

# 19910729HL RADAR

## E.5 Doppler Radar Scientist (On-Board)

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.)

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### 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.



[illegible]



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# HRD Radar Down-Time Log

Operator GAMACHE / DORST

Sheet 1 of 1

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem
COMPUTER	030820	032030	SYSTEM CRASH, RESTARTED

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

10P4/3 TEXMEX

910729H1 - flight into T5 FAFA

T/O ACA 23:31Z LAND ACAN 07:00Z

WS-K. EMANUEL, P. BLACK, Radar - J. GAMACHE

N. DURST / PILOTS TURNER, PHILIPSBORN, FLT D

B. DAMIANO TECHS PARADAS, LEYVA, GONZALES

START RADAR TAPE ~ 0036Z

01:55 - APPROACHING LARGE CLOUD

SHIELD TO SW. ONCE AGAIN Dr. G  
IS DOING ALL THE RADAR SKETCHES.

02:23 - In the 'soup' SE of center  
is very turbulent, large precip  
shield SW-NE of center.

03:08 - 03:20Z - SYSTEM DOWN, REBOOTED

04:48 - climb for home.

05:18Z - STOPPED RECORDING



TEXMEX  
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