

# 19870811I- RADAR

AUG 11 1987

Form E-5  
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Radar Scientist Checklist

Flight ID 870811I1  
Aircraft # 43  
Operators Dodge Handel & Copeland  
Radar Tech AL Jarvi

Number of digital magnetic tapes on-board 12

Number of tape labels on-board enough

Component systems up and checked:

RDSC ☒

DSC1 ☒

Computer ☒

DSC2 ☒

DMTR1 ☒

DMTR2 ☒

LF ☒

R/T# 101M

TA ☒

R/T# SN 201

Time correction between radar time and digital time + 2 sec

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Radar Postflight Summary

Number of digital tapes used DMTR 1 3

DMTR 2 2

Significant recorder downtime:

DMTR 1 5 minutes

Radar LF none

DMTR 2                     

Radar TA none

Other problems:

Down while we checked recording  
selection on radar computer.

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E.5 Radar/Airborne Doppler Radar Scientist (On-board)

The on-board Radar Scientist (RS) is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

E.5.1 Preflight

- \_\_\_\_\_ 1. Determine the status of equipment and report results to the on-board Lead Project Scientist (LPS).
- \_\_\_\_\_ 2. Confirm mission and pattern selection from the on-board LPS.
- \_\_\_\_\_ 3. Select the operational mode for radar system(s) after consultation with the HRD/RS and the on-board LPS.
- \_\_\_\_\_ 4. Complete the appropriate preflight calibrations and checklists as specified in the radar operator's manual.

E.5.2 In-Flight

- \_\_\_\_\_ 1. Operate the system(s) as specified in the operator's manual and as directed by the HRD/RS unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO/Flight Director or Aircraft Commander.

E.5.3 Postflight

- \_\_\_\_\_ 1. Complete the summary checklists and all other appropriate checklists and forms.
- \_\_\_\_\_ 2. Brief the on-board LPS on equipment status and turn in completed forms to the LPS.
- \_\_\_\_\_ 3. Hand-carry all radar tapes and arrange delivery as follows:
  - a. Outside of Miami - to the HRD operations center (FGOC).
  - b. In Miami - to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO/Flight Director.]
- \_\_\_\_\_ 4. Debrief at the appropriate operations center (FGOC or MGOC).
- \_\_\_\_\_ 5. Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.

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AIRCRAFT 43

OPERATOR COPELAND  
HANDEL

SHEET 1 OF 1

[illegible]

OPERATOR HANDER  
SHEET 1 OF 1

## RADAR DOWN-TIME LOG

ITEM	TIME DOWN	TIME UP	PROBLEM
<div> <div>DATE</div> <div>TIME</div> <div>DOWN</div> <div>UP</div> </div>			None

ITEM LIST: VTR, DMTR1, DMTR2, COMP, ROSC, LF, NO, TA, DSC1, DSC2