

SEP 24 1984

Flight # 19840924 I 1 - RADAR
A. C. # 43 RF
Operator Dodge
Radar Tech. Goldstein, Schriker

Number of digital magnetic tapes on board 14 in Bin, 10 in Box
Number of video tapes on board 3
Number of tape labels on board lots

Component systems up and checked:

RDSC ✓
Computer ✓
DMTR1 ✓
DMTR2 ✓

VTR ✓
DSC1 ✓
DSC2 ✓
Scopes ✓

NO ✓
LF ✓
TA ✓

Time correction between radar time and digital time

(1 sec slow on WWV)

radar ~ 1 sec fast of sys. time

~~2 sec fast on WWV~~

Radar Postflight Summary

Number of digital tapes used DMTR 1 7
DMTR 2 6

Number of video tapes used 2

Significant recorder down time (other than for tape changes):

DMTR: LF ✓
NO ✓
TA ✓

VTR: LF ✓
NO ✓
TA ✓

Other problems: (stabilization, interference, etc.)

none

FLIGHT 840924I1

AIRCRAFT 43

OPERATOR Dodge

SHEET 1 OF

[illegible]

SEP 24 1984

HRD RADAR LOG

OPERATOR Dodge

SHEET 1 OF

RADAR DOWN-TIME LOG

<u>ITEM</u>	<u>TIME DOWN</u>	<u>TIME UP</u>	<u>PROBLEM</u>
<i>none</i>			

ITEM LIST: VTR, DMTRI, DMTR2, COMP, ROSC, LF, NO, TA, DSCI, DSC2

Cloud Physics Project Scientist Operational Checklist

DATE 09/24/84
A.

AIRCRAFT N43RF

FLIGHT 840924I

INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson-Williams					
Nimbliometer					
Lyman Alpha					
U. V.					
dewpoint					
Formvar					
Knollenberg	OK	OK	OK		
Raindrop	OK	OK	OK		
Cloud Droplet	bad	—	—		
FSSP	OK	OK	OK		
Data System	OK	OK	OK		
& Displays	OK	OK	OK		
Ice Particle Counter					
Mee					
ERT					
CO ₂ Radiometer					
Microwave Radiometer					
Aerosol					
Filters					
Bulk-Water					
INC					
CCN					

B.

REMARKS

PMS - FORMVAR LOG

DATE 09/24/84 FLIGHT ~~840924~~ ⁸⁴⁰⁹²⁴ PAGE 1 OF 2

CLOUD PHYSICS OPERATOR Griffin

243050

KNOLLENBERG		FORMVAR		
TAPE #	AND EOF TIMES	ROLL #	TIME ON	OFF
1	250939			FRAME COUNT AT START
2	252706			
3	253929			
4	255327			
5	260947			
6	262126			
7	264933			
8	270545			
9	271827			
10	273051			
11	274635			
12	275707			
13	280852			
14	282723			
15	284749			
16	285732			
17	291603			

NOTES

The cloud probe is off. 20 clock "AUTO" not working running on manual. AI says true Airspeed reads "0" problem with CPU 1 or A/D channel. Looks like A/D. 2448Z at about 2523Z put percentage to 69.58

Near the end of the flight, noticed that a row of dots seemed to be out an inordinate amount. May be it's not a problem though cause it wasn't all the time.

PMS - FORMUAR LOG

DATE 09/24/84 FLIGHT 840924TPAGE 2 OF 2

CLOUD PHYSICS

OPERATOR

Griffin

KNOLLENBERG

FORMULAR

Tape # AND EOF TIMES

ROLL #

TIME ON

OFF

FRAME COUNT
AT START

18

292810

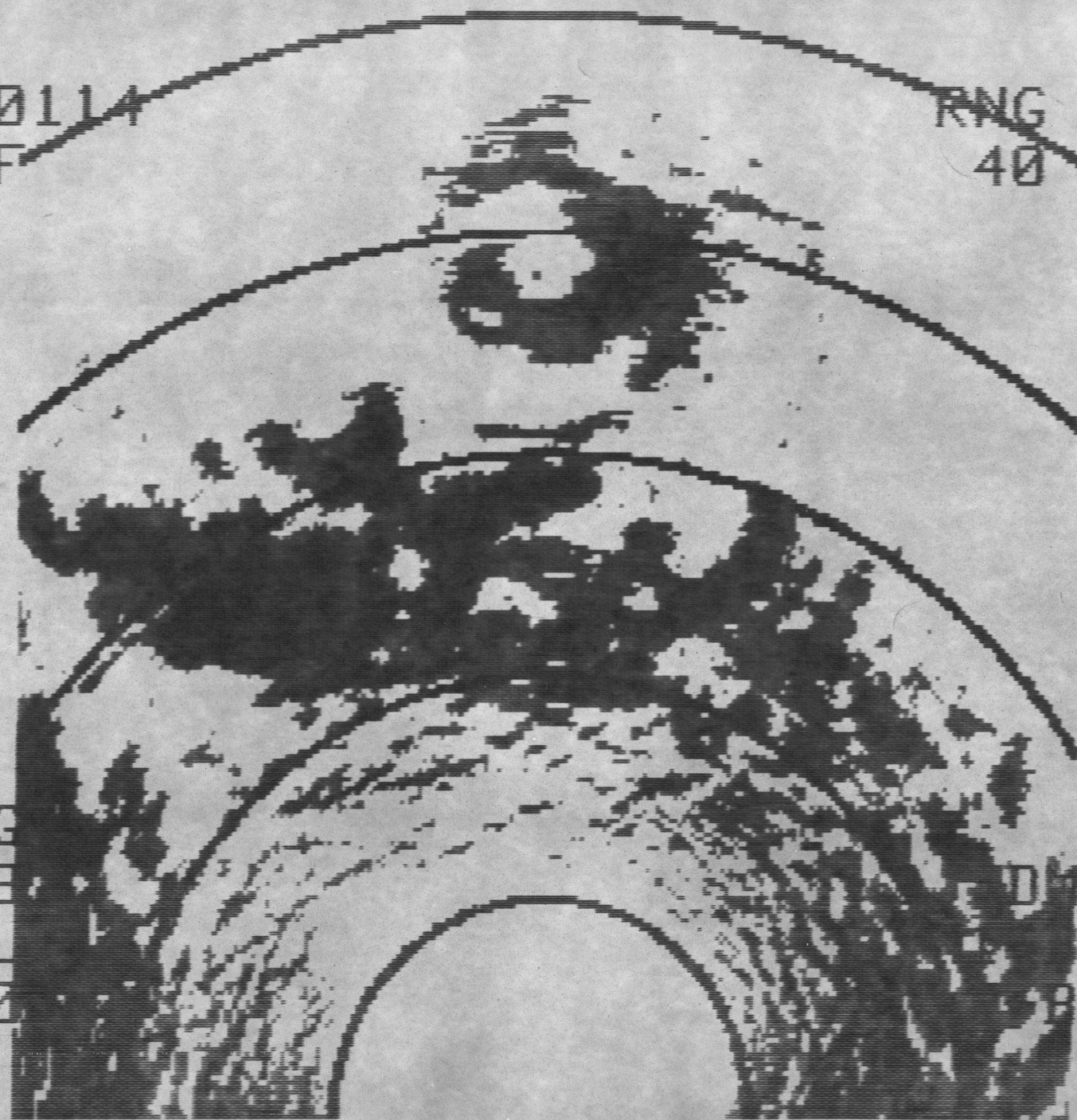
NOTES

000114
L/F

RNG MK
40 MI

HDG
149
TIL
0

DMTR
OT
BOT



000100

L/F

RNG MK

40 MI

HDG

145

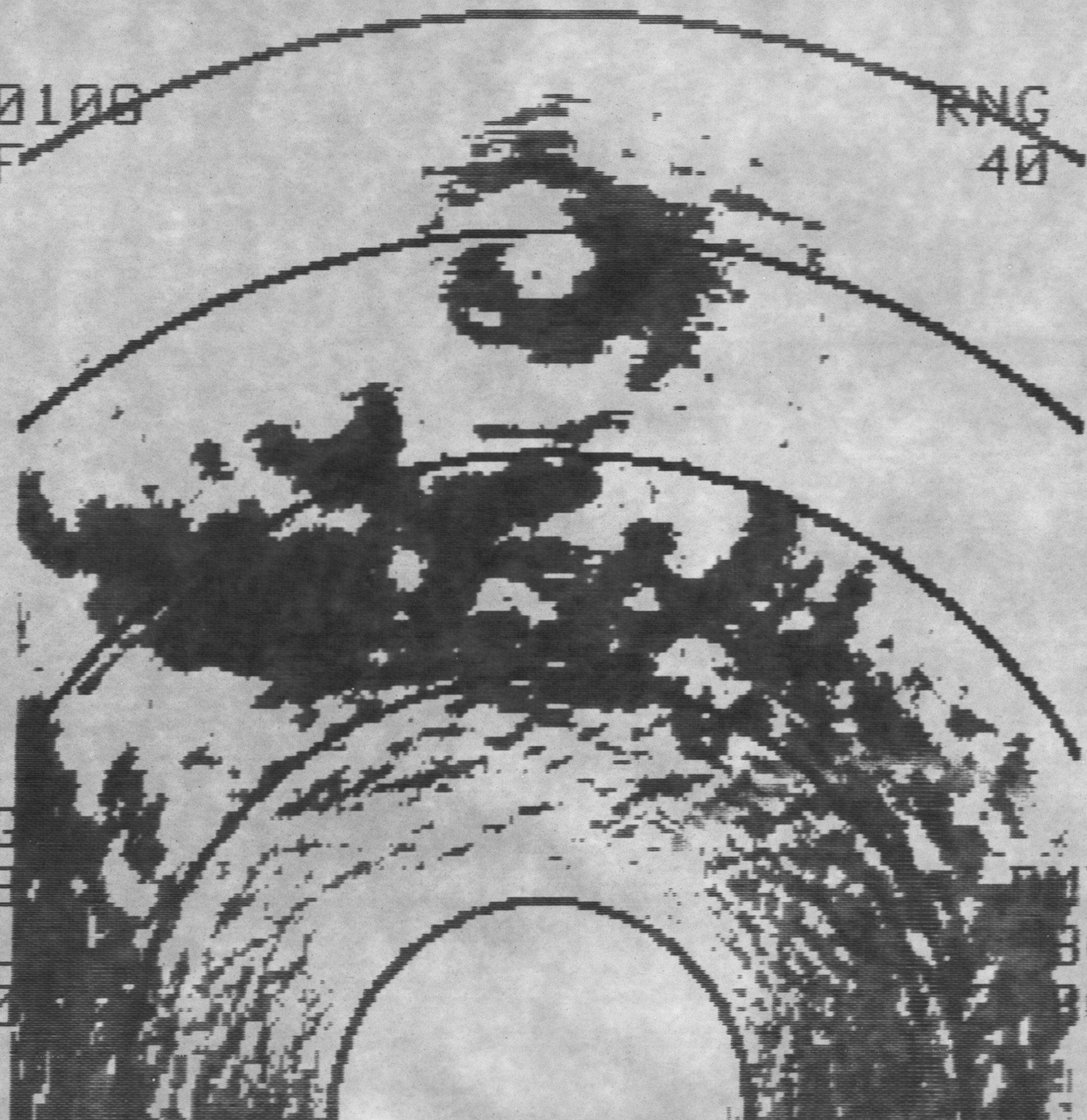
TIL

0

ENTR

BOT

BOT



Cld Phys - 18

Doppler - 11

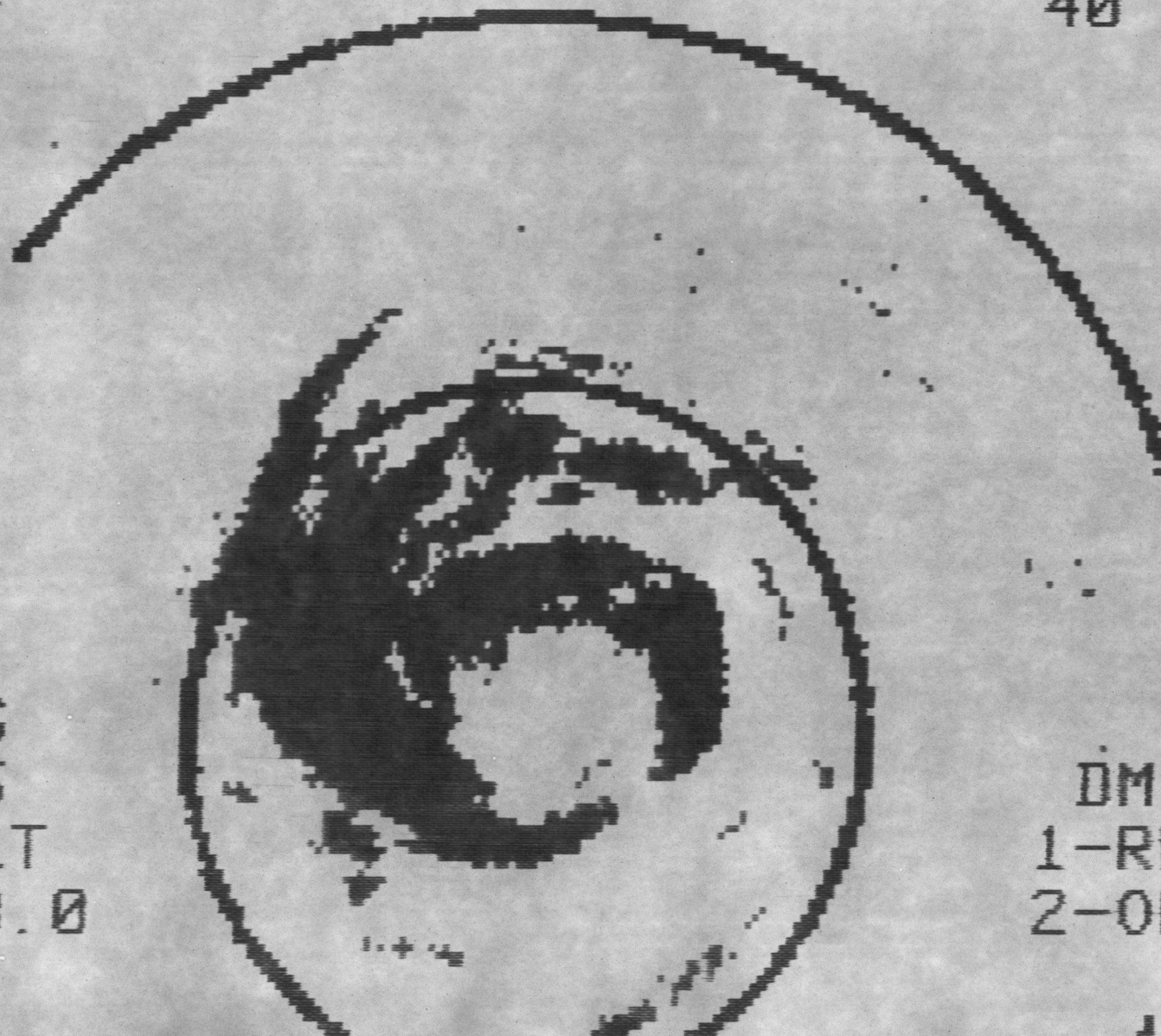
Radar - 13

025227
L/F

RNG MK
40 MI

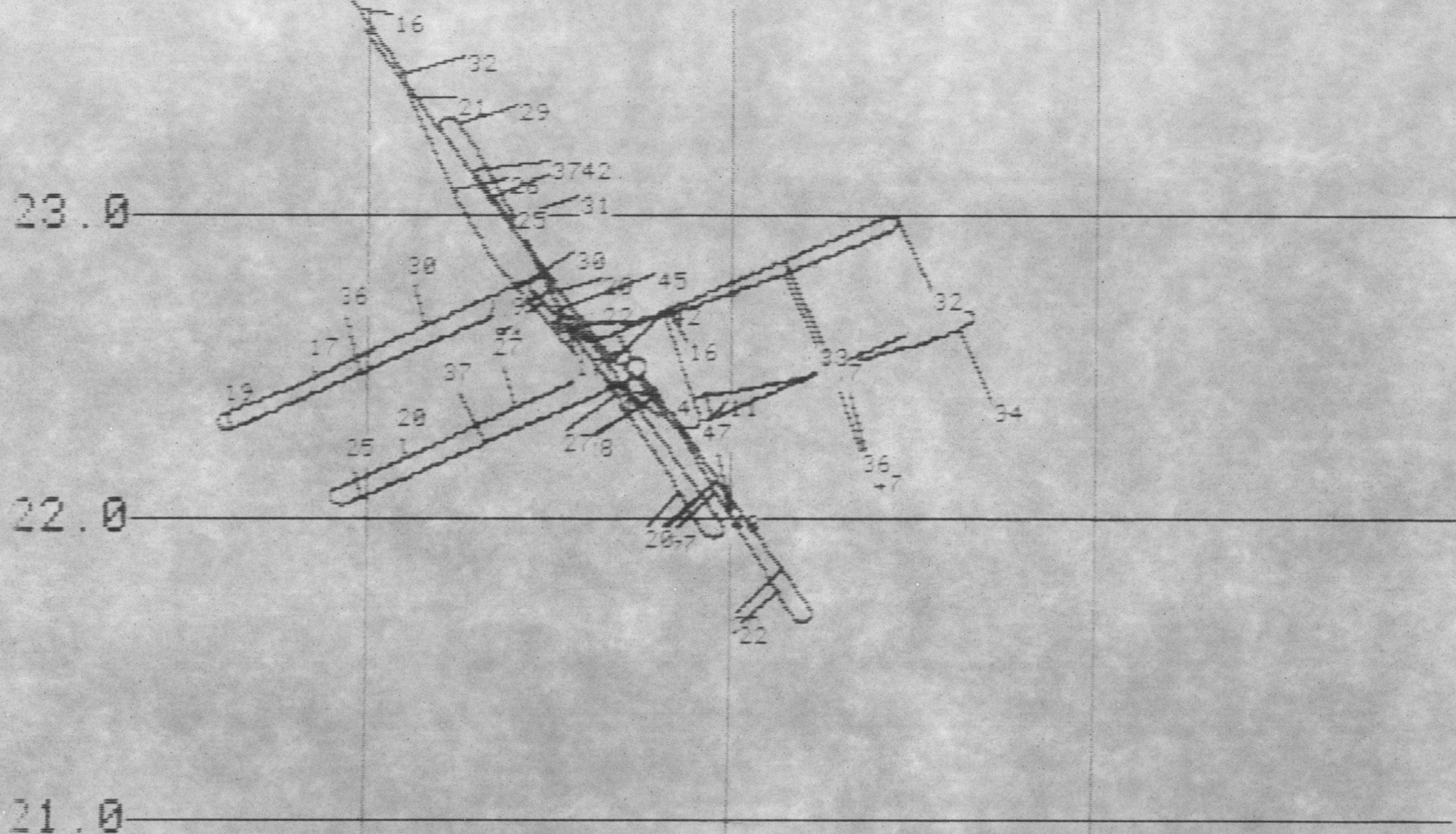
HDG
255
TILT
3.0

DMTR
1-REC
2-OFF



end pattern 2

22:28: 1 840924 ¹¹² OAO FTRK 4: 3:17



Pattern #1

22:23: 1 840924 112 OAO FTRK 2:11:35

