

1977005H2-LPS

APPENDIX I.

OPERATIONAL CHECKLISTS

FORM I-1

Onboard Lead Project Scientist CHECKLIST

DATE 10/5/77AIRCRAFT 42 RFHEATHER
FLT 77005 H

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>SHEETS</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>SPAHN</u>	Omega Sonde	<u>THOMAS</u>
AXBT	<u>N/A</u>	Sys Eng	<u>DUGANBYT</u> <u>CONNER</u>
Hot Film	<u>N/A</u>	Data Tech	<u>BROWN</u> <u>BRUNSON</u>
Radar	<u>JORGENSEN</u> <u>STEWART</u>	El Tech	<u>FENWELL</u>
Flt DIR/MET	<u>DAVIS</u>	Other	<u>SR. JOSE ARROYO</u> <u>SR. CANDIDO ALVAREZ</u>

Time Off ~130ZLocation GUADALAJARA

Time On

Location

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

C. Mission Briefing

The hour crew day continued with delays in departing Miami
and with delays in refueling and immigration checks
in Guadalajara essentially ruined mission objectives.

Drop in Eye

Form I-1, Page 2

370

Center 20 57
114 48²

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	✓	✓	✓	
Radar	✓	✓	✓	
Cloud Physics	✓	✓	✓	
Data Sys	✓	✓	✓	
Omega Sondes	? ONE TEST PARTIAL SUCCESS	Some Drops made - ? data	? DATA	
AXBT	N/A	—	—	
Gust Probe	N/A	—	—	
Hot Film	N/A	—	—	
Photography	N/A	—	—	

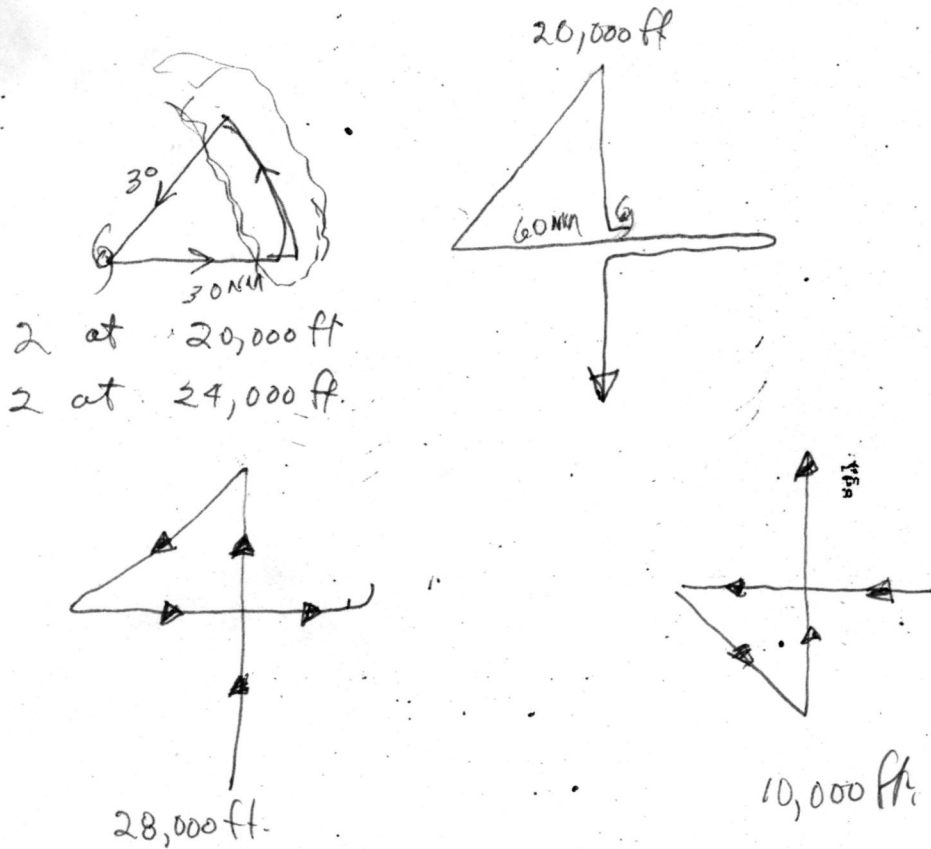
REMARKS

Two drops enroute to center from 20,000 ft.
37000 ft. 20° 57' N 114° 48' W 220² Z

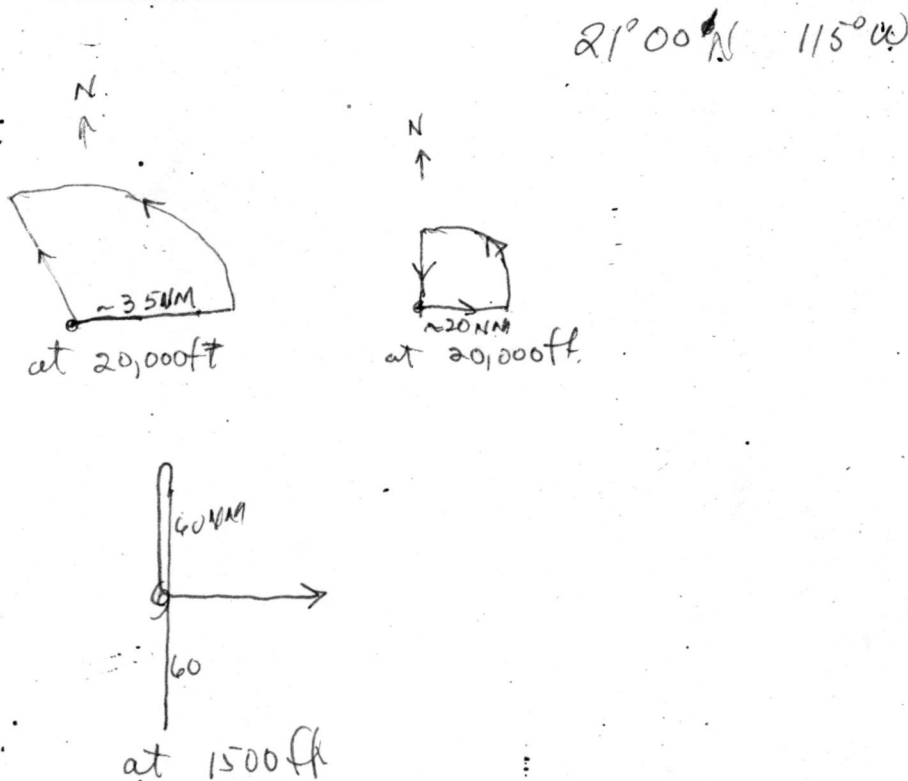
Some question on pressure accuracies.

LAUNCH MECHANISM NEEDS WORK ON Ω SONDES.
SIGNAL LEVEL LOW. APPARENT SOFTWARE PROBLEMS.

E. Proposed Flight Patterns



F. Actual Flight Patterns



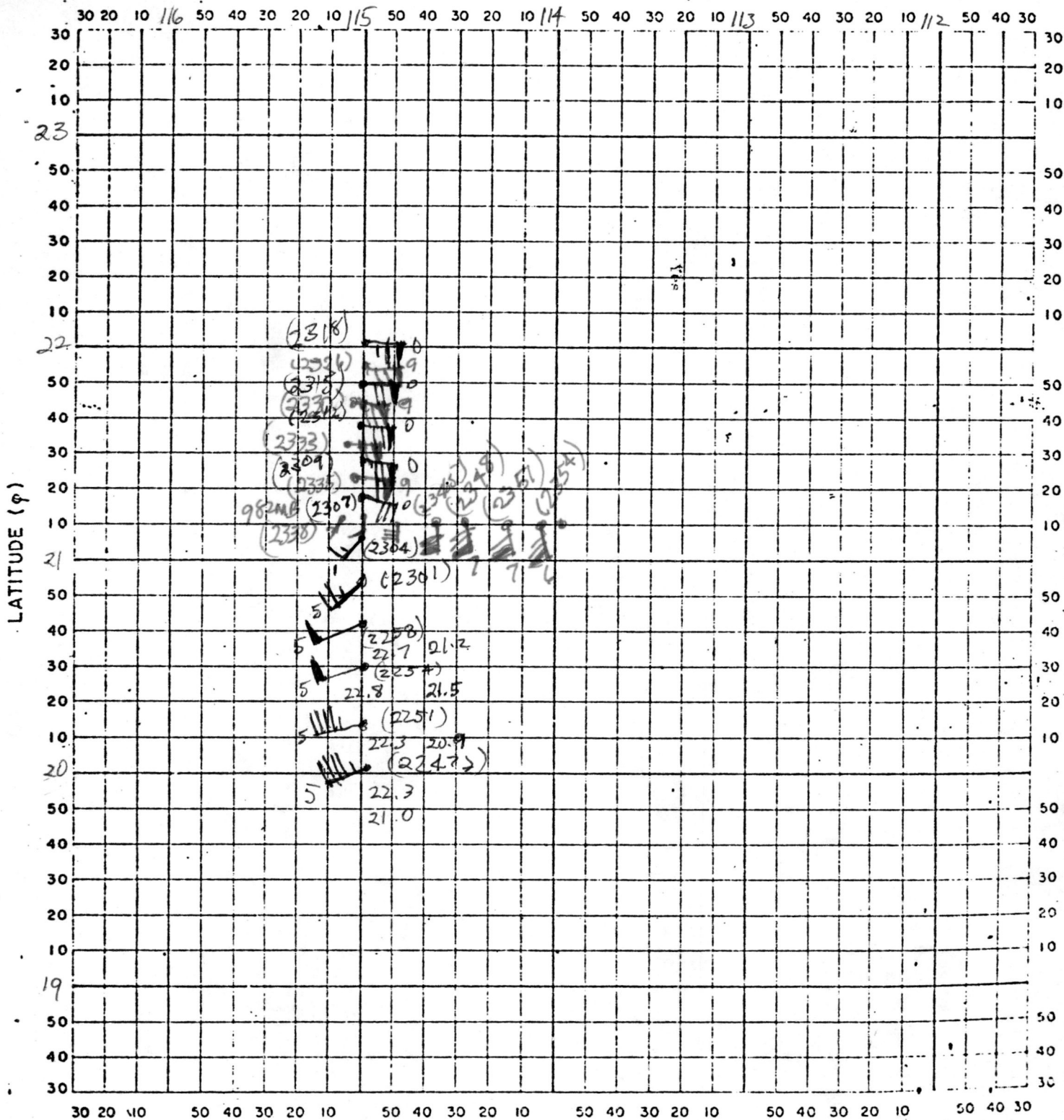
771005H

HEATHER

1500.8

HURRICANE RECCO PLOTTING CHART

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



DATE 10/5/77

LONGITUDE (λ)

OBSERVER SHEETS

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

771005H

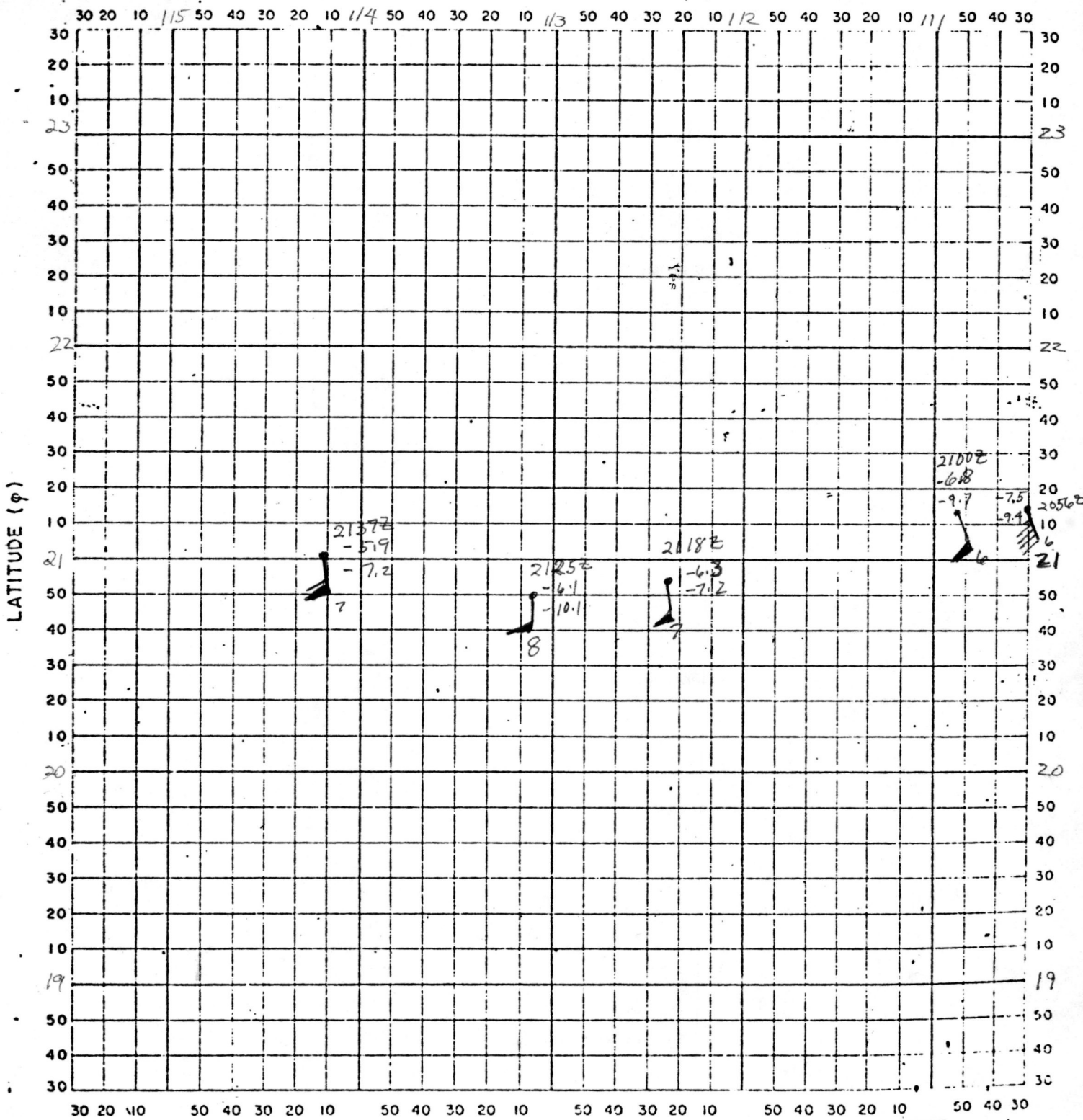
Rodan Carter

114° 40' W

21 40 21° 05' N

HURRICANE RECCO PLOTTING CHART

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



DATE 10/5/77

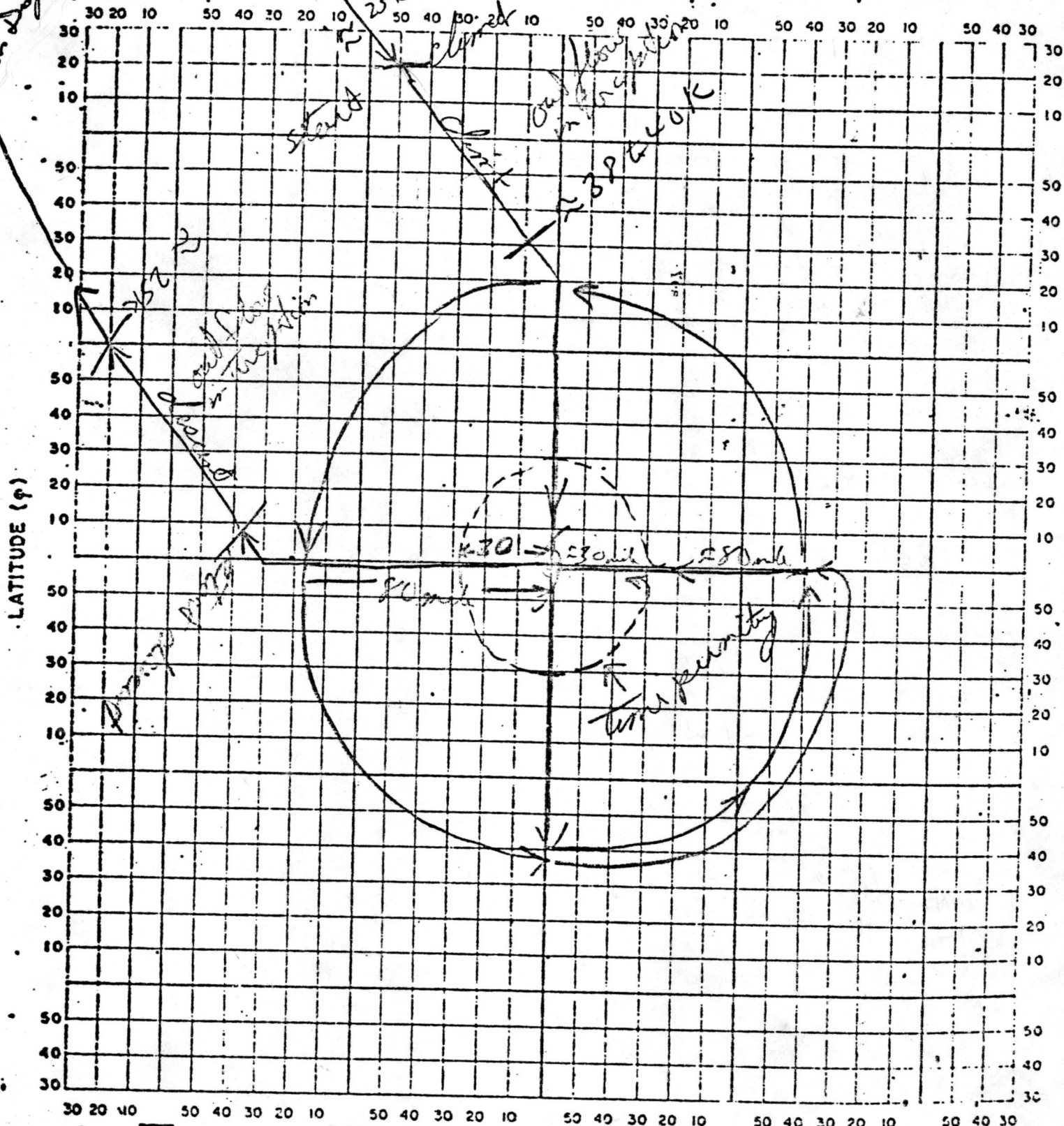
LONGITUDE (λ)

OBSERVER SHEETS

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 _____

LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

Pic 1+2 TEMP 771005 START 224545 Z

Pic 3+4 ~~RADAR PPI HDG W,~~
TEMP + DEWPOINT

11

Pic 5+6 N-S

Pic 7+8 Wind 2245 Tr

Pic 9+10 Wind hoo

Radar HDG WEST 273
RHI 1520Z

1215Z

770830 H

Pic 13-14 Wind speed (HEATHER)

Pic 15-16 Wind speed - pressure

Radar Pic Low 1755Z HDG N

~~RDR HDG S~~

~~RDR~~

Pic 34-35 Anita 770830 H

RDR 770831 H

Pic 34-35 ?

Roll 2

RHI Anita 770831 H HDG N

WIND - PRESS ANITA 770830 H

RHI HEATHER 771005 H

EAST SIDE

TEMP - DEW POINT 770830 H

RHI 771005 H ~ 2140Z