

## E.4 Radar Scientist (On-Board)

This individual is responsible for data collection from all radar systems on board his or 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.4.1 Preflight

- MB ✓ 1. Determine status of equipment and report results to the on-board lead project scientist (LPS).
- MB ✓ 2. Confirm mission and pattern selection from on-board LPS.
- MB ✓ 3. Select operational mode for radar system after consultation with HRD radar scientist and on-board LPS.
- MB ✓ 4. Complete appropriate preflight calibrations and checklists as specified in the radar operator's manual.

E.4.2. In-Flight

- MB ✓ 1. Operate system as specified in the operator's manual and as directed by the HRD radar scientist, unless superseded by directions from the on-board LPS or as required for aircraft safety as determined by the OAO flight director or aircraft commander.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.4.3 Postflight

- ✓ 1. Complete summary checklists and all other appropriate checklists and forms.
- ✓ 2. Brief on-board LPS on equipment status and turn in completed forms to LPS.
- will do 3. Hand-carry all radar tapes and arrange delivery as follows:
- a. Outside of Miami - the HRD operations center.
  - b. In Miami - the HRD/AOML offices.
- will do 4. Debrief at operations center.
- will do 5. Determine status of future missions and notify operations center as to where you can be contacted.

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Form E-4  
Page 1 of 4

## Radar Scientist Checklist

Flight # 851028 I 1  
A. C. # 43  
Operator M. Black, P. Leighton  
Radar Tech. Al Jarvis

Number of digital magnetic tapes on board 19Number of video tapes on board       Number of tape labels on board 40

Component systems up and checked:

RDSC ✓VTR       Computer ✓DSC1 ✓DMTR1 ✓DSC2 ✓DMTR2 ✓Scopes ✓NO       LF ✓TA ✓Time correction between radar time and digital time ~~0~~ 0

## Radar Postflight Summary

Number of digital tapes used DMTR 1 4DMTR 2 4Number of video tapes used       Significant recorder down time (other than for tape changes): None

DMTR: LF         
NO         
TA       

VTR: LF         
NO         
TA       

Other problems: (stabilization, interference, etc.) STR OFF on Tar

Form E-4  
Page 2 of 4

FLIGHT 851028I AIRCRAFT 43 OPERATOR M. Black SHEET 1 OF 1

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Form E-4  
Page 4 of 4

HRD DOPPLER RADAR TAPE LOG

FLIGHT 3851028I AIRCRAFT 43AF OPERATOR Leighan SHEET 1 of 1

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