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AERI Daily Operations

I. Purpose:

Routine procedures to be carried out daily to maintain the tape archival of the AERI data and to verify proper operation of the air conditioners in the shelter.

II. Cautions and Hazards:

None

III. Requirements:

None

IV. Procedure:

A. Manual check of air conditioners:

The AERI shelter uses two Marvair air conditioners as a redundant system for temperature and humidity control. To verify that both are working, each must be independently operated, separate from the other. The Marvair air conditioners are controlled from a central box to the left of the AERI instrumentation. By repeatedly pressing the select button, one unit, then the next, then both, are allowed to operate.

1. Reduce the thermostat setting until the air conditioners turn on by pressing the blue "down" arrow on the Honeywell thermostat.
2. Press the select button on the Marvair control box until the red LED indicates that only unit 1 is active.
3. Verify that the cold air is blowing out of one air conditioner.
4. Press the select button on the Marvair control box until the red LED indicates that only unit 2 is active.
5. Verify that the cold air is blowing out of the other air conditioner.
6. Press the select button on the Marvair control box until the red LED indicates that both units are active.

It is not necessary to return the temperature settings to their original settings. This occurs automatically.

V. References:

None

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VI. Attachments:

None