

19770830H1-LPS

-101-

12, 15, 18Z Fixes

APPENDIX I.

OPERATIONAL CHECKLISTS

FORM I-1

Onboard Lead Project Scientist CHECKLIST

DATE 8/30/77AIRCRAFT 42 RFFLT 770830H

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>SHEETS</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>John Spahn</u>	Omega Sonde	<u>N/A</u>
AXBT	<u>N/A (ONBOARD)</u>	Sys Eng	<u>CONNER</u>
Hot Film	<u>N/A (FOR C-130)</u>	Data Tech	<u>BROWN - BRANCH</u>
Radar	<u>JORGENSEN - ELDER</u>	El Tech	<u>FENNEL</u>
Flt DIR/MET	<u>DAVIS</u>	Other	<u>BILL FRANK (CSU)</u> <u>JOHN McBRIDE (CSU)</u>

Time Off 0950ZLocation MIATime On 1928 Location NEW ORLEANS

B. Past and Forecast Storm Position -- Observed Positions

Date	Time	Lat	Lon (24hr)	Date	Time	Lat	Lon	MSLP
29	1640	27.1	88.7	8/30	08Z	26°53'N	89°52'W	1005mb
29	1750	27.1	88.8	8/30	12Z	26°35'N	90°20'	1004mb
30	0206	26.9	89.7	8/30	1430Z	26°35'N	90°20'	1004
30	0334	26.8	89.6	8/30	1600Z	26°34'	90°30'	1002
30	0525	26.7	89.8	8/30	1719Z	26°35'	90°32'	1000

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	RCS	OK	OK	
Radar	UP-BAREY	OK occasional off line	OK	
Cloud Physics	OK 2-20 K JW FSP-FOIL IPC-MICRO RAD.			
Data Sys	UP-BROWN	OK	OK	
Omega Sondes	N/A			
AXBT	A ONBOARD FOR SPECIAL DROP - RCV ON 41C		Dropped one Read C-130	
Gust Probe	N/A			
Hot Film	N/A			
Photography	NONE (NO DOWNWARD LOOKING)			
Polaroid - Radar				

REMARKS

Temporary Outage Knollmberg 2 D - Corrected in about 10 minutes.

Foil Impactor light indicated inoperative.

Operated manually.

Radar

Total Outages 5 times ~ had to be reloaded (or 5 minutes each time)

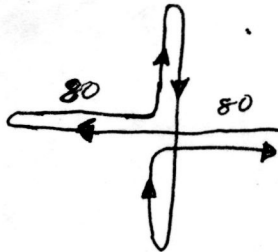
VTR appeared to work - no outages.

Nose down 1431-1454 Z.

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E. Proposed Flight Patterns

1.5K FT

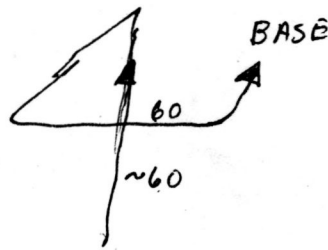


REPEAT

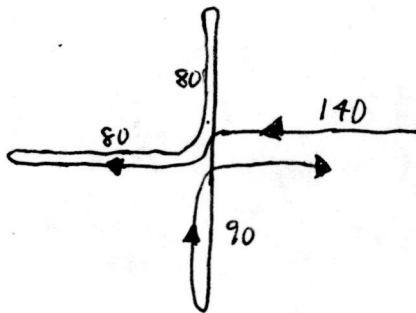
~1130Z TO 1745Z

ENTRY POINT
27°N 88°W
LET DOWN

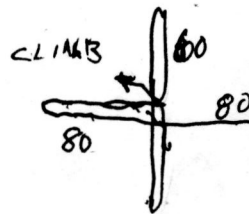
18 K



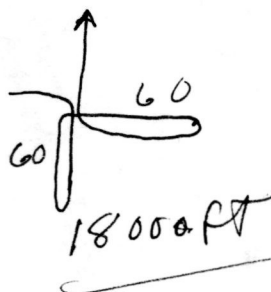
F. Actual Flight Patterns



1500 ft



1500 ft.



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



18000 ft. Pattern 3

[illegible]

SEEDING

[illegible]

1=6 4=24
2=12 5=30
3=18 6=36
7=42
8=48
9=54

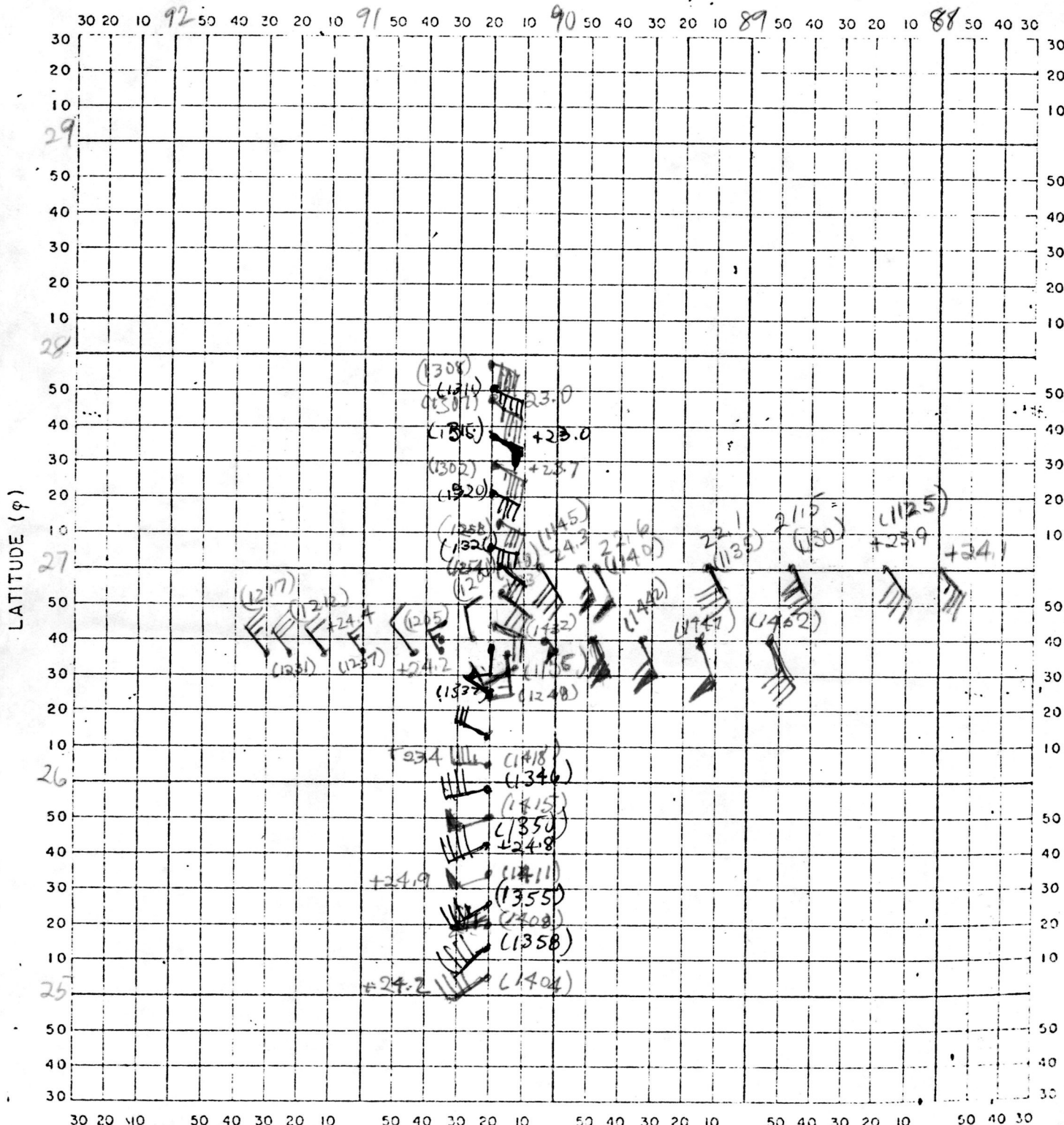
7708204

2635 12Z
90 20

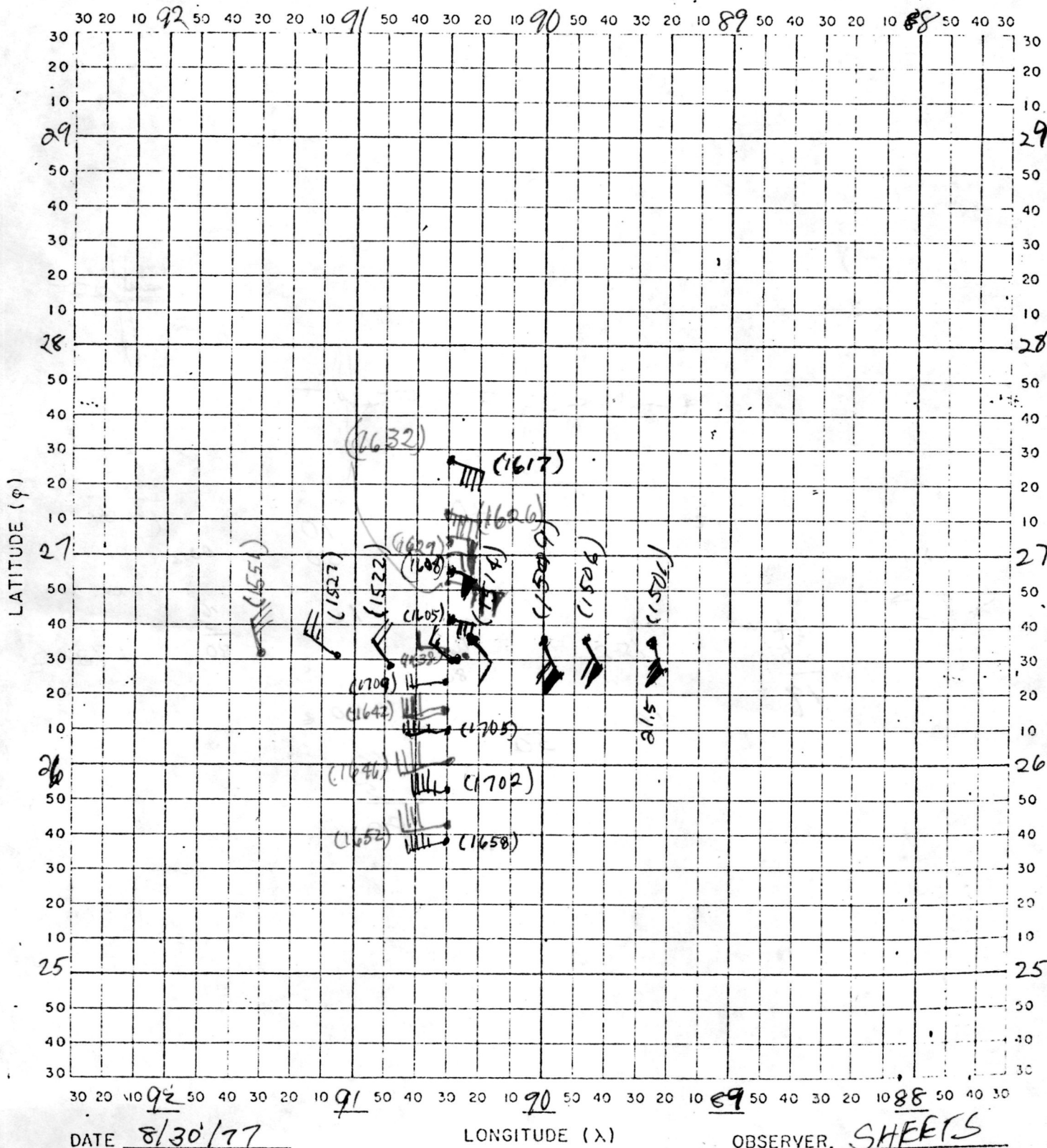
HURRICANE RECCO PLOTTING CHART

1500ft.
(450m)

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



HURRICANE RECCO PLOTTING CHART

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

TAS

11:10

$$8 \begin{matrix} 220 \\ 640 \end{matrix} \quad 660$$

1745
1130 T

$$\begin{array}{r} 1500 \\ 1130 \\ \hline 330 \end{array}$$

21

1738

20

10
50

002

215

80
5

1400

2 hrs

1730 z

$$\begin{array}{r} 14 \\ 5 \\ \hline 19 \end{array}$$

182

10

50

16
80

12

$$\begin{array}{r} 16 \\ 5 \\ \hline 80 \end{array}$$

002

$$\begin{array}{r} 16 \\ 5 \\ \hline 80 \end{array}$$