

RADAR PREFLIGHT CHECKLIST

FLIGHT # 810912 #1 I

A.C. # NOAA 43

OPERATOR SOUKER / HOLLAND

RADAR TECH _____

NUMBER OF DIGITAL MAGNETIC TAPES ONBOARD > 10

NUMBER OF VIDEO TAPES ONBOARD 4

NUMBER OF TAPE LABELS ON BOARD Plenty

COMPONENT SYSTEMS UP AND CHECKED.

RDSC ✓
COMPUTER ✓
DMTR1 _____
DMTR2 _____

VTR ✓
DSC1 _____
DSC2 ✓
SCOPES ✓

NO ✓
LF x
TA x

Time correction between radar time and digital time low R-D

RADAR POSTFLIGHT SUMMARY

NUMBER OF DIGITAL TAPES USED DMTR 1 1
DMTR 2 1

NUMBER OF VIDEO TAPES USED 1

SIGNIFICANT RECORDER DOWN TIME (other than for tape changes).

DMTR: LF _____
NO 2 MINUTES AT 10.08
TA _____

VTR: LF _____
NO _____
TA _____

BOTH DOWN ONLY FOR POWER FAILURE AT 10.08Z

DOWN FOR 27 min STARTING AT 10:08

OTHER PROBLEMS: (stabilization, interference, etc.)

BUT GRAPHICS DOWN 12 MINUTES

9/12/81 810912I1

092
FIX 32° 55' 67° 50' W
992 m.b
W. MAX 55 KNOT

090425

TRACKING 30° AT FLIGHT LEVEL

moderate turbulence

max wind at $\approx 0.9^\circ$ secondary max at 1.5°
from beginning of wind speed display

091856 Turn to west 270°

?

093410 Begin INBOUND TURN TO SOUTHEAST ~~400~~ 135°

VTR COUNTER = 495

GRAPHICS SCAN CLEAR

INBOUND LEG MAX WIND 50 KNOTS

central pressure 993

(095000 light turbulence)

095600 graphics scan

VTR 700 OUTBOUND LEG WIND MAX 70 KNOTS

~~092500~~ 1008 Display and COMPUTER AND
TAPES DOWN.

TAPES BACK UP AT 10:10

SWITCH TO TAPE UNIT 2. GRAPHICS STILL OUT

graphics back up AT 10:20

BUT WIND & PRESSURE PROFILES LOST ON VTR

10 32 00 STARTING INBOUND TURN TO THE WEST

VTR RESTARTED AT 10:35 Z

VTR ^{WAS} DOWN DUE TO EARLIER (1008) POWER FAILURE

COMPUTER DOWN AT 10 38 44

BACK UP AT 10 40 30

INBOUND MAX WINDS 70 KNOTS

CENTRAL PRESSURE 993 mb

10 50 09 STARTING OUTBOUND 2700

GRAPHICS SCAN

OUTBOUND MAX WINDS 56 KNOTS

11 01 40 STARTING A COMPLETE GRAPHICS SCAN

VTR 1005

11 15 RADAR DISPLAY GONE STILL RECORDING
SOMETHING

By display I mean we have no returns
11 21 All fixed

11 26 INBOUND LEG BEGINS 30°

INBOUND MAX WINDS 62 KNOTS

CENTRAL PRESSURE MINIMUM 993 mb

OUTBOUND MAX WINDS

11 50 Descending TO 1000 FT FOR LASER WORK

FLYING WEST TO REGION OF 50 KT WINDS

66 KNOTS AT 1000 FT

11 56 70 " " "

12 02 LASER GIVES 10-12 FT WAVES

1207 climbing to ~~15000~~ ~~50000~~ ft. 24000 ft

VTR SHUT DOWN

1214 VT-1473