

ARCS PROCEDURE:  Author: K. Moran	MMCR: DAILY, WEEKLY, MONTHLY OPERATIONS	PRO(MMCR)-004.001  May 12, 1999 Page 1 of 3
-----------------------------------------	--------------------------------------------	------------------------------------------------------

## 8mm Cloud Radar: Daily, Weekly, Monthly Operations

### I. Purpose:

This section describes the tasks necessary for daily, weekly, and monthly maintenance of the operations of the ARM 8mm Cloud Radar.

### II. Cautions and Hazards:

- There are no hazards.
- The site tasks are in chronological order. If you have any suggestions for changes in the current order, please contact TWPPPO.
- Your health and safety are more important than daily rounds. If you have a health- or safety-related emergency, please notify your office and TWPPPO.

### III. Requirements:

- Clipboard
- Pen
- **Daily rounds checklists and fax sheets:** 1) ARCS-2 mmCR Daily Rounds Checklist; 2) ARCS-2 mmCR Daily Rounds Fax Sheet.
- **Weekly rounds checklists and fax sheets:** 1) ARCS-2 mmCR Weekly Rounds Checklist; 2) ARCS-2 mmCR Weekly Rounds Fax Sheet.
- **Monthly rounds checklists and fax sheets:** 1) ARCS-2 mmCR Monthly Rounds Checklist; 2) ARCS-2 mmCR Monthly Rounds Fax Sheet.

### IV. Procedure:

#### A. Monday Tasks:

1. Perform daily rounds as indicated in the Daily Rounds Checklist, recording the answers on the Daily Rounds Fax Sheet. As you complete the checklist tasks, make notes of anything important on the fax sheet.
2. Perform weekly rounds as indicated in the Weekly Rounds Checklist, recording the answers on the Weekly Rounds Fax Sheet.
3. If it is the first Monday of the month, perform the monthly rounds as indicated in the Monthly Rounds Checklist, recording the answers on the Monthly Rounds Fax Sheet.

<b>ARCS PROCEDURE:</b>  Author: K. Moran	<b>MMCR: DAILY, WEEKLY, MONTHLY OPERATIONS</b>	<b>PRO(MMCR)-004.001</b>  May 12, 1999 Page 2 of 3
------------------------------------------------	----------------------------------------------------	-------------------------------------------------------------

4. Perform ground maintenance with a caution not to damage cable connections.
5. Enter all the comments into the Site Data Log (see PRO(ARCS)-016). TWPPPO has requested specific information about an instrument or system, fax or call TWPPPO with the information. See PRO(ARCS)-018 for more detail.
6. Perform van maintenance using procedure PRO(ARCS)-007.
7. File the fax sheet forms in daily, weekly, or monthly files. See PRO(OPS)-007.
8. Record any minor errors or problems on back of Daily Rounds Fax Sheets. You can also address them on weekly conference calls.
9. Keep site gate locked at all times.
10. Read the referenced procedures if you have questions. If you have further questions, contact TWPPPO.
11. Have all site visitors sign the site guest book. Keep guest book updated as often as possible.

***NOTE: When finished, turn the power off to the oscilloscope and the monitor.***

**B. Tuesday through Sunday Tasks:**

1. Perform daily rounds as indicated in the Daily Rounds Checklist, recording the answers on the Daily Rounds Fax Sheet.
2. Perform ground maintenance as needed.
3. Enter all comments into the Site Data log, PRO(ARCS)-016. If TWPPPO has requested specific information, fax or call TWPPPO with the information. See PRO(ARCS)-018 for more detail.

**V. References:**

1. United States Department of Commerce (NOAA/ERL, Environmental Technology Laboratory, System Demonstration and Integration Division). Operation and Maintenance Manual for ARM's 8mm Cloud Radar, pp. 4-8. January 1998. MAN(MMCR)-001.001.

**VI. Attachments:**

1. Km/Feet Conversion Chart

### Attachment 1: Km/Feet Conversion Chart

8 — 26,247	17 — 55,774
7 — 22,966	16 — 52,493
6 — 19,685	15 — 49,213
5 — 16,404	14 — 45,932
4 — 13,123	13 — 42,657
3 — 9842	12 — 39,370
2 — 6562	11 — 36,089
1 — 3280	10 — 32,080
0 —	9 — 29,528
Km   Feet	Km   Feet