

plx file per block
Y:\Data\Sortcodes\%Monkey_phys%\YYYYMMDD

%Mon_plx_files.xlsx
(to_use sheet to define
which plx file to use)

ph_combine_MP_and_TDT_data

decide about used plx version and extension
version: from_BB,realigned,online
extension: -01,-02,-03,...
if none found, PLXVERSION='none'; plxxtesion=0;

TDT_trial_struct

TDTbin2mat_working

monkey_phys_LFP_BROA_comp.xls
(crosscorrelation table to account for
initial streamer data lags)
hopefully not needed any more

TDT data from
Y:\Data\TDTtanks\%Monkey_phys\
%YYYYMMDD\Block-%B

epocs

streams
Limited by input CHANNELS (for
STREAMSWITHLIMITEDCHANNELS)

snips - Typically overwritten!
Limited by input CHANNELS
Major bug in danielstolzberg's code for chopping data
(Indexes not properly assigned)

If Broadband LFP present, it gets filtered:
- 2nd order BW stop at Notch_filter 1 freq
- 2nd order BW stop at Notch_filter 2 freq
- 4th order BW High pass at HP_filter freq
- Median filter with sr/LP_median_filter window size
and then resampled (in integer fractions of original
sr closest to 1kHz, i.e: 1/24)

WC32SPK_directly
(alternative
skipping plx file)

PLX2SPK
(plx_file_table
defines which plx file)

epocs
currently used to define run/trial/state onsets
state onsets aligned to FIX ACQ onset

streams: separated by trial,
[channel x samples] data points
streams now starting with FIX ACQ onset
First trial INI stored separately

snips: Separated by trial (FIX ACQ to FIX ACQ),
{channel x unit} arrival times
aligned to each trials FIX ACQ onset
unsorted spikes are disregarded

TDT ephys data !per run!
Y:\Data\%Monkey_phys_mat_from_TDT\
YYYYMMDD\
MonTDTYYYY-MM-DD_RR.mat

Trials without FIX ACQ are discarded
Blocks with multiple runs are split
If there's already a file for the given run, that data is merged (overwriting in case same trial numbers are present)
First trial INI is defined for each run, and contains ONLY state 1 (INI), evrything befroe is discarded

behavioral data data per run
Y:\Data\%Monkey\YYYYMMDD\
MonTDTYYYY-MM-DD_RR.mat

Find matching runs for this session, loop through blocks to create one file for each block & run combination
(??? does this cause problems with First trial INI ??? - unfortunately, i think so!)
All trial structure fields from the TDT file gain the prefix 'TDT_'

combined TDT and MP data !per run and block!
Y:\Data\%Monkey_phys_combined_monkeypsych_TDT\YYYYMMDD\
MonTDTYYYY-MM-DD_RR_block_BB.mat