

19770831F1-LPS

-101-

APPENDIX I.

OPERATIONAL CHECKLISTS

FORM I-1

Onboard Lead Project Scientist CHECKLIST

DATE 31 AUG 1977AIRCRAFT 41CFLT HURRICANE ANITA

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>BURPEE</u>	Gust Probe	
Cloud Physics	<u>WILLIS CUNNING</u>	Omega Sonde	
AXBT	<u>BLACK</u>	Sys Eng	<u>SCHRICKER</u>
Hot Film		Data Tech	<u>DARBY</u>
Radar	<u>LOUDIN</u>	El Tech	<u>CALVERT</u>
Flt DIR/MET	<u>MICHIE</u>	Other	

Time Off 1600 ZLocation NAVAL AIR STATION
NEW ORLEANSTime On 2335Location MIAMI

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	MSLP
<u>31 AUG</u>	<u>1205</u>	<u>26°17'N</u>	<u>91°50'W</u>	
<u>31 AUG</u>	<u>1440</u>	<u>26°07'N</u>	<u>92°08'W</u>	<u>988</u>
<u>31 AUG</u>	<u>1630</u>	<u>26°07'N</u>	<u>92°08'W</u>	

CENTER MOVING WEST 4 KNOTS

C. Mission Briefing

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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 ^{digital system} not onboard	✓	✓	✓	radar temporarily out after mission
Cloud Physics	✓	✓	✓	
Data Sys	✓	✓	✓	
Omega Sondes				
AXBT	✓	✓	✓	
Gust Probe				
Hot Film				
Photography ^{Not operating}				

REMARKS

Radar - fan installed in radar instrument package in order to keep it cooler

INS - near end of flight yesterday one INS off by 3 miles, the other by 8 miles (Grand Isle)

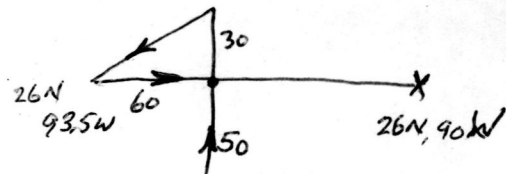
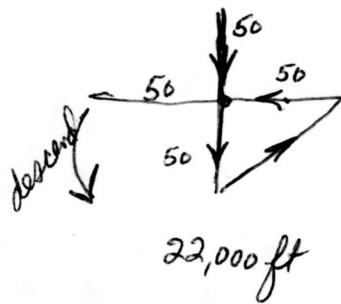
Radar operated without problems during mission

All systems operated otherwise - 3 AXBT's failed.

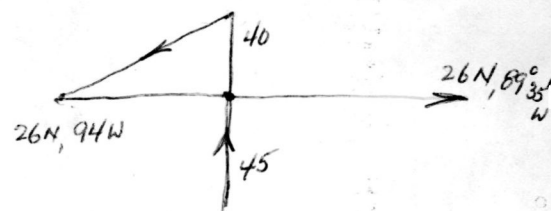
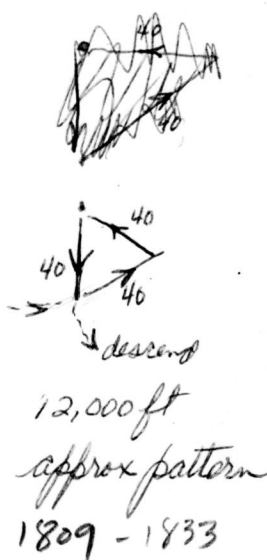
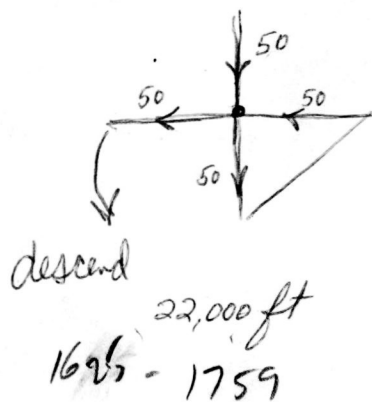
Radar overheated again near Miami - turned off for 10 minutes and it worked OK. Schricker and Loudin agree to repair tomorrow (will find way to cool it off).

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E. Proposed Flight Patterns



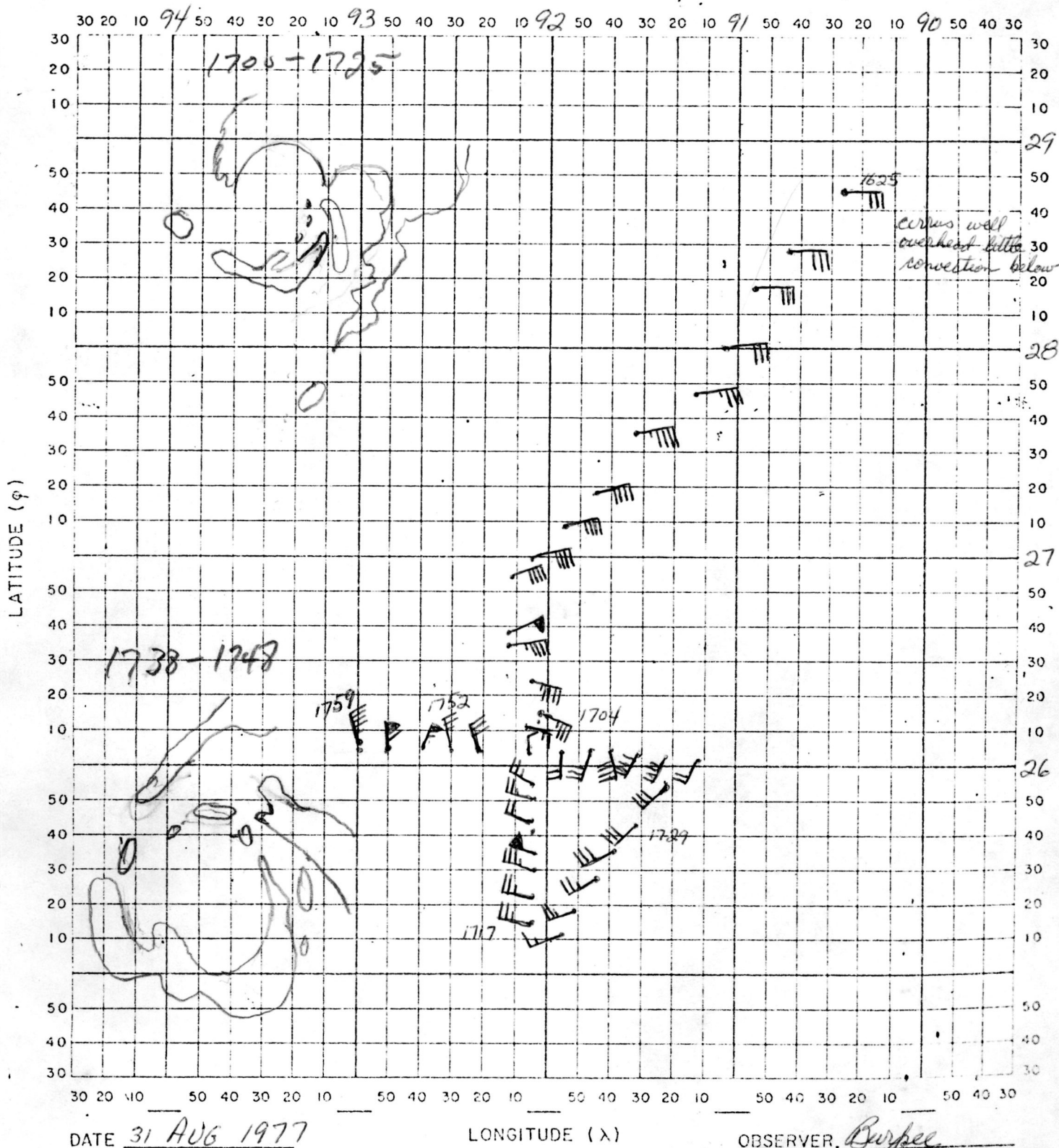
F. Actual Flight Patterns



1500 ft
observed buoy at 26N, 93.5W
passed near buoy at 26N, 90W
1904 - 2115

22,000 ft.

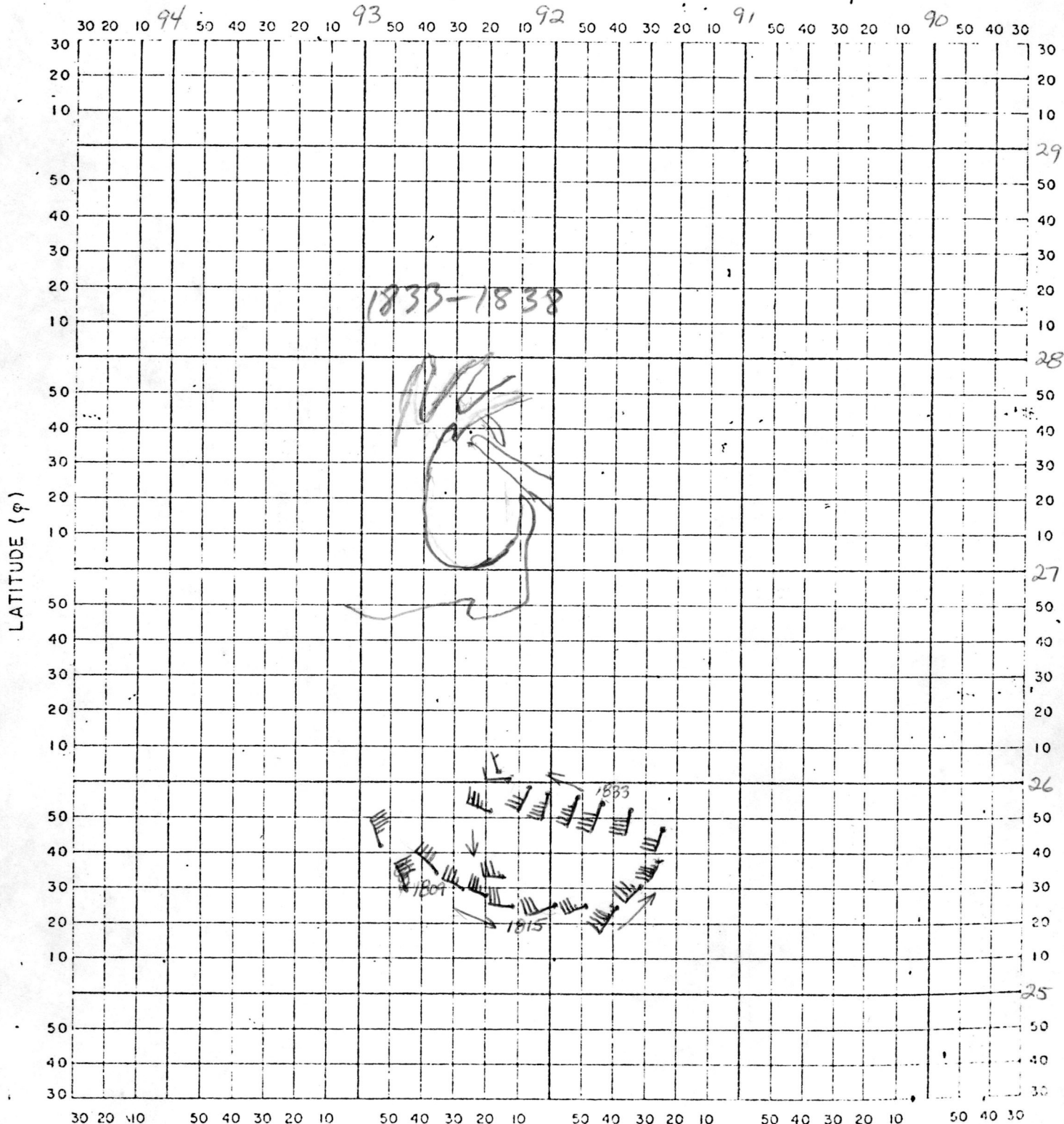
HURRICANE RECCO PLOTTING CHART

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

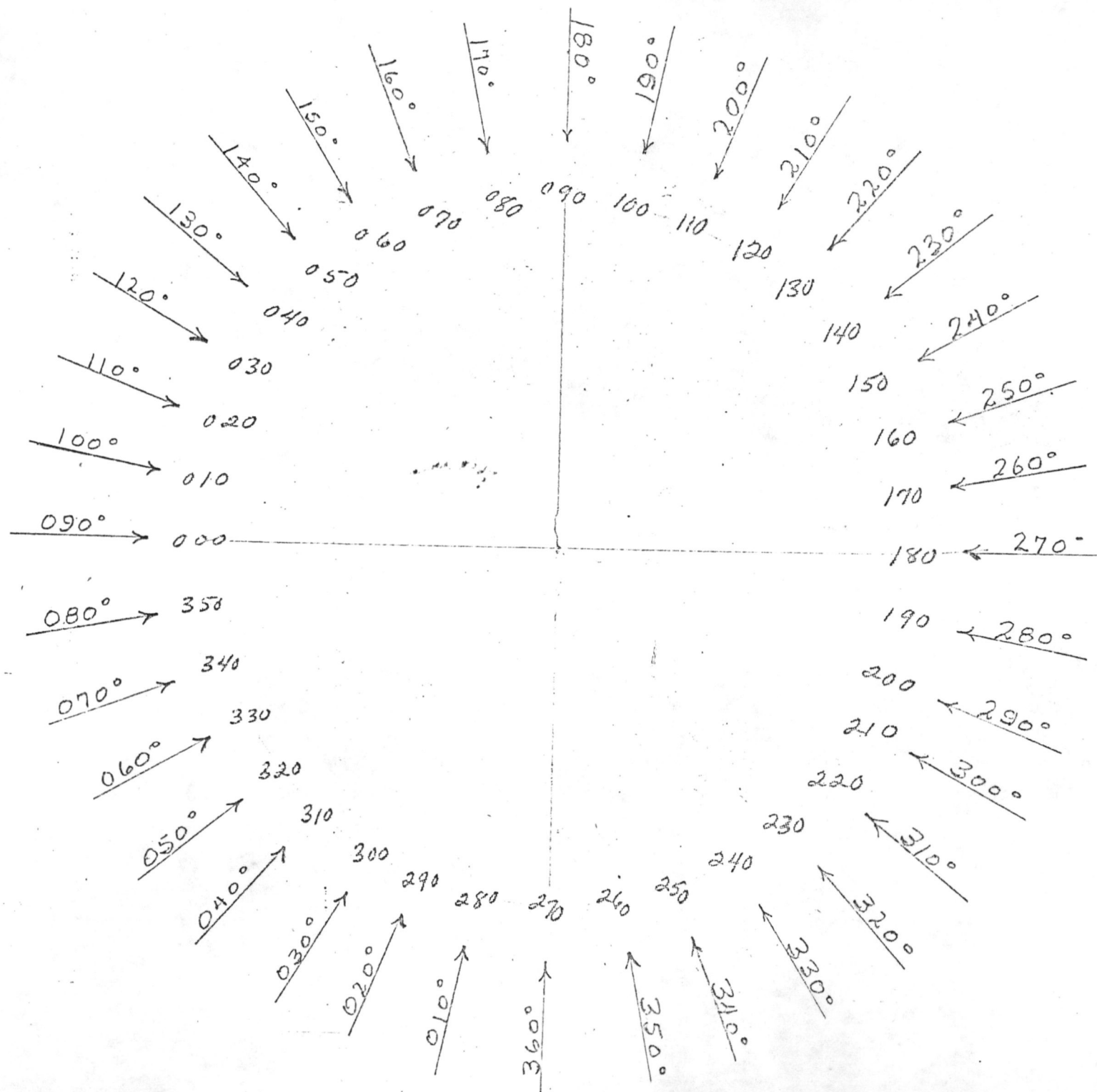
NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

12,000

HURRICANE RECCO PLOTTING CHART

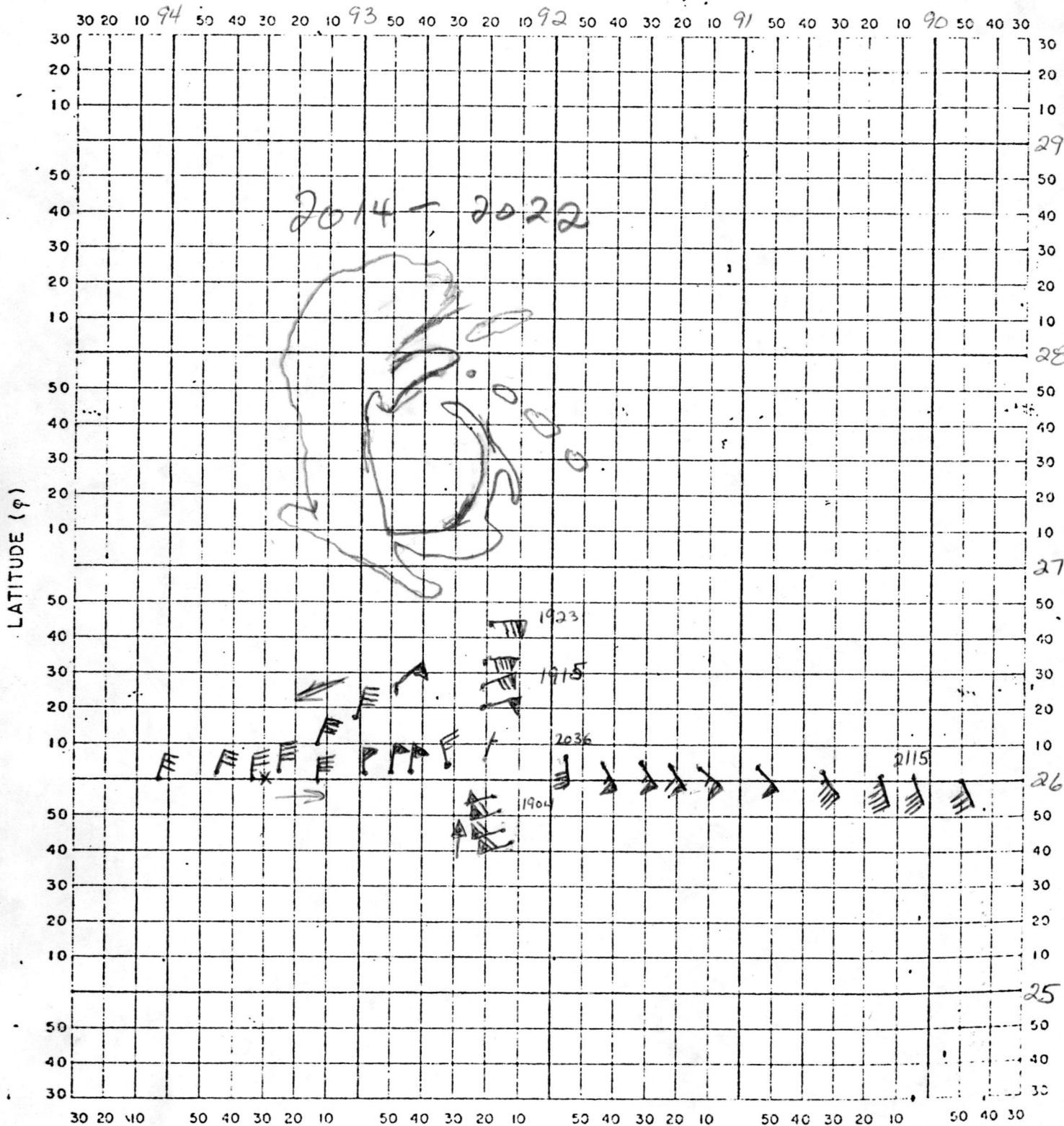
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ DATE 31 AUG 1977LONGITUDE (λ)OBSERVER. Burpee

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA



1500 ft

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ DATE 31 AUG 1977LONGITUDE (λ)OBSERVER Burpee

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA