

ARCS PROCEDURE: Author: R. Eagan	ZENO DATA LOGGER DIAGNOSTIC PROCEDURE	PRO(DAQ)-005.000 October 18, 2000 Page 1 of 2
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ZENO Data Logger Diagnostic Procedure

I. Purpose:

This procedure describes the steps to be taken when there is a problem with the ZENO logger collection. This procedure is usually applicable when just one Zeno logger is red on the GOES Health and Status report.

II. Cautions and Hazards:

None

III. Requirements:

None

IV. Procedure:

A. Steps:

1. Log in to ADaM by PPP or terminal emulator
2. Change directory to the platform configuration directory:
 - /config/gndrad
 - /config/skyrad or
 - /config/smet
3. cat zenocom.tim
 - If the time listed is within an hour of current time you can be confident that ADaM is collecting data from the logger.
4. In case you need to know where the zenocom log files are:
 - grep INSTR_LOG zenocom.dfg
 - This will give you the name of the log file for the current day.
 - Use 'less<log_file_name>' to view the file.
5. CD to the directory that the log file is in to list the log files for previous days.
 - cd/data/raw/smet
 - cd/data/raw/gndrad
 - cd/data/raw/skyrad

ARCS PROCEDURE: Author: R. Eagan	ZENO DATA LOGGER DIAGNOSTIC PROCEDURE	PRO(DAQ)-005.000 October 18, 2000 Page 2 of 2
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6. Do: 'ls -lt | head' to list the files in chronological order (most recent on top) . 'Head' prints the top ten lines of the IS output. This avoids a lot of waiting if IS should try to print hundreds of files over a slow connection.
7. Use 'tail<filename> top view the last 10 lines of a file to verify that the file contents are valid data. If they are not valid data, then there is a collection problem and you need to look at the log file.
8. To determine the number of files in this directory: 'IS-l | wc -l'
Where 'wc -l' counts the number of lines in the ls output. If there are a lot of files, the pdmgr is not ingesting the files.

V. References:

None.

VI. Attachments:

None.