

Radar Scientist Checklist

Flight # 19840726 I L RADAR
A. C. # 43RF
Operator Mark Dodge
Radar Tech. Goldstein

Number of digital magnetic tapes on board > 20

Number of video tapes on board > 4

Number of tape labels on board > 100

Component systems up and checked:

RDSC ✓

VTR X

Computer ✓

DSC1 ✓

DMTR1 ✓

DSC2 ✓

DMTR2 ✓

Scopes ✓

NO ✓

LF ✓

TA ✓

Time correction between radar time and digital time ~ 1s

Radar Postflight Summary

Number of digital tapes used DMTR 1 3

DMTR 2 2

Number of video tapes used none

Significant recorder down time (other than for tape changes): none

DMTR: LF ✓

VTR: LF None

NO ✓

NO ✓

TA ✓

TA ✓

Other problems: (stabilization, interference, etc.) Al Goldstein checked AFC on LF at 1857Z - it was out so switched to MFC (setting ~1424) with periodic adjustments thereafter. AFC may have been drifting on flight 840724I also.

JUL 26 1954

HRD RADAR TAPE LOG

SHEET / OF

0 (296
RGL hdong

FLT 840726I1 July 26 - 1984

OPERATOR Marks Dodge
SHEET 1 OF 1

HRD RADAR LOG

RADAR DOWN-TIME LOG

<u>ITEM</u>	<u>TIME DOWN</u>	<u>TIME UP</u>	<u>PROBLEM</u>
LF			1857- AFC seemed to drifting - Al Goldsbein checked - said AFC was KAPUT - so switched to MFC. This may have affected some of Tuesday's (840724I1) data also.

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

CNTR POSIT..

20/17142

~~7/11202~~

15.5 N

68.2 W

2244 heading 181° away from band to see what's happening down there.

July 26 84 2nd flight
three IDent ~~at~~ took off ~ 1715

1722 LF's looks cool as we fly over the island (Puerto Rico)

173016 holding 176° see some junk at 30°_{REL} , 120 nm

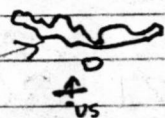
1714Z POS: $15.5N$ $68.2W$

some level 2 in band 70 nm 45°_{REL} (770 holding)
not rec. yet.

1800Z HPG 2250 band close now - started rec at 1755

band shaped:

all level 2



looks like squall line

1802 now seeing level 3 (STC OFF)

flying under Ci tail doesn't show much (STC ON)

1804 rain, bumps

1807 TAIL TRK 232°
LF HPG 225°

180743 thru band, see ocean,

1814 rain hldg 213 passing through band

1818 broke out some sun - calmer seas?

1822 searching for center of El Dent. (SP 1008 mb)

1832 heading 298° got 1006 mb, winds drop to 5 kts, 207°

1835 the center of the dent? got a wind shift
to 65° - 3 ^{KTS} _{cont}

center $15^\circ 38'$ $69^\circ 15'$ ~~$15.62N$ 69.29~~

change of plans - going to go back and do box around band

~1850 did some sectors^{LF}, hunting for band.
1852

1857 AFC out on LF, ALG. tuned up MFC
(may have affected Tuesday's)

1858 headed for band. ocean looks swells but not much breaking waves

1900 hldg 109

1902 bumps a bit... in the band. 1504 m, 814 mb
nice line of ~~training~~ cells at 20°_{TRUE} ~ 10-20 nm
wind 189° 17.6 KTS

1905 bumpier as we go through the line
"web" cloud

1907 now turning to flow fly along band
hldg 08° ocean state a lot more agitated

1913 heading 345° 810 mb 1507 m
stuff is to west of us.

1915 changed MFC/LF

1916 turning into band HPG 238

1919 into the band level 4 (STC OFF?)

1921 bumpettes and rain

1923 now gonna run south along west side of band

1924 hldg 159

1931 bldg cells at south end of SC

1937 rain bumps

"38 hldg 942° in band - looks to be other stuff

Ntrue

194345

hdy 327 → 320

flying parallel to band.

acti MFC

1950 heading 224 back into band and then
to hunt center

1958 off to hunt center

2027 - stopped recording.