

Documentation for:

loadcurry()

Version 2.0

This EEGLAB toolbox is designed for loading data recorded with Compumedics Neuroscan CURRY neuroimaging suite software. The current version is compatible with Curry6, 7, & 8 data files. Data is distributed across multiple file types that must have the same filename:

Curry 8 data files consist of:

- .cdt – contains the actual data
- .cdt.dpa – contains channel information
- .cdt.cef/.cdt.ceo – contains event information

Curry 6 & 7 data files consist of:

- .dat – contains the actual data
- .dap – contains data parameters
- .rs3 – contains channel information
- .cef/.ceo – contains event information (this information is also contained within the .dat file)

The user can choose to use the EEGLAB GUI to import the data. Because the .dat extension is very popular, the operating system file selection prompt will look for .cdt, .dap, and .rs3 file types. Regardless of the file type chosen, the function will automatically strip off the extension and will just use the file name.

To do so, go to

File -> Import Data -> Using EEGLAB functions and plugins -> From Neuroscan Curry files

It is also possible to call the file selection GUI directly using:

```
EEG = pop_loadcurry();
```

Or to load the file using only the Matlab command line:

```
EEG = loadcurry('RecordedData.cdt');
```

Revision History:

- 1.1
 - Added import of impedance information for the most recent impedance check as well as the median of the last 10 checks. Data is available within EEG.chanlocs
 - Created catch for user cancelling file selection dialog. Now throws an error to not overwrite what is currently stored in the EEG variable.
 - Calls for a GUI should use pop_loadcurry(); while command line calls should use loadcurry(). They can be called interchangeably however, as the code will figure it out based on what is inputted.
- 1.2
 - Added import of behavioral data stored in a modified PsychoPy data format
{'Trial','Event','Duration','ISI','ITI','Type','Resp','Correct','Latency','ClockLatency','Trigger','MinRespWin','MaxRespWin','Stimulus'}.
 - Added automatic recode of stimulus-related trial types based upon the correctness of behavioral responses. Correct trial types are increased by 10k, error of commission trial types are increased by 50k, and error of omission trial types are increased by 60k. (i.e., type 27 would become 10,027 if correct; 50,027 if an incorrect response was made; and 60,027 if an incorrect non-response occurred)
- 1.3
 - Updated for compatibility with Matlab 2010a and later.
- 2.0
 - Updated for Curry8 compatibility and compatibility with epoched datasets. Note that Curry only carries forward trigger events used in the epoching process.