

Appendix J

Operational Checklists

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8/5/80

AIRCRAFT 43RF

FLT 800805

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>Black</u>	Gust Probe	
Cloud Physics	<u>Falls</u>	Omega Sonde	
AXBT	<u>Powell</u>	Sys Eng	<u>Lambrecht</u>
Hot Film	<u>—</u>	Data Tech	<u>Fennel</u>
Radar	<u>Lewis/Marks</u>	EI Tech	
Flt DIR/MET	<u>McCadden</u>	Other	

Pilot: Turner Eng Rica Cop. Noble

Time Off 1025Z Location \_\_\_\_\_ Time On \_\_\_\_\_ Location \_\_\_\_\_

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time (Z)	Lat	Lon	MSLP
<u>8/5</u>	<u>12Z</u>	<u>15.5</u>	<u>70.3</u>	<u>8/5</u>	<u>12</u>	<u>15°55'</u>	<u>70°21'</u>	<u>935</u>
—	—	—	—	—	<u>15</u>	<u>16°20'</u>	<u>71°28.7'</u>	<u>935</u>
—	—	—	—	—	<u>18</u>	<u>16°30.3'</u>	<u>72°10.9'</u>	<u>935</u>

C. Mission Briefing

---



---



---



---

Form J-1, Page 2

Proposed Flight Patterns

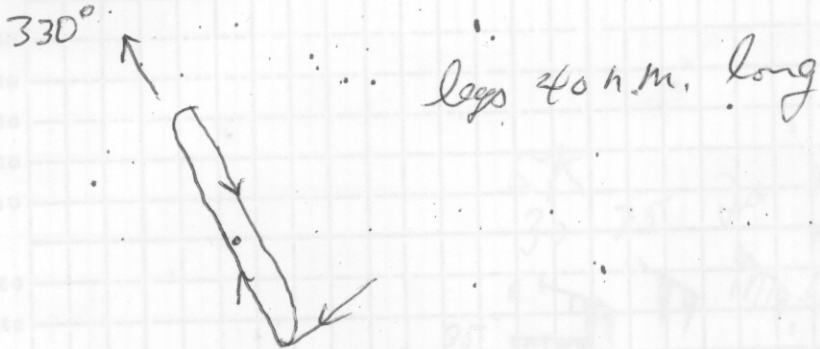
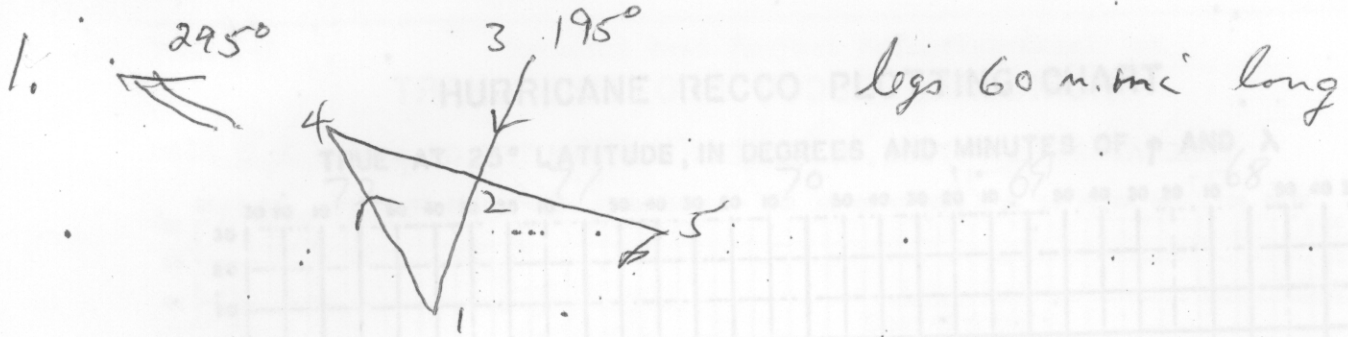
D. Equipment Status

<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	—			
AXBT	no			
Gust Probe	—			
Hot Film	—			
Photography	no at first on 10/31/03			
ASDL	✓			

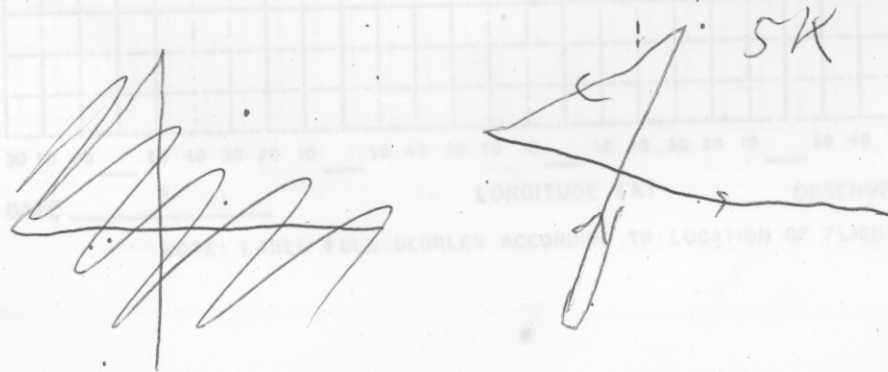
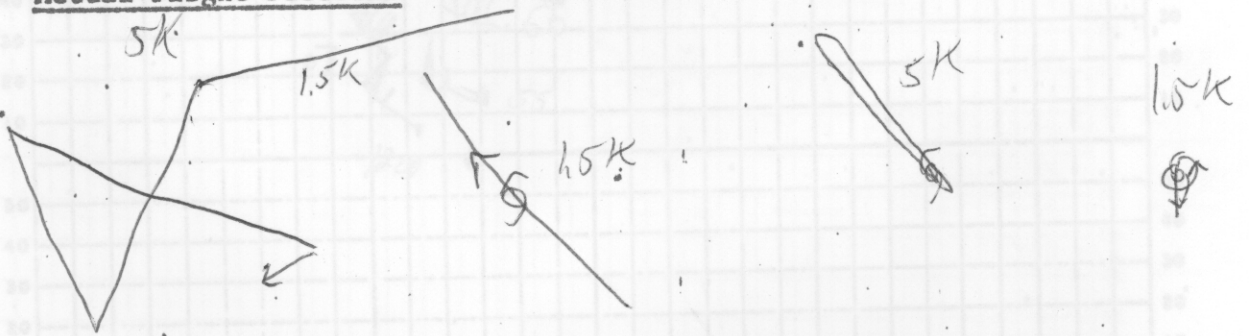
REMARKS

1. R.H.F out just after take-off
2. Delay <sup>in T.O.</sup> due to data syst. prob (minor) - fixed
3. Conducted test of direct SSB show patches come to NHEML; worked great

**E. Proposed Flight Patterns**

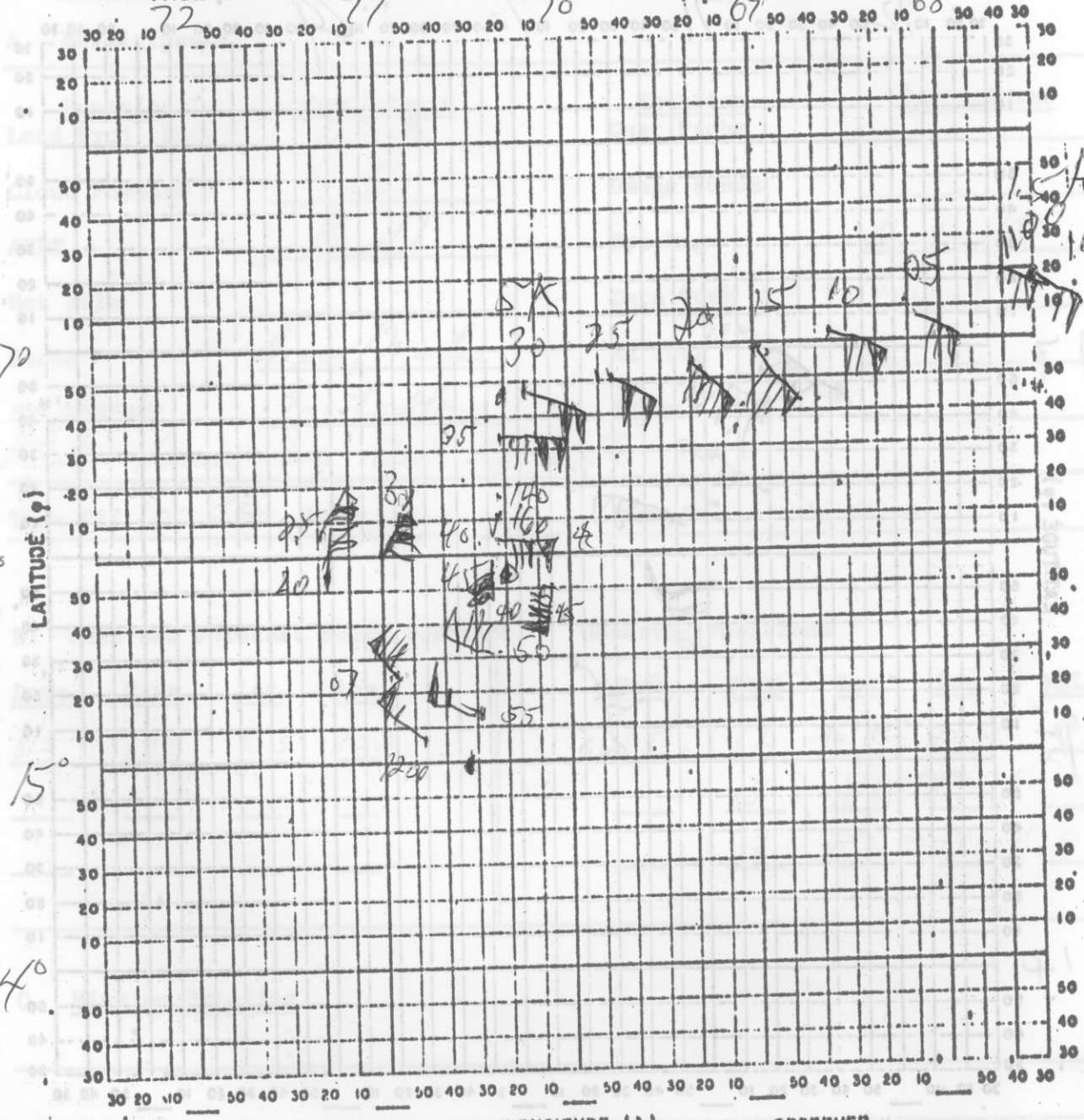


**F. Actual Flight Patterns**



# HURRICANE RECCO PLOTTING CHART

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



DATE \_\_\_\_\_

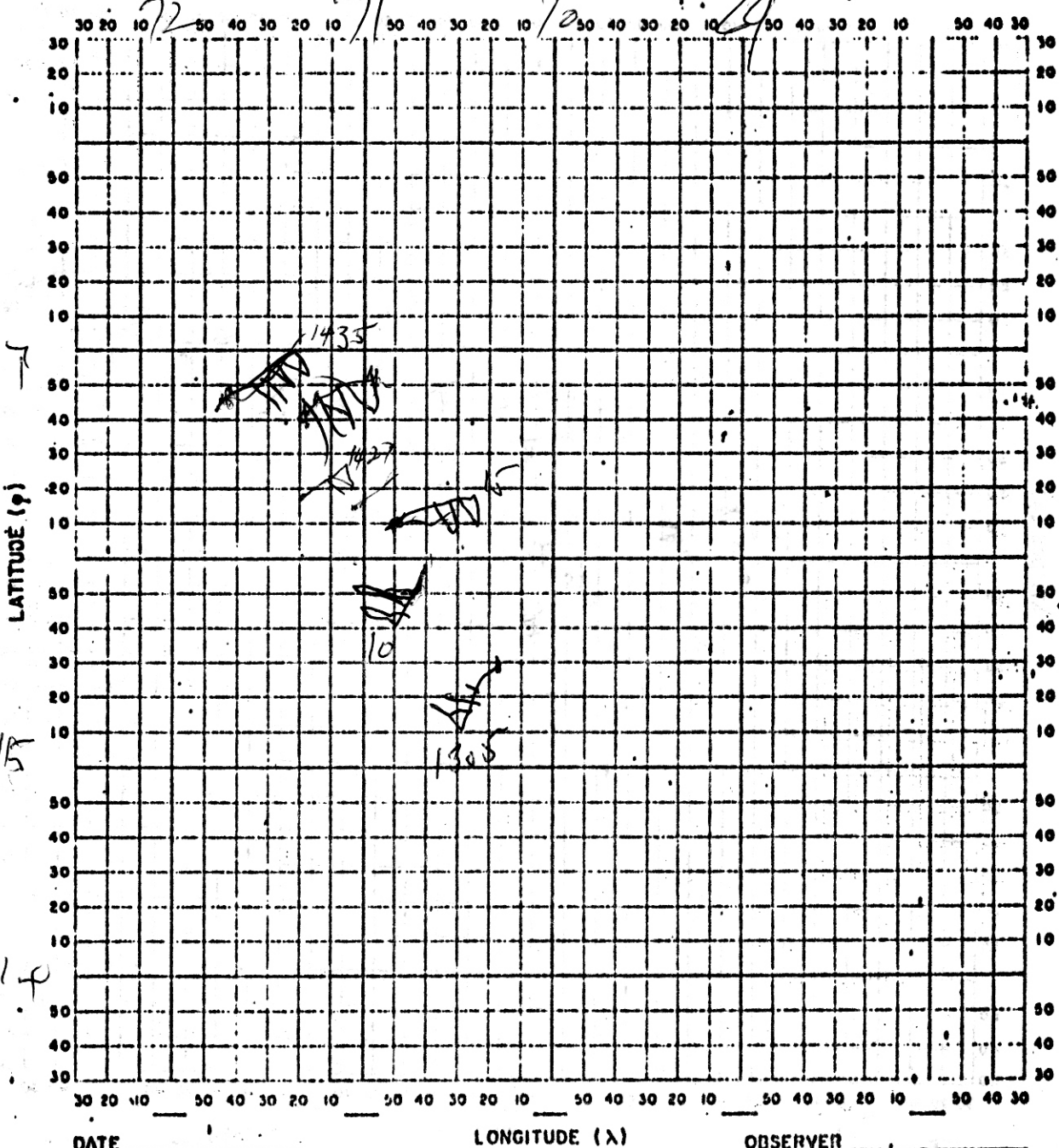
LONGITUDE ( $\lambda$ ) \_\_\_\_\_

OBSERVER \_\_\_\_\_

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

FLIGHT DATA LOG

FLIGHT: 800805 43R1<sup>2</sup> STORM: Allen

TIME: \_\_\_\_\_ TO: \_\_\_\_\_

ON-BOARD LEAD PROJECT SCIENTIST: P. Black

Flight summary (include status of instrumentation and recording equipment, as well as any problems, malfunctions or outages with approximate times):

no tail radar  
no side camera data  
several radar data outages

DATA VOLUME

STANDARD METEOROLOGICAL TAPES: 1

FAST TAPES: n

RADAR TAPES: DIGITAL 7 VIDEO 2 LF  TA  NO  <sup>no</sup>

CLOUD PHYSICS/KNOLLENBERG TAPES: 18

FORMVAR?  FOIL?

~~NO~~ AXBT's?  NO. of DROPS: \_\_\_\_\_ PRINTOUT?

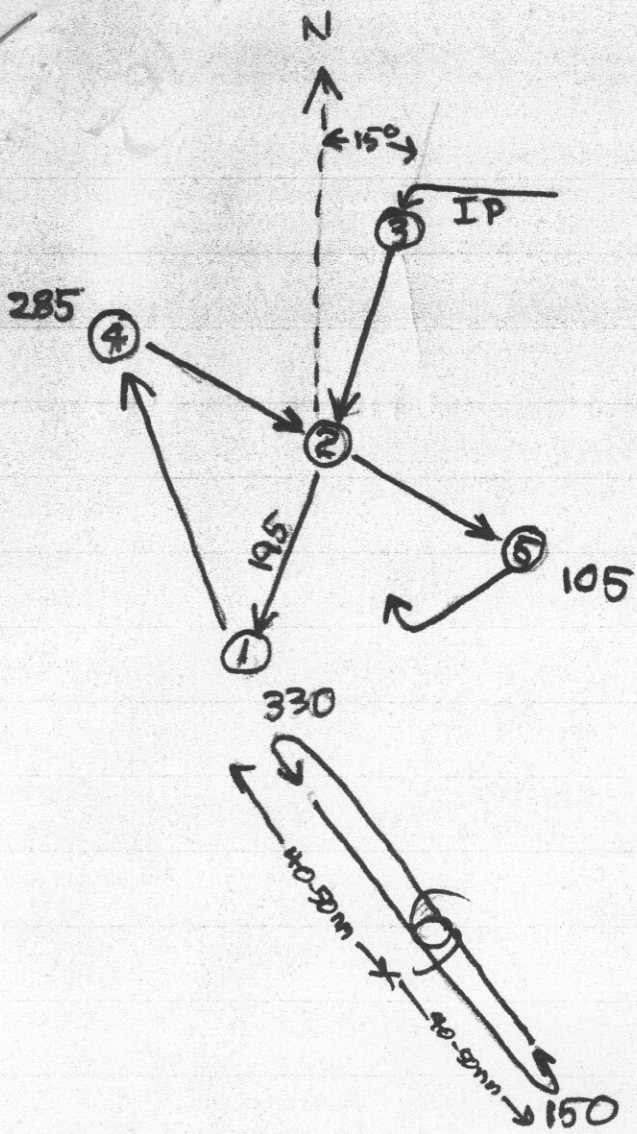
OMEGA DROPWINDSONDES?  NO. of DROPS: \_\_\_\_\_

~~NO~~ NO. of CASSETTES \_\_\_\_\_ PRINTOUT?  STRIP CHARIS?

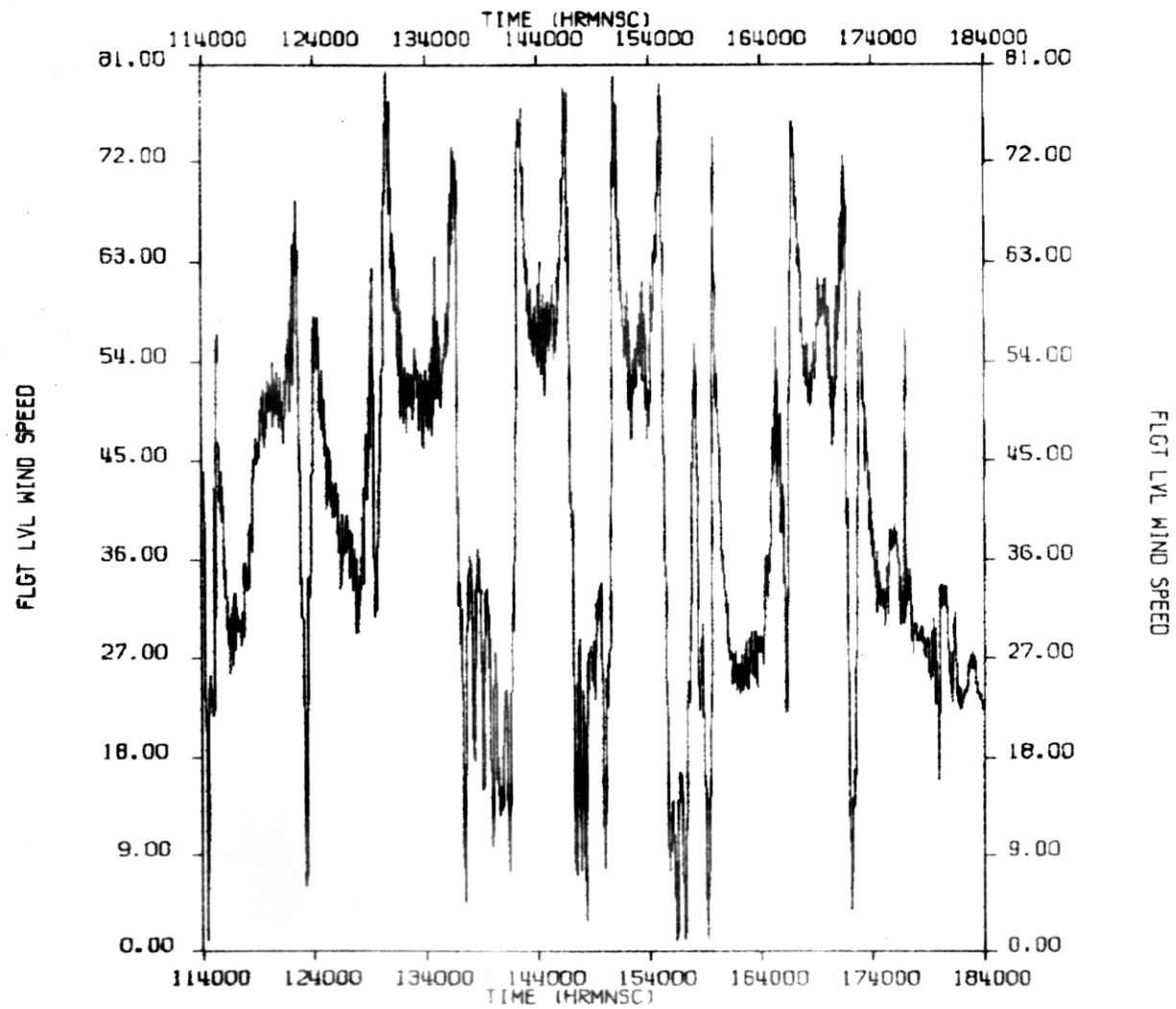
PHOTOGRAPHY: VERTICAL?  SIDE?  NOSE?

(IF KNOWN) RATE: 1 per sec RATE: \_\_\_\_\_ RATE: \_\_\_\_\_

~~NO~~ SEEDING MISSION?  FROM THIS A/C?  NO. of FLARES: \_\_\_\_\_



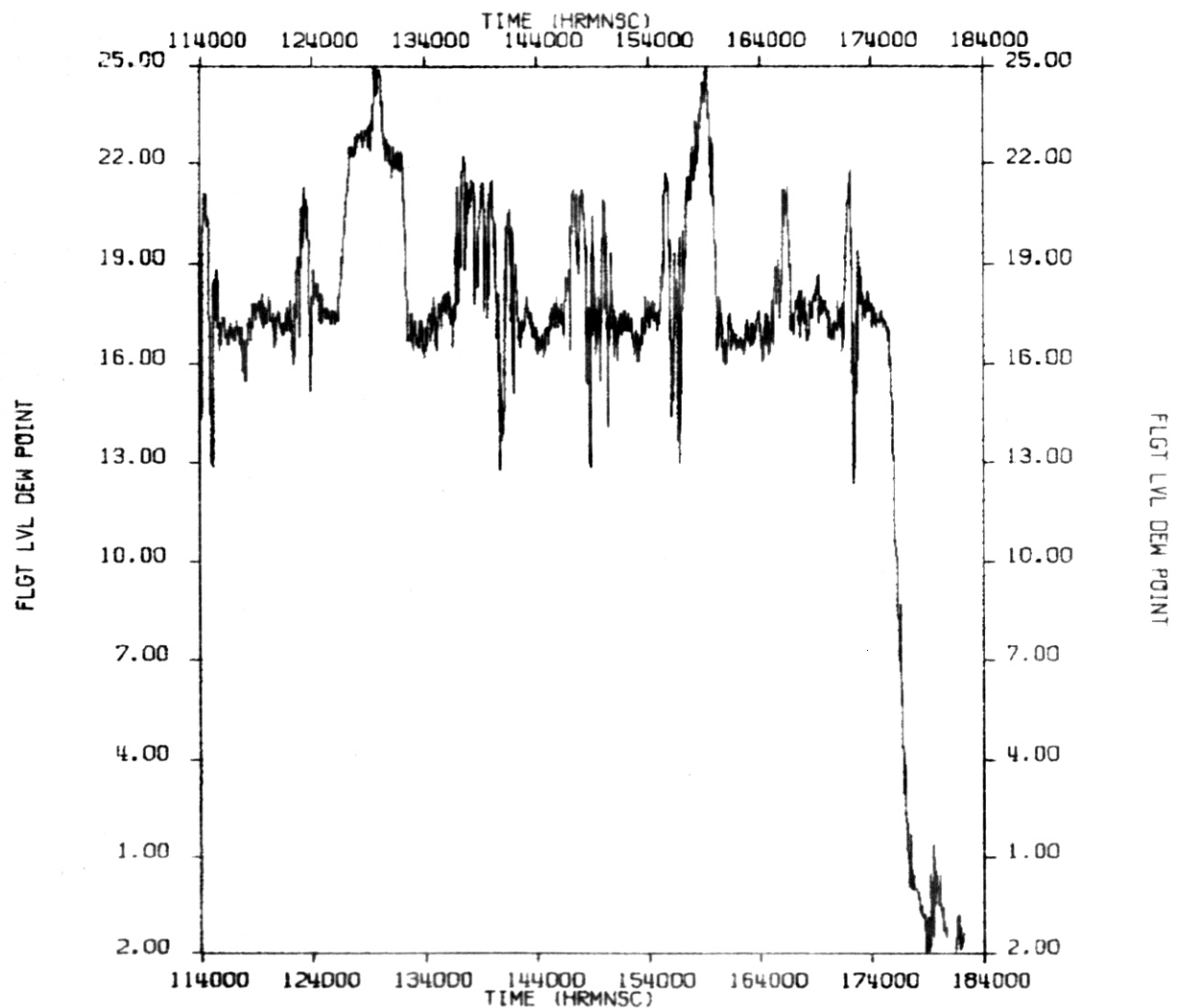
SYMMETRIC ABOUT  
CENTER



FLIGHT ID=8008051

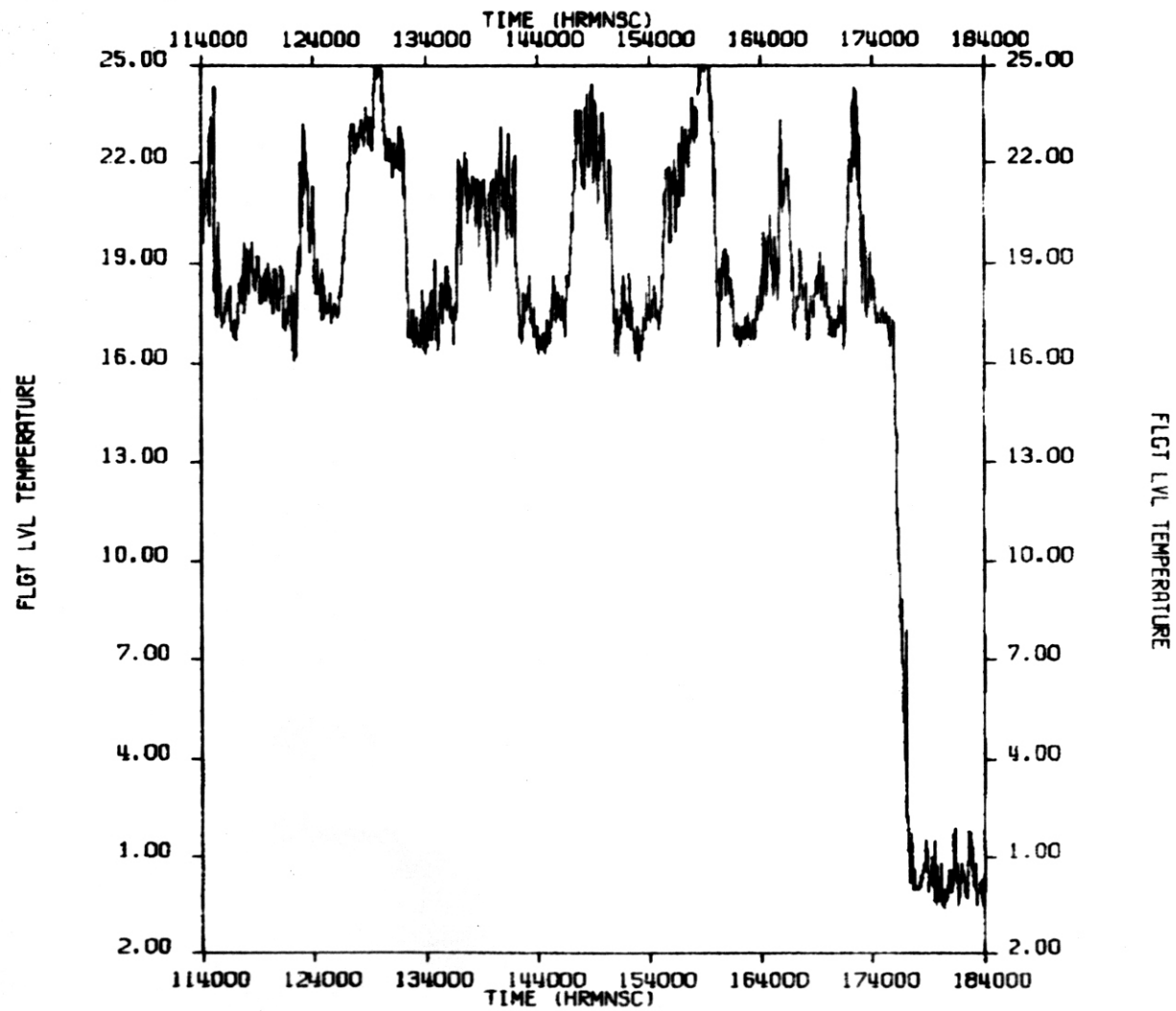
DATE RUN= 810220





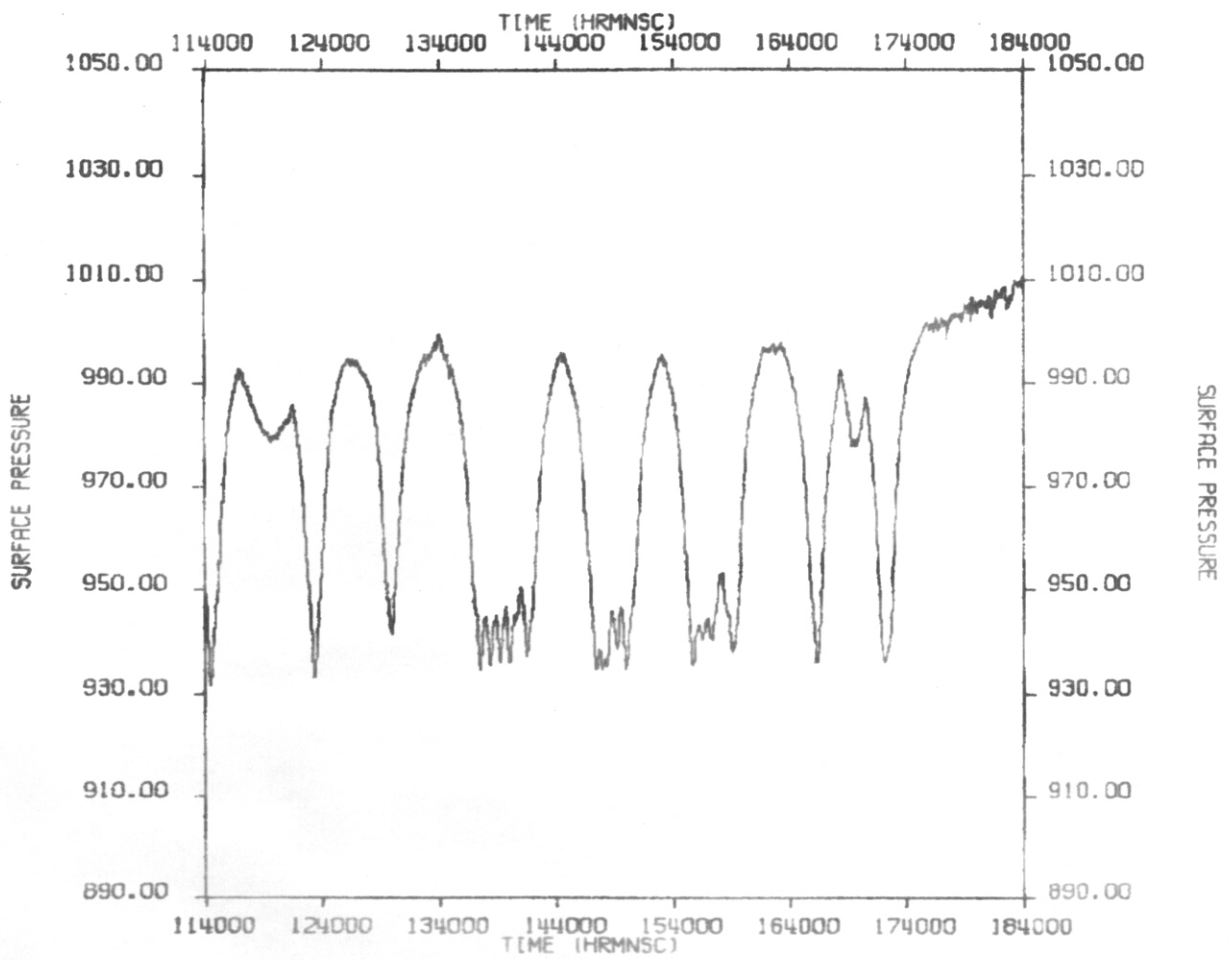
FLIGHT 10-8008051

DATE RUN= 810220



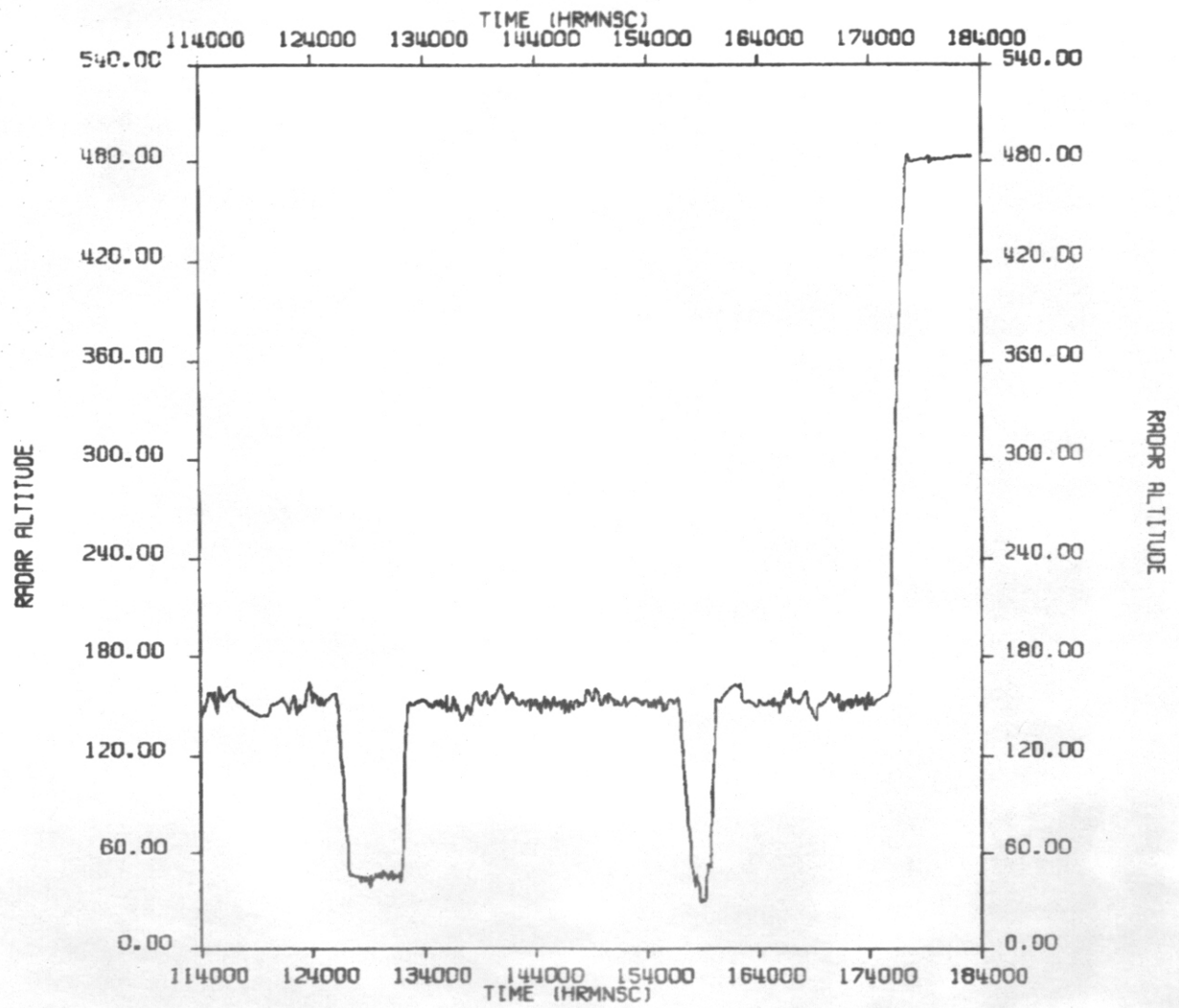
FLIGHT ID=8008051

DATE RUN= 810220



FLIGHT 10=8008051

DATE RUN= 810220



FLIGHT ID=8008051

DATE RUN= 810219

