

SEP 2 1984

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Radar Scientist Checklist

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Flight # 1840902 H 1 - RADAR
A. C. # 42
Operator Dorst, Kohler, Dodge
Radar Tech. Jarvi, Berles

Number of digital magnetic tapes on board 11

Number of video tapes on board 1

Number of tape labels on board enough

Component systems up and checked:

RDSC ✓

VTR ✓

Computer ✓

DSC1 ✓

DMTR1 ✓

DSC2 ✓

DMTR2 ✓

Scopes

NO

LF ✓

TA ✓

Time correction between radar time and digital time +15

Radar Postflight Summary

Number of digital tapes used DMTR 1 3

DMTR 2 2

Number of video tapes used 1

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

DMTR: LF see log

VTR: LF see log

NO X

NO X

TA not recorded

TA not rec

Other problems: (stabilization, interference, etc.)

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FLIGHT 84090241

AIRCRAFT 42

OPERATOR *Dorst, Dodge, Keller* SHEET OF

[illegible]

840902H1

Sept 2: going out to fly through Tropical Blues
Arturo again. As we did yesterday, today
only LF $\frac{1}{2}$ ^{every other sweep} will be recorded (unless we fly
through something interesting. We only
have 1 VCR tape - so won't start it until we
get to area of "interest" - also may stop
recording when we are in long legs away
from ACTION.

fix made at 1155 at 1010 mb - good wind shift
to west immediately afterward

61°06'W
18°04'N

Step thru VCR at 1159

(250)

1228 heading South from Art under blue skies - only that is intensifying is the boredom so let's

1239 stroll thru images for future generations (VCR # 586)

1234 - turning to 070°



1241 looks like some decent echoes at 0° (true) 60 nmi, and 100 nmi

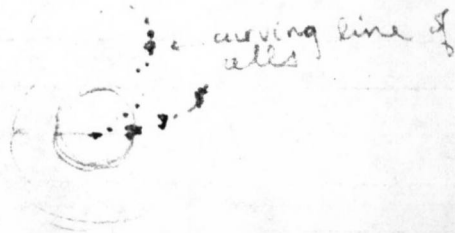
visually can see some arrivals in that direction



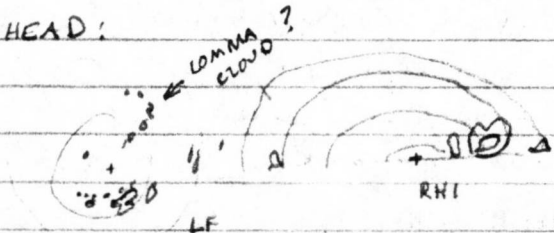
1252: some level 3 at 60° nmi, $\sim 0^\circ$

1301 stroll thru VCR # 863 ... as we head for a cell

1306 hdg 282° flying through line of showers



1311Z THROUGH ONE AREA OF SHOWERS, A FEW STILL AHEAD:



1320Z FOUND AN ALMOST WELL DEFINED CENTER

1330Z STEP THRU (CNTR VCR # 1070)

1333Z PENETRATING "EYE WALL"

TAIL



LF



1403Z step thru: VCR # 1298

now heading 269° , convection ~ 30 nmi south of us

1416 - PAUSE on VCR (#1372)

will turn back on when we cross 19° on inbound leg.

1419 echoes in SW quad. - not too exciting



1424: swung around to 144° headed back to el centro del Arturo .. some echoes 80 nmi ahead.

1431: ft level 291 m.

WD $\approx 12 \text{ ms}^{-1}$ 62° at 19.58°N , 61.83°W

143940 VCR BACK ON (#1372)

stepping thru

1451 20 miles from the center

1500 step thru VCR (1492) #1574

pause VCR at 1509

flying among islands

Nevis on left ^{BIG} Antigua to right

1549 now heading 30° 24°

will turn VCR on when we cross

$\sim 17^\circ$ (no wait a bit longer)

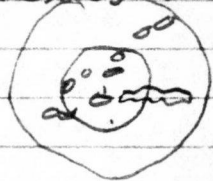
1618 now heading 341°

1621 VCR BACK ON (1574)

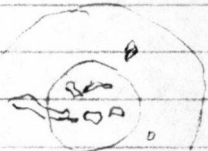
... step thru

1700 STEP THRU (#1794)

RAIN BANDS AHOY!



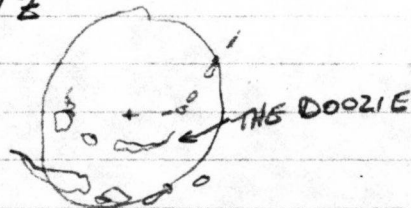
1714 wdy 210°



lots of showers all around

1717Z THAT LAST RAINBAND HAD A KICK TO IT! ALMOST LIKE THE REAL THING.

1720Z



1727Z VTR off CNTR #1873 SOME TIME BEFORE NOW.

1804Z START CLIMB OUT OF LAST LEG, HEAD FOR HOME.