

SEP 1 1984

Flight # 19840901H1-RADAR
A. C. # 42
Operator Kohler Dorst Dodge
Radar Tech. Jarvi, Barle S

Number of digital magnetic tapes on board 15

Number of video tapes on board 43

Number of tape labels on board enough

Component systems up and checked: rept recording 1 scan in # 2

RDSC ✓

VTR ✓

Computer ✓

DSC1 at Flight Dir Stn

DMTR1 ✓

DSC2 ✓

DMTR2 ✓

Scopes —

NO —

LF ✓

TA ✓

recorded only as needed - otherwise will not be recorded this flight

Time correction between radar time and digital time + 2 sec

Radar Postflight Summary

Number of digital tapes used DMTR 1 2

DMTR 2 2

Number of video tapes used 2

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

DMTR: LF 1320-1347, 1505-1539
NO ×
TA not recorded

VTR: LF —
NO —
TA —

Other problems: (stabilization, interference, etc.)

HRD RADAR TAPE LOG

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FLIGHT 840901H1 AIRCRAFT 42 OPERATOR Kohler, Dorst, Dodge SHEET 1 OF

[illegible]

HRD RADAR LOG

SEP 1 1984

OPERATOR _____

SHEET _____ OF _____

RADAR DOWN-TIME LOG

<u>ITEM</u>	<u>TIME DOWN</u>	<u>TIME UP</u>	<u>PROBLEM</u>
RDSC	1320	1347	No prob. Stopped recording to save tape, will start again when HW gives the word.
RDSC computer (000)	1505 1505-1510		same situation as above problems w/ OTC computer - fixed by restart

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

840901H1

going to look at TD Arthur -

only recording every 4th sweep

so tapes not changed every $\frac{1}{2}$ hr even.
record every 2nd or 3rd sweep - program would do
every 4th sweep. Record LF radar
only except if something interesting
appears - then take tail radar out of stby

Began recording "on spec" at 1146 (VTR) and
1147 (DIT1). LF only (Tail on stby)

Step thru channels 1159

(190)

~1200 Jack - 500 surface ^{wind} 20 Kts 120459 24 Kts at 100
Tail on stby DIT1 lost 29 min - is that
right

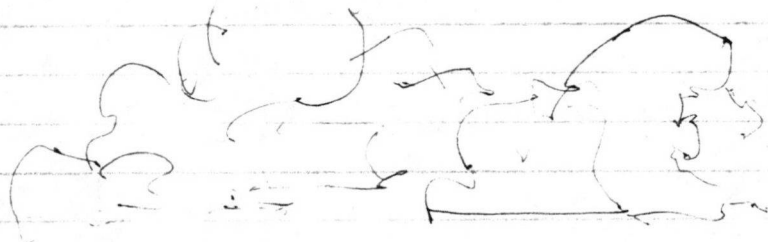
Had to deselect LF to stop it from recording -

Bob Berkes said he would check with
Al Goldstein (who modified the program) about
when tail is recorded - whether it records
every time it is selected or only when
it is sweeping

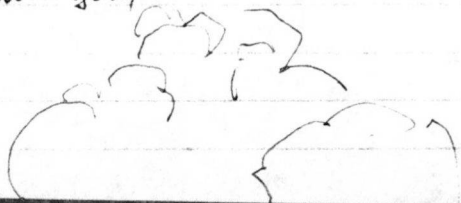
122753 ~~to~~ 17°60'W probably
center of max. ennu

1232 stroll thru VCR images (#573)

1238 heading 180° at ~~128~~ 431m flight
level through puffy ci. HW noted
that cloud base went down to ~500' near
center; now cloud base has come
back up quite a bit - but still
below our flight level. Wind 6.7 ms⁻¹, 247°



maritime cu to you, too



1249 - 2nd tape still recording (~33 min so far)
so turning off TA's on RTSC evidently
worked (→ 1st tape has lots of zero's for TA's!)
we're at 440 m - now below cloud base
still heading south

1307 stepping thru images (VCR #823)

1307 HDG 60° NE to get set to fly
NW leg back into center of
TB* arthur

* Tropical Blues
a mild form of
Tropical Depression,
more "severe" than
Tropical Dents or Dimples.
Glossary of Met,
1984 rev. ed.

1330Z STEP THRU VCR (CNR #1055)

1347Z RESTARTED RECORDING DIGITAL
RADAR

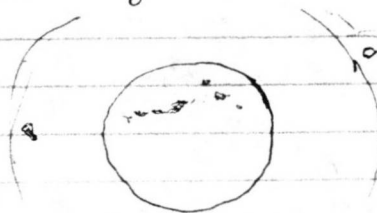
1400Z VCR STEP THROUGH (#1263)

P. DODGE FINALLY WINS A CHESS GAME
ONLY ECHOS TO STARBOARD



1433 walk thru TV images VCR #1463

1436 approaching a line of showers
(Hdg 314°)



1443 - flew through
had hardly even
a bump

walk it thru 1504 Z (1636)
1505 stop recording until next leg
will begin DZTZ

No wonder Guinevere looked elsewhere

1728 step thru for VTR (1767)

VTR 1 off 153008

VTR 2 on 153145

1734 step thru VCR (36)

resumed recording at 153920 DZTZ

(HEW said it looked "interesting")

step thru VTR 1559 (368)

1608 - turned to head 237° back towards
the "center" ... nice cell to our left at
~20 nmi and some scattered echoes
ahead.

1616: showers just ahead, and in gentle
arc to our right

Hdg 232°



1633 step thru images (VCR #709)

CYCLED THRU TWICE SINCE GRAPHICS

missed first time thru.

1658: Tape off, stopped recording
data... heading back to ST

1702 step thru images (VCR #954)

1730 Z STEP THRU (VCR #1160)

1812 Z STEP THRU (VCR #1430)

1839 Z STEP THRU (VCR #1600)

VCR OFF 1841Z