FileConverter Documentation

Screen-Open.tif

This is the dialog box first presented when opening FileConverter. Navigate to and select the HDR file for the dataset to be converted and press Open. Note that only files with .HDR extensions are shown. The dataset will be opened and the set-up dialog on the next page will be presented.



BDF conversion.tifHere’s an example of the set-up dialog box just prior to a conversion to another BDF file.

We indicated the extrinsic Event TrialOnset is to be used to mark the Status channel with the value of the Group Variable Target. As this is an extrinsic event, we note that the analog signal is in channel Ana1, that the Status channel marker in the original file (to be converted) leads the signal in Ana1, and that the analog signal has a falling edge. This information is stored in the HDR file and carried over for information only. We then choose a threshold for onset of this Event to be 50% of the nominal analog signal maximum-minimum difference and that the analog signal transition should be no more than 200 milliseconds after the Status marker or the Event will be ignored. We chose the default Event search parameters of continuous and extact.

As previously noted, we selected the (single) Group variable Target to be encoded in the Status channel.

Channel numbers 1 through 129, number 131, and numbers 141 through 143 will be included in the output file for a total of 133 physiology channels. The Status channel will also be included, of course, making a total of 134 channels in the BDF output file.

Because this is a BDF conversion, we have chosen to copy the entire length of the input dataset. There will be no decimation and thus the output file will have 512 samples per second, the same as the input file.

We created three reference sets: channels 1 through 128 will be referenced against an average of themselves, channel 129 against channel 130, and channel 131 against channel 132. Channels 141 through 143 thus will be unreferenced (CMS/DRL only) and passed through as is. Note that the reference expression uses the channel numbers of the original file, not those of the new file, and that the channels used as reference need not be included in the output file.

Press Convert to BDF to begin the conversion process.

During conversion.tifDuring conversion the bottom line (marked “Status”) will change to indicate progress as each Event is discovered in the input file.