

Appendix J

Operational Checklists

19780901I-LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 9/1/78AIRCRAFT 43RFFLT 780901I
0406

A. Participants

Function
Lead Proj. Sci.Participant
Black

Cloud Physics

R. Martin

AXBT

Lahiff

Hot Film

Bowell

Radar

J. Martin, Stewart

Flt DIR/MET

McFadden

Pass: Valerie Strauss, UPT, Jim Beauchamp

Function
Gust ProbeParticipant

Omega Sonde

Sys Eng

De GrauntData Tech LongLarry Rose

El Tech

Sam Calvert

Other pilot

Fred Werlenew
cupTom Bergeron
Bill MableTime Off 103704Location 1225 ETime On 1750 Location(1/2 hr late)Bill Hess
Bob Brack

B. Past and Forecast Storm Position - Observed Positions

<u>Date</u>	<u>Time</u>	<u>Lat</u>	<u>Lon</u>	<u>Date</u>	<u>Time</u>	<u>Lat</u>	<u>Lon</u>	<u>MSLP</u>
<u>01</u>	<u>10</u>	<u>30.5</u>	<u>72.0</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>02</u>	<u>00</u>	<u>32.0</u>	<u>74.0</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>03</u>	<u>00</u>	<u>35.0</u>	<u>74.5</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

C. Mission Briefing

6 hours on sta est.
entry point

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft				
Radar	OK	pilot scope out, radar tape drive down		
Cloud Physics	OK			
Data Sys	CPY #2 down no ai data rate, no graphics			
Omega Sondes				
AXBT	OK			
Gust Probe				
Hot Film	down			
Photography				

REMARKS

time - every 10 min

1240 Reg dia = 20

6 - CVS

depart area 1245

2 - VWS

1557 radar in cockpit out

3 - TATd

will do second circumar

4 - Pstc

Does stc burst or attenuate

5 - GS, TAS

close in signals?

6 - AXBT

pilot's scope OK after climb
to 20K ft

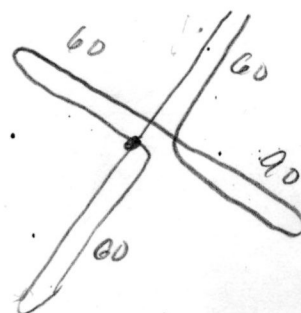
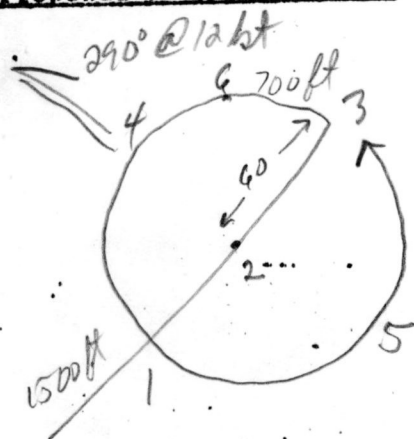
7 - vert accel

9 - flt. tracks

14 - nose

15 - belly

E. Proposed Flight Patterns

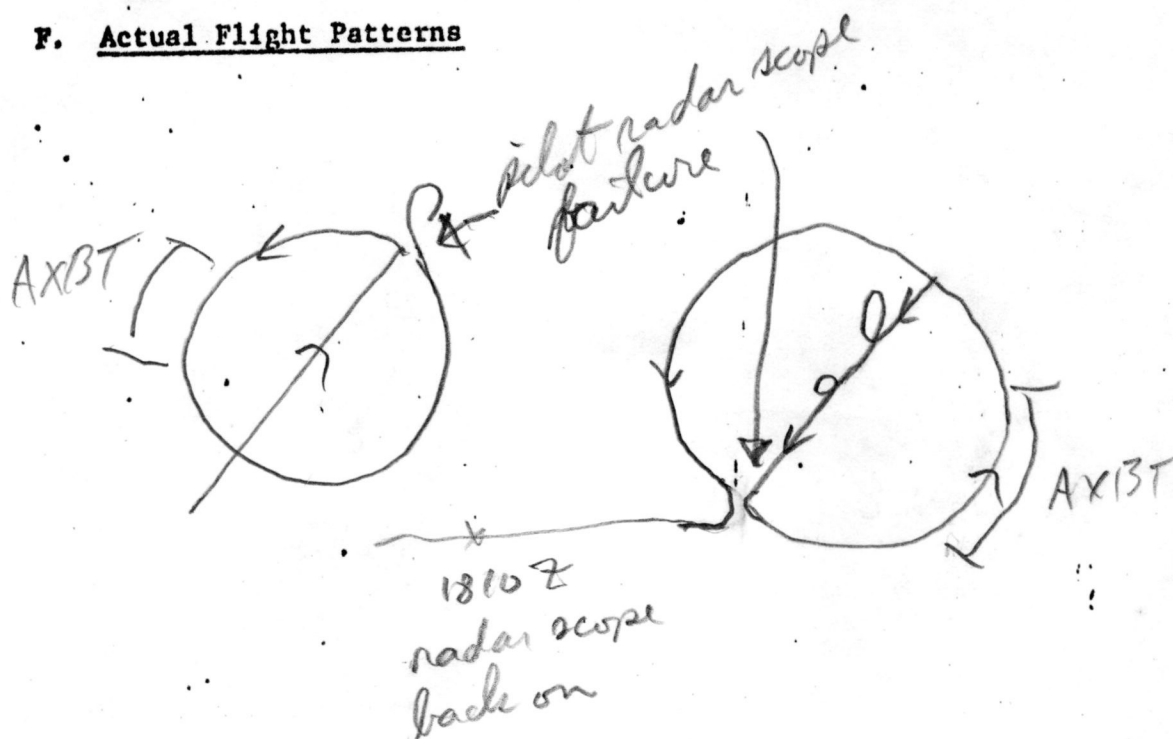


800-1500 ft
(cloud base)



800-1500 ft
(cloud base)

F. Actual Flight Patterns



HURRICANE RECCO PLOTTING CHART

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

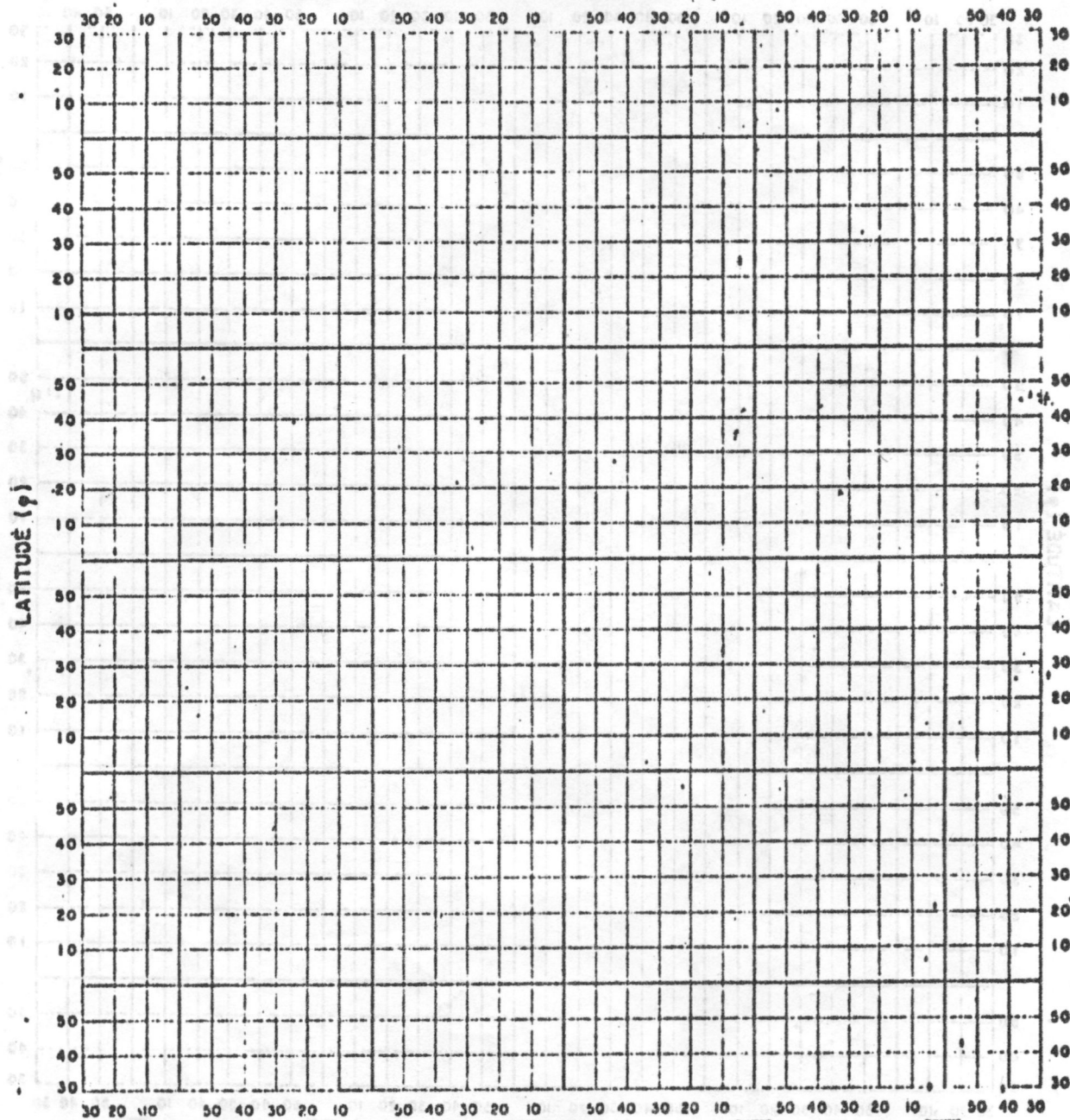
LATITUDE (ϕ)

DATE _____ LONGITUDE (λ) _____ OBSERVER _____

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

FLIGHT 780901I

	TIME	STATUS
Equipment checked	1031Z	OK
TAPE DRIVE " "	1031Z	OK

Started Recording:

TIME	ALTITUDE
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Time	17212Z	2722 M
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AT 1555Z THE tape drive did not recognize the load mark of some of the tapes.

TURN OFF 175445Z