

AUG 29 1993

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E.5 Doppler Radar Scientist (On-Board)

930829I

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

E.5.1 Preflight

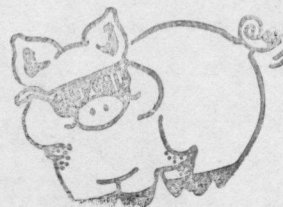
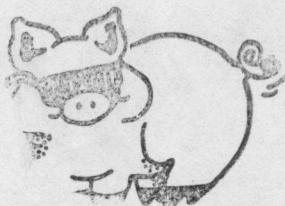
-  1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
-  2. Confirm mission and pattern selection from the on-board LPS.
-  3. Select the operational mode for radar system(s) after consultation with the on-board LPS.
- 4. Complete the appropriate preflight calibrations and check lists 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 on-board LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.

E.5.3 Postflight

- 1. Complete the summary check lists and all other appropriate check lists 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 AOC 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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Doppler Radar Scientist Check List

Flight ID 930829I
Aircraft # 43RF
Operators Marks
Radar Tech. Lynch

Number of digital magnetic tapes on board >20

Number of tape labels on board >20

Component systems up and checked:

MARS ↑
DMTR1 ↑
LF ↑
TA ↑

Computer 9
DMTR2 ↑
R/T# 124
R/T# 201

Time correction between radar time and digital time 1s

Radar Postflight Summary

Number of digital tapes used:

DMTR1 2
DMTR2 2

Significant down time:

DMTR 1 _____
DMTR 2 _____

Radar LF _____
Radar TA _____

Other problems:



[illegible]



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HRD Radar Down-Time Log

930829E

Operator Markus

Sheet 1 of

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem

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