u>Mc Fadden</u>	Other	<u>—</u>

Time Off **0435Z** Location **MIA** Time On **1400** Location **MIA**

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>9/12</u>	<u>06Z</u>	<u>26.4</u>	<u>86.4</u>	<u>9/12</u>	<u>07Z</u>	<u>25.5</u>	<u>86.7</u>	<u>948.1</u>
<u>9/12</u>	<u>0230Z</u>	<u>25.9</u>	<u>85.9</u>	<u>9/12</u>	<u>0933Z</u>	<u>27.05</u>	<u>86.83</u>	<u>936.0</u>
<u>9/12</u>	<u>19Z</u>	<u>25.0</u>	<u>85.5</u>	<u>9/12</u>	<u>1224Z</u>	<u>27.4</u>	<u>87.1</u>	<u>938.0</u>

C. Mission Briefing

No required operational fixes. Will try to stay at 1500 ft.
Max Endurance mission. Ft pattern I. 14 AXBT on board
Drop along 26.0N, one in eye, and one in eyewall.

D. Equipment Status

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

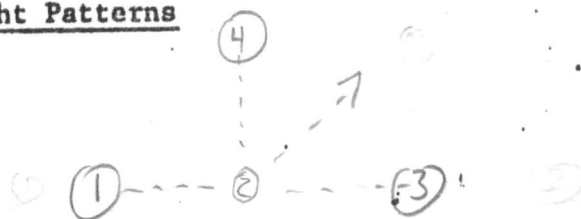
REMARKS

Much lightning in bands ~100 n.mi east of center on first pass. Had to extend legs to ~100 n.mi to find clear area to change radar tapes. Northbound leg went to R ~ 120 n.mi, trying to find extent of gale force winds, winds never did drop below 65 knots.

E. Proposed Flight Patterns

at 1500 ft flight pattern I in hurricane ops plan

F. Actual Flight Patterns



3-2-1-2 at 1500 ft

climb to 5,000 ft between 2 and 4

4-2-5-2-3-2-1 at 5,000

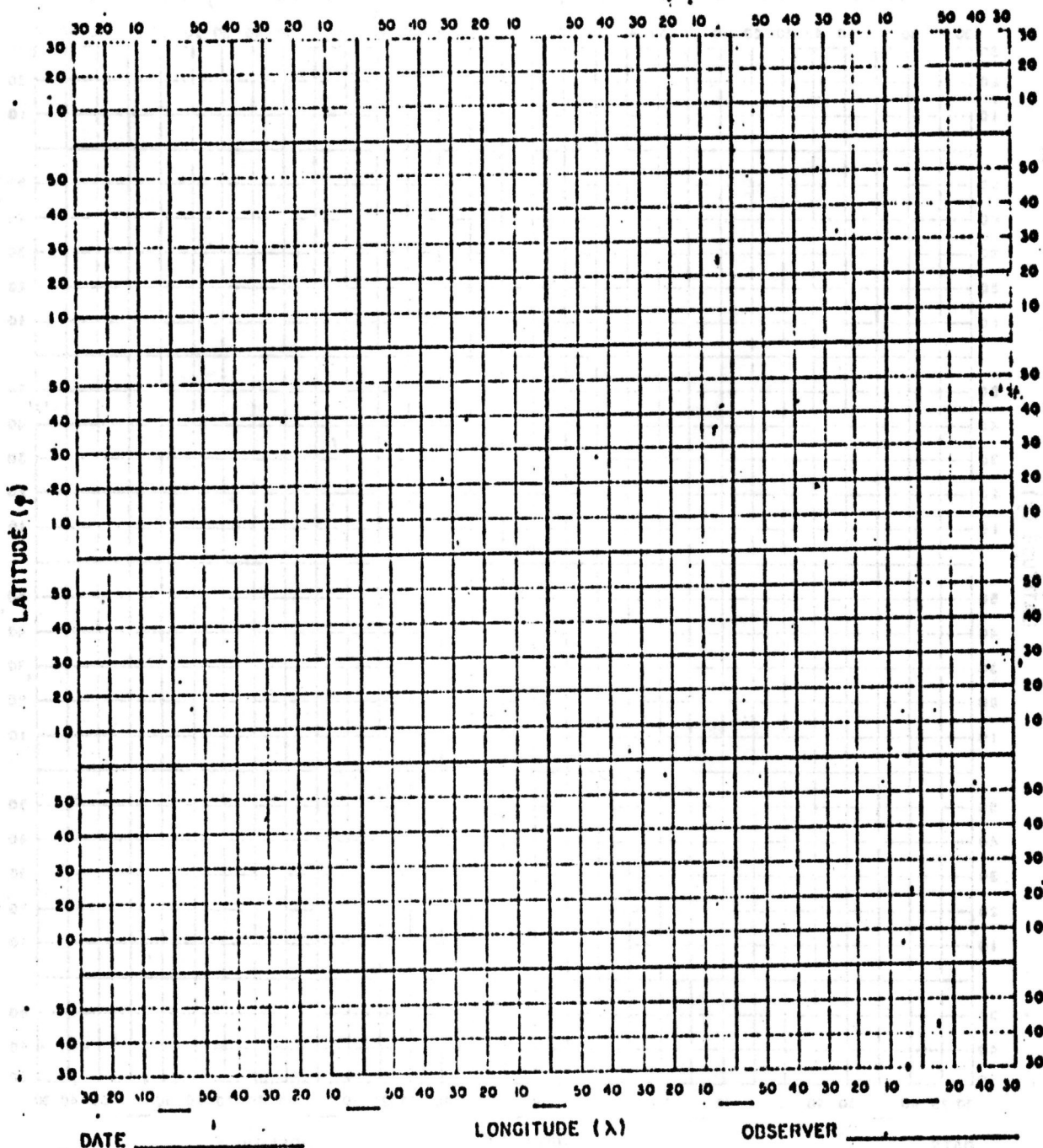
1 toward 5 at 1500 ft cut across 26°N for AXBT

drops; 3-4 and halfway to 1 at 1500

to 1 at 5,000. 1-2 out a 45° heading east to Miami

HURRICANE RECCO PLOTTING CHART

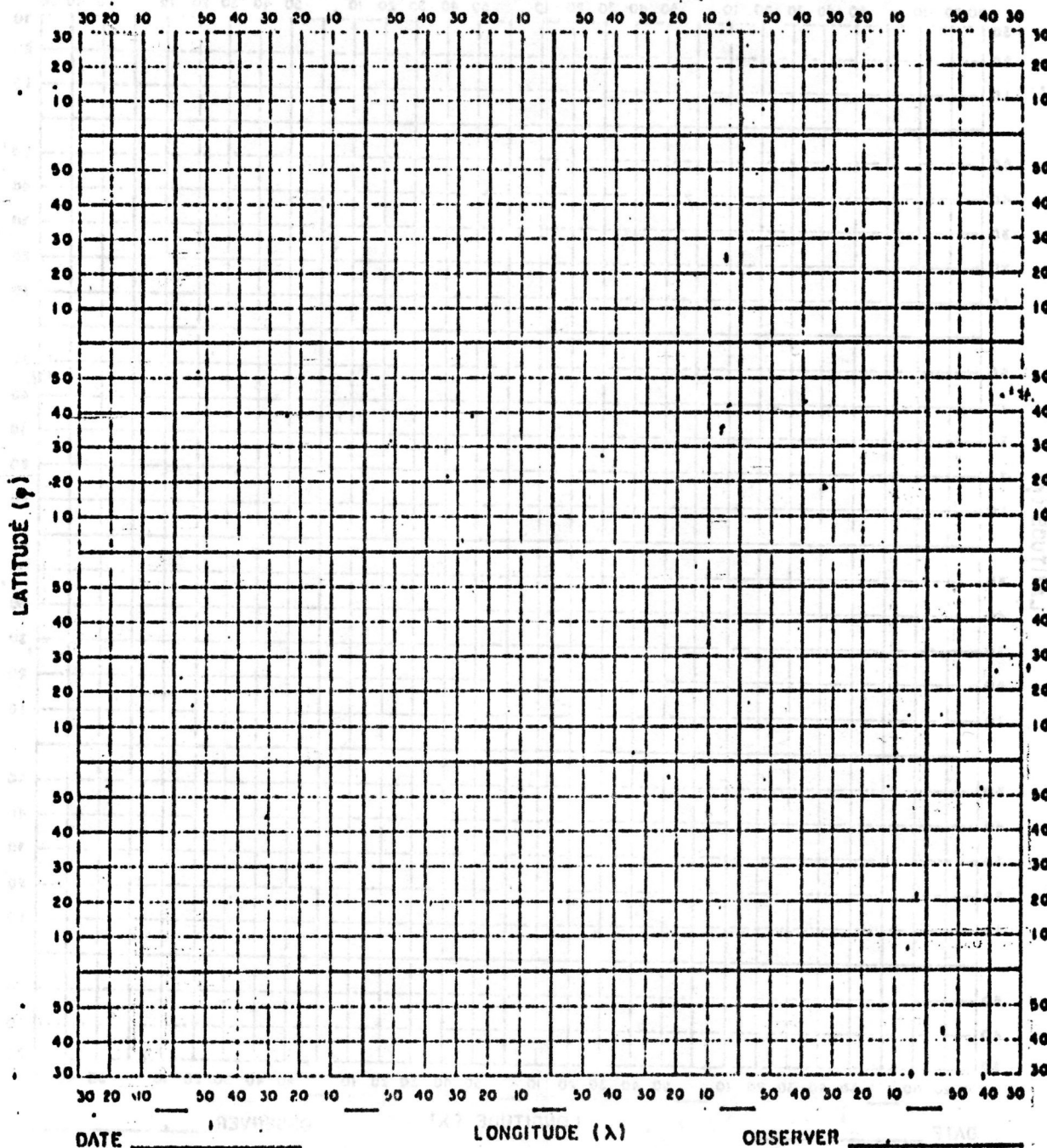
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

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

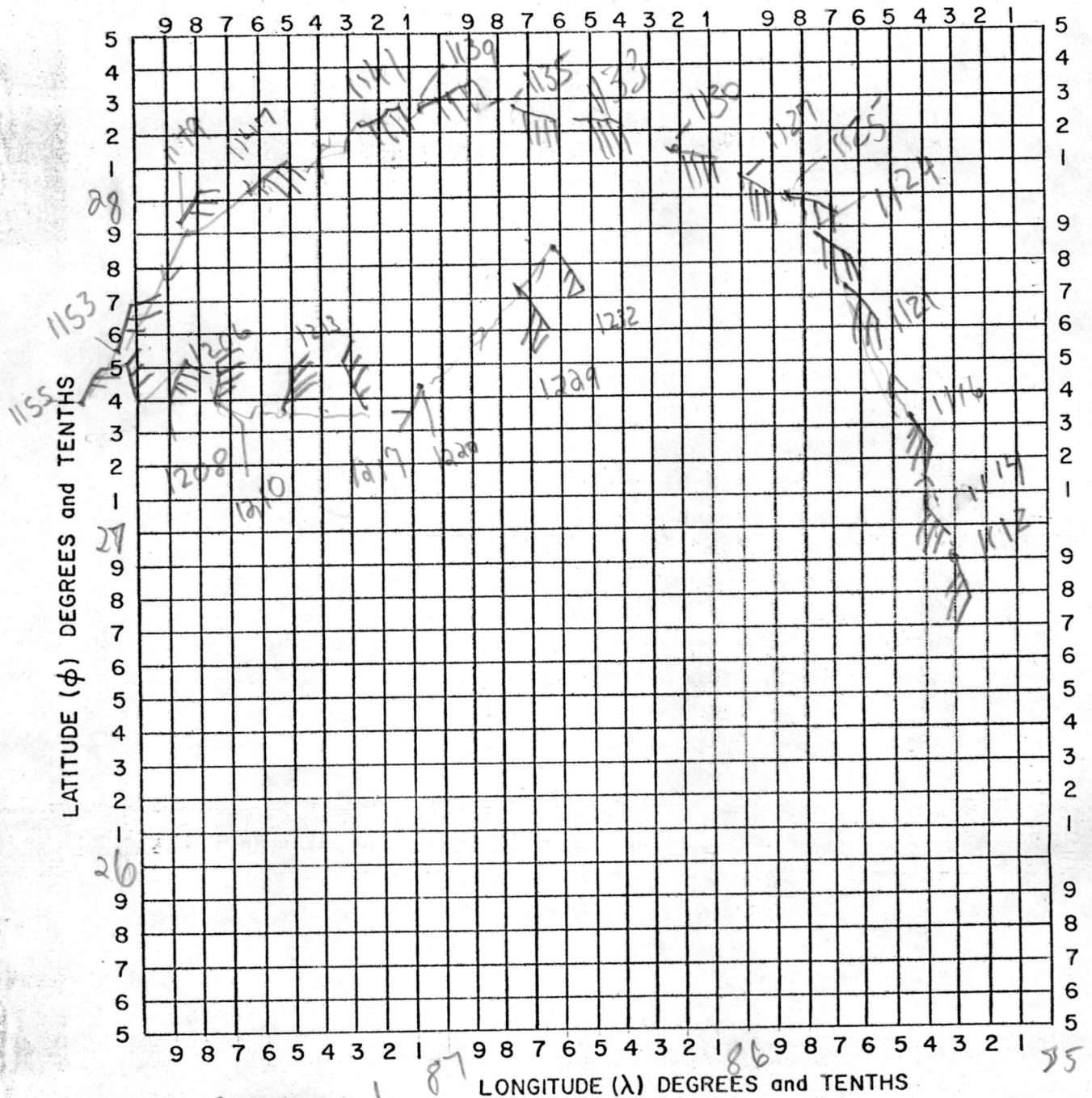


NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

DATE 10/10/74
OBSERVER JORG

NOTE: Label full degrees according to location of flight area

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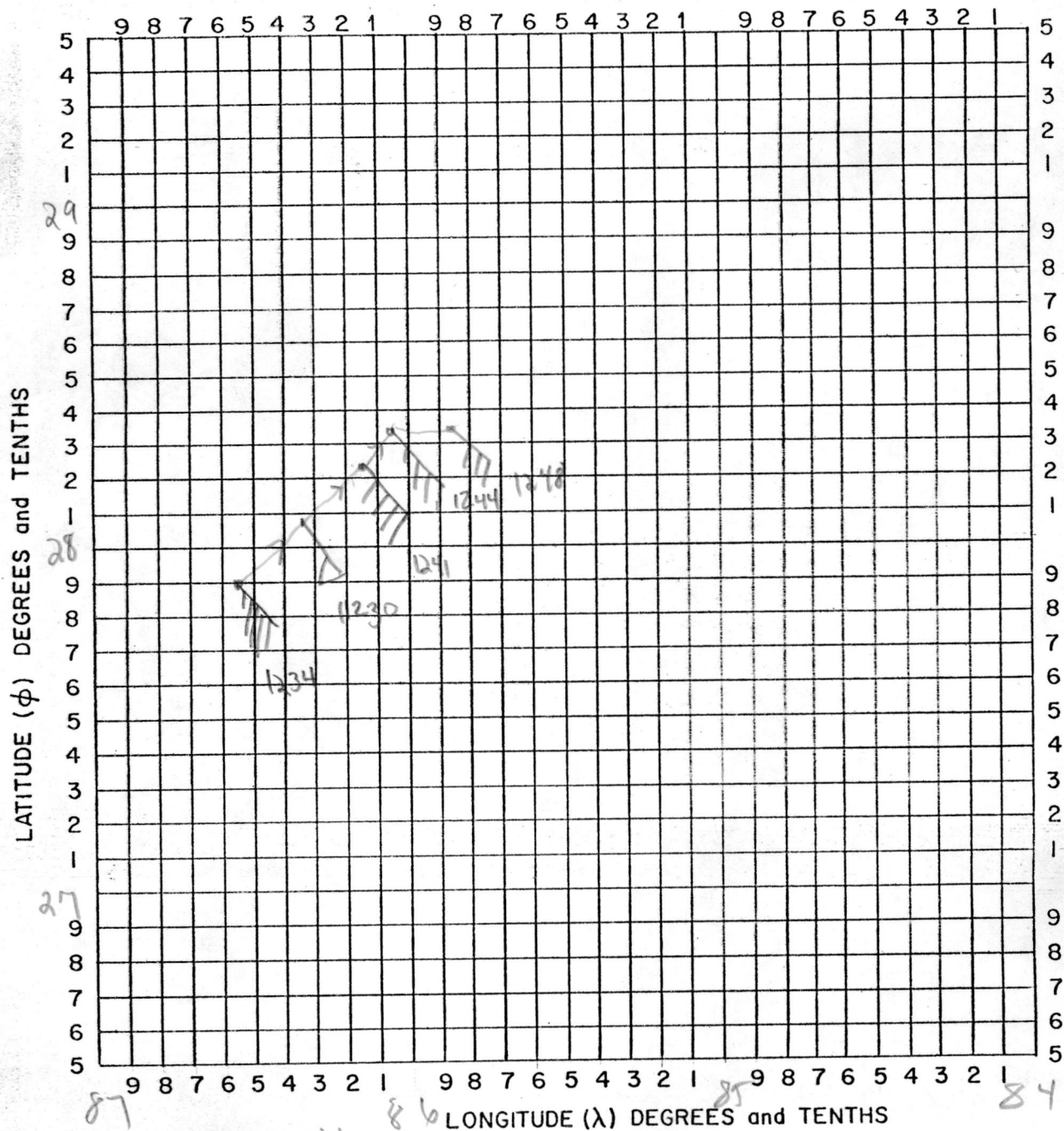


DATE 99071241

OBSERVER 40RB

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



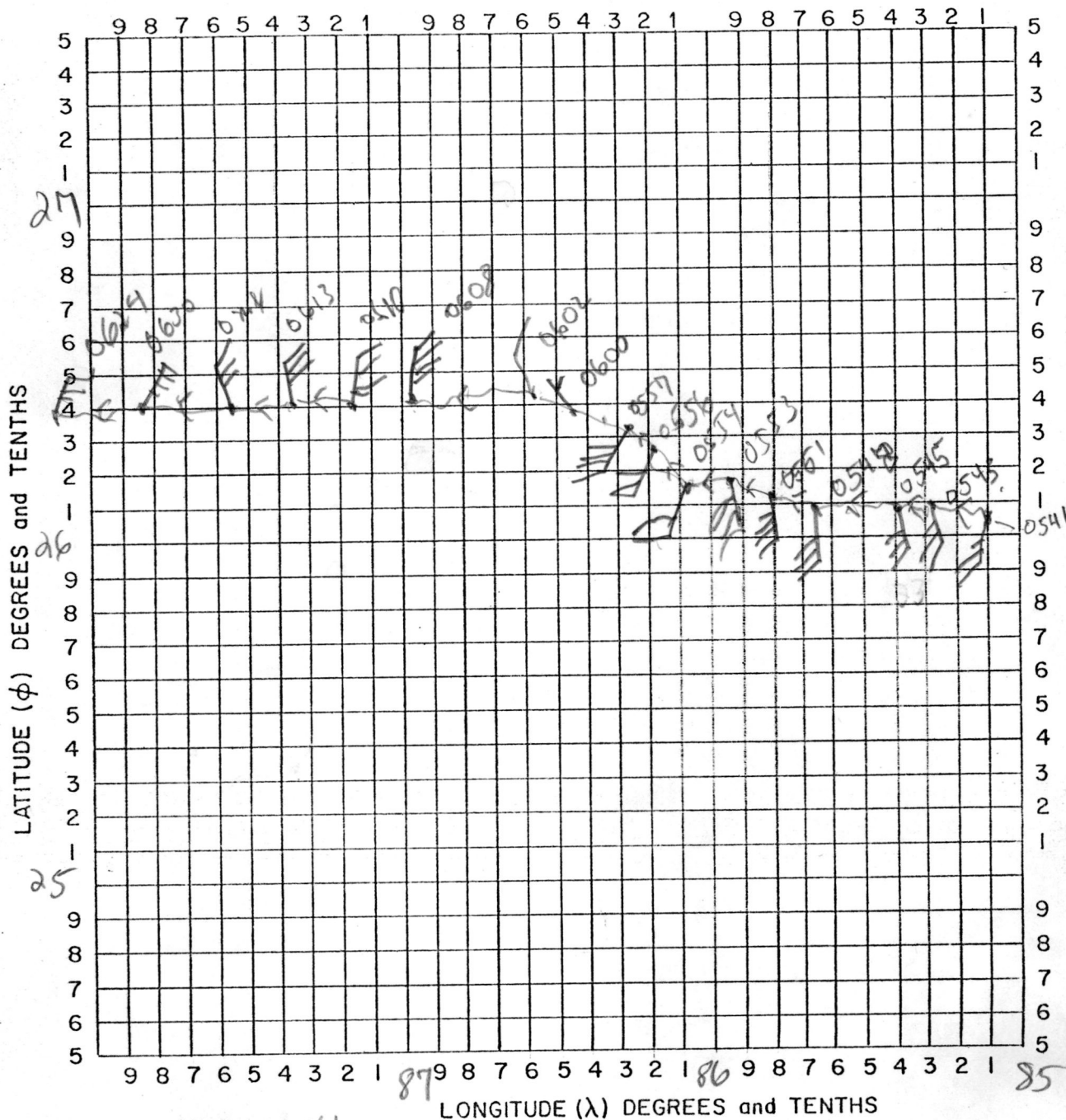
DATE 790912H

OBSERVER JORG

NOTE: Label full degrees according to location of flight area

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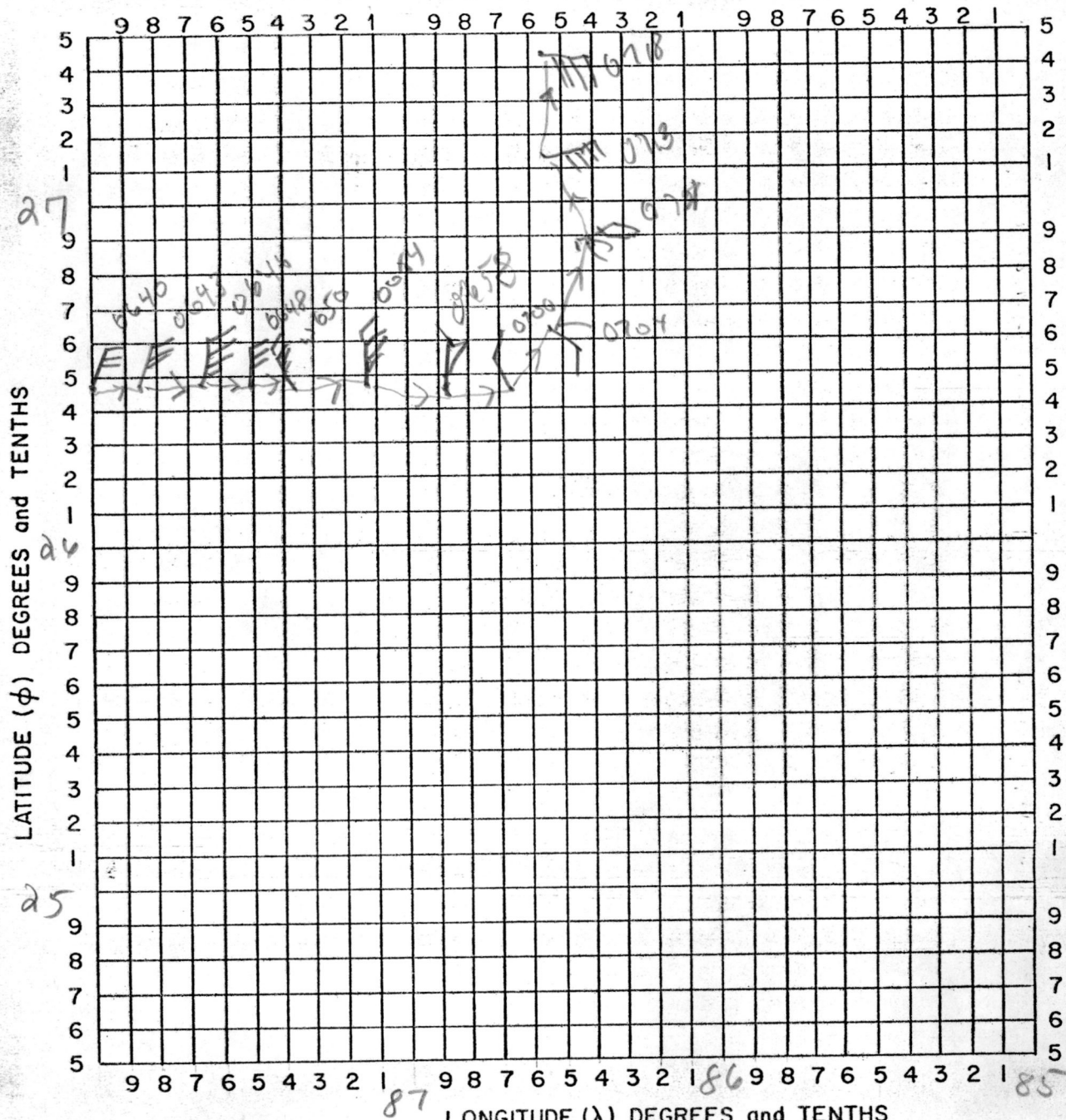
DATE 790912H1

OBSERVER JORG

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART

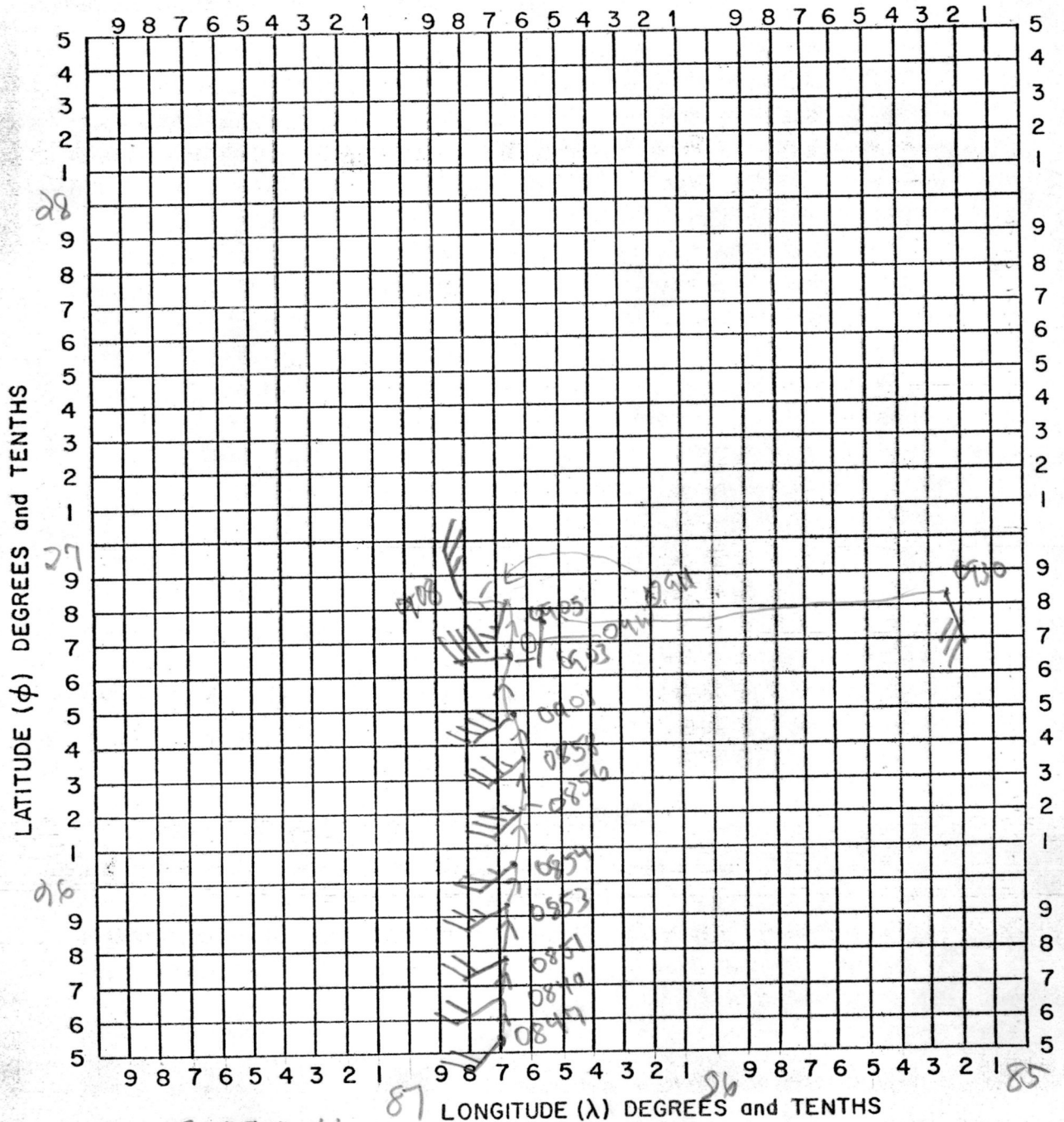
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DATE 790912H1
OBSERVER FORG

NOTE: Label full degrees according to location of flight area

HURRICANE RECCO PLOTTING CHART



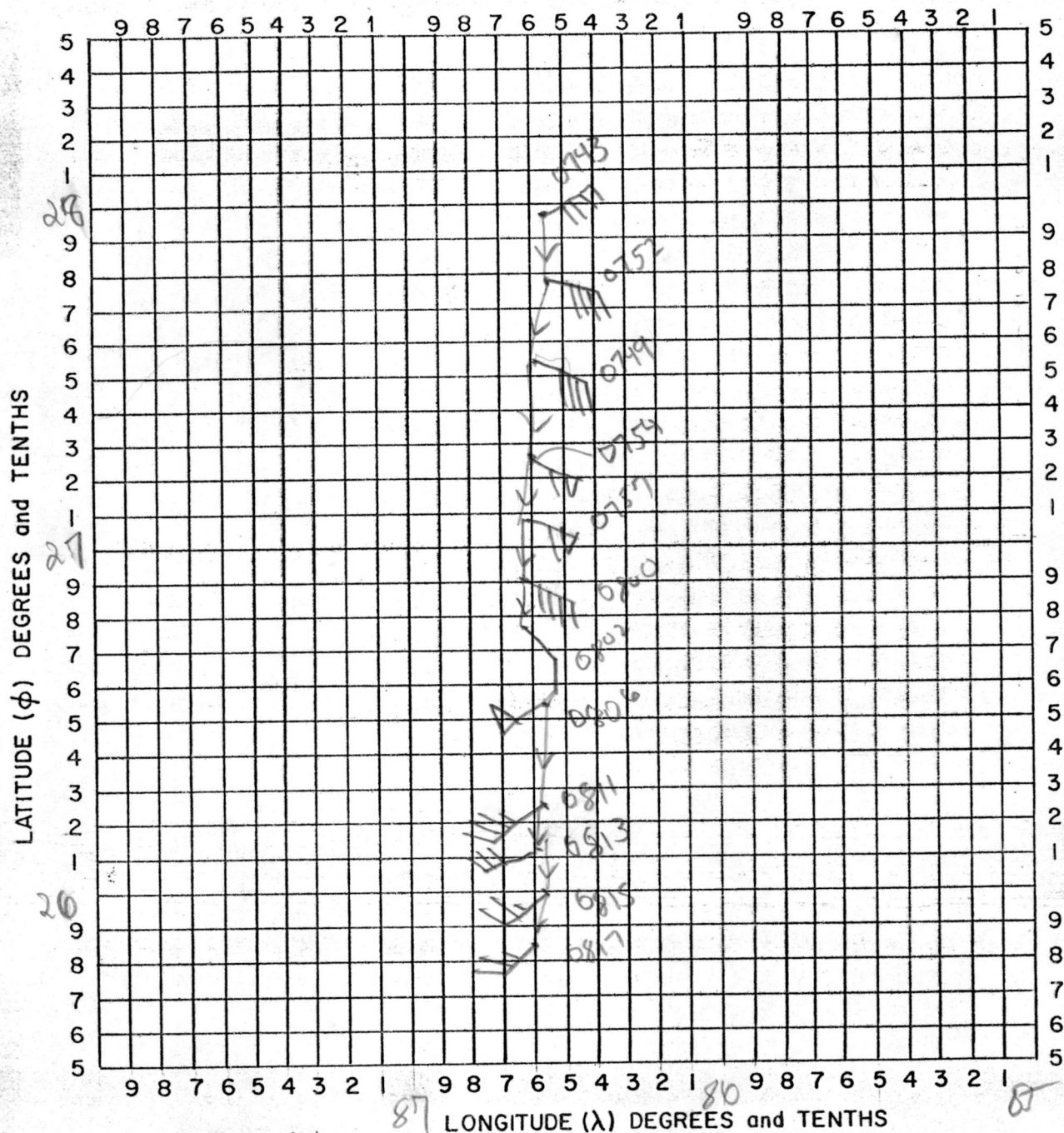
DATE 790918H1

OBSERVER JORG

NOTE: Label full degrees according to location of flight area

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HURRICANE RECCO PLOTTING CHART



DATE 79091241

OBSERVER JORG

NOTE: Label full degrees according to location of flight area