Appendix J

Operational Checklists

19790902HI-LPS

FORM J-1 On-board Lead Project Scientist Checklist

DATE 790902HI AIRCRAFT 42RF FLT 1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	JORGENSEN	Gust Probe	—
Cloud Physics	Powell	Omega Sonde	—
AXBT	—	Sys Eng	Goldstien
Hot Film	—	Data Tech	Darby
Radar	Stewart / Fiorino	El Tech	Mcrory
Flt DIR/MET	Rossby	Other	

Time Off 2001 Z Location Miami Time On 0455 Location Pensacola

B. Past and Forecast Storm Position - Observed Positions

	Date	Time	Lat	Lon
	9/2	16Z	23.7	76.8
Forecast	9/3	00Z	24.6	78.0
Forecast	9/3	12Z	26.0	79.5

Date	Time	Lat	Lon	MSLP
9/2	2050Z	24.3	77.9	979
9/3	00Z	24.56	78.29	980
9/3	0236Z	24.73	78.52	965

C. Mission Briefing

Storm over Andros Island. Responsible for 00Z, 03Z 9/3/79 fixes. Butterfly pattern at 5,000 ft and 1500 ft, if possible.

Form J-1, Page 2

D. Equipment Status

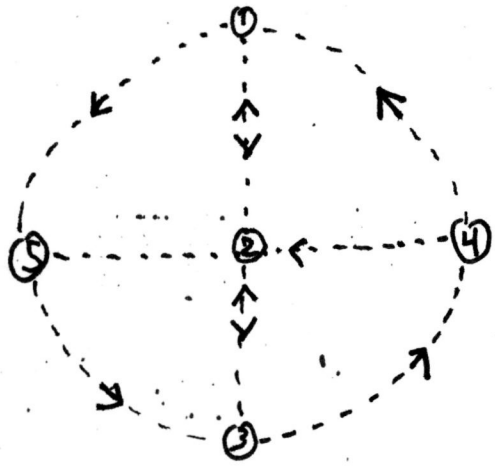
Equipment	Pre Flt	In Flt	Post Flt	Reports Collected
Aircraft	Up	Up	Up	Yes
Radar	Up	Up	Up	Yes
Cloud Physics	Up	Up	Up	Yes
Data Sys	Up	Up	Up	Yes
Omega Sondes	—	—	—	
AXBT	—	—	—	
Gust Probe	—	—	—	
Hot Film	—	—	—	
Photography	Up	Up	Up	

REMARKS

Some disagreement between Data system winds and Navigator INE winds on approach to storm. Data displayed winds look wrong for the quadrent of the storm aircraft is in. Winds ok by 2120. Darby said discrepency might be due to dirty pitot tube. All other systems Go. To shorten last leg flew down radius of maximum wind in northeast quadrent to get idea of max wind.

Form J-1, Page 3

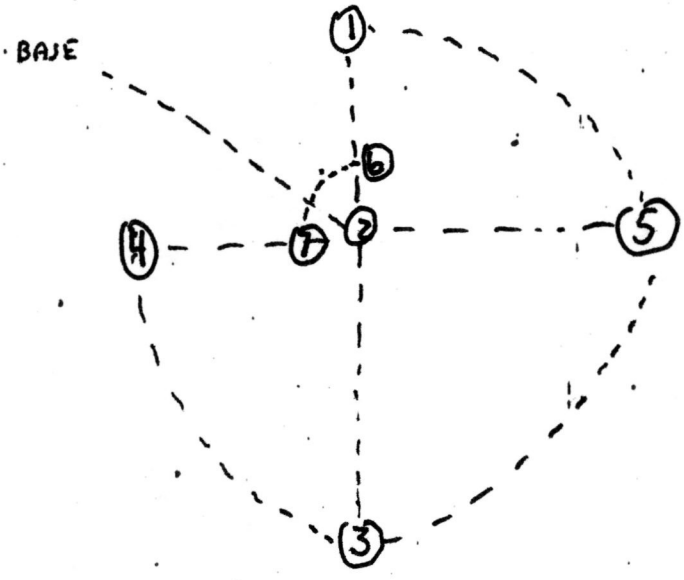
E. Proposed Flight Patterns



1 - 2 - 3 - 4 - 2 - 5 - 3 - 2 - 1 - 5 - 2 - 4 - 1

At 5 K FT and 1500 ft.

F. Actual Flight Patterns

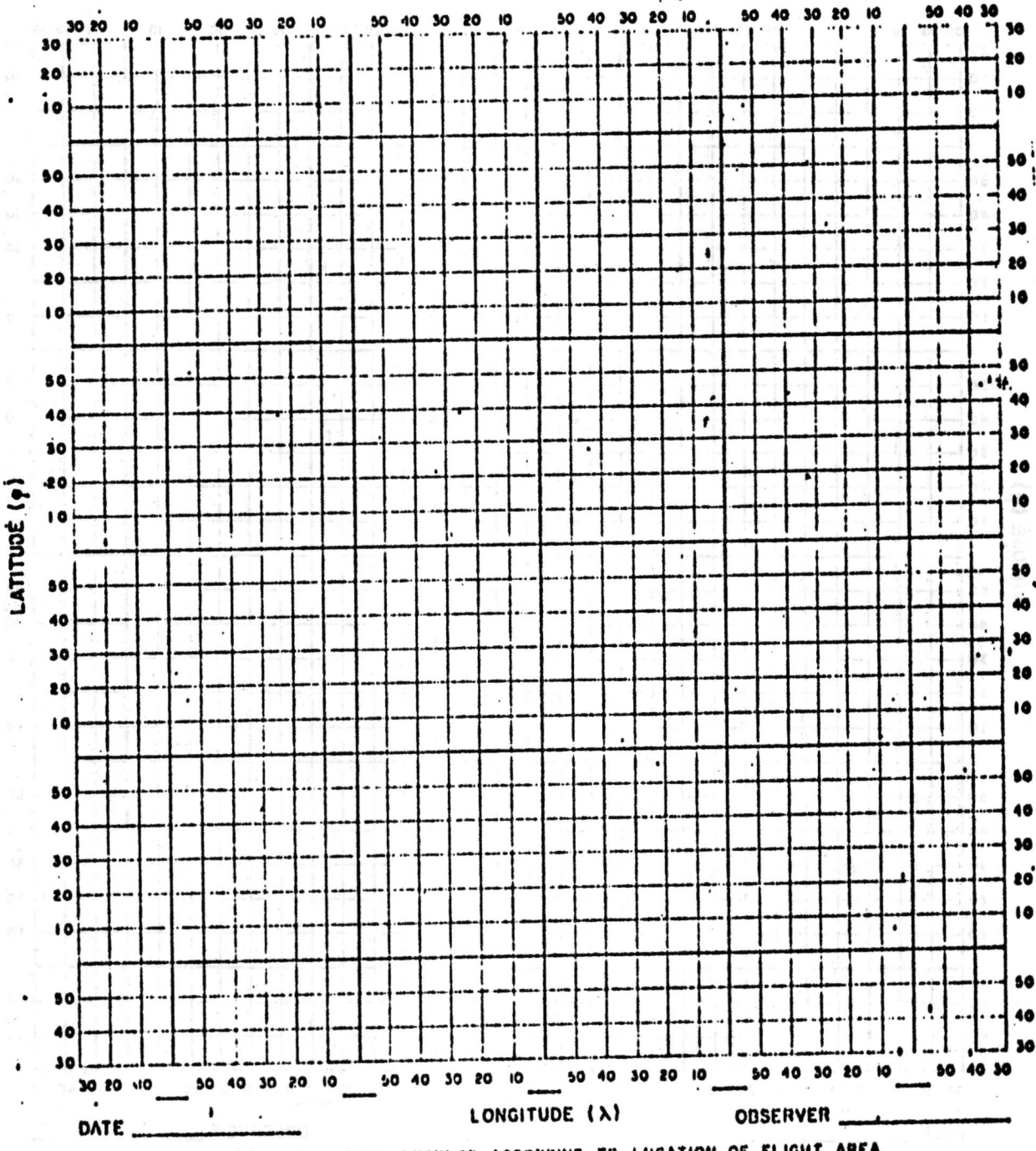


MIAMI - 2 - 3 - 4 - 2 - 5 - 1 - 2 - 3 - 5 descend to 1500

5 - 2 - 4 - 3 - 5 - 2 - 6 - 7 - 2 - climb to 5 K ft but to Pensacola

HURRICANE RECCO PLOTTING CHART

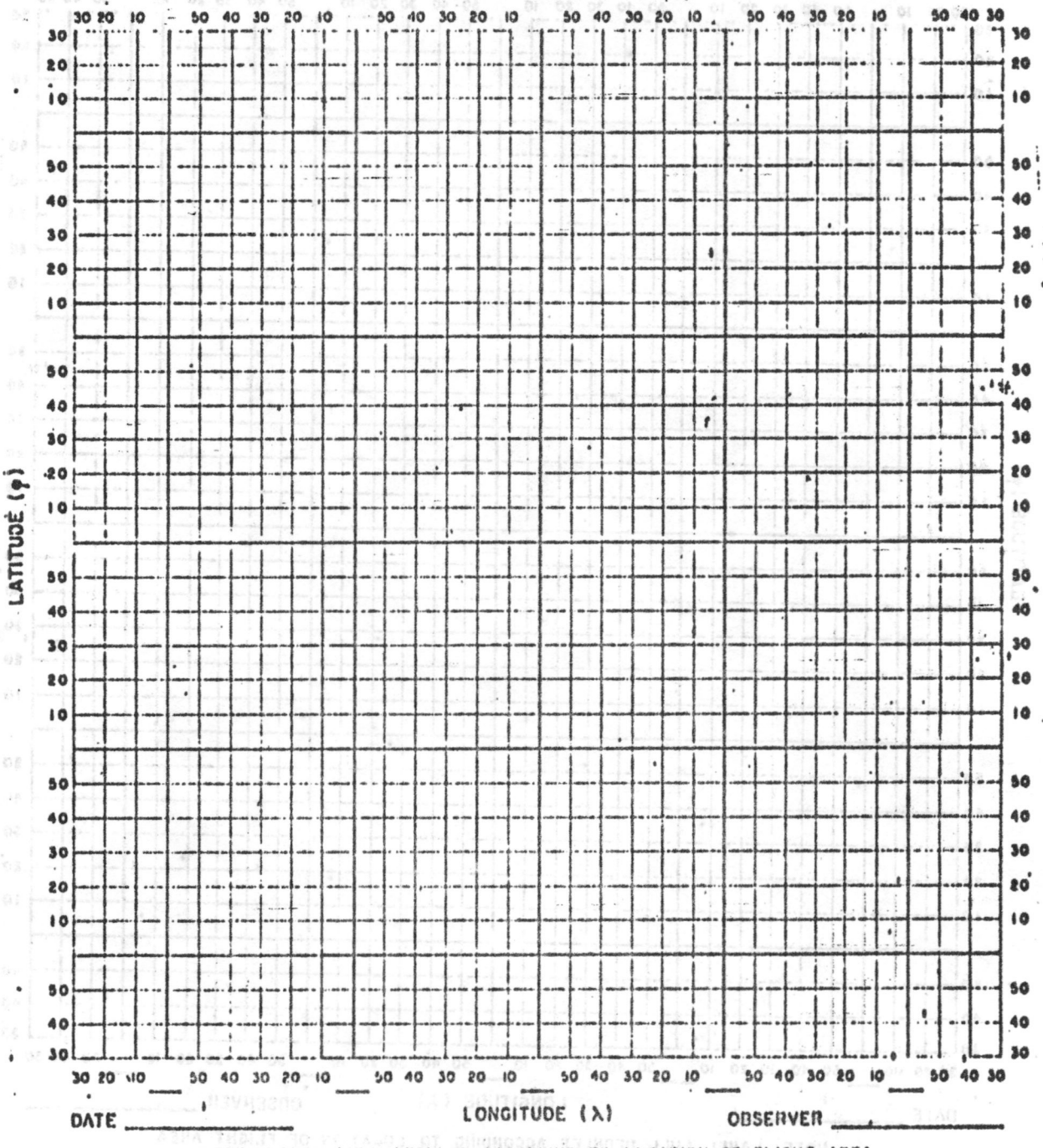
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF φ AND λ



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

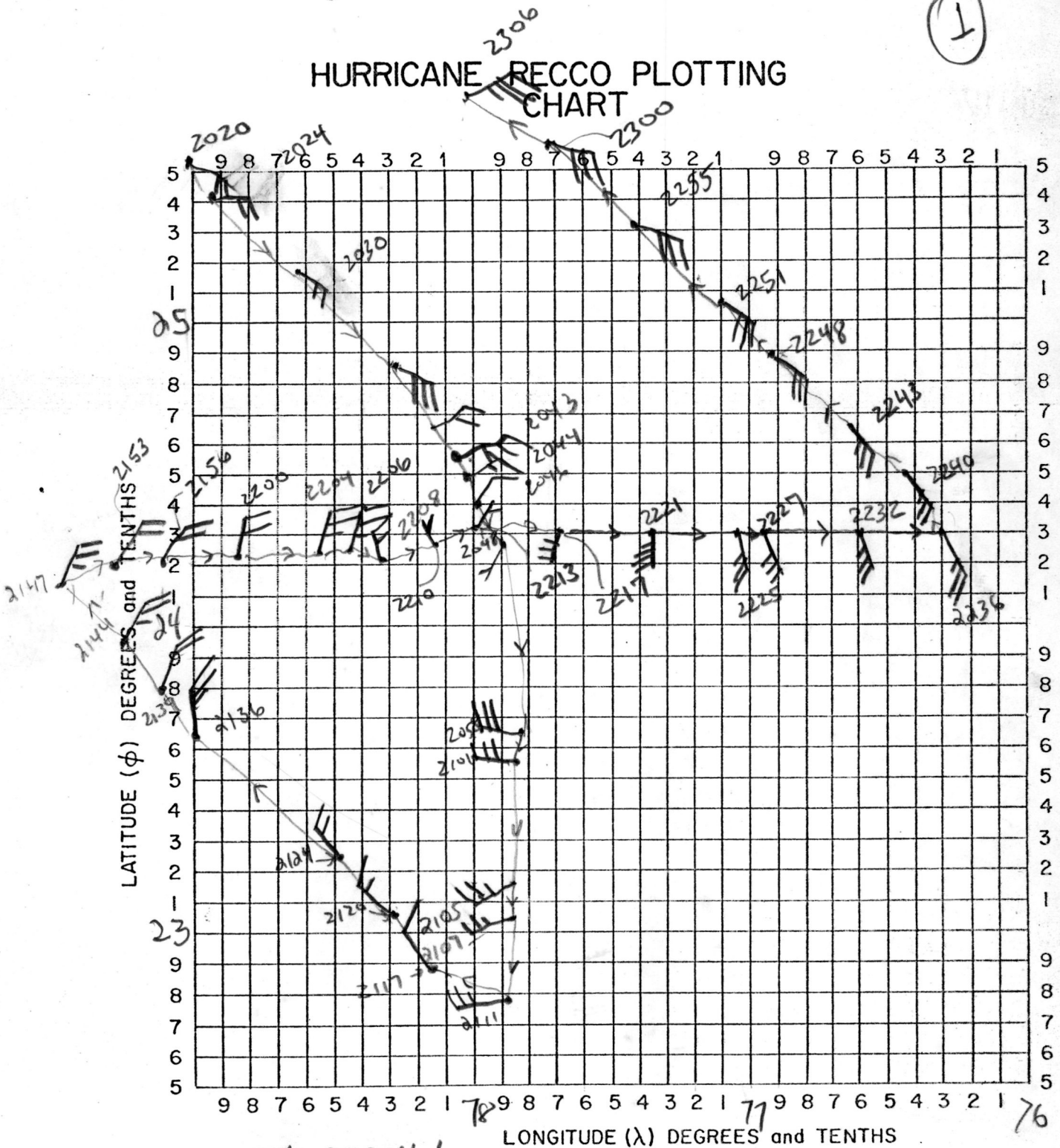
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF φ AND λ



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

(1)

HURRICANE RECCO PLOTTING CHART



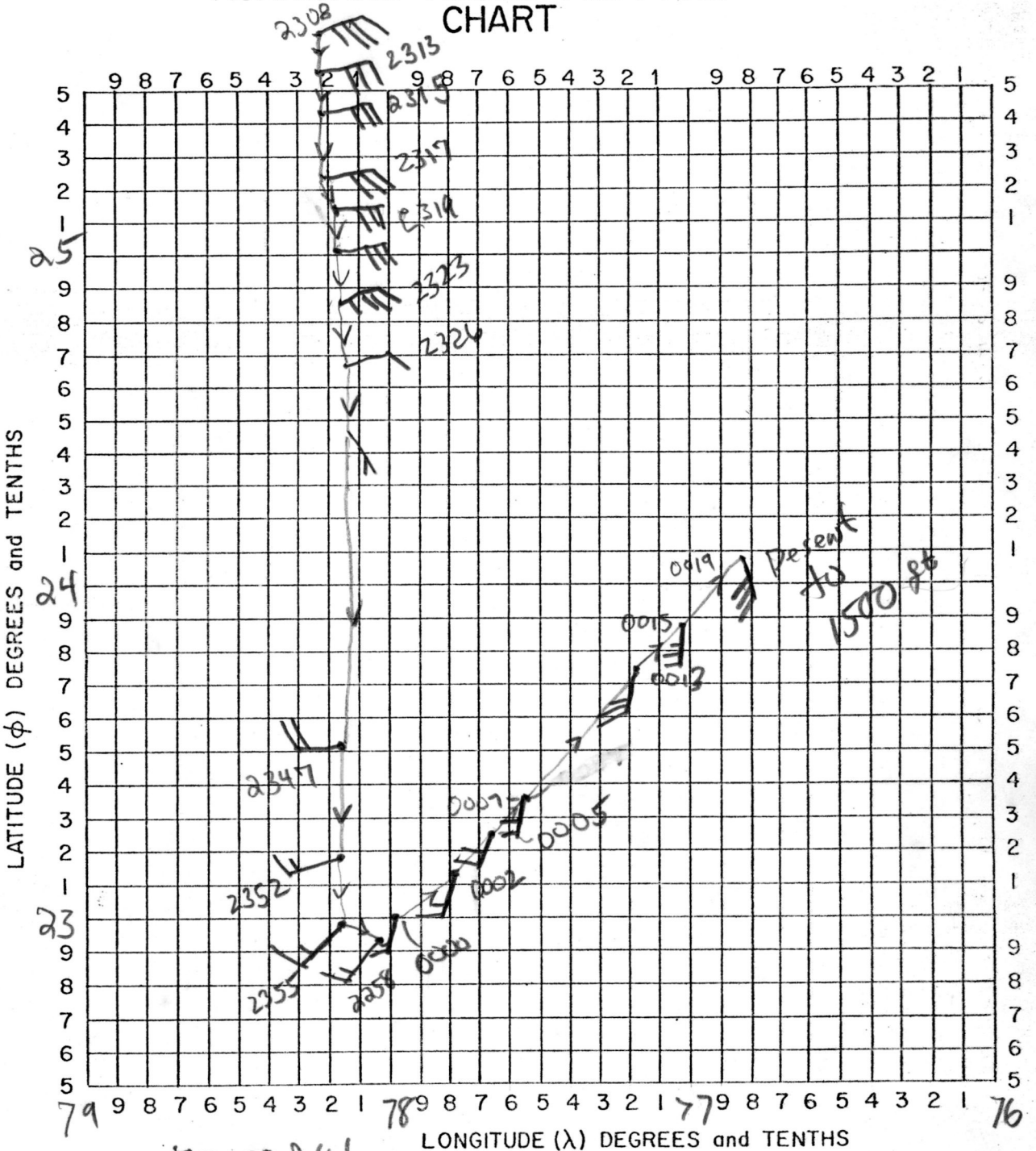
DATE 790902H1

OBSERVER JORG

NOTE: Label full degrees according to location of flight area

(2)

HURRICANE RECCO PLOTTING CHART



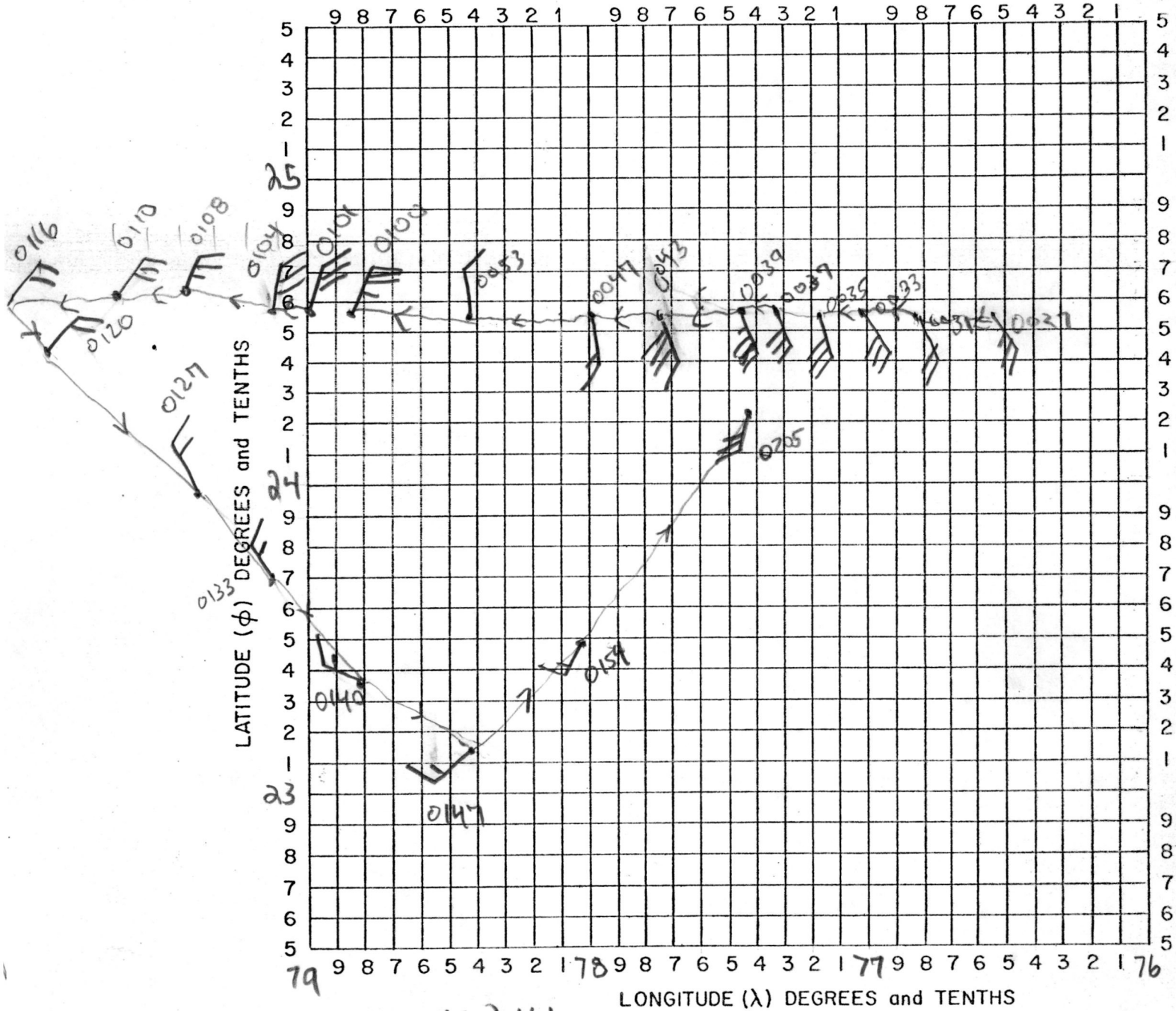
DATE 79090241

OBSERVER JORE

NOTE: Label full degrees according to location of flight area

(3)

HURRICANE RECCO PLOTTING CHART



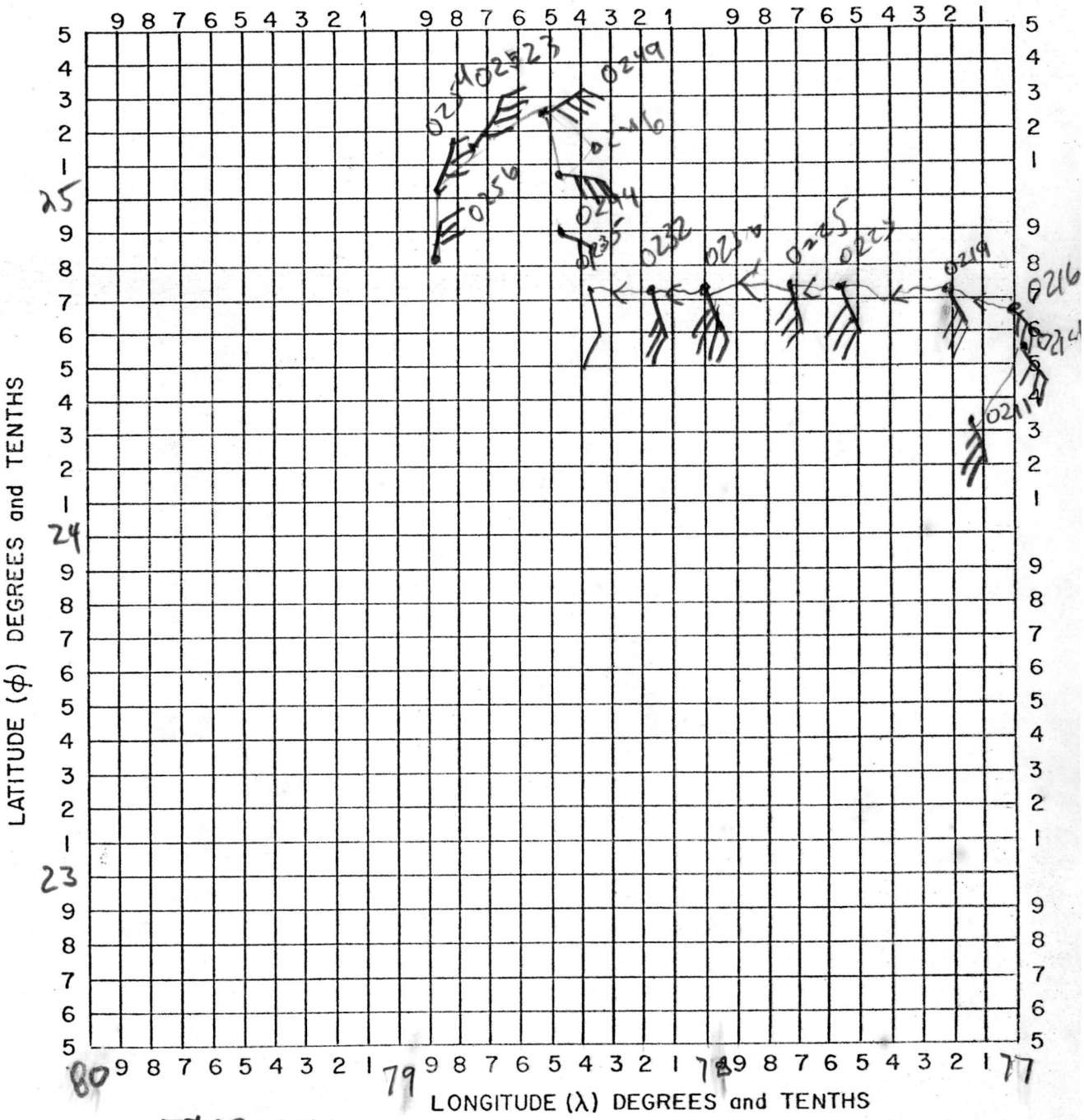
DATE 790902H1

OBSERVER JORG

NOTE: Label full degrees according to location of flight area

(4)

HURRICANE RECCO PLOTTING CHART



DATE 79090241

OBSERVER JORG

NOTE: Label full degrees according to location of flight area