

F1000 Raw to Ascii File Conversion Utility

Introduction

The following is not intended to be a detailed tutorial on data export. The instructions also assume some knowledge of Windows operations. If you do not understand the information below you probably should not be using this software.

Installation

1. Insert downloaded floppy in drive a:\
2. Type a:update <enter>
3. A new file named rawasii.exe has been installed in your c:\f1000b directory. You can start the program using the Windows Run prompt or create an icon on your desktop for it.

Startup

1. Start the rawasii program.
2. Select Files|Open.
3. A normal Windows file selection menu will open. The initial directory will be **c:\f1000b\biodata** which will contain the client names in your system
4. Select the client directory and the file to convert.
5. The raw file will load into the window and helpful information will be displayed.

Source File Information

File Name is the name of the data file currently loaded into the package

Sample Rate indicates the number of samples/second of the data file. This information is not included in the converted file.

Low Pass Freq is the cutoff frequency of the *F1000* raw data system in use with this file. This will indicate the approximate upper frequency limit of the data. This information is not included in the converted file.

Raw Segments indicates the type of raw data file. This is necessary since the *F1000* allows raw logging to be turned off and on multiple times during a session and the data saved in one file. The indications are **Single** indicating a continuous data segment, **Multiple** indicating that there are multiple data segments, and **No Event File** indicating that there is no event file present.

The *F1000* event file must be present to provide proper time indications for the data. If the file is missing all convert times are referenced to the beginning of the file.

File Log Start shows the session time at which raw logging was started or 0:0 if no event file is present..

Raw Length is the total length of the output file in minutes:seconds.

Output File Entries

Note: If the file has multiple segments, Start Time and End Time cannot be specified and the entire file must be converted.

Start Time: Enter the starting time of data to convert. This must be between the File Start and File End times.

End Time: Enter the ending time of data to convert. This must be greater than the Start Time and no greater than the end time.

Output Format: Check the desired format of the ASCII data output.

Raw: data is in whole numbers and is the direct output of the F1000 analog to digital converter. The numbers are arbitrary and can range between +2048 and -2047.

DP1: data in microvolts which 0.1 uV precision.

DP2: data in microvolts which 0.01 uV precision

Converting Data

To start the conversion process, select the **Convert button**. From the File Save menu, enter a name for the output file. The default selection places the file in the same directory as the source file. An automatic extension of .txt is added. To use other extensions, select **Any** in the Save as Type box.