

1790830I

Operational Checklists

19790830I - LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8/30/79AIRCRAFT 43RFFLT HURRICANE DAVID

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>SHEETS</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>R. MARTIN</u>	Omega Sonde	<u>N/A</u>
AXBT	<u>HAWKINS</u>	Sys Eng	<u>GOLDSTEIN</u>
Hot Film	<u>N/A</u>	Data Tech	<u>DARBY</u>
Radar	<u>WIRFEL</u>	El Tech	<u>McROCK</u>
Flt DIR/MET	<u>ROSSBY</u>	Other	

Time Off 30/07Location SJU

Time On

Location

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
8/30	01Z	16.0	63.1	8/30	0620Z	16.01	64.10	928.5 135KTS
8/30	06Z	16.3	64.3	8/30	0740Z	16.05	64.20	
				8/30	110Z	16.09	64.32	924 158KTS
				8/30	1203Z	16.15	65.03	929 MB

C. Mission Briefing

FLIGHT PATTERN I : STORM DIRECTION OF
MOVEMENT 290°

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D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft				
Radar	SEE NOTE			
Cloud Physics	OK			
Data Sys	OK			
Omega Sondes	N/A			
AXBT	OK			
Gust Probe	N/A			
Hot Film	N/A			
Photography	?			

REMARKS

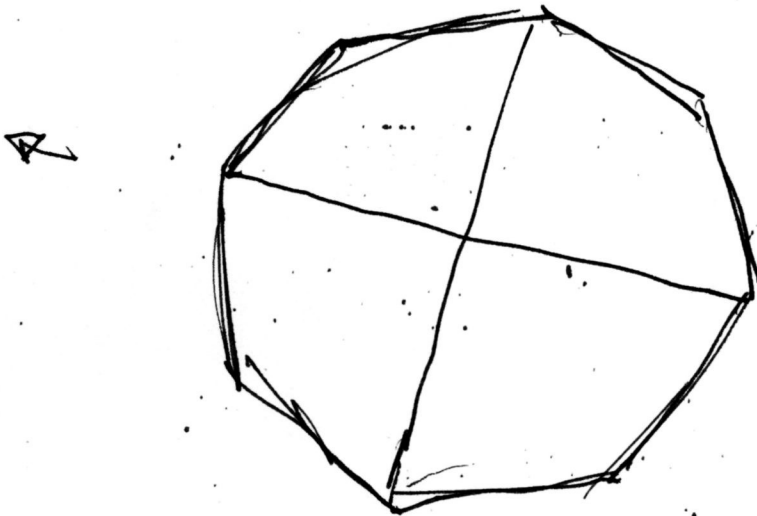
RADAR: ONLY ON SCAN CONVERTER WORKING. - Will be on lower fuselage.
 Some problems with nose radar. Pilot taking control of lower fuselage occasionally.

Temperature problems. 0730Z
 Radar altitude. out on digital - analog OK - 0730Z
 System program reloaded. ~0750Z
 RA's & Temps OK
 High data rate for storm pattern.

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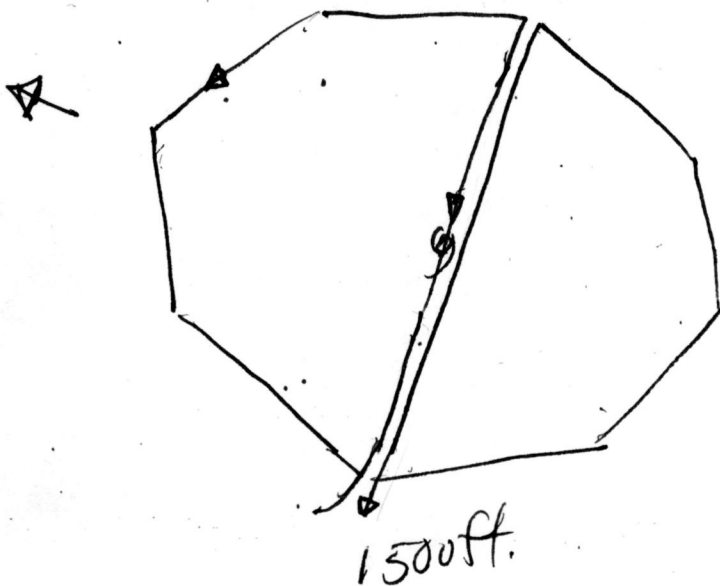
E. Proposed Flight Patterns

Pattern I



F. Actual Flight Patterns

Did not have time to complete rear to front legs. Completed 5,000 ft leg for comparison with 1500 ft legs

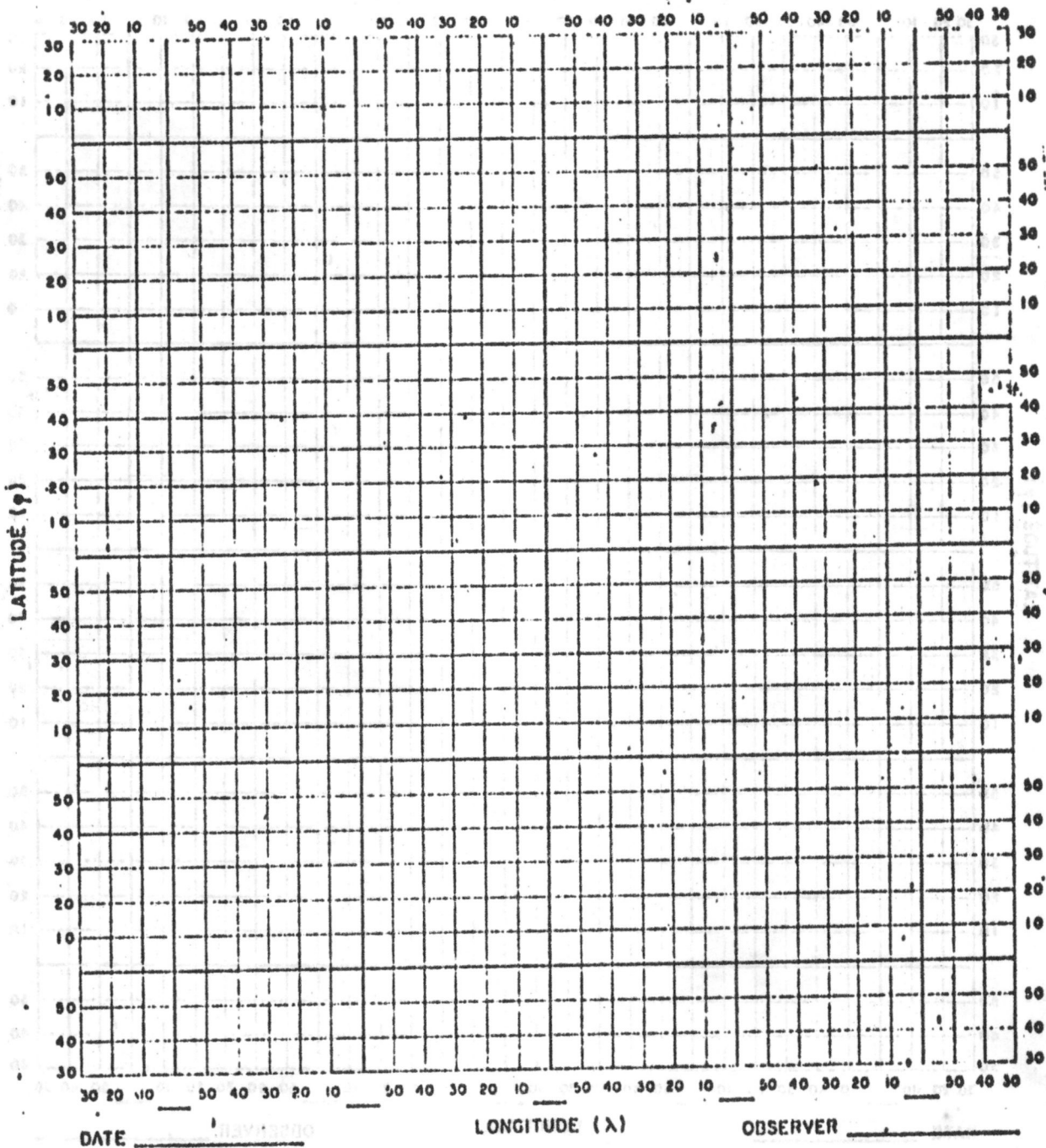


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HURRICANE RECCO PLOTTING CHART

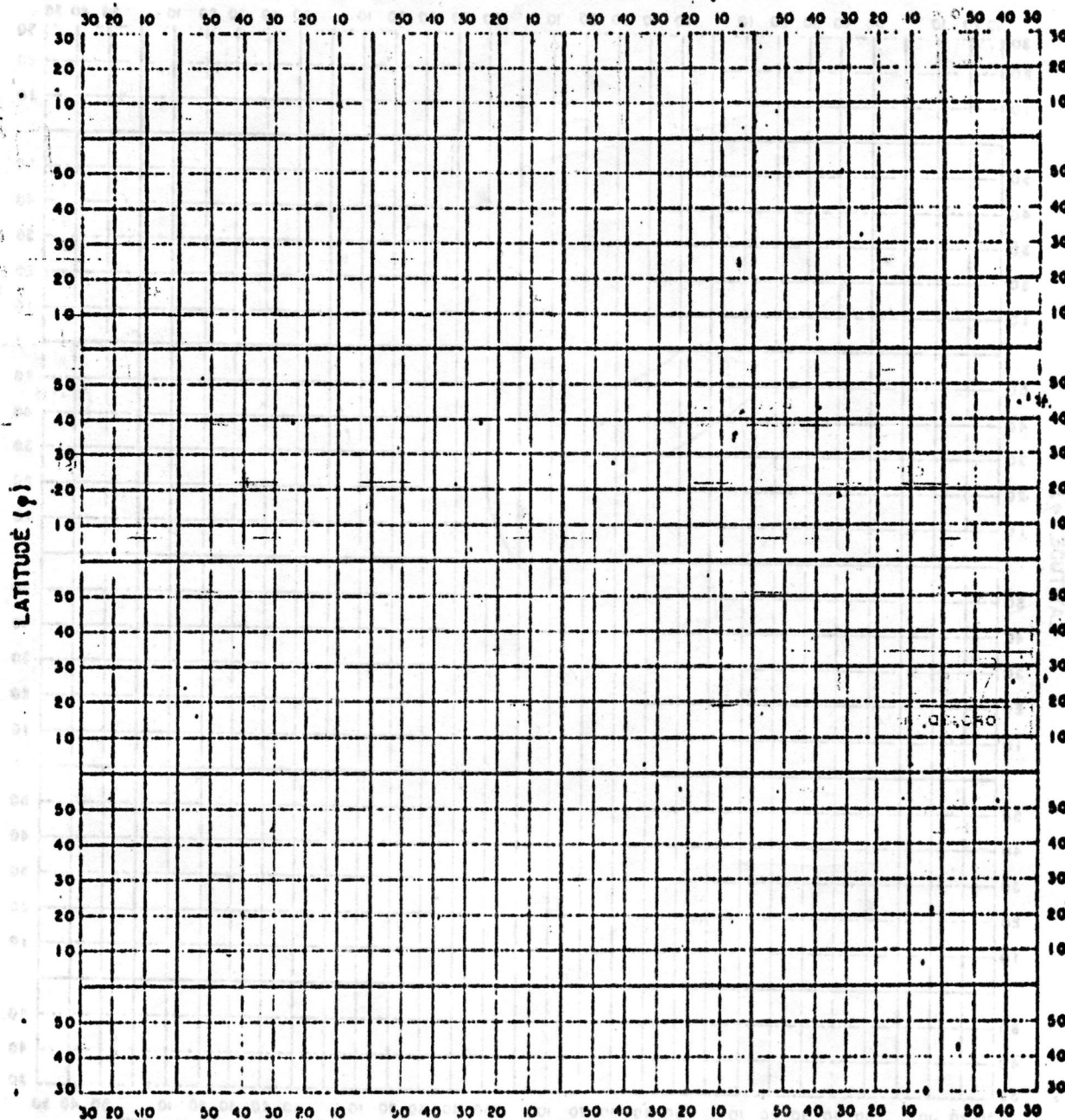
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



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



DATE 12 SEP 1960

LONGITUDE (λ)

OBSERVER

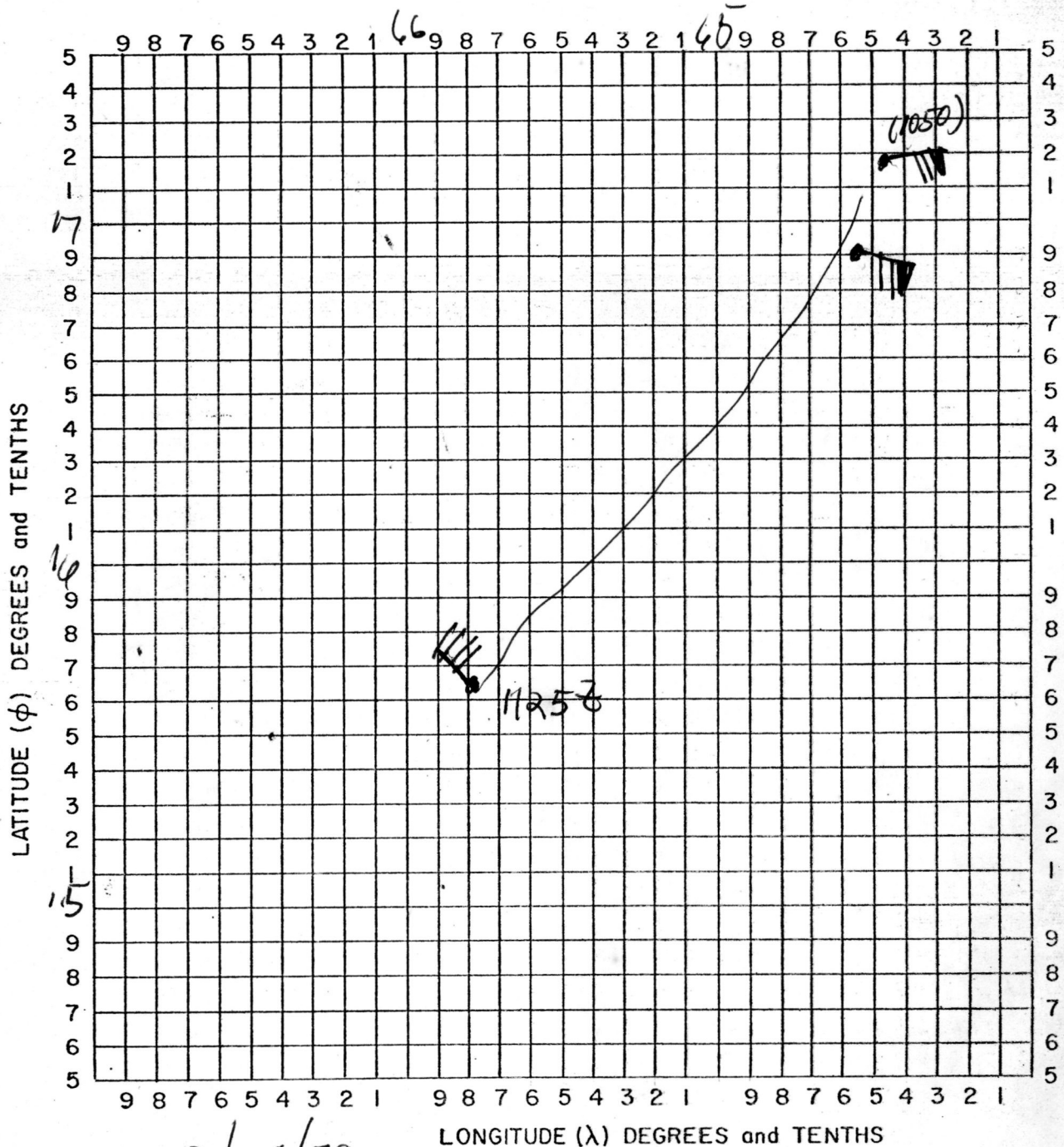
NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

DAVID 1500 FT

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Too rough
to write

HURRICANE RECCO PLOTTING CHART



DATE 8/30/79
OBSERVER RCS

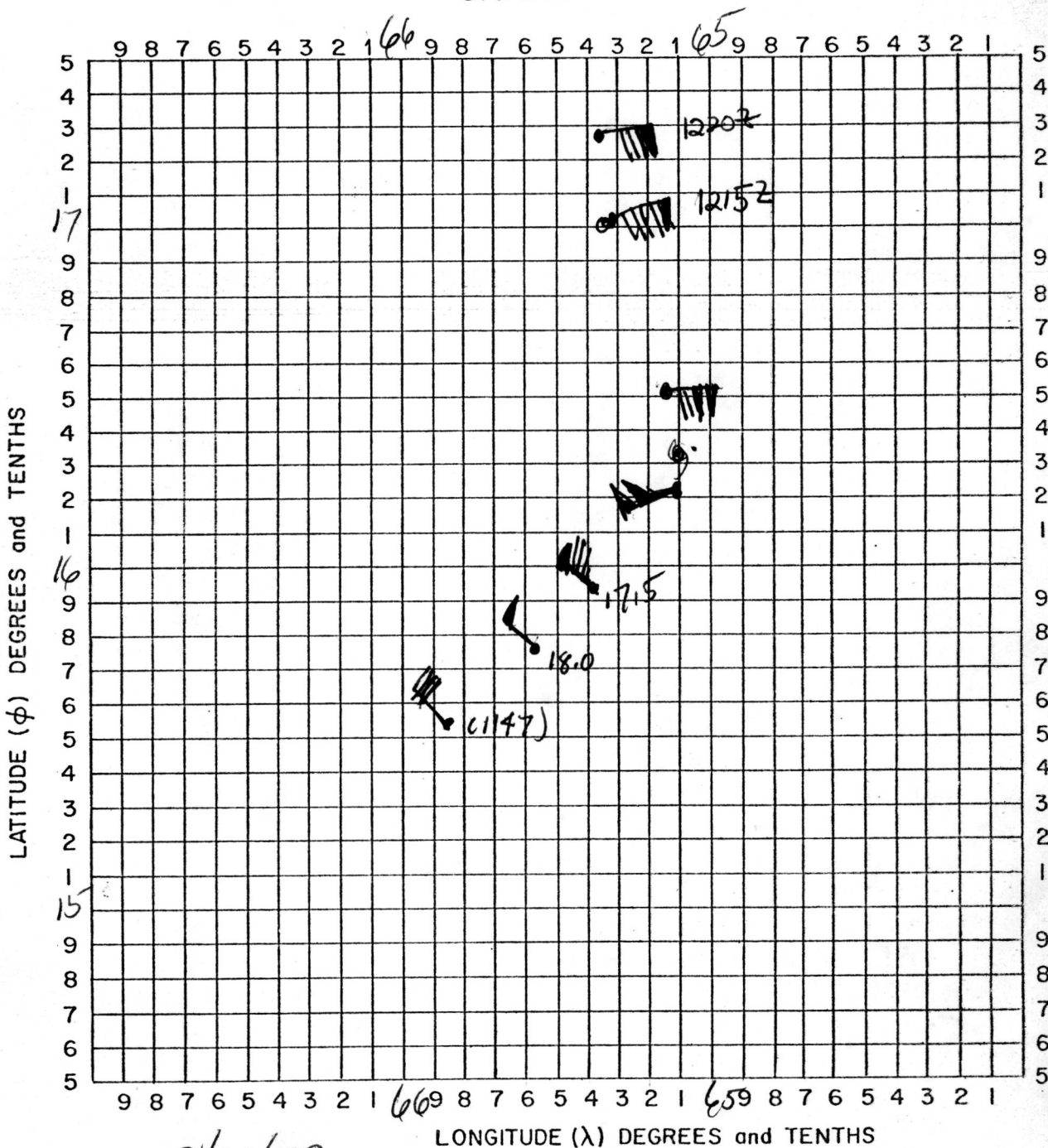
NOTE: Label full degrees according to location of flight area

DAVID

5000 FT

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HURRICANE RECCO PLOTTING CHART



DATE 8/30/79
OBSERVER RCS

NOTE: Label full degrees according to location of flight area

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A hand-drawn map on a grid showing the distribution of a species across a region. The grid has latitude (ϕ) in degrees and tenths on the vertical axis (5 to 17) and longitude on the horizontal axis (98 to 96). Handwritten labels include (10926), (10938), (10952), (10818), (10800), (10371), and (10302). Symbols include solid dots, vertical lines, and small clusters of lines.

NOTE: Label full degrees according to location of flight area