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## ***Keeping EAS1 Logs***

**11.16.2011**

### **Data transmission specs:**

Bits per second: 9600  
Data Bits: 8  
Parity: None  
Stop bits : 1  
Flow Control: None

These settings will be used when configuring your RS232 logging software. This configuration often may be abbreviated as 9600 8-n-1.

Connection should be made using a straight-through DB9 male to DB9 female cable. The cable should connect the PC PORT on the rear of the EAS unit to the PC or other device being used for logging. The PC connection may be either a physical RS232 serial port or a virtual serial port created using an RS232-to-USB adapter cable.

Gorman-Redlich EAS1 units have the capability to output log data via the PC PORT serial connection as shown below:

```
ZCZC-EAS-RWT-021111+0015-3201444- EASTESTS

***** EAS ALERT SENT BY EASTESTS *****
SENT      11/16/2011  9:44:10 EST
BROADCAST STATION ALERT
A REQUIRED WEEKLY TEST
HAS BEEN ISSUED
FOR THE FOLLOWING COUNTIES:
  Jefferson      KY
UNTIL  9:59 EST
JULIAN DATE: 320 TIME:  9:44 EST
ORIGINATING STATION: EASTESTS
RECORDED VOICE MSG      0.0 Seconds

***** EOM SENT BY EASTESTS *****
SENT      11/16/2011  9:44:23 EST
```

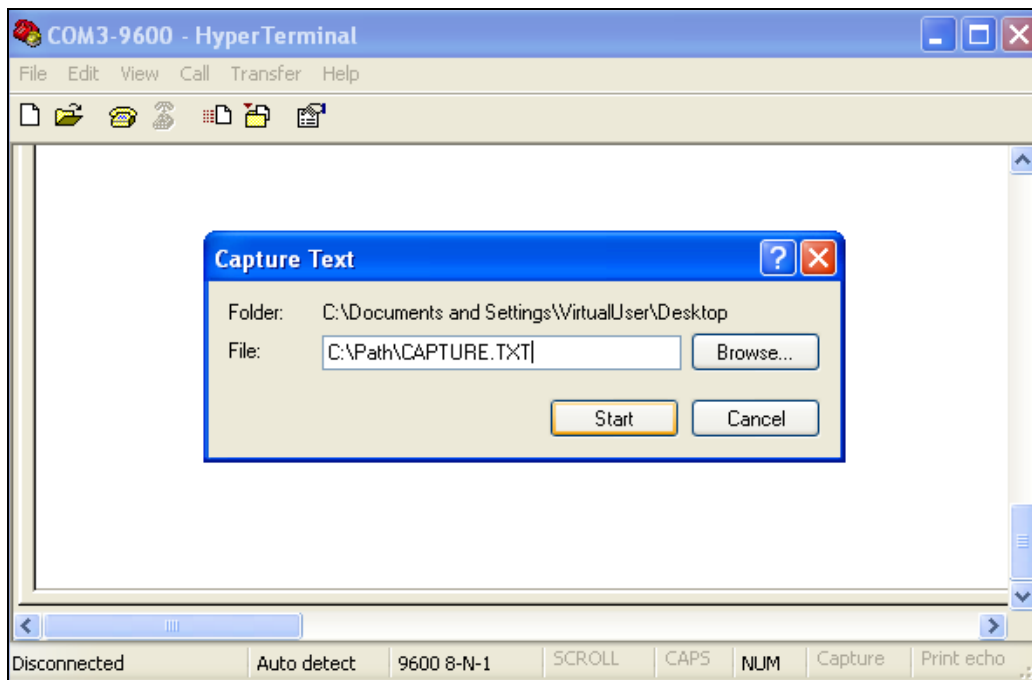
***Sample EAS Logging Output for an RWT***

This document will explain several methods for capturing and storing this log data.

## Using HyperTerminal (Microsoft Windows XP and Earlier)

### Run HyperTerminal (*Start menu / Accessories / Communications / HyperTerminal*)

1. Configure the HyperTerminal connection for the desired PC COM port using the settings described above
2. Go to the *Transfer* menu and select *Capture Text*.
3. When the *Capture Text* window pops up, enter the path and name of the file that you wish to use for capturing the text. The filename can be anything, but it might be convenient to include the date of the day that it was started. For instance, you might enter: C:\GORMAN\LOG20090801.txt This would open a file in the GORMAN folder called LOG20090801.txt. This file name indicates that it was created on August 1, 2009.
4. After entering the path and filename, click the Start button to begin logging data. At that point any information that shows on the HyperTerminal screen will be logged to that file. One of the boxes on the bottom of the HyperTerminal window will now show the word "Capture" in dark print.
5. At the end of the period during which you want to collect the log data (e.g. a day, week or month depending upon the amount of data), click on the *Transfer Menu*, and select *Capture Text and Stop*. At this time the file will be closed. The word "Capture" at the bottom of the HyperTerminal window will change from dark print to the gray disabled appearance.
6. The file may now be opened using any text editor such as Notepad, WordPad, etc. When the file is opened it may be examined, searched, printed, etc.
7. Follow the same procedure with a new filename to begin logging again.

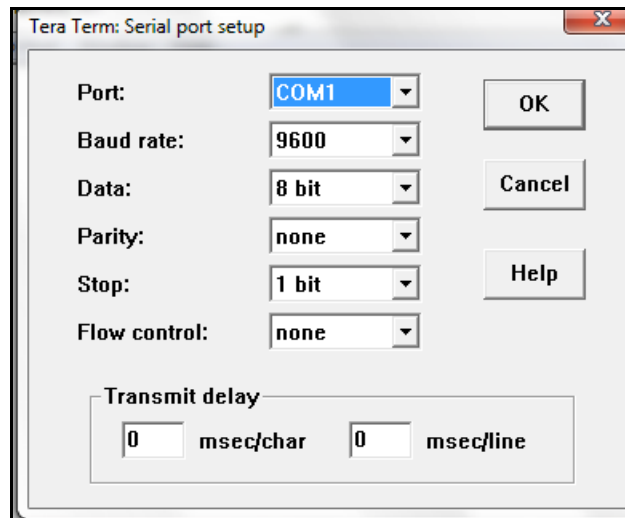


**Specifying HyperTerminal Log File**

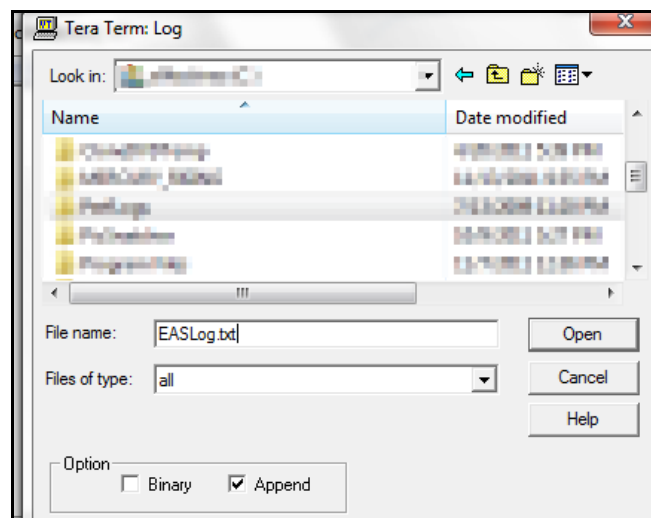
## Using Tera Term Pro (Microsoft Windows Vista/7)

Microsoft Windows releases after XP no longer come with HyperTerminal Functionality. Tera Term Pro is a free (open source) terminal emulation program available at <http://tssh2.sourceforge.jp/>

1. Follow Tera Term Pro documentation for installation, execution and configuration using the settings described above.
2. Go to the *File* menu and select *Log...*
3. When the *Log* window pops up, brows to the file location where you wish to keep the log. The filename can be anything, but it might be convenient to include the date of the day that it was started. For instance, you might enter: C:\GORMAN\LOG20090801.txt This would open a file in the GORMAN folder called LOG20090801.txt. This file name indicates that it was created on August 1, 2009. Mark the *Append* option to keep the same log file each time and append new data to the end of this file.
4. After entering the path and filename, click the Open button to begin logging data. At that point any information that shows on the Tera Term Pro screen will be logged to that file.
5. The file may now be opened using any text editor such as Notepad, WordPad, etc. When the file is opened it may be examined, searched, printed, etc.
6. Follow the same procedure with a new filename to being logging again.



*COM Port Setup, Tera Term Pro*

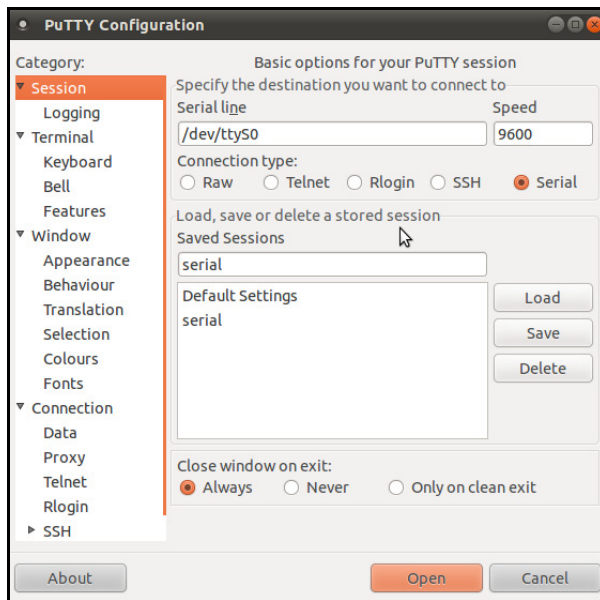


*Selecting Log File Path, Tera Term Pro*

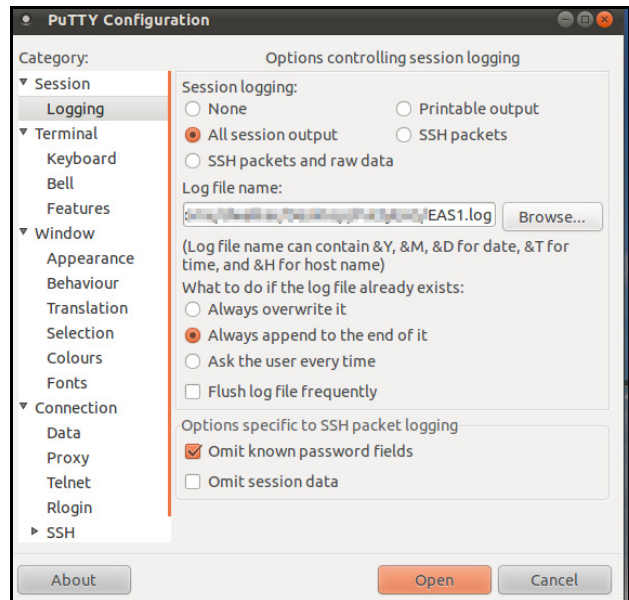
## Using PuTTY (Various Operating Systems: Microsoft, \*nix, et al.)

PuTTY is a free terminal emulation program available at <http://www.chiark.greenend.org.uk/~sgtatham/putty/>  
Images below are of the linux PuTTY implementation.

1. Follow PuTTY documentation for installation, execution and configuration using the settings described above. In the session configuration window, select the serial line you wish to log as well as additional settings. The *Logging* sub-item of the *Session* settings allows you to specify a log file and append options.
2. PuTTY can be run via the gui or via the command line, in which you can also load saved profiles or specify which device you want it to run on and which log file you want to send output to if you do not wish to set up a profile. See PuTTY documentation for command line instructions.
3. Click the *Open* button to begin the terminal/logging session. At this point any information that shows on the PuTTY screen will be logged to the specified file.
4. The file may now be opened using any text editor. When the file is opened it may be examined, searched, printed, etc.
5. Follow the same procedure with a new filename to being logging again.



*Selecting Serial Port Session, PuTTY*



*Selecting Log File Path, Tera Term Pro*

## Other Logging Methods

The above described logging methods are only some of the logging options available to users of Gorman-Redlich EAS1 units. Using the data transmission specifications described above, any number of hardware or software serial logging solutions can be used. Contact your station's IT personnel for additional logging options if none of the aforementioned options work with your station's technology needs.