

Appendix J

Operational Checklists

ROSA

19740226HLLPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 2/26/79AIRCRAFT 42RFFLT 790226H

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>Sheets</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>WILLIS</u>	Omega Sonde	<u>DuGras</u>
AXBT	<u>DuGras</u>	Sys Eng	<u>DuGras</u>
Hot Film	<u>N/A</u>	Data Tech	<u>Brown</u>
Radar	<u>LEWIS</u>	EI Tech	<u>Conner</u>
Flt DIR/MET	<u>DAVIS</u>	Other	<u>NONN</u>

Time Off	Location	Time On	Location
<u>~1200</u>	<u>TOWNSVILLE</u>		
	<u>AUST.</u>		

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
..								

C. Mission Briefing

a pattern at 1500 ft. and one at 20,000 ft. Clouds
not possible due to land-island. Storm moving slowly
westward. 6 sondes and 6 AXBT's to be dropped.

D. Equipment Status

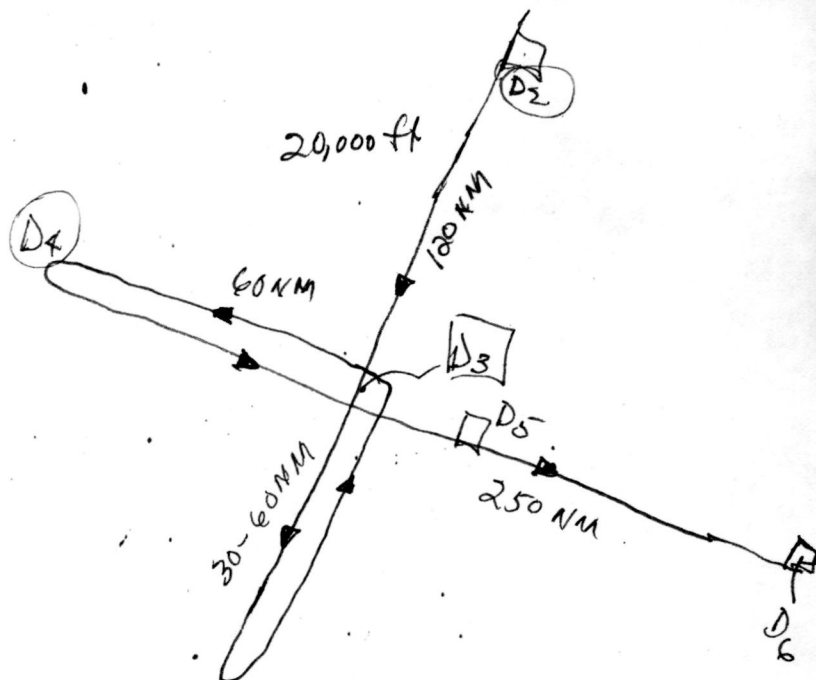
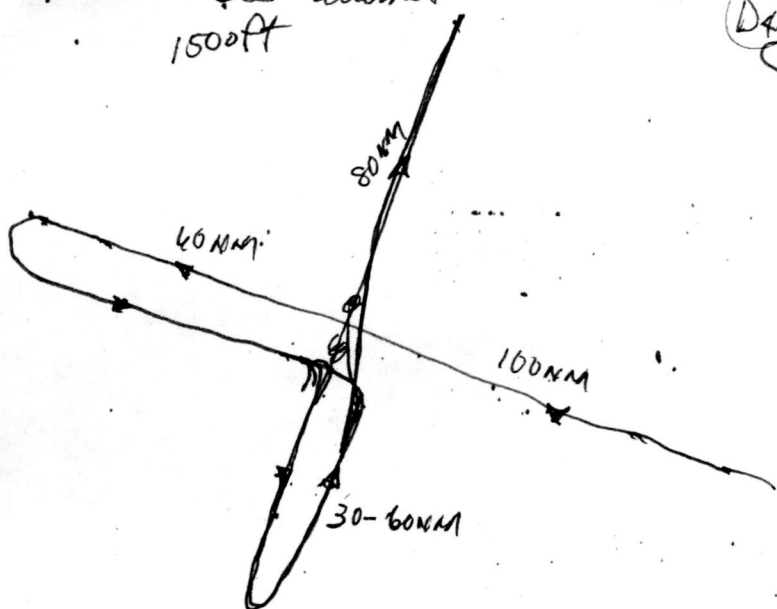
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	✓			
Radar	1* (See Note below)			
Cloud Physics	2 (See Note below)			
Data Sys	✓			
Omega Sondes	✓ 3. (see note below)			
AXBT	4.			
Gust Probe	N/A			
Hot Film	N/A			
Photography				

REMARKS

1. No tail radar
Lower Fuselage stabilization regained - apparently OK.
2. Forward on
Foil on
2-D inoperative
CSIRO - aerosol - total water etc. on
3. Six sondes onboard. ~~all~~ 5 are one frequency which limits where sondes can be dropped, i.e. must allow for sonde to be in water before net can be released.
4. Only 6 AXBT'S onboard due to weight balance problems.

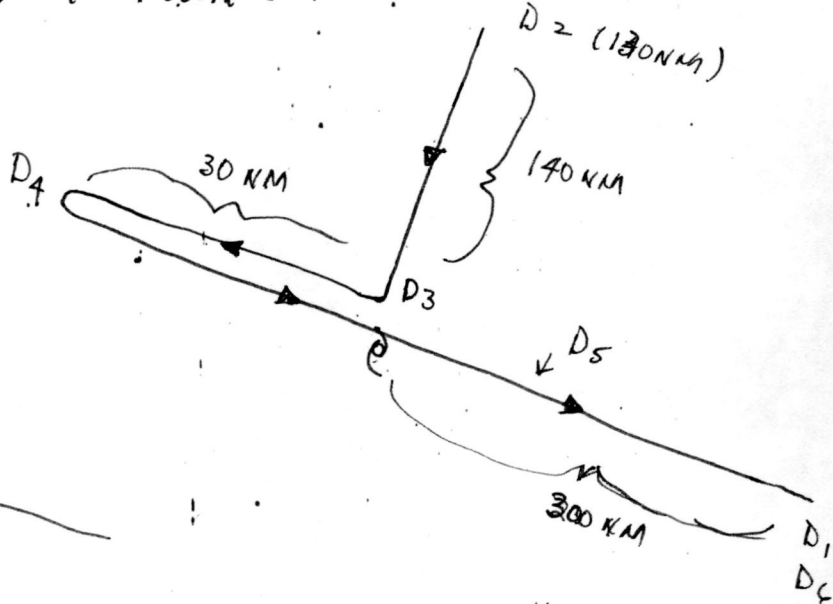
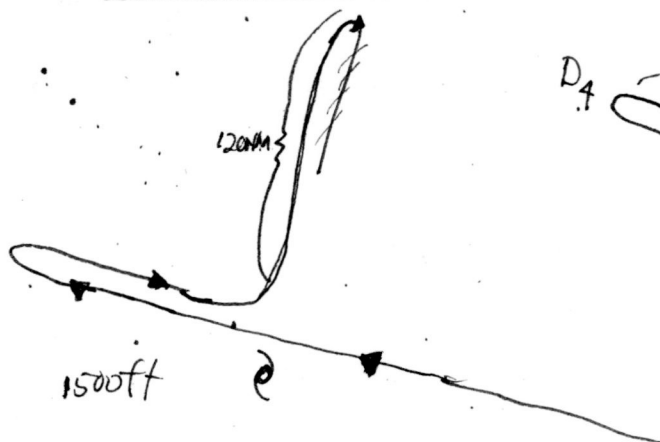
E. Proposed Flight Patterns

See attached
1500ft



First Drop apparently failed. : Film on 1 second rate at 0342Z

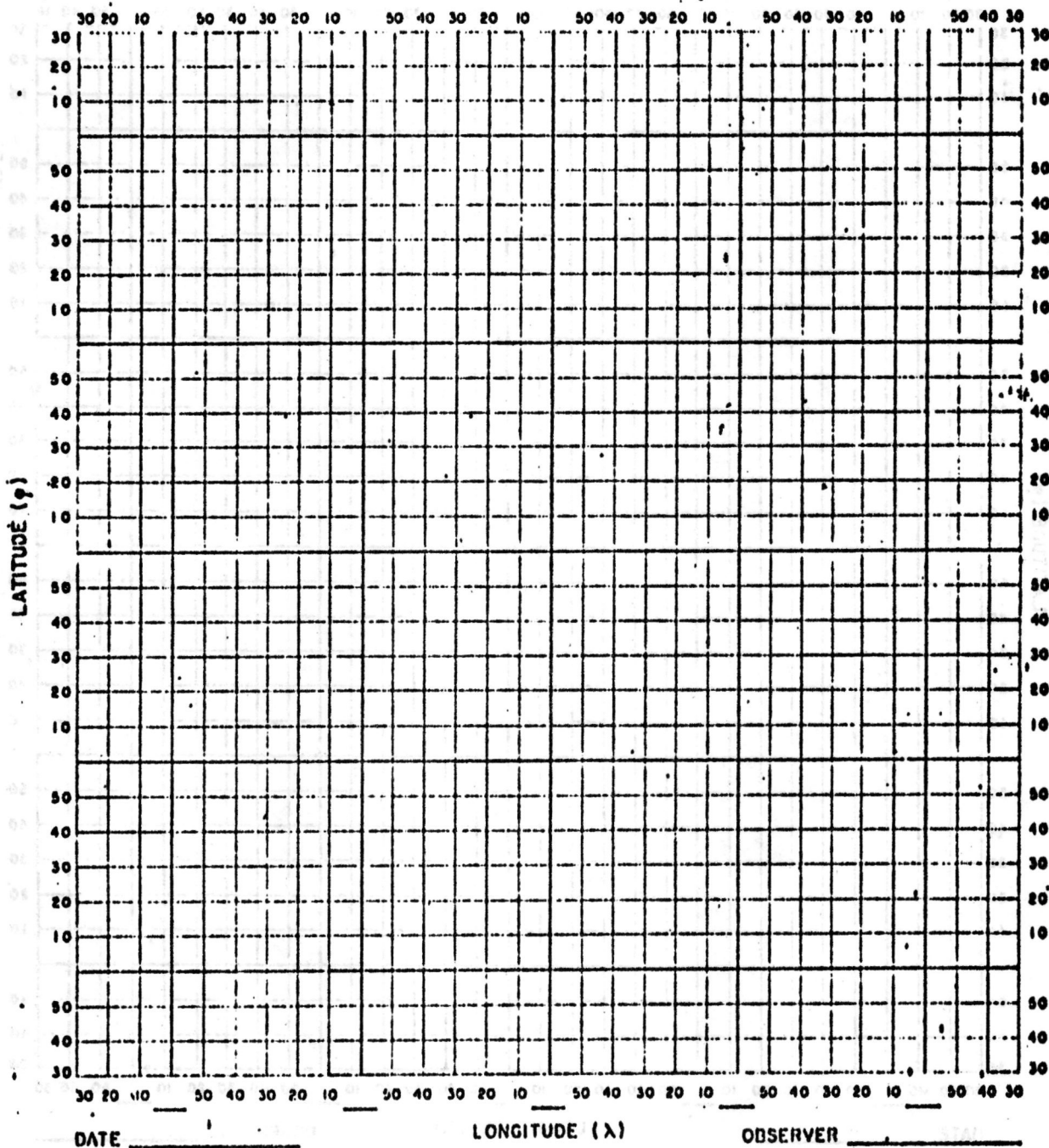
F. Actual Flight Patterns



Storm center moved over land before penetration,
SE to NW. leg missed eye by ~ 10 miles.
Probably near max wind belt for this zone.

HURRICANE RECCO PLOTTING CHART

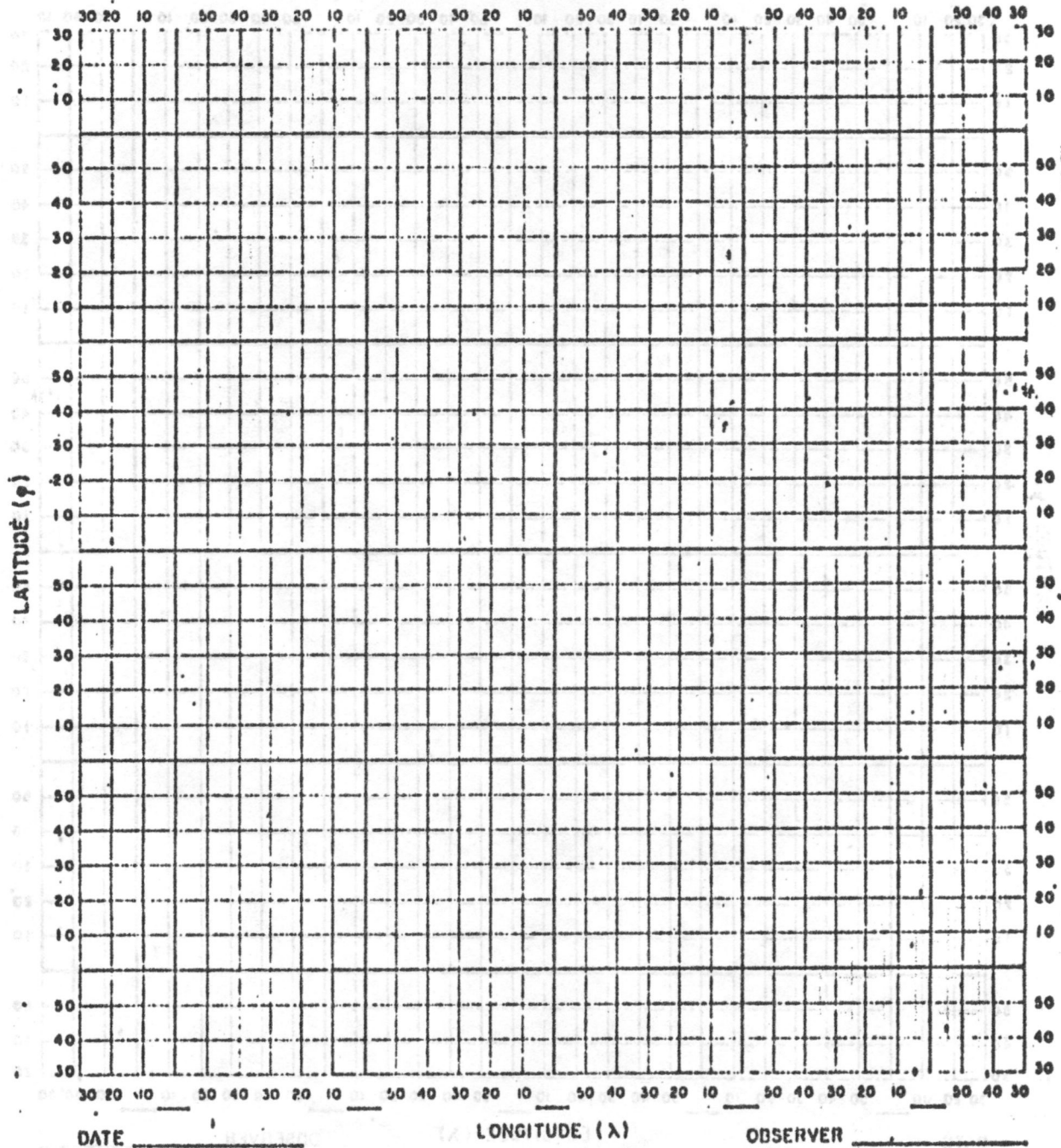
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



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



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

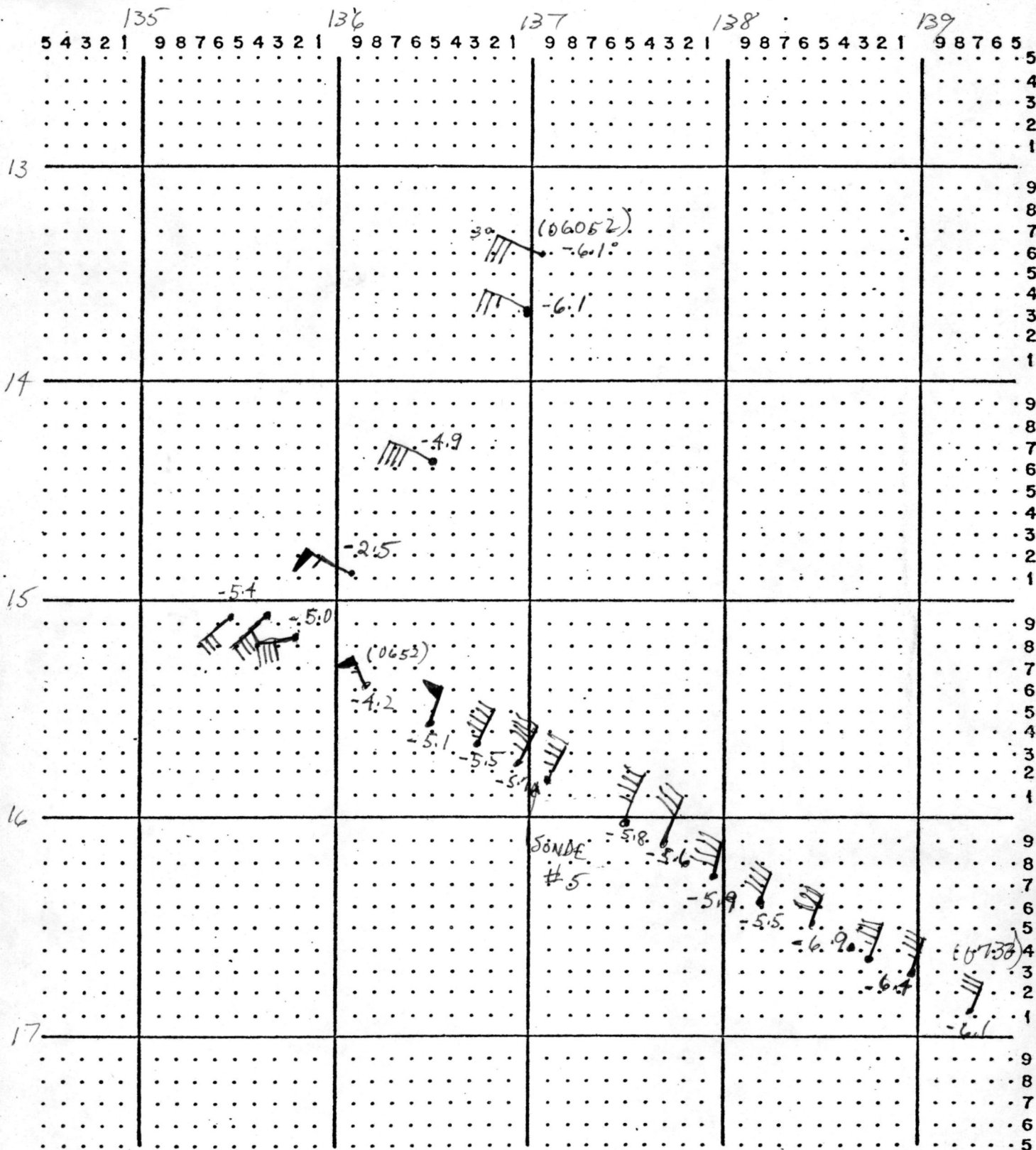
True at 25° latitude, in degrees and tenths of ϕ and λ

FLIGHT 790226 14

LEVEL 20,000 ft

ROSA

LATITUDE (ϕ)



LONGITUDE (λ)

DATE 2/26/79

OBSERVER SHEETS

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT