

Doppler Radar Scientist Check List

Flight ID 95092541
Aircraft # 42
Operators Dodge
Radar Tech. Barr/Roles

Number of digital magnetic tapes on board 2 boxes of DATS = 10 DAT tapes

Number of tape labels on board • in DAT boxes

Component systems up and checked:

✓ USED INE 2!

MARS ✓ Computer _____

DMTR1 ✓ DMTR2 _____

LF ✓ R/T# 122

TA ✓ R/T# 201/102

RCVR

Time correction between radar time and digital time radar disp ~ 1 s ahead of data display

Radar Postflight Summary

Number of digital tapes used: ① DMTR1 _____

DMTR2 _____

Significant down time:

DMTR 1 X Radar LF none

DMTR 2 X Radar TA none

Other problems:

NO PROBLEMS.

19° - 120° S

SEP 25 1994

950925H1

Form E-5
Page 3 of 3

HRD Radar Down-Time Log

Operator Dodge

Sheet 1 of

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
	NO DOWN TIME!		

Item List: DMTR1, DMTR2, COMP, MARS, LF, TA.

SEP 25 1994

ANOTHER DAY, OF INNER-CORE
IN HURACAN OLIVIA

940925H1

LPS - Gamack Scott PBlack
Radar - Dodge ODW (listen) Burpee
Isotopes J. Lawrence Cloud Phys Roles
T 32.4 (RWAY!) To 23.4
17:32:30 TAKE OFF
T 29.4° at 140m

1856 radars on, look good,
not recording yet

191922 - started recording, to point
island 150 NMI SE of us (Socorro).

192056 - 192535 Sea Surface F/AST

1926 - we're under some stratiform
stuff - but not the CDO

1954 - start descent to 19,000'

1958 - eye ~ 150nm SW of us,
looks very small, maybe 15-20nm
diameter

2007 in first RB to NE. Looks
pretty stratiform, 63 KTS

940925H1 (2)

194819 F/AST on til we get to IP
2019 Looks we've cut 3 rb's
before

202024 F/AST off IP #1 3km alt

202720 19°19' 120°7' BT launch

2031 100 KTS outside eyewall

2032 Classical Amphitheater

blue sky above, Bob saw 125 kts
SP ~ 926 mb

2034 133 KTS S side

2037 18°40' 120°2.5' BT (2)

204545 F/AST ON, TRK 63°

2049 #3 will try ODW drop in eye

205330 F/AST off

2101 - 90 KTS

2102 - 100 KTS in ~~outer~~^{SE} rainband
about 40 KM

2104 128 KTS SE eyewall

2106 925.0 (924.5)

~~2107~~ 2107 128 KTS NW eyewall

(19°2.2' 120°5.6') - 2107 NAV FIX

2119 F/AST ON 19°31' 120°45'

212550 F/AST OFF

2132 sea surface looks good
PBlack speculating
on eyewall replacement
cycle...

940925H1 (3)

2137 118 KTS w eyewall

2138 19° 7' 120° 6'

123 KTS E eyewall

2143 90 KTS E rainband

214630 19° 3' 119° 27' (BT3)

214950 F/AST ON 19° 3' 119° 12'

215820 F/AST OFF ~19° 30' 119° 30'

2202 19° 24' 119° 46' (BT4)



114 KTS

50 KM

2208 We missed

center this time. Not

2206 sure why

2221 - turn

222155 F/AST on 18° 23' 120° 4'

2228 43 has 1/2 problem

223049 - F/AST off were subsiding
at 18° 13' 120° 1.5'

2238 we're headed back in track 340°

2243 RB at 18° 43' 120° 2' 66 KTS

WZ mostly down - 5 m/s.



940925H1 (4) OK

224920 19° 8' 120° 3' BT5

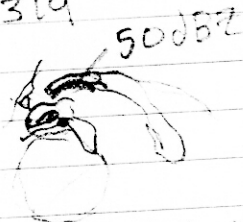
2352 - little graupel shower
N eyewall 129 KTS briefly

230140 F/AST ON 19° 53' 120° 37' TURN ST

230733 F/AST off 19° 43' 120° 35'

~~2318~~

2319 130 KTS



233030 F/AST ON 18° 35' 119° 19'

233720 F/AST off 19° 9' 119° 3'
we're headed to 269° for PASS # 7

~~2343~~

2347 126 KTS

2349 TAIL X-sec shows
elevated dBZ max N eyewall
SP ~ 930 mb

2352 C-Seat down

0000 - Turn for last W-E pass
~ 19° 17' 120° 45' (?)

940925H1 (5)

This last pass we will find center,
at J Garmuche's request.

0013 TOPS in N Eyewall ~ 13 km

0014 138 KTS E eyewall

0018 climbing out $19^{\circ}20'$ $119^{\circ}27'$

0026 FIAST as we climb out -
but set tilt to 11, because drift
of 10° so only good fast to right
of track (76°)

0045 tape stopped & Rewound.
J. Burr copied tape for JG.