

## 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.)

### 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.



## HRD Radar Down-Time Log

Operator K ABECHIE

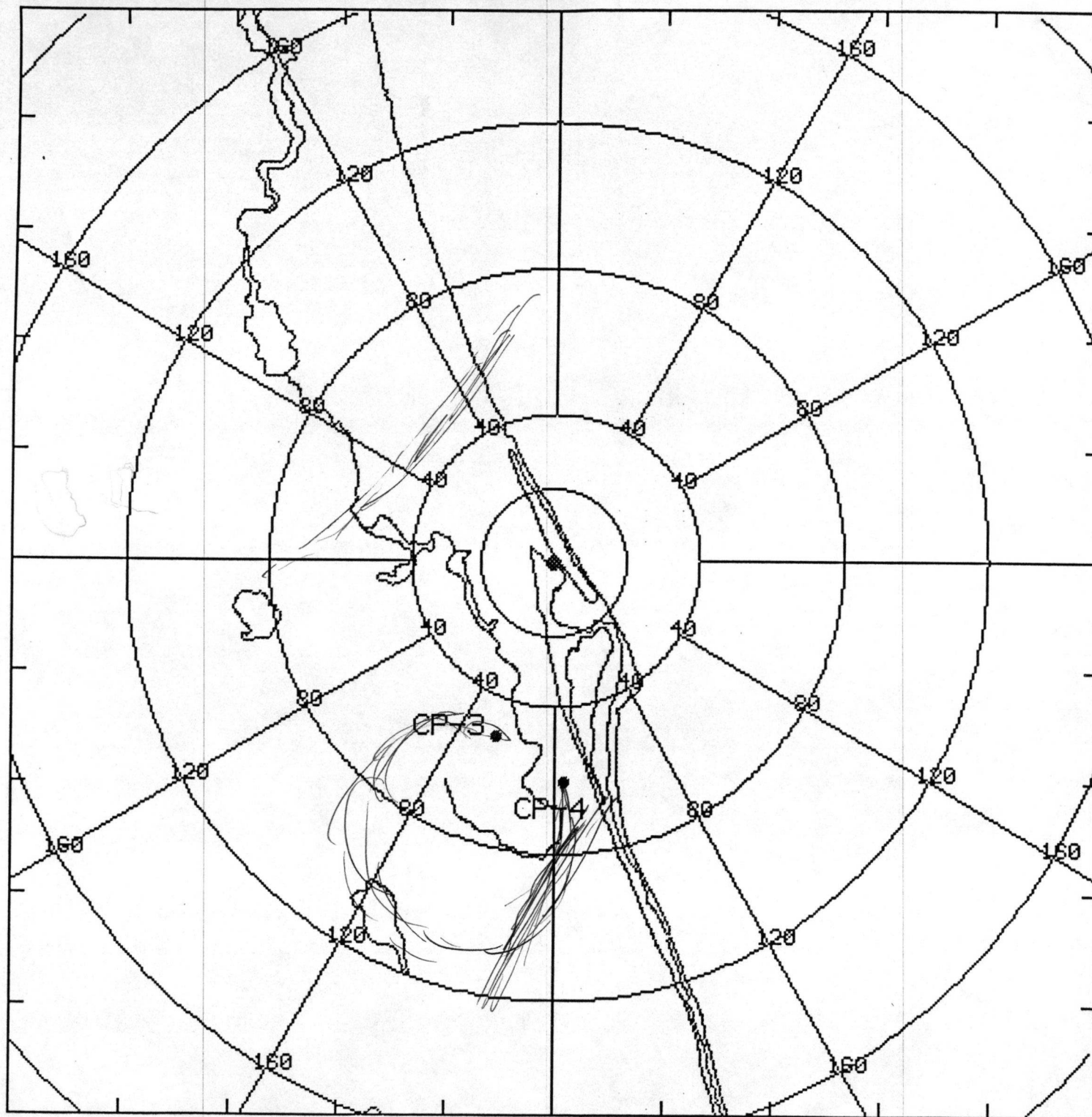
Sheet 1 of 1

[illegible]

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







+logout

[5i\*\*\* LOGGED OUT FROM WSI \*\*\*

subcode = 101

☐ [6i [4i

+bye

[5i\*\*\* LOGGED OUT FROM WSI \*\*\*

subcode = 1

☐ [6i [4i

Disconnected from 05NWSI

X.25 CS: 000. DG: 000.

Host Name:

Host Name: +LOGOUT

UIC:

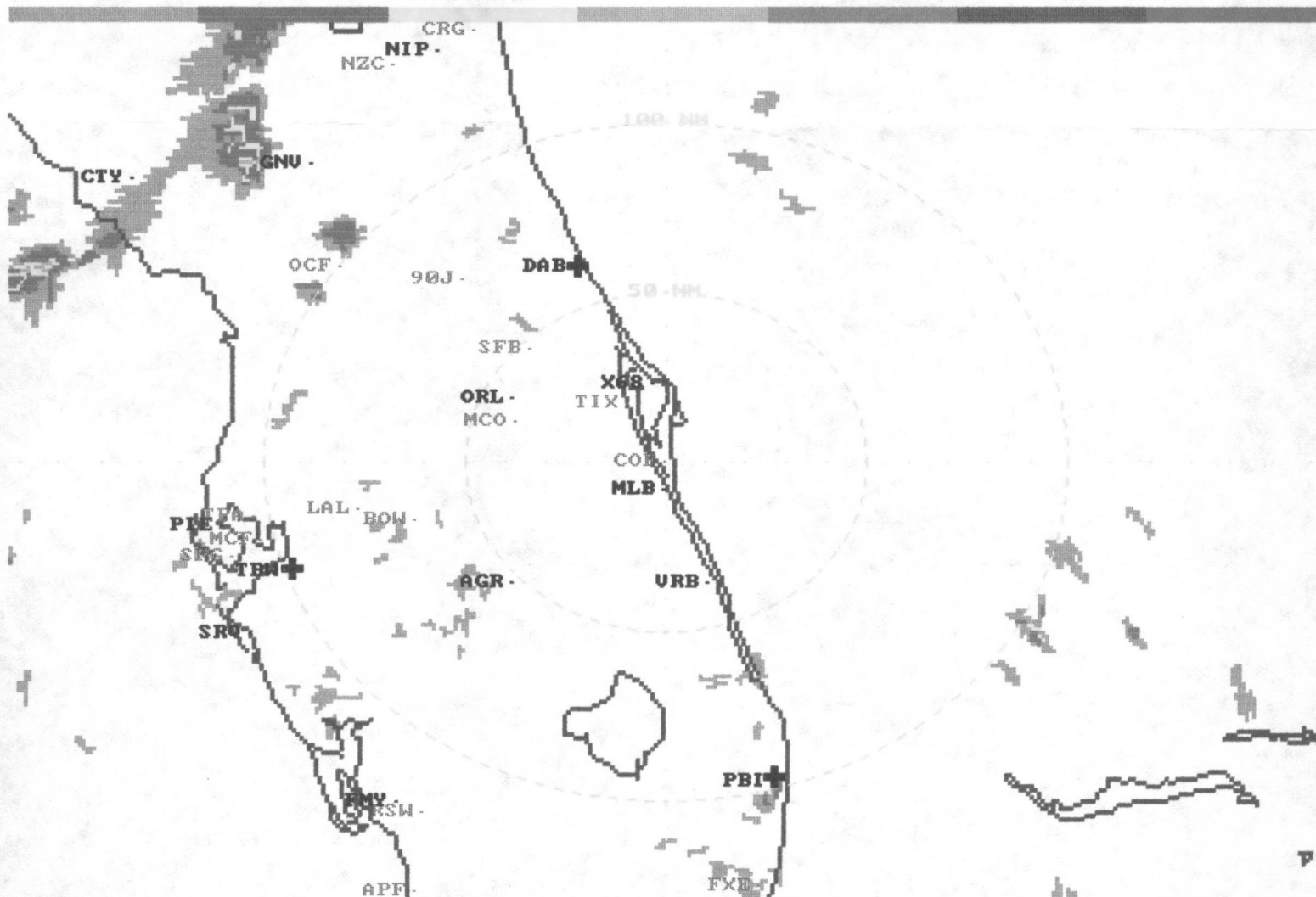
NOWRAD image printed by "WX-View" from Robertson Software.

COF 15:45(15)GMT 12-AUG-91 NOWRAD

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240150

The following 7 shades represent Radar levels (1 - 6) and sites not reported.



+bye

[5i\*\*\* LOGGED OUT FROM WSI \*\*\*

subcode = 1

☐ [6i [4i