

Appendix J

Operational Checklists

19780828II.LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8/28/78AIRCRAFT 43RFFLT 780828 I

DEBRA ?

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>SHEETS</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>R. MARTIN</u>	Omega Sonde	<u>N/A</u>
AXBT	<u>LAHIA</u>	Sys Eng	<u>DUGRANUT</u>
	<u>HAWKINS</u>	Data Tech	<u>McRORY BRUNSON</u>
Hot Film	<u>N/A</u>	El Tech	<u>McRory</u>
Radar	<u>WIRFEL</u>	Other	<u>Edwin NUNEZ CSU</u>
Flt DIR/MET	<u>MICHEL</u>		

Time Off ~1750Location MIAMI

Time On

Location

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>8/28</u>	<u>~17Z</u>	<u>28°14'</u>	<u>94°13'</u>	---	---	---	---	---
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C. Mission Briefing

Mission in response to NHC requests. Flight along 26°N west from Miami with AXBT drops at 26°N 86°W; 26°N 90°W; and 26°N 93.5°W at 5800M (18,000ft). Descend from 18,000ft toward 27°N 94°W reaching 1500ft or ~~low~~ below cloud base whichever is lower. Stay below cloud base for remainder of mission. Pattern depends on location of storm.

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	✓			
Radar	VTR OUT			
Cloud Physics	OK			
Data Sys	OK			
Omega Sondes	N/A			
AXBT	OK	SEE RMKS		
Gust Probe	N/A			
Hot Film	N/A			
Photography	OK			
ASDL	OK	OK	see RMKS	

REMARKS

- ① Got lightning strike at ~ 2019 - got antenna - will go through storm - land in Houston - remove antennas then return to storm.
- ② 3 AXBTS LAUNCHED; ONLY ONE TO WORK WAS AT 26°N 93.5°W.
3. Bumpo on East side resulted in climb to 3,000 ft. for flight safety purposes.

Final pass along coast made at 3000 ft. on east side

ASDL system had problems. Apparently CARCAH (NHC) did not receive OOE fix data thru ASDL. Relayed later thru phone patch.

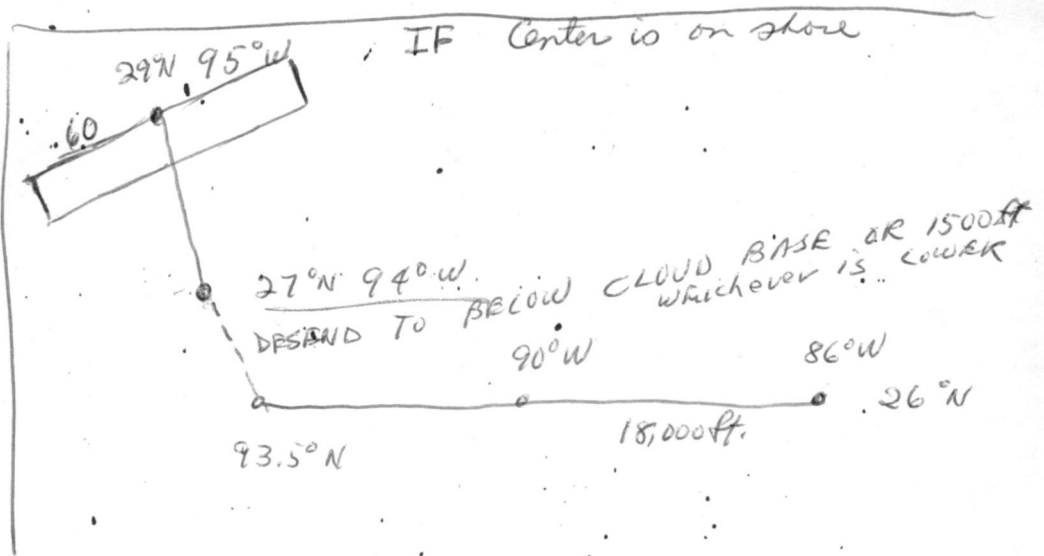
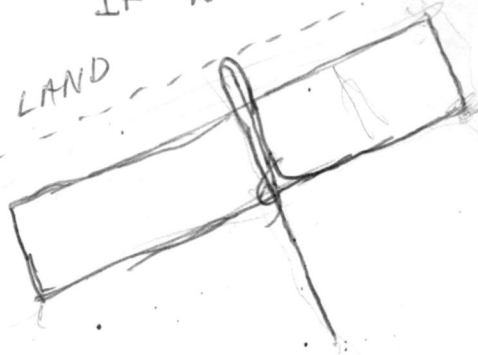
E. Proposed Flight Patterns

IF NOT ON SHORE



IF NOT ON SHORE

LAND

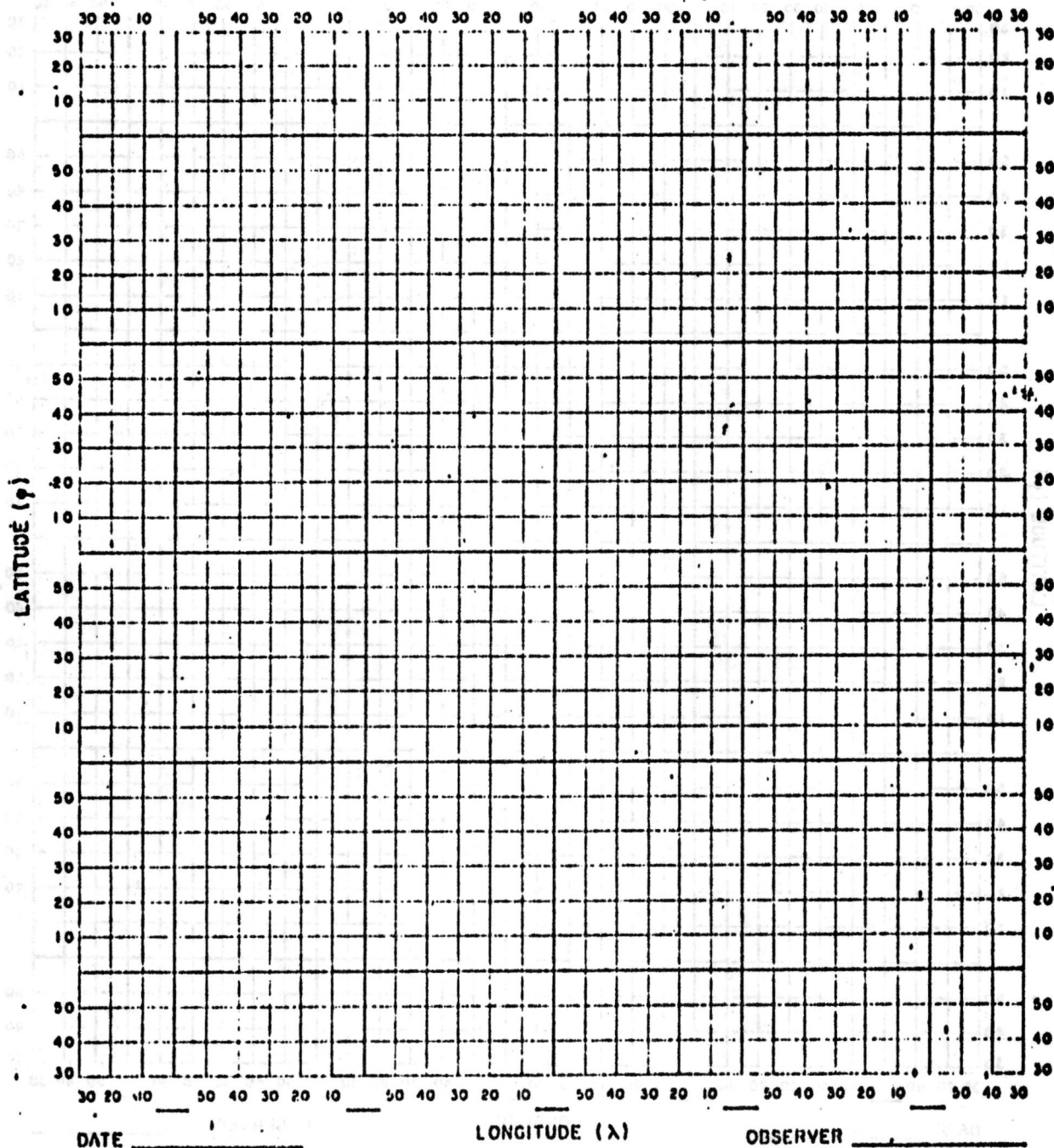


F. Actual Flight Patterns

See attached pages 1-3

HURRICANE RECCO PLOTTING CHART

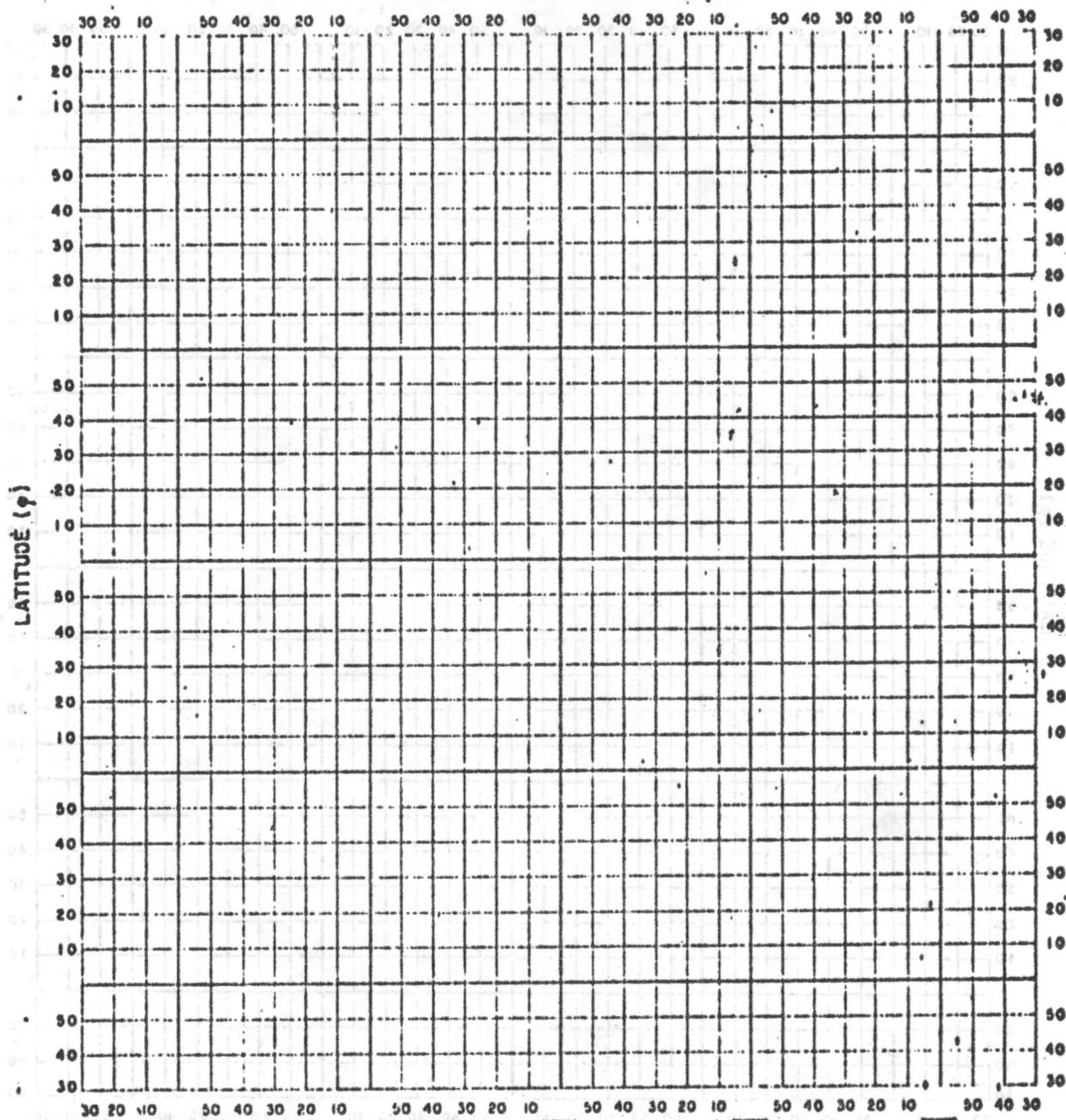
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



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



DATE _____

LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA