

Appendix J

Operational Checklists

19790827H1-LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE Aug 27, 1979AIRCRAFT 42RFFLT 790827H1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>Lewis</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>Jorgensen</u>	Omega Sonde	<u>N/A</u>
AXBT	<u>Lachief</u>	Sys Eng	<u>Sims</u>
Hot Film	<u>N/A</u>	Data Tech	<u>Connors</u>
Radar	<u>Jorgensen</u>	El Tech	<u>Connors</u>
Flt DIR/MET	<u>DAVIS</u>	Other	

Time Off 1820Z Location N/A Time On 0100Z Location N/A

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>27</u>	<u>1600</u>	<u>24.5</u>	<u>97.5</u>					
<u>28</u>	<u>1600</u>	<u>27.5</u>	<u>98.0</u>					

C. Mission Briefing

Briefed Harlan Davis and S. Rosby concerning flight pattern and altitudes

Remarks: Only 3 NHEML persons onboard. Had to drop Dotzman due to lack of seat assignments.

D. Equipment Status

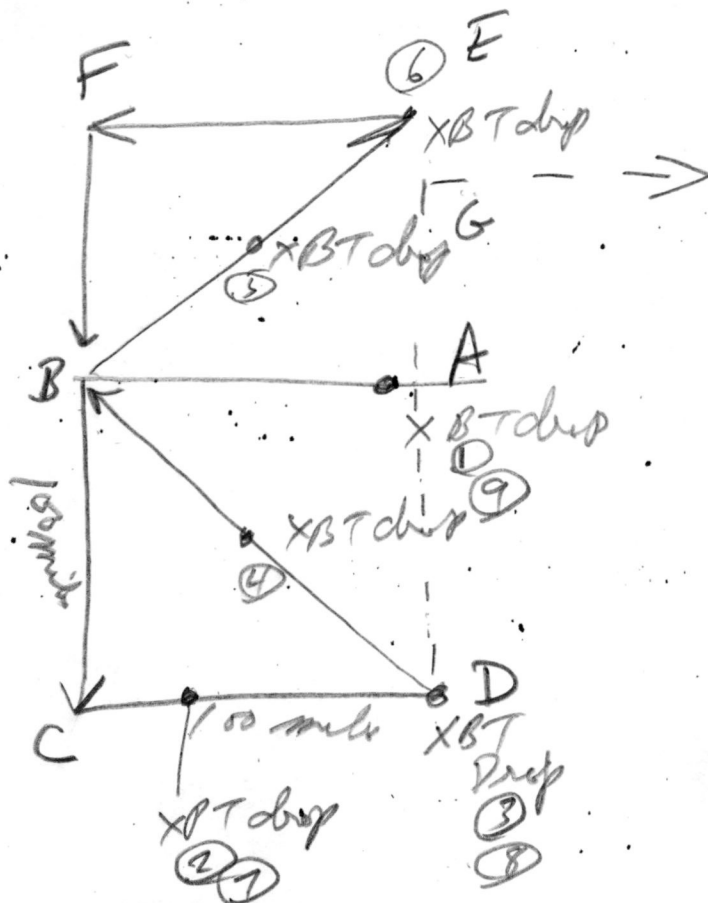
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	OK	NO 1 Eng failed	No. 1 Engine out	✓
Radar	②	NO 1 LF ok	NO 1 LF ok	✓
Cloud Physics	OK	OK	OK	
Data Sys	OK	OK	OK	
Omega Sondes	N/A	N/A	N/A	
AXBT	OK	Fuel not drop due to Engine failure		
Gust Probe	N/A	OK	OK	
Hot Film	N/A	OK	OK	
Photography	①	OK	OK	

REMARKS

- ① No vertic camera on 42RF
- ② No tail radar, failed in pre flight.
- ③ No 1 Engine Failed 5 min into pattern.
Returned to NIA

Delivered onboard listing to NAEML

E. Proposed Flight Patterns



A → B → C → D
 → B → E → F → B
 → C → D → A → G → MIA

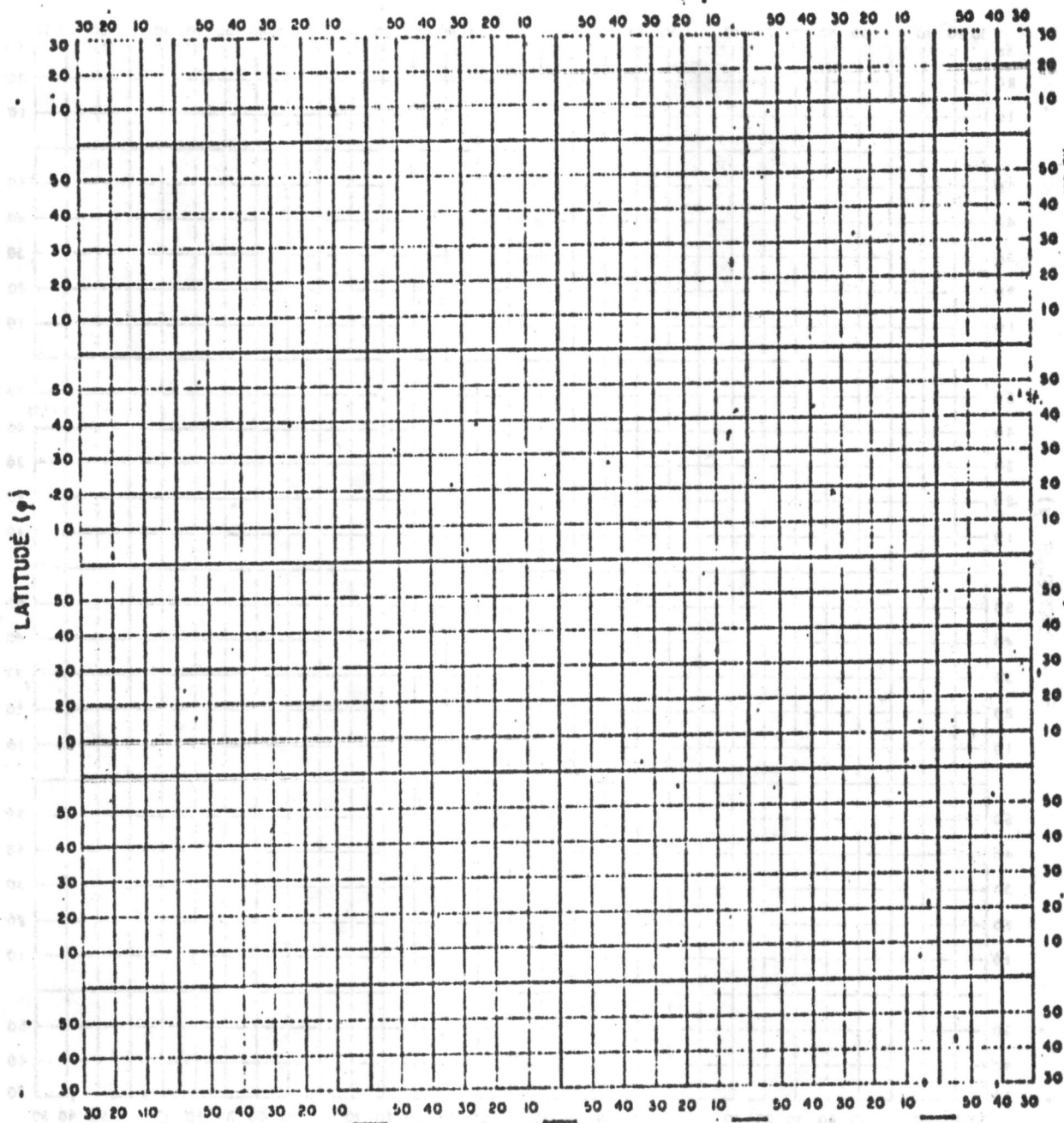
F. Actual Flight Patterns

No path flow due to engine failure. 5 min into pattern

See attached map

HURRICANE RECCO PLOTTING CHART

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



DATE _____

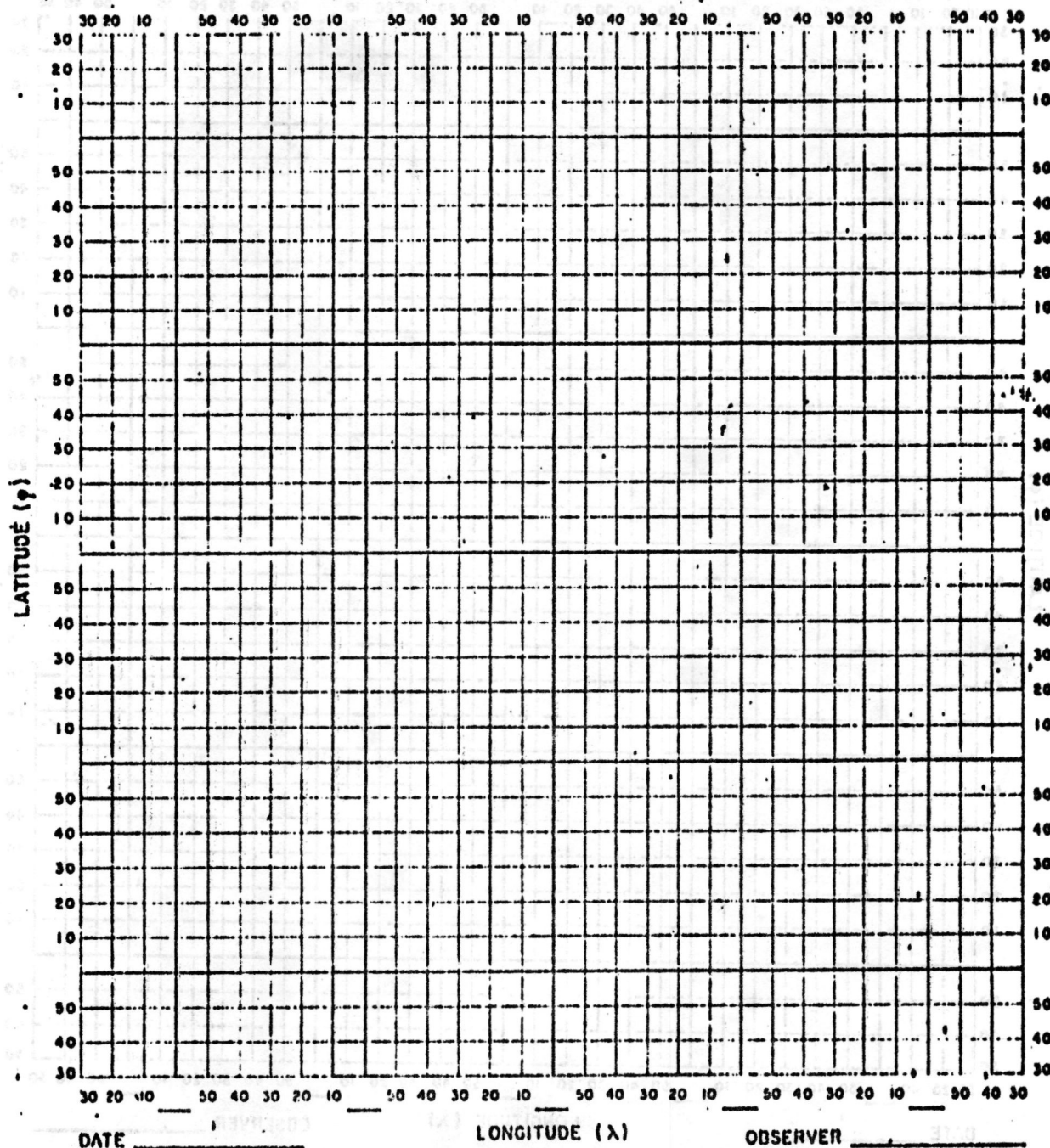
LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

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

