

## Datalogging

The Elite can log up to 10,000 separate time-stamped data values. The data is formatted in either a comma-separated value (CSV) or ASCII tabular format.

When datalogging is enabled, the Elite logs ALL analog channels that are NOT disabled.

The data can be accessed via a direct serial connection to the RS-232 port when in Diagnostics mode (as discussed in the previous chapter) or via a modem Hyperterminal or other terminal emulation connection.

The following is the main menu and Show Data Log sub-menu.

```
Password: XXXXXXXXXXXX

DiaLog Elite
Version: 2.3.0 01/02/04

00) Show System Config
01) Show Chan Config
02) Show System State
03) Show Chan Data
04) Show Event Log
05) Show Data Log
06) Preset Counters
07) Status Reports
08) Activate Relays
09) Site Setup

Cmd => 5

***** Data Log *****
Data Logging: enabled

1) View Data Log
2) Clear Data Log
3) Set Start/Interval

...>
Start Time: 00:00
New Start Time [00:00:00]:
Interval(mins) [0-1440]:
Format [0=ASCII/1=CSV]:

...>
Hit ESC to stop...

1,05/26/04 14:48:00,22,West-CO,20,ppm
2,05/26/04 14:48:00,21,Storage-O2,20.4,%vol
3,05/26/04 14:46:00,22,West-CO,20,ppm
4,05/26/04 14:46:00,21,Storage-O2,20.4,%vol
5,05/26/04 14:44:00,22,West-CO,19,ppm
6,05/26/04 14:44:00,21,Storage-O2,20.5,%vol
7,05/26/04 14:42:00,22,West-CO,20,ppm

1 05/26/04 15:12:00 22 West-CO 20 ppm
2 05/26/04 15:12:00 21 Storage-O2 20.5 %vol
3 05/26/04 15:10:00 22 West-CO 20 ppm
4 05/26/04 15:10:00 21 Storage-O2 20.4 %vol
5 05/26/04 15:08:00 22 West-CO 19 ppm
6 05/26/04 15:08:00 21 Storage-O2 20.4 %vol
```

Start Time shows the current setting to begin logging.  
New Start Time is [HH:MM:SS] in military time  
Interval is minutes between recorded values.

CSV format example

ASCII format example

## Elite Datalogging option

The datalog can automatically or manually uploaded to the Internet using Antx' DiaLogOnline service. From this interface the user can select specific timeframes that are desired and then cut and past the values into an application like Excel for further analysis and graphing.

The screenshot shows a Microsoft Internet Explorer browser window displaying the DiaLog Elite web application. The address bar shows the URL: <http://www.e-dialogonline.com/ViewEvent.asp?Unit=231&Page=1&SM=Jan&SD=1&SY=02&EM=Jun&ED=1&EY=04&EventType=2>. The page title is "Configuration Manager - Microsoft Internet Explorer".

The web application interface includes a navigation menu on the left with options: "View Status", "View Events", and "Unit E-mail". The main content area is titled "View Events for Anderson Elementary" and includes a "Printable version" link. The event log is displayed in a table with the following data:

Event Time	Message
5/31/2004 5:00:00.008 AM	12 Walk-In Refrig #1 33.0 degF
5/30/2004 5:00:00.008 PM	12 Walk-In Refrig #1 36.9 degF
5/30/2004 5:00:00.008 AM	12 Walk-In Refrig #1 37.3 degF
5/29/2004 5:00:00.009 PM	12 Walk-In Refrig #1 32.9 degF
5/29/2004 5:00:00.009 AM	12 Walk-In Refrig #1 37.2 degF
5/28/2004 5:00:00.009 PM	12 Walk-In Refrig #1 37.3 degF
5/28/2004 5:00:00.008 AM	12 Walk-In Refrig #1 36.2 degF
5/27/2004 5:00:00.008 PM	12 Walk-In Refrig #1 36.0 degF
5/27/2004 5:00:00.008 AM	12 Walk-In Refrig #1 33.9 degF
5/26/2004 5:00:00.009 PM	12 Walk-In Refrig #1 35.7 degF

The page footer indicates "Page 1 of 9". The browser status bar shows "Done" and "Internet".