

## Appendix J

## Operational Checklists

19780811NL-LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE Aug 11, 1978AIRCRAFT NASA 990FLT 780811N1

## A. Participants

Function	Participant
Lead Proj. Sci.	<u>B. Lewis</u>
Cloud Physics	<u>T. Mijares</u>
AXBT	<u>N/A</u>
Hot Film	<u>N/A</u>
Radar	<u>N/A</u>
Flt DIR/MET	<u>E. Peterson</u>

Function	Participant
Gust Probe	<u>N/A</u>
Omega Sonde	<u>M. Douglas &amp; S. Datzman</u>
Sys Eng	<u>None from NOAA</u>
Data Tech	<u>NASA-Sara</u>
El Tech	<u>None from NOAA</u>
Other Pilot	<u>F. Drinkwater</u>

Time Off 160859 Location SAT, P.R. Time On \_\_\_\_\_ Location \_\_\_\_\_

## B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>8/11</u>	<u>172</u>	<u>12.5</u>	<u>66.5</u>	<u>8/11</u>	<u>0900</u>	<u>12.3</u>	<u>65.0</u>	<u>1007</u>
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

## C. Mission Briefing

Flying with NASA Goddard flight. Tim will be 1st Experimenter

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	<u>OK</u>	<u>OK</u>	<u>Spin down</u>	_____
Radar	<u>OK *</u>	<u>OK</u>	<u>OK</u>	_____
Cloud Physics	<u>Not on Board</u>	_____	_____	_____
Data Sys	<u>OK</u>	<u>OK</u>	<u>OK</u>	_____
Omega Sondas	<u>OK</u>	<u>Failed **</u>	<u>OK</u>	_____
AXBT	<u>N/A</u>	_____	_____	_____
Gust Probe	<u>N/A</u>	_____	_____	_____
Hot Film	<u>N/A</u>	_____	_____	_____
Photography	<u>OK</u>	<u>OK</u>	<u>OK</u>	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

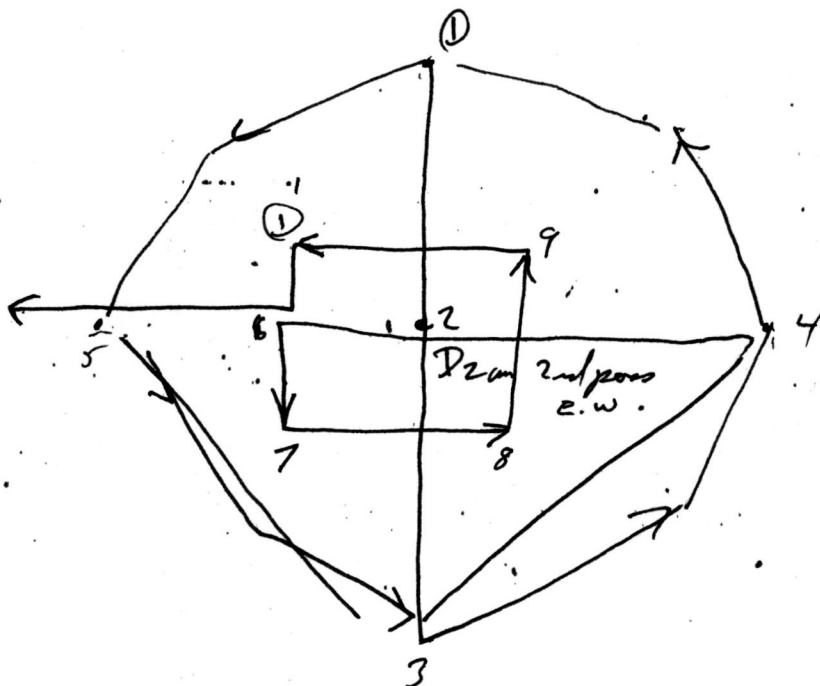
## REMARKS

\* Has false isoch on T screen.

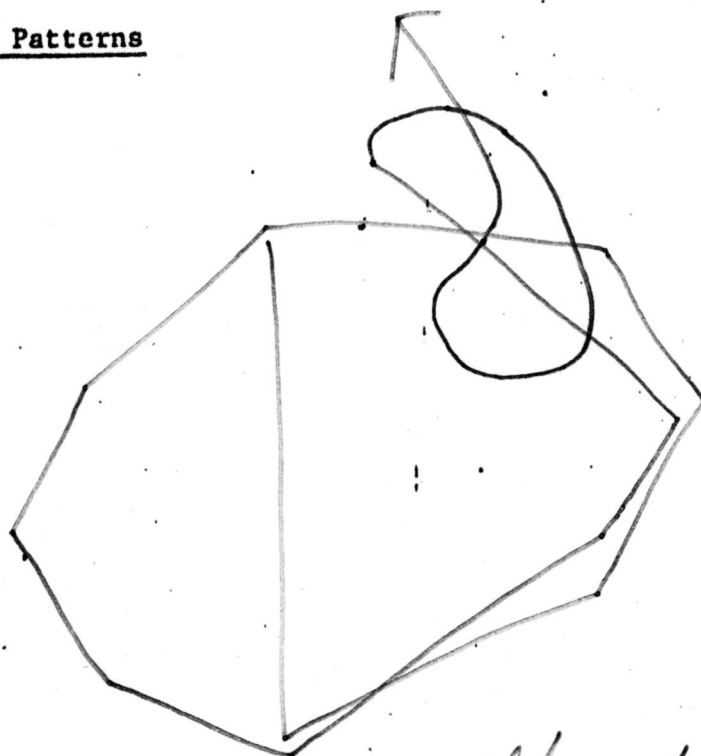
\*\* Some terminals drop out of power just before land. Reverted to aux turn. but couldn't get landed to work.

E. Proposed Flight Patterns

D<sub>1</sub>



F. Actual Flight Patterns



Pattern actually by Wilburt.

# ICANE RECCO PLOTTING CHART

True at 25° latitude, in degrees and tenths of  $\phi$  and  $\lambda$

FLIGHT 780811N1

LEVEL 35m

DAY 223 TROPICAL STORM CORA

- 1.6 = 6
- 2.2 = 12
- 3.3 = 18
- 4.4 = 24
- 5.5 = 30
- 6.6 = 36
- 7.7 = 42
- 8.8 = 48
- 9.9 = 54

LATITUDE ( $\phi$ )

15°

14°

13°

12°

11°

LONGITUDE ( $\lambda$ )

DATE Aug 8, 1978

OBSERVER B. Lewis

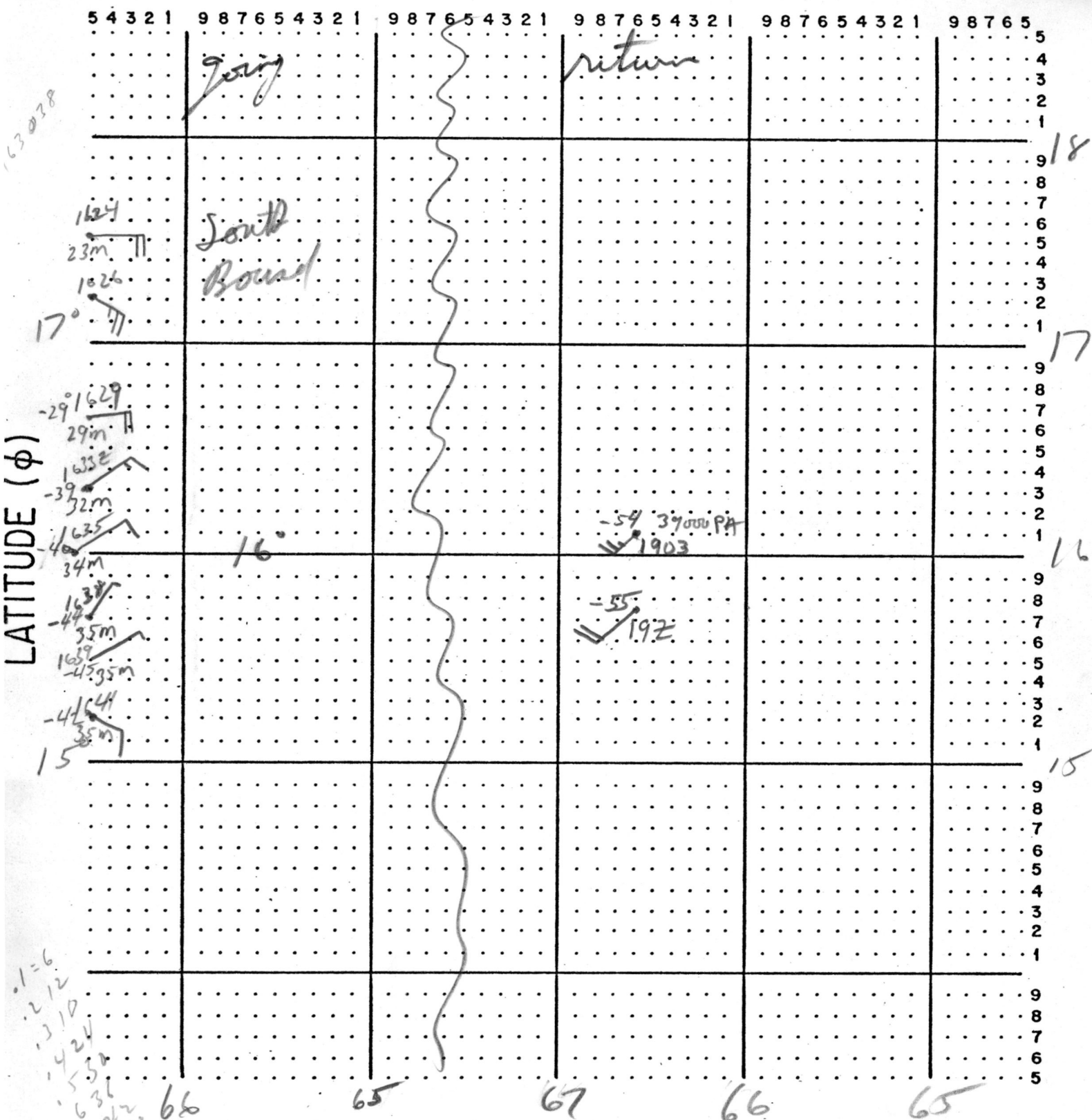
NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA.



# CANE RECCO PLOTTING CHART

True at 25° latitude, in degrees and tenths of  $\phi$  and  $\lambda$

FLIGHT 780811N1 LEVEL going & coming



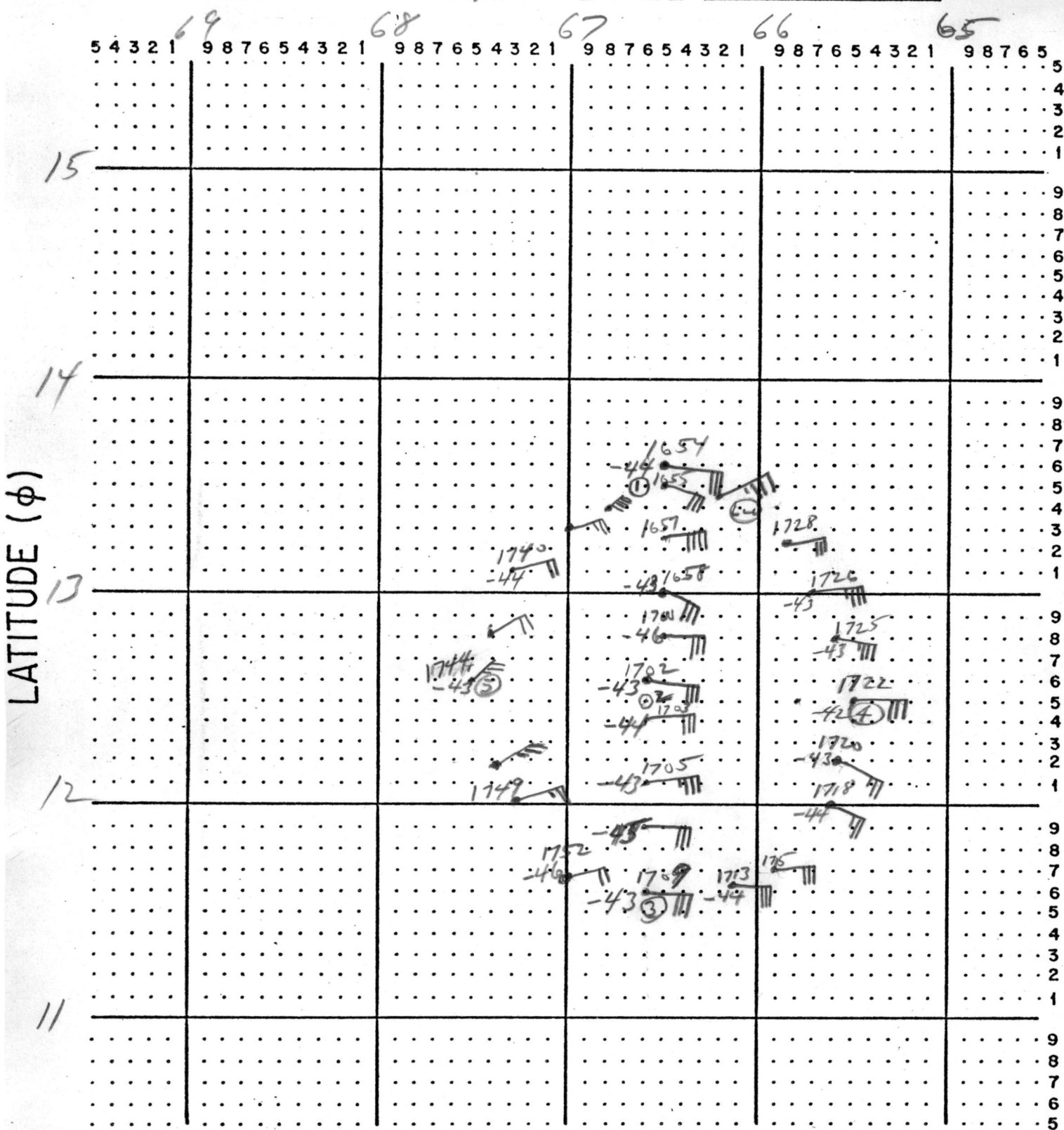
DATE 8/11/78

OBSERVER Plewin

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA.

ICANE RECCO PLOTTING CHART  
True at 25° latitude, in degrees and tenths of  $\phi$  and  $\lambda$

FLIGHT 780811N1 LEVEL 35MPA



DATE 8/11/78  
OBSERVER Lewis  
LONGITUDE ( $\lambda$ ) 1145.6 66 30W Chor air

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA.

# HURRICANE RECCO PLOTTING CHART

True at 25° latitude, in degrees and tenths of  $\phi$  and  $\lambda$

FLIGHT 780811N1

LEVEL 35 mPA

68

67

66

LATITUDE ( $\phi$ )

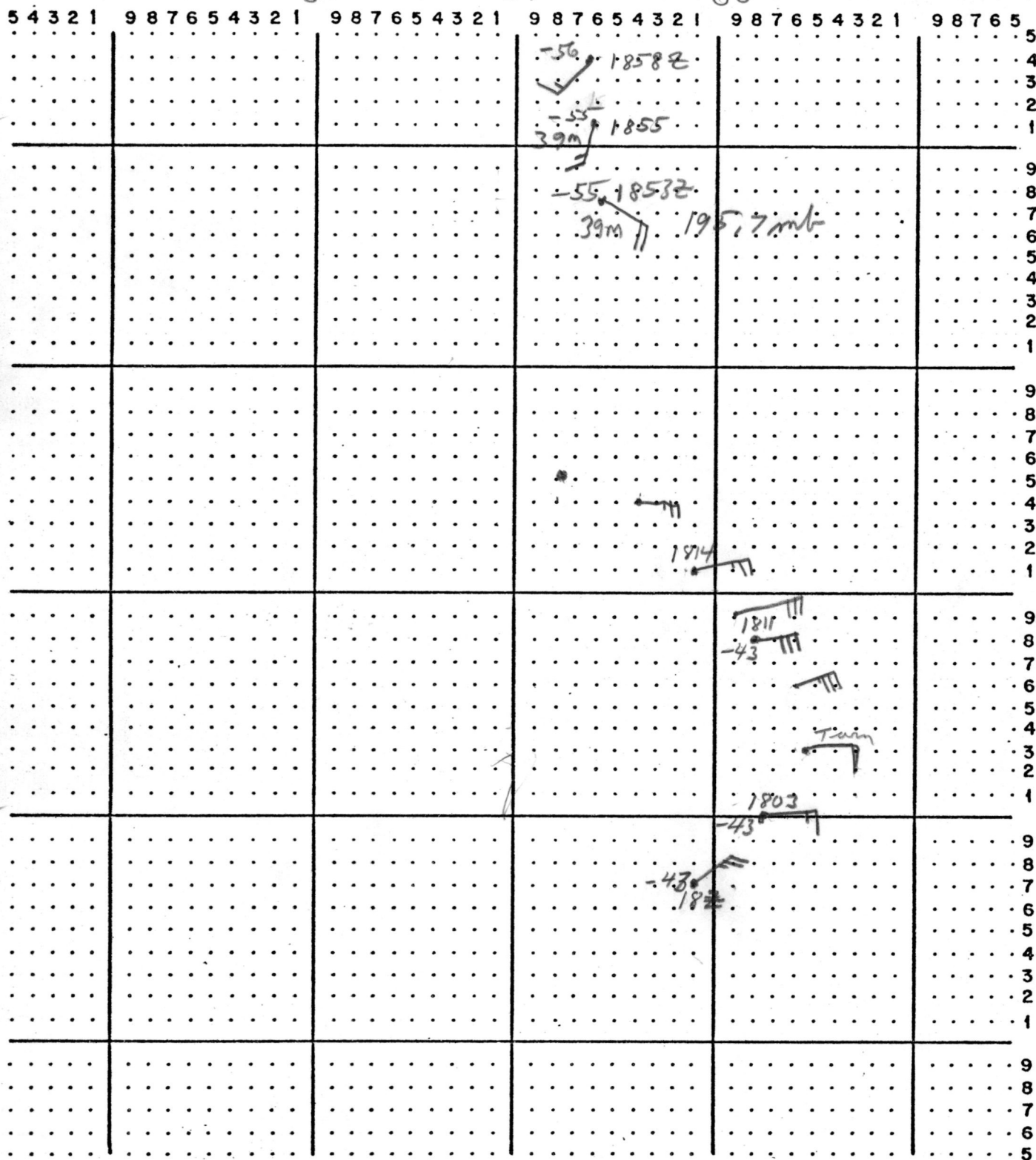
15

14

13

12

11



LONGITUDE ( $\lambda$ )

DATE 8/11/79

OBSERVER Lewis

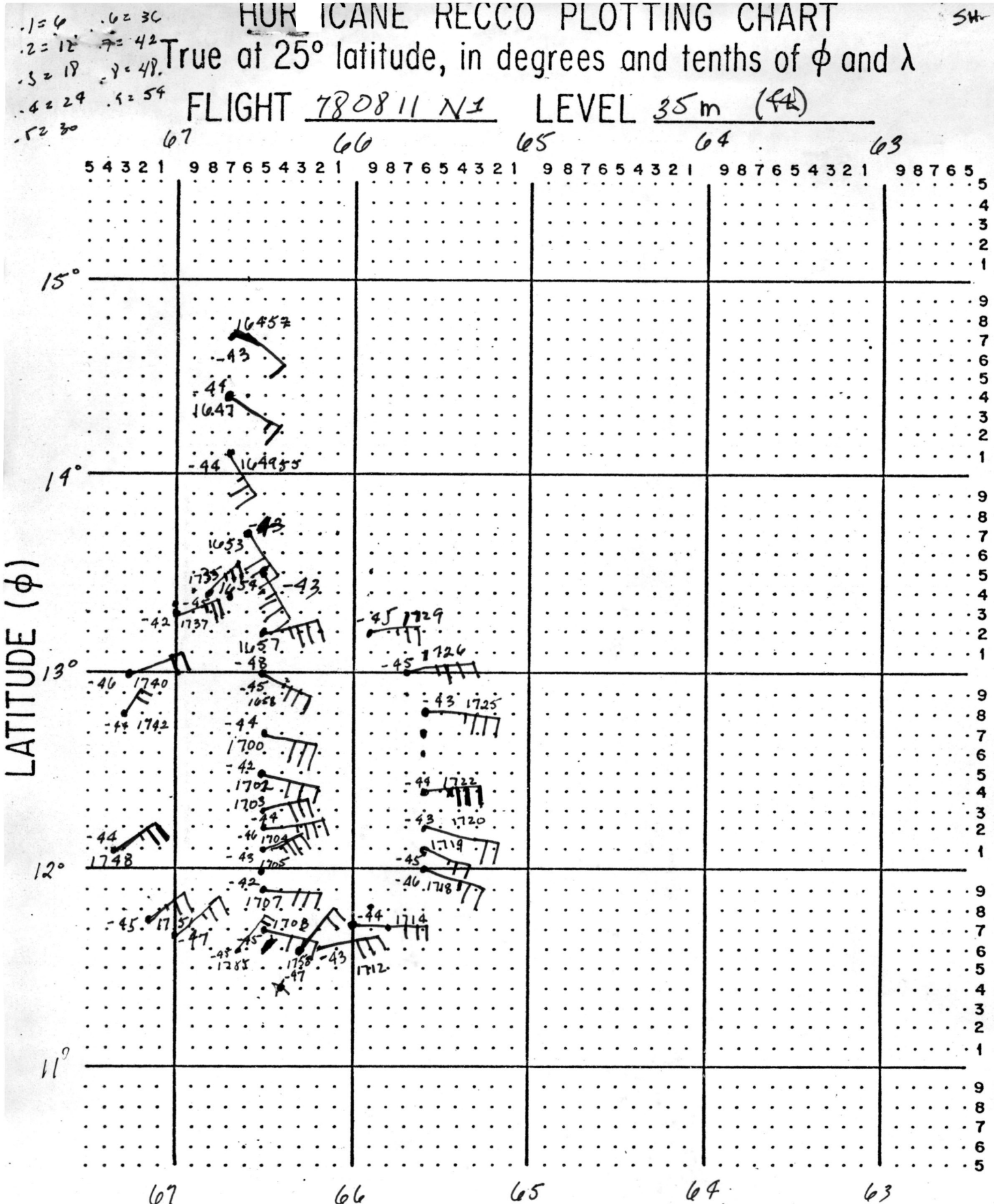
NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA.

# HURRICANE RECCO PLOTTING CHART

SW 1

True at 25° latitude, in degrees and tenths of  $\phi$  and  $\lambda$

FLIGHT 780811 N1 LEVEL 35m (42)



DATE Aug. 11, 1978

OBSERVER TOUY UJARES

LONGITUDE ( $\lambda$ )

270  $\frac{0}{90}$   
180

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA.

1708 first sound



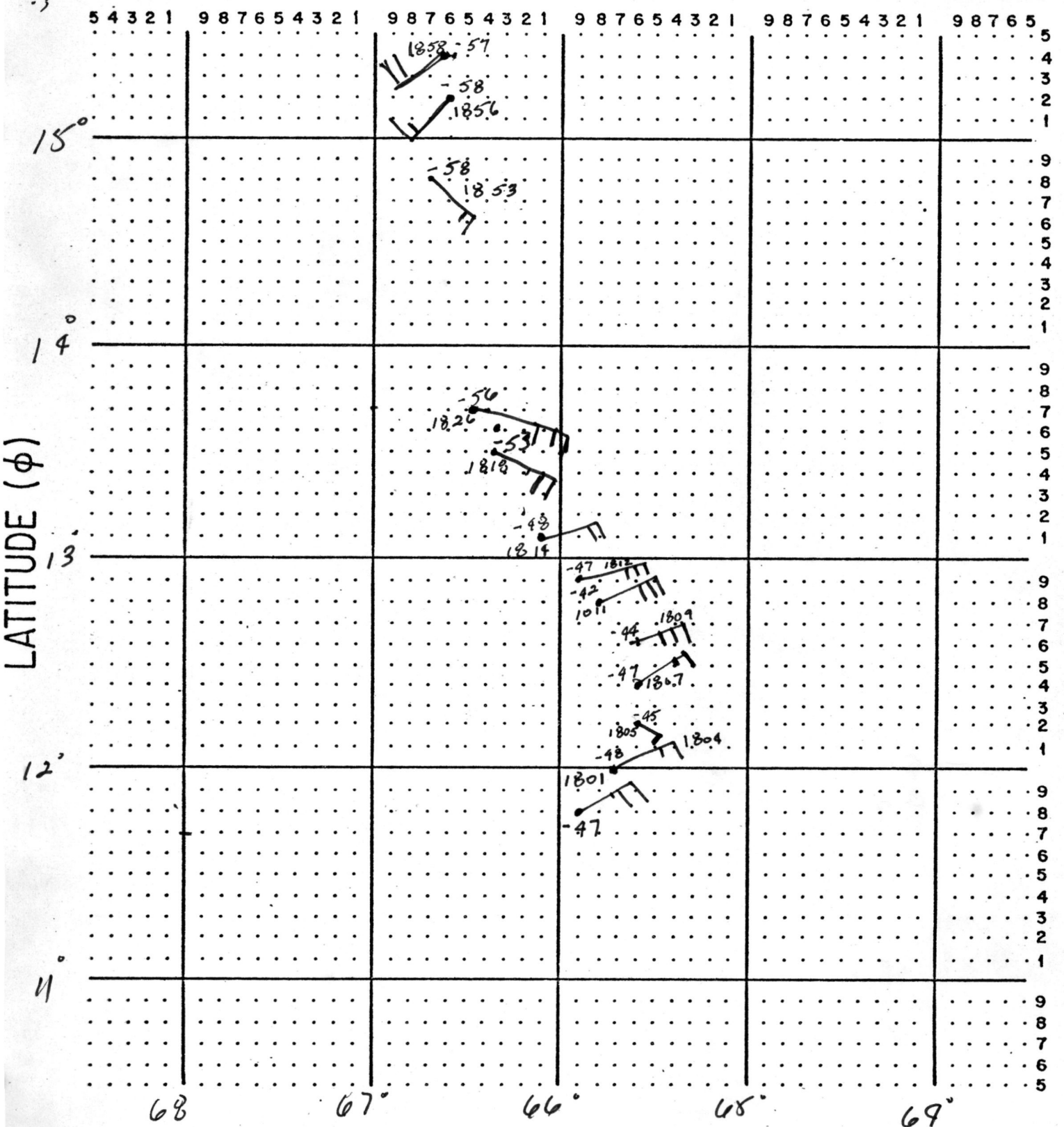
# HURRICANE RECCO PLOTTING CHART

54-2

True at 25° latitude, in degrees and tenths of  $\phi$  and  $\lambda$

FLIGHT 780811 N1 LEVEL 35m (42)

124  
2212  
3218  
4224  
5230  
10234  
7242  
8248  
9254



DATE Aug. 11, 1977

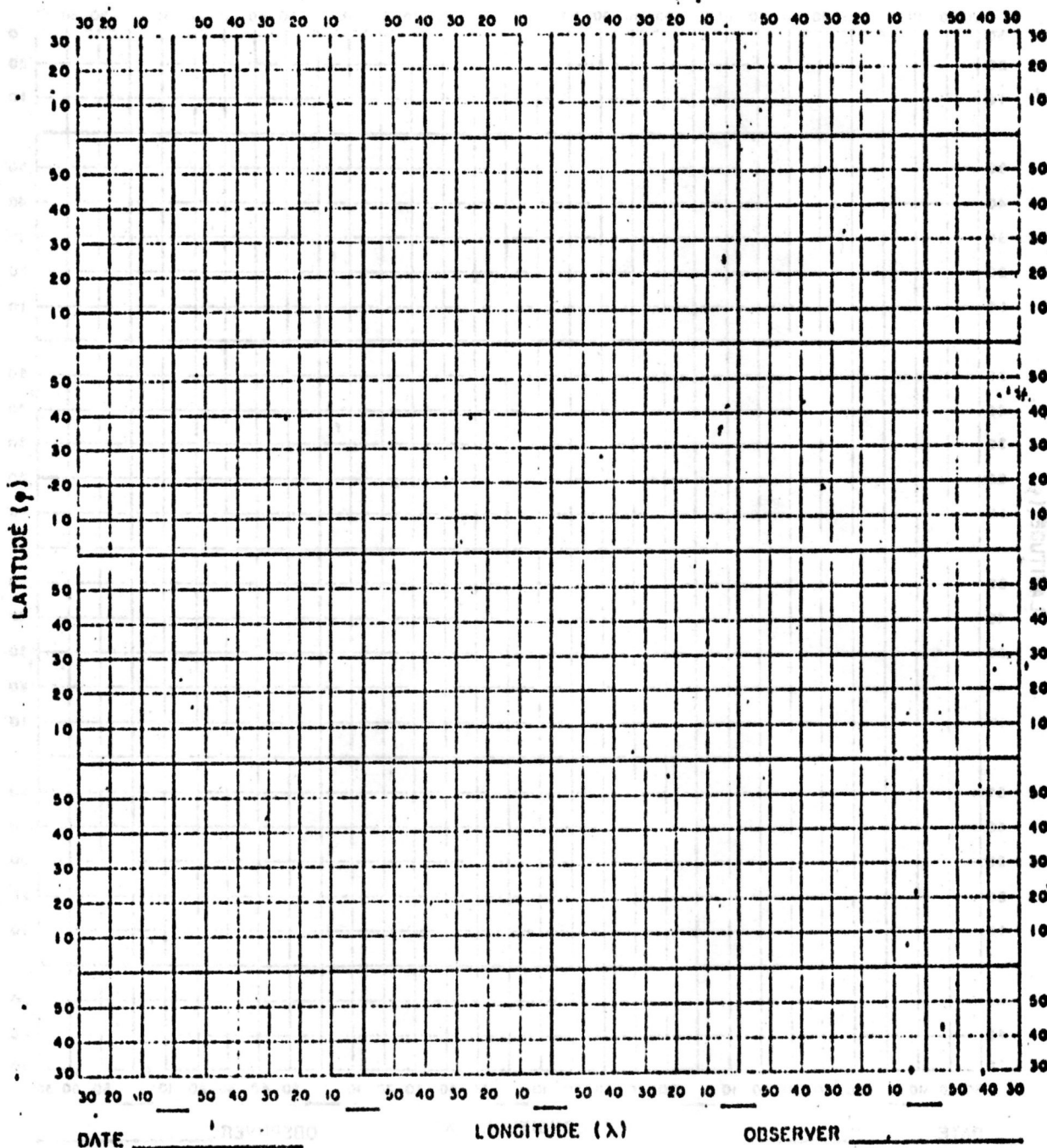
OBSERVER JOHN

LONGITUDE ( $\lambda$ )

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA.

# HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF  $\phi$  AND  $\lambda$



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

# HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF  $\phi$  AND  $\lambda$

LATITUDE ( $\phi$ )

DATE \_\_\_\_\_ LONGITUDE ( $\lambda$ ) \_\_\_\_\_ OBSERVER \_\_\_\_\_

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA



