Exporting F1000 Data

Introduction

The **F1000** saves data in a specially formatted file designed to save disk space while providing a maximum of information. Each modality is sampled at a rate optimized for its characteristics. While this approach is best for normal usage, it presents a problem for the user who would like to process data in spreadsheet or statistical software.

An updated version of the Data Presentation module allows data from selected modalities to be exported in comma delimited ASCII format readable by most spreadsheets and statistical packages. It has been tested with Microsoft Excel 97.

Keep in mind that this information is intended for users experienced in working with exported data and analysis software. It is not intended for the faint of heart!

Software Update

If this bulletin was included with your system, no action is needed to update your software.

If you downloaded this bulletin from our web site, follow the instructions on the web page.

Export Procedure

Using the **F1000** Data Presentation System, select the data to be exported. Any combination of temperature, EDR, EMG, EEG, respiration, and heart rate can be selected. Press F6 to display the data graphs. Press **<shft> E** to export the data. The exported data file will be stored in the **C:\F1000B\BIODATA\<client>** directory. The file will have the same name as the original data file, but with an extension of .Ayy (yy is the last digits of the year).

Data Format

The first line contains headings for the data sequence. Each heading is separated by a comma. The following lines contain data values in the same sequence as the headings and are separated by commas. Temperature/EDR, filtered EMG/EEG, respiration, and heart rate each have their own time scale due the different sample rates used. All time scales are in decimal minutes.

Temperature values are in degrees F. EDR is in micromhos. Filtered EMG/EEG is in microvolts. Respiration is measured on an arbitrary 0-50 scale.

Heart rate interval requires a bit more explanation. The reading are the absolute time since start of session in minutes for each heart beat detected. Calculation of heart rate can be performed by the spreadsheet program. Simple subtract two adjacent readings and take the reciprocal of the result to get beats/minute.