

Appendix J

Operational Checklists

19800808 H1-LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8/8/80AIRCRAFT 42RFFLT 8008

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>SHBETS</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>R. BLACK</u>	Omega Sonde	<u>Zysko</u>
AXBT	<u>N/A</u>	Sys Eng	<u>SIMS</u>
Hot Film	<u>N/A</u>	Data Tech	<u>Lembrecht</u>
Radar	<u>PARRISH / Lebow</u>	EI Tech	<u>Connors</u>
Flt DIR/MET	<u>Rosky</u>	Other	

Time Off ~1645 Z Location MIA

Time On _____ Location _____

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
..								

C. Mission Briefing

Aircraft - 43RF at 5000 FT R.A.

41C at 12000 FT P.A.

42RF at 18,000 FT-20,000 FT P.A.

Fly Pattern II

D. Equipment Status

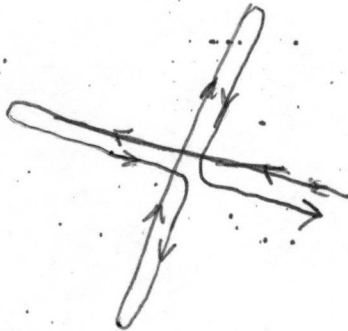
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	OK	OK	OK	
Radar	II	II	II	
Cloud Physics	II	II	II	
Data Sys	II	II	II	
Omega Sondes	II	II	II	
AXBT	N/A	—		
Gust Probe	N/A	—		
Hot Film	N/A	—		
Photography	I			

REMARKS

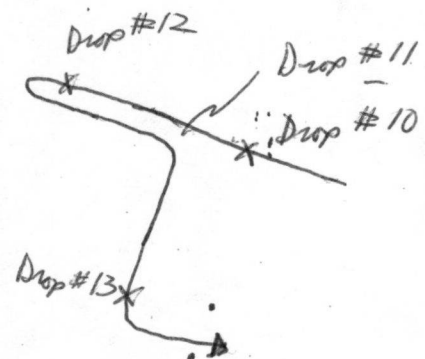
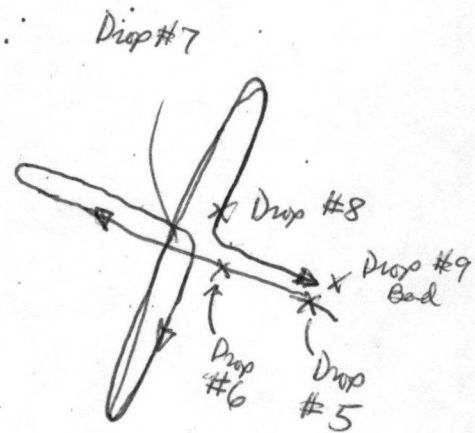
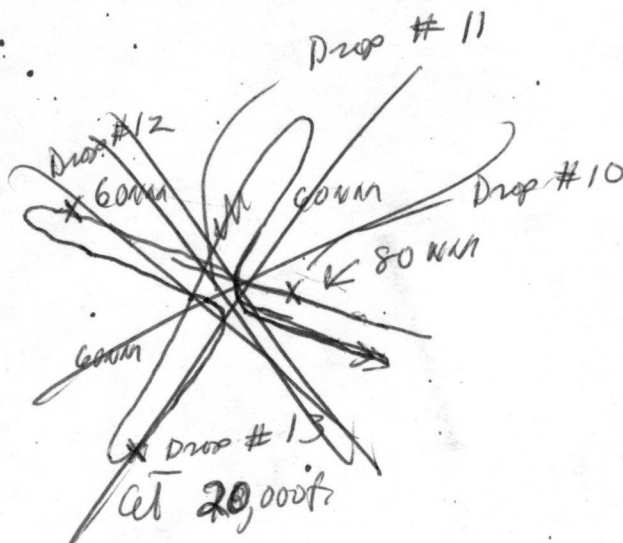
Suffered lightning strike ~ 2220Z. Pounding sound on lower fuselage. Returning to Miami.

Some sondes giving problems but most seem to have good winds

E. Proposed Flight Patterns

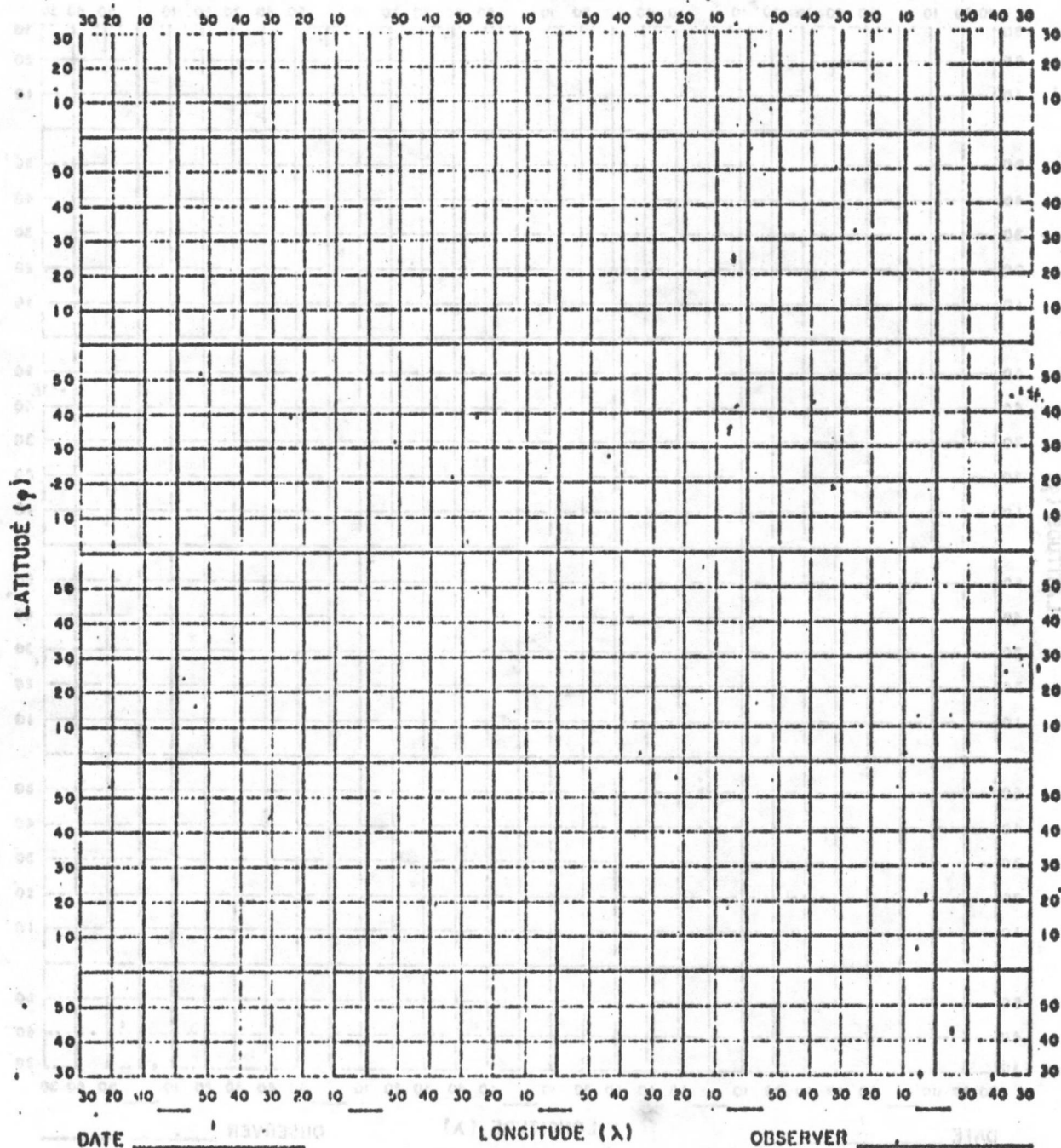


F. Actual Flight Patterns



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

HURRICANE RECCO PLOTTING CHART

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

LATITUDE (ϕ)

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30 20 10 50 40 30

DATE _____ LONGITUDE (λ) _____ OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA