

AT70921HI-LPS 9/21/77

12Z

RCS

FLT SCHEDULE 9/21/77

FLT 1 - 43RF 21/14Z - 22/00Z

FLY PATTERN DEPICTED ON ATTACHED
AT 1500 FT AND 10,000 ft.

PROCEED TO CLOUDLINE PATTERN (~2HRS)
WITH FLT 2 (41C)

FLT 2 - 41C 21/16Z - 22/00Z

FLY PATTERN DEPICTED ON ATTACHED
AT 20,000 FT.

PROCEED TO CLOUDLINE PATTERN (~2HRS)
WITH 43RF

FLT 3 - 42RF 21/22Z - 22/08Z

FLY PATTERN DEPICTED ON ATTACHED
AT 1500 ft, 10,000 ft. AND 20,000 ft.

TENTATIVE FLT SCHEDULE

~~FLY~~

FLT 4 - 43RF 22/04Z - 22/14Z

REPEAT PATTERN OF FLT 3.

FLT 5 - 42RF 22/15Z - 23/01Z

REPEAT PATTERN OF FLT 1 WITH ALTERATION OF
SEQUENCE 1500 ft. - CLOUDLINE - 20,000 ft.

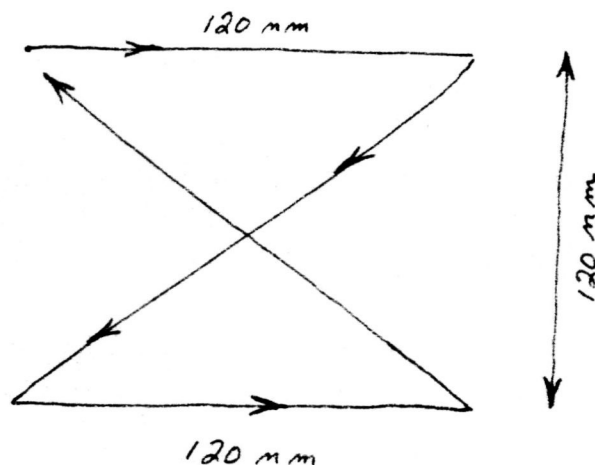
FLT 6 - 41C 22/15Z - 22/23Z

REPEAT PATTERN OF FLT 2

FLIGHT

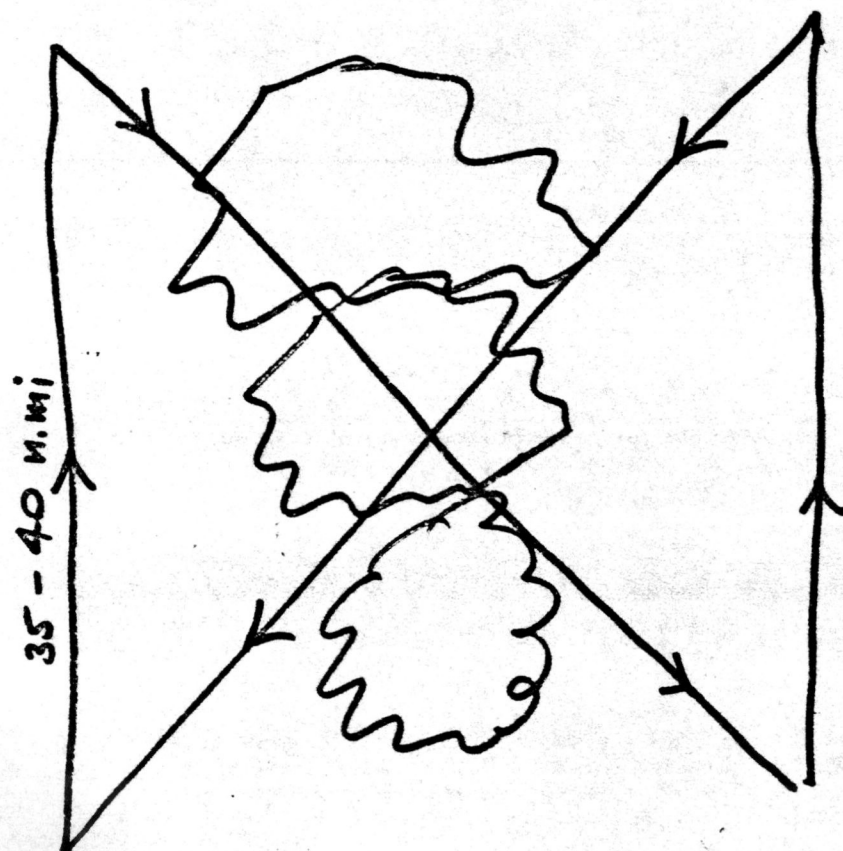
- #1. CREW 1 - 43 SJU to STM to SJU 21/14Z - 22/00Z
2. CREW 2 - 41 SJU to STM to SJU 21/16Z - 22/00Z
3. CREW 3 - 42 SJU to STM to SJU 21/22Z - 22/08Z
4. CREW 4 - 43 SJU to STM to SJU 22/04Z - 22/14Z
5. CREW 1 - 42 SJU to STM to SJU 22/15Z - 23/01Z

PATTERN , MOVES WITH SYSTEM

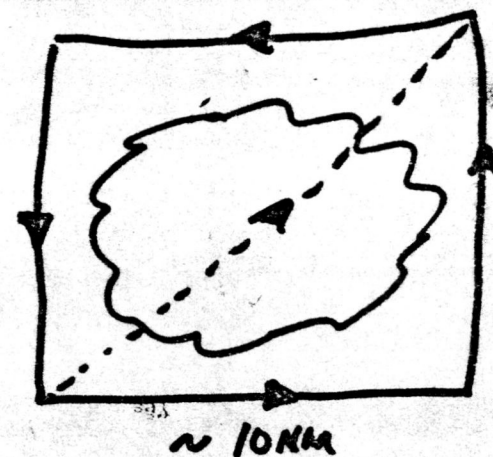
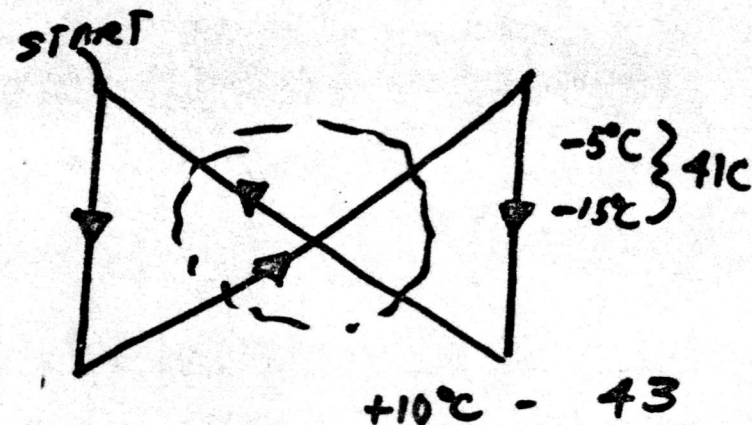


800-1000 ft 43 RF

-15°C
AT -5°C 41C
+10°C 43RF
800-1000 ft



CENTERED ON MOST
ACTIVE CONVECTION



800-1000 ft. 43 RF

~~700-800 ft. 43 R~~

770921H

-101-

APPENDIX I.

OPERATIONAL CHECKLISTS

FORM I-1

Onboard Lead Project Scientist CHECKLIST

DATE 9/21/77AIRCRAFT 42RF 770921HFLT 770921H

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>SHEETS</u>	Gust Probe	<u>N/A</u>
Cloud Physics	<u>SPAHN</u>	Omega Sonde	<u>THOMAS</u>
AXBT	<u>N/A</u>	Sys Eng	<u>CONNER</u>
Hot Film	<u>N/A</u>	Data Tech	<u>BROWN</u>
Radar	<u>STEWART</u>	El Tech	<u>FENNEU</u>
Flt DIR/MET	<u>DAVIS</u>	Other	<u>D. EYRE</u>

Time Off 2204Z Location SJUTime On 0640Z Location SJU

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---

C. Mission Briefing

Continue 24 Hour monitoring of tropical wave located
near 64°N 64°W.
22/00Z Fix responsibility.

Form I-1, Page 2

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	<u>OK</u>	<u>OK</u>	<u>OK</u>	<u> </u>
Radar	<u>OK</u>	<u>OK</u>	<u>OK</u>	<u> </u>
Cloud Physics	<u>OK</u>	<u>OK</u> <u>FOIL MALT.</u>	<u>OK</u> <u>FOIL MALT</u>	<u> </u>
Data Sys	<u>OK</u>	<u>SEE</u> <u>RANKS</u>	<u>SEE</u> <u>RANKS</u>	<u> </u>
Omega Sondes	<u>Not UP</u>	<u> </u>	<u> </u>	<u> </u>
AXBT	<u>N/A</u>	<u> </u>	<u> </u>	<u> </u>
Gust Probe	<u>N/A</u>	<u> </u>	<u> </u>	<u> </u>
Hot Film	<u>N/A</u>	<u> </u>	<u> </u>	<u> </u>
Photography	<u>NONE</u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

REMARKS

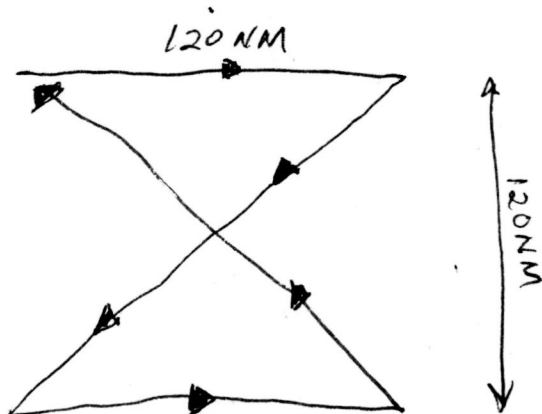
Radar computer down for ~ 20 minutes around 0100 Z
Down at other times.

Main systems computer down ~ 05 Z.

Ran Teek Down - Does graphics.
Data continues to be recorded.

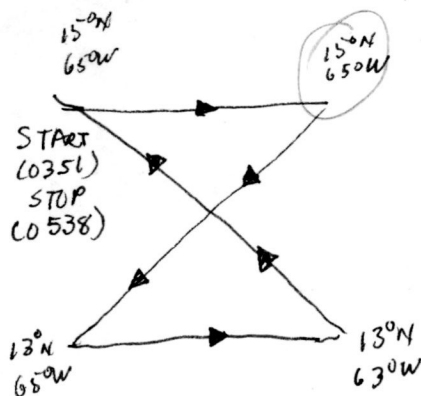
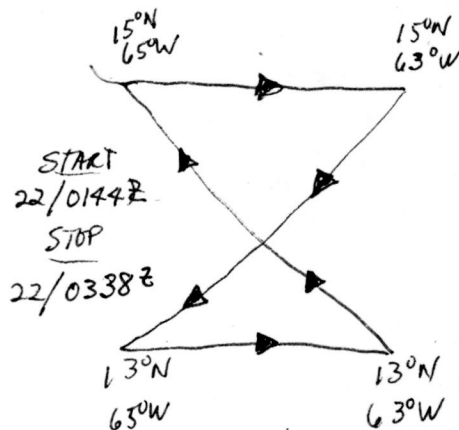
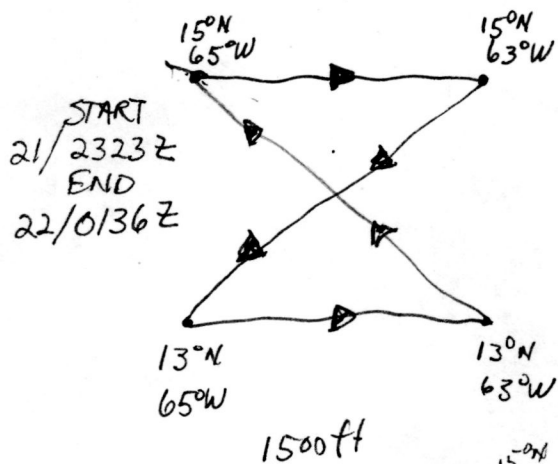
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E. Proposed Flight Patterns



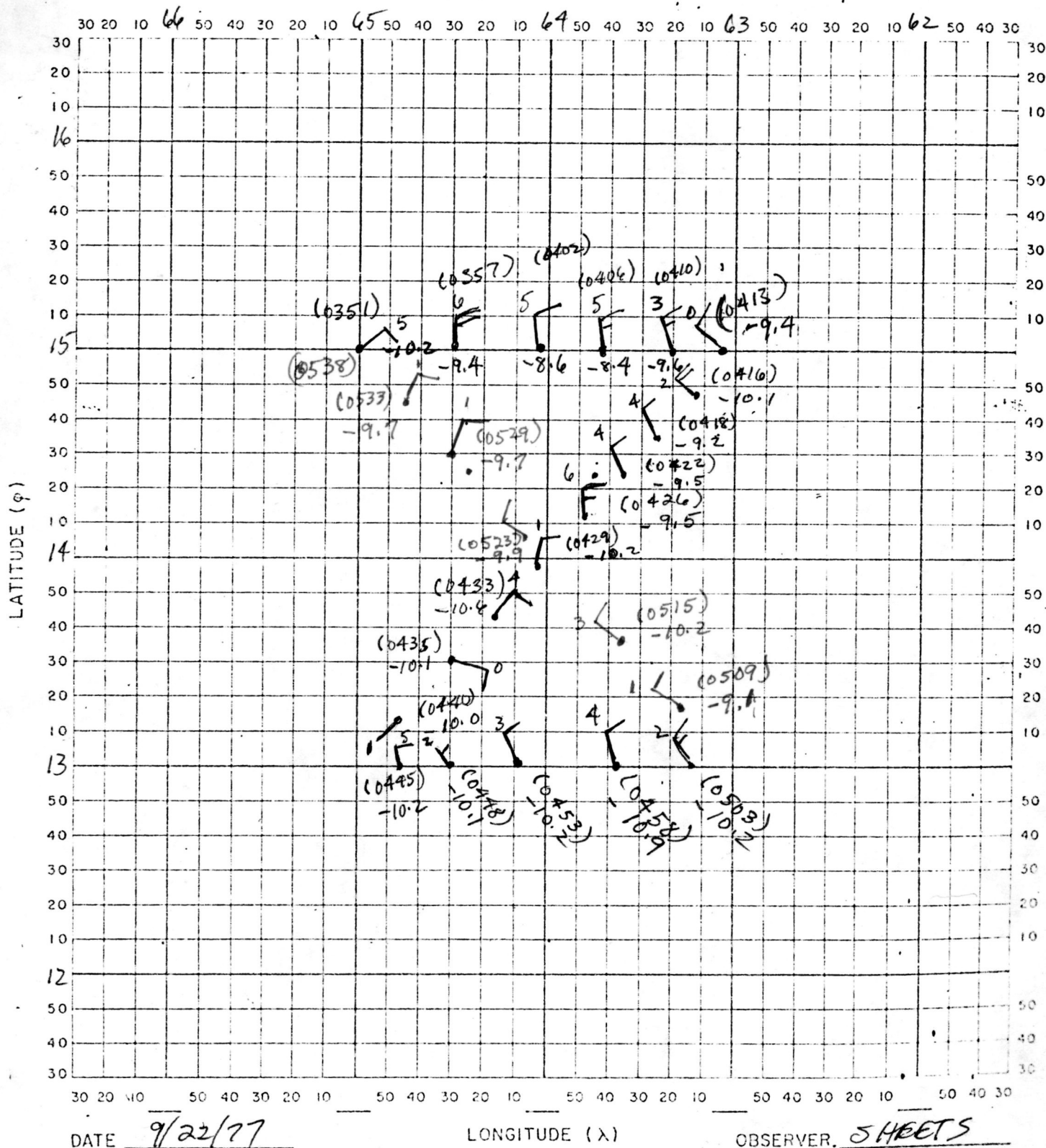
at 1,500 ft
10,000 ft
20,000 ft

F. Actual Flight Patterns



42RF
770922H

HURRICANE RECCO PLOTTING CHART

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

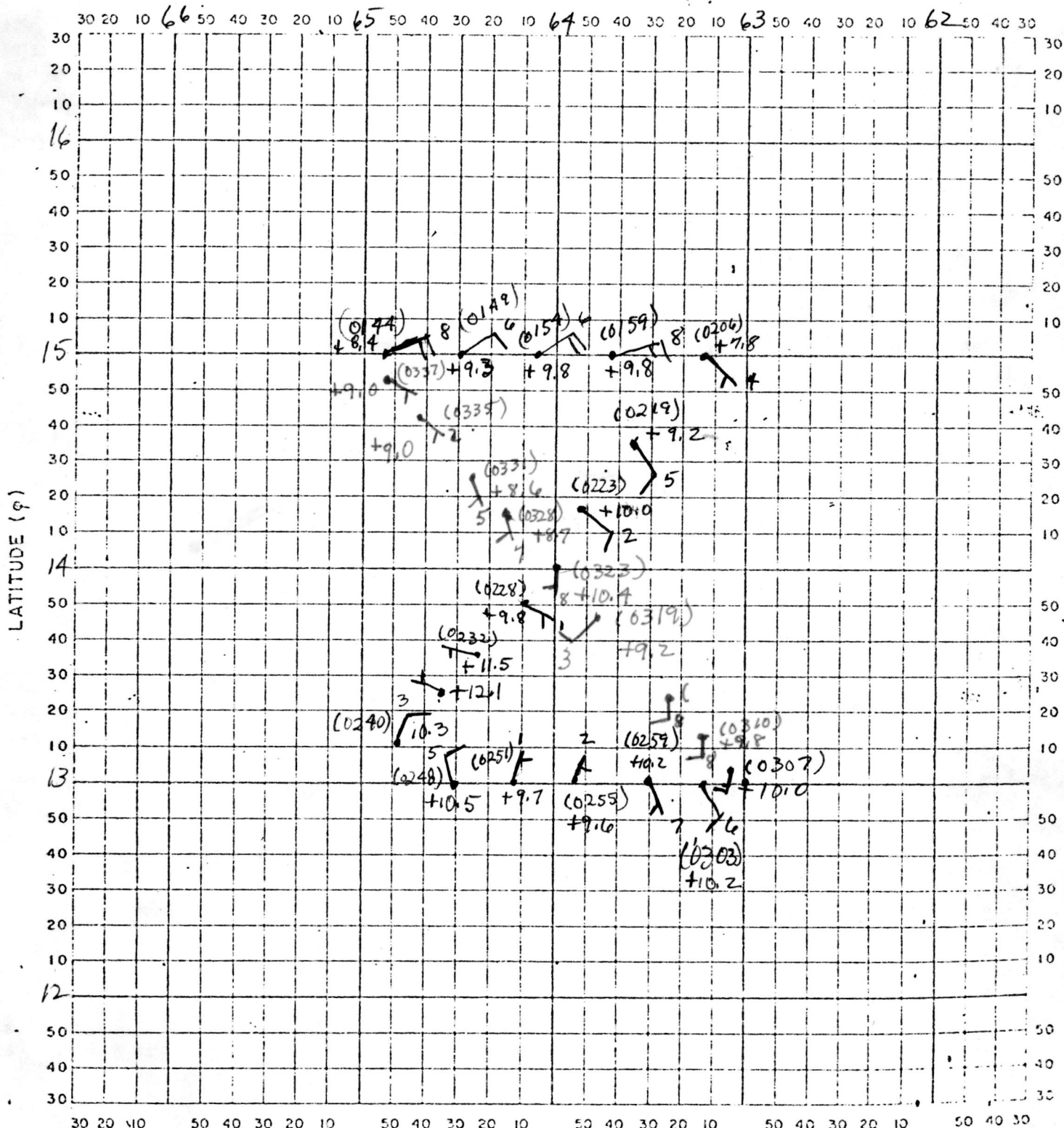
[illegible]

SEEDING

[illegible]

770921H

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ DATE 9/22/77LONGITUDE (λ)OBSERVER. SHEETS

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

10,000 ft

42RF

770921H

7200

HURRICANE RECCO PLOTTING CHART

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