

Appendix J

Operational Checklists

FORM J-1

On-board Lead Project Scientist Checklist

DATE 9/1/78AIRCRAFT 492FLT 780901 J

A. Participants

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

Time Off 1702 ZLocation Keesler

Time On

Location

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP

C. Mission Briefing

Recon. mission into ELLA.

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	_____	_____	_____	_____
Radar	_____	_____	_____	_____
Cloud Physics	_____	_____	_____	_____
Data Sys	_____	_____	_____	_____
Omega Sondes	_____	_____	_____	_____
AXBT	_____	_____	_____	_____
Gust Probe	_____	_____	_____	_____
Hot Film	_____	_____	_____	_____
Photography	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

REMARKS

AWRS System not functioning properly at take off.
 AWRS " seems .O.K. at ~1720.

NO ALTITUDE

1st Tape Deck probable hardware problem -
 rewinds and begins again unexpectedly in
 middle of tape. Difficulty in getting drives
 to work.

Radar Camera inoperative 2150 or earlier

E. Proposed Flight Patterns

As in Op - Plan

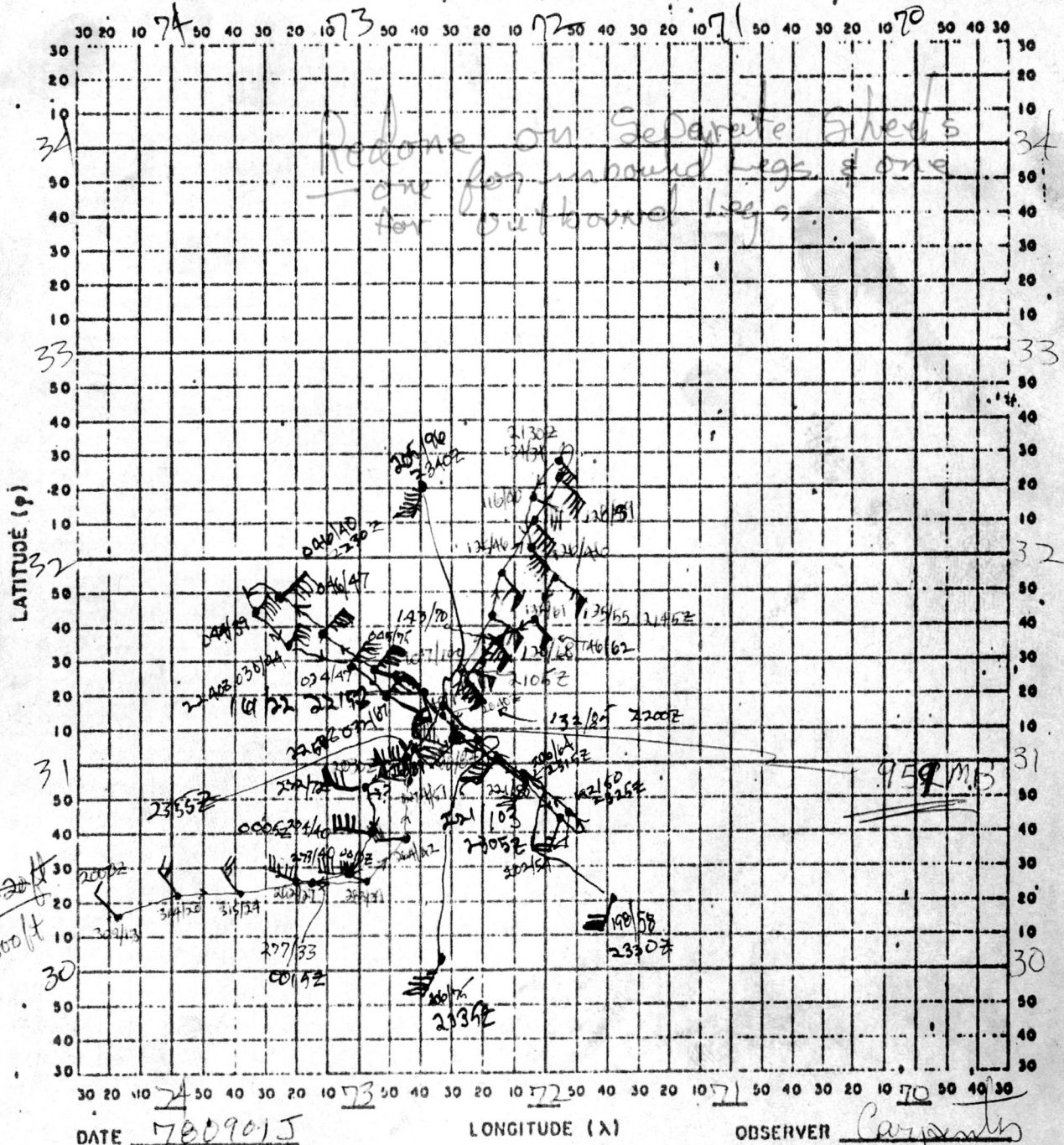
F. Actual Flight Patterns

D/MO

Bob 5 (30) 238-6286 main

HURRICANE RECCO PLOTTING CHART

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

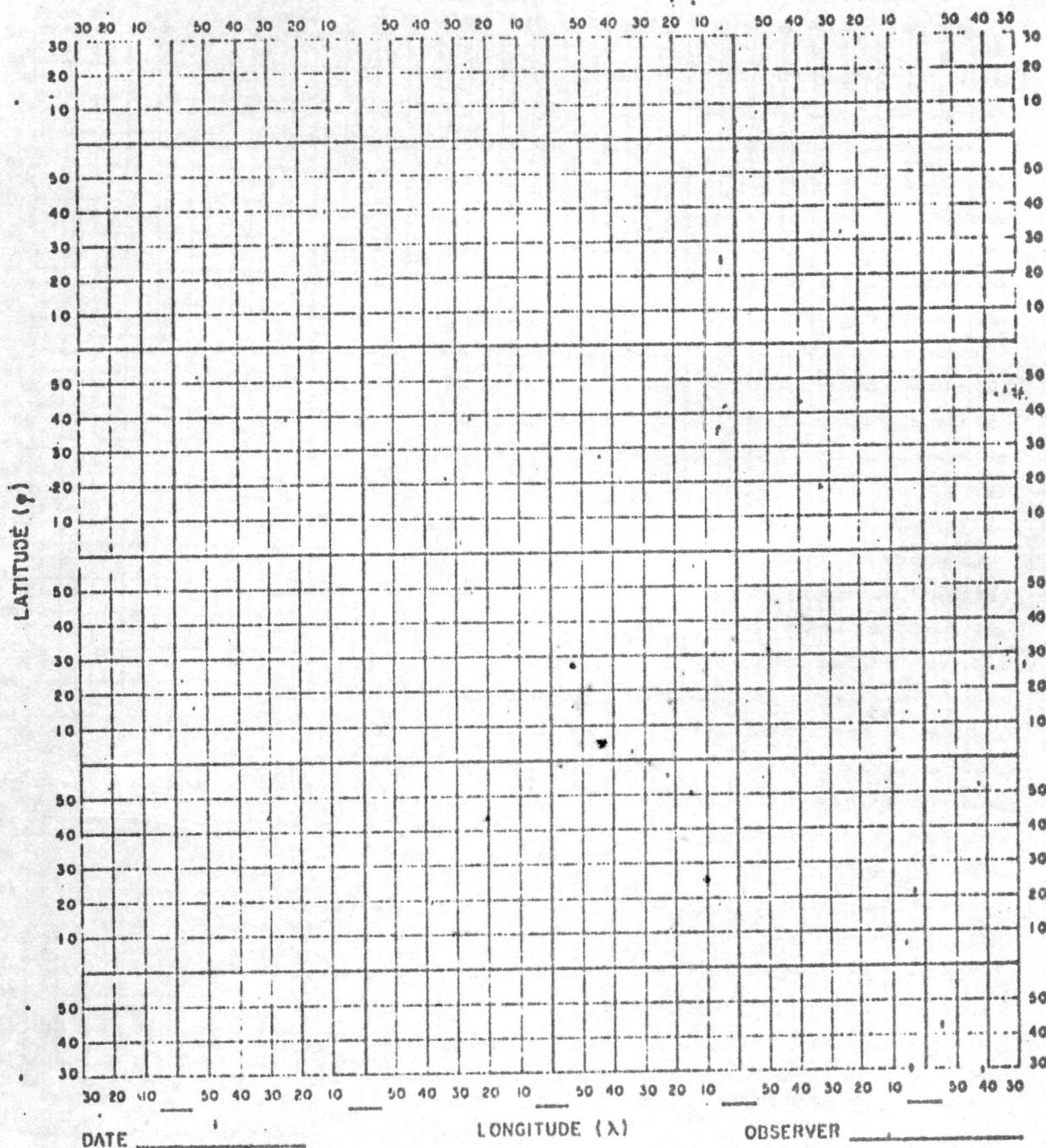


NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

- 5 min intervals
- ① in eye 2037-2100 max wind in inward leg = 102 (2036)
- ② in eye 2203 31°16' 72°34' Wind out again 2215-2217 max 420
- ③ in eye 2256 31°15' 72°36' ④ eye 2341 31°19' 72°40'
- end of pattern 0014Z 30°23' 73°18'

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

INBOUND LEGS

780901 J

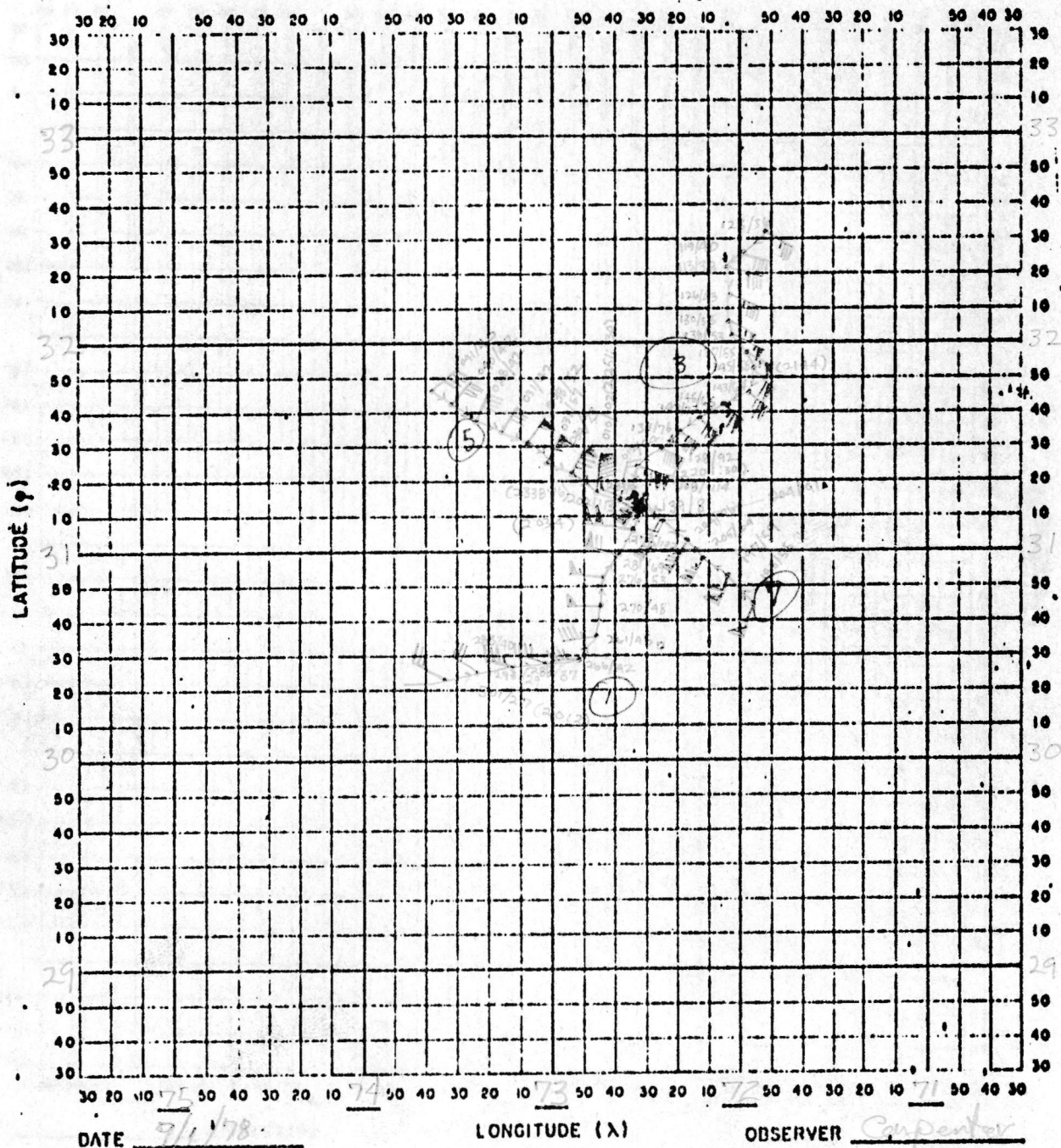
ELLA

(from AWS Printout)

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HURRICANE RECCO PLOTTING CHART

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

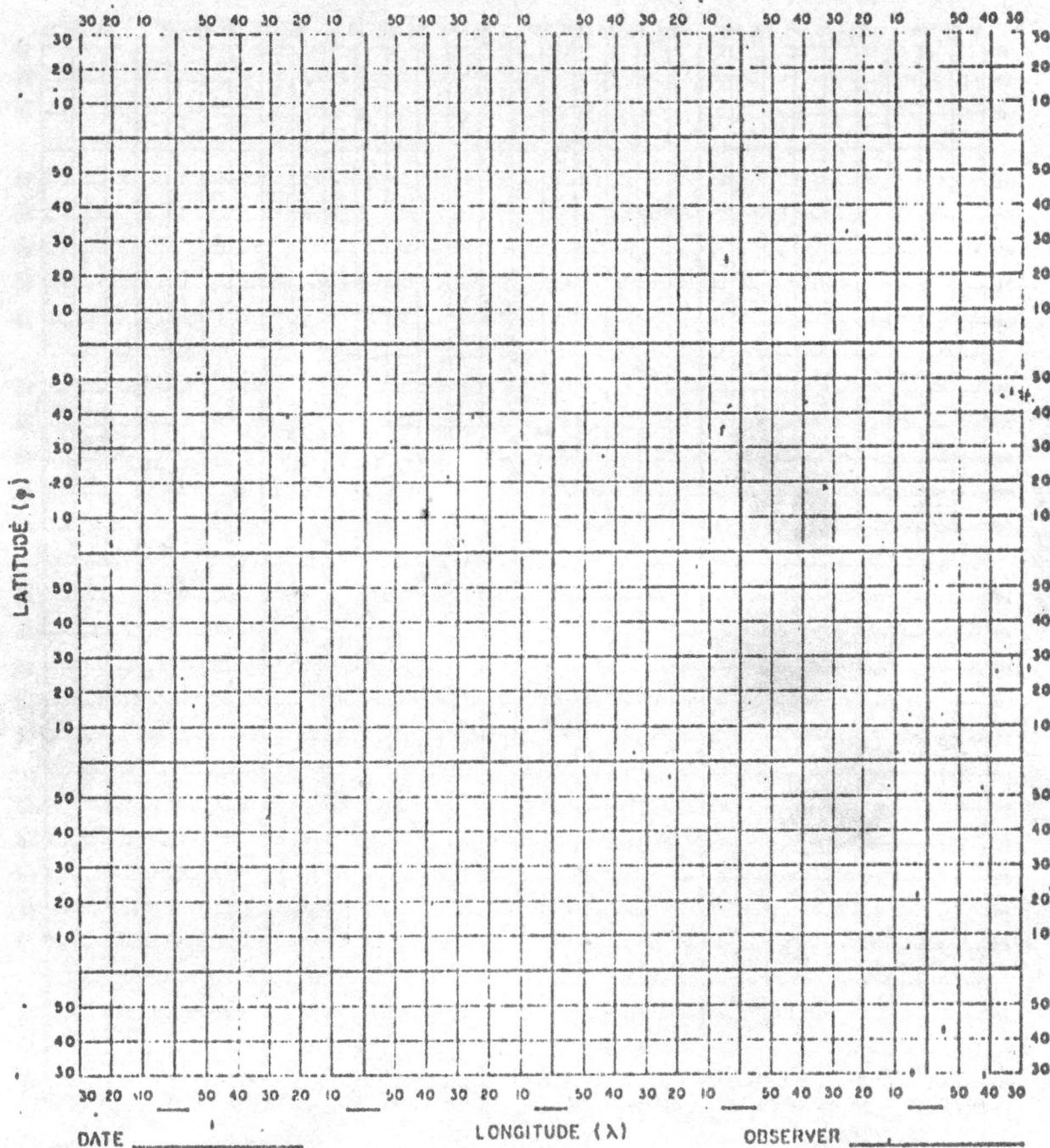


NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

2 1/2 min. Resolution

HURRICANE RECCO PLOTTING CHART

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

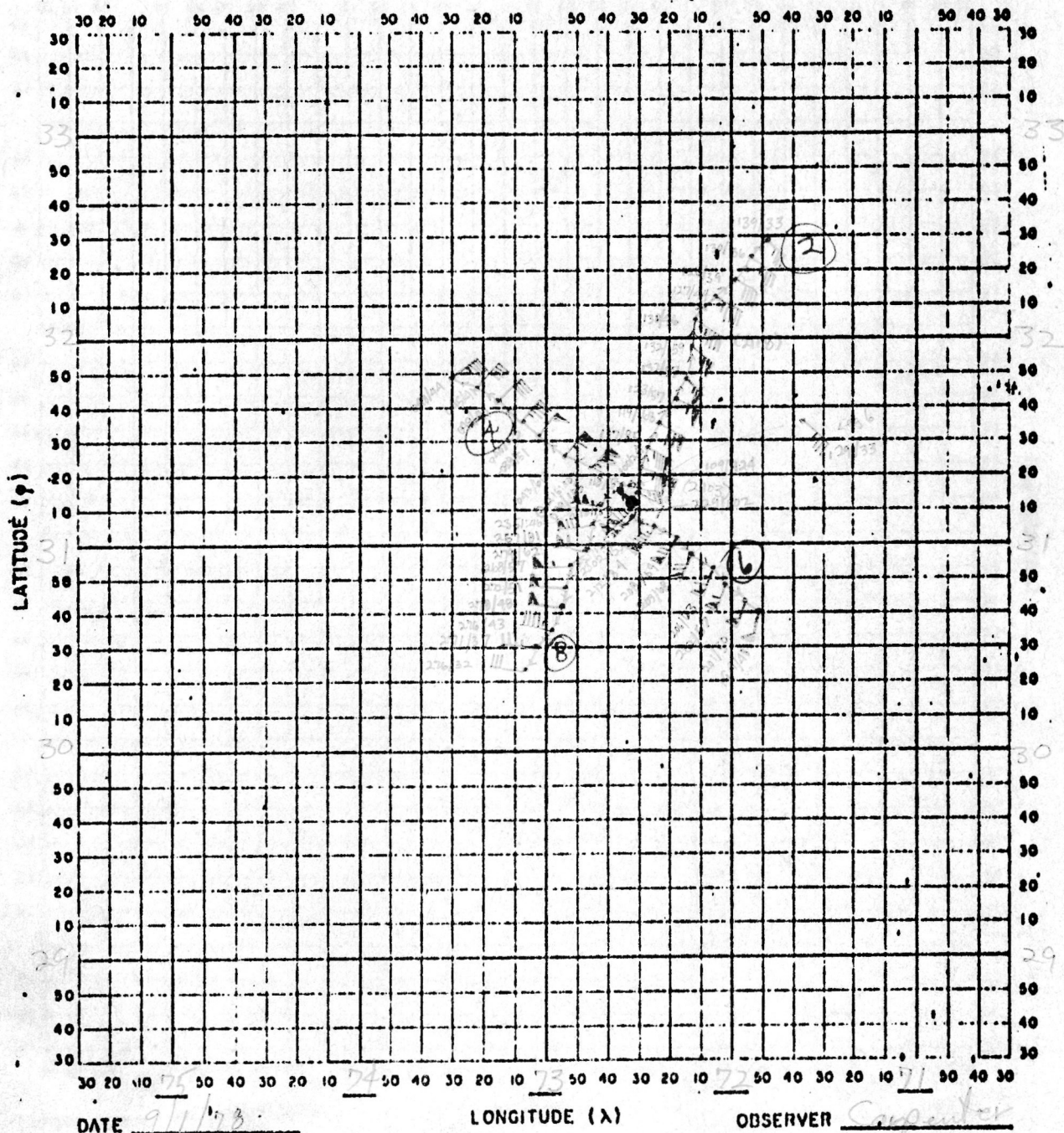


NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

OUTBOUND LEGS
780901 J
ELLA
(From AURS Printout)

HURRICANE RECCO PLOTTING CHART

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



DATE 9/1/73

LONGITUDE (λ)

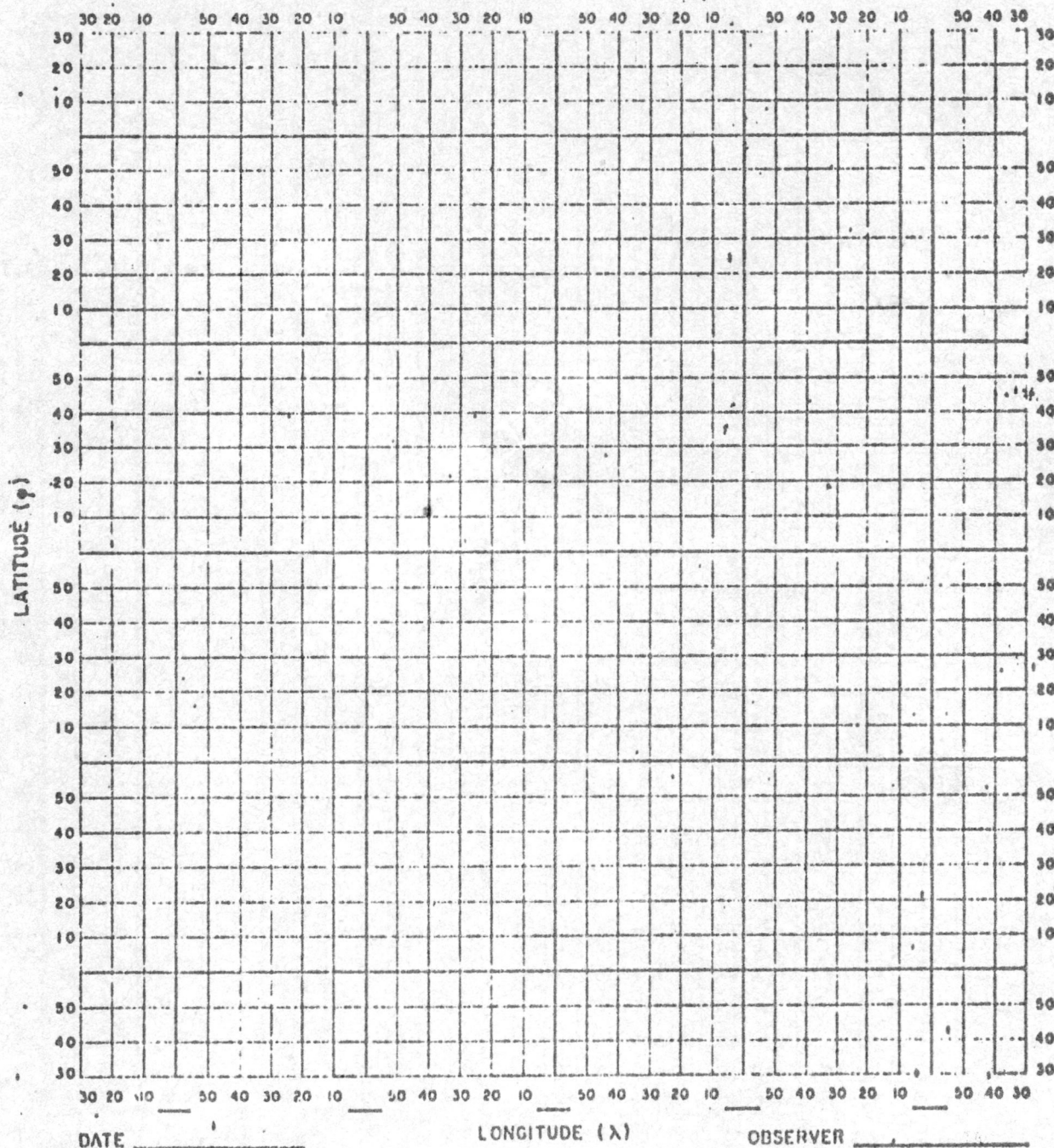
OBSERVER Carpenter

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

2 1/2 min Resolution

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

SCR 718 Absolute Altitude Readings

[Uncorrected readings without regard to PA]

SW QUAD	2010Z	4630 FT
	2012	4610
	2013	4600
	2016	4610
	2018	4600
	2020	4600
	2023	4580
	2026	4500
	2028	4420
	2030	4310
	2033	4020
	2037	3030
	2039	3020

NE QUAD	2104	3750
	2110	4400
	2118	4580
	2120	4600
	2121	4610
	2136	4610
	2150	4540
	2154	3920
	2159	4100
	2201	3080

NW QUAD	2223	4400
	2231	4550
	2236	4580
	2240	4500
	2244	4450
	2255	3030

2304Z	3650 FT	SE QUAD
2307Z	4100	
2309Z	4280	
2312Z	4400	
2319	4550	
2321	4590	
2325	4600	
2328	4570	
2333	4420	
2344	3100	
2356	4180	
0002	4440	
0005	4500	
0008	4570	
0020	4650	

AF 492 0506 ELCA

TAPE START 1800Z Est TAPE END 2200Z

TAPE START _____ Est TAPE END _____

NEXT
OB

COMP, I (5) COMP, S (3) MODE, VX TAPE CHECK

NEXT
OB

COMP, I (5) COMP, S (3) MODE, VX TAPE CHECK

0-15 CAM
F8

TESTED AT 1825Z APPROX 15 FRAMES
THRU OFF TILL COAST OUT

Note

EPAR. 1.550 M Sys IN CASE
OFF KEY BOARD FAIL

APN-42 FAILED AFTER TAKEOFF
∴ GEOSPANTAL DATA NO GOOD / UN-AVAIL

0-15
CAM
F8

ON AT 1847Z SET 1 EVERY 12
SCANS (ADVANCING GRAD)

OFF 1923

1937Z FOUND TAPE DR ONE ROWING
ITSELF GOING TO SWITCH TO 2
UNABLE TO SWITCH!!

0-15
CAM
F8

1940Z ON 1/12 FRAMES

1957Z TAPE 1 RAN FORWARD TO
1900' & RE STARTED

PT
1
PT
2

2010 MODE, VX STARTED

2029 PULLED GRAD RPT

PT
2
PT3
PT2

2100 MODE VX STARTED

2129 PULLED GRAD RPT 80 OUT
" ENTERED MODE VX

2208

0-15
CAM

2151 DISCOVERED NO LONGER
ADVANCING

PT2

2213 MODE VX IN

PT4

2232 PULL GRAD RPT 60 Miles

"

2233 ENTER MODE VX

PT2

2253 PULL GRAD

2255 ENTER MODE VX

0-15

2237 TURNED OFF CAMERA

PT5

2322 PULL GRAD

2323 ENTER MODE VX

PT2

2344 PULL GRAD

" ENTER MODE VX

PT1

0010 PULL GRAD DATA Term Track

0124 TAPE TERMINATED