

Acute recording with chronic script on Burung

Dan Knudsen - 4/09/14

This document: <http://goo.gl/vk6K7d>

1. Create subject folder in F:/Experiments/raw/

- a. create subfolders, "data" and "stims"

2. Place desired .wav files in "stims" folder

3. open Spike2 version 7

- a. (there's a bug in Version 8 that makes the script unusable. I reported it on the CED forums)

4. Run the script:

- a. F:\code\github\spike2_scripts\chronic\scripts\ChronicScript_burung.s2s

5. Follow the prompts:

- a. if window "warning all pre trigger data might not be saved" pops up, hit "ok" (It would be better to track down why this is happening, but for now there doesn't seem to be any data loss, so I'm ignoring it...)
- b. **Set subject folder.** Browse until you highlight the subject folder you created in step 1, and hit 'ok'
- c. click on '**start epoch**' in the toolbar
- d. **Use Protocol File?** "yep"
- e. **Pick Protocol File to Use**
 - i. Select "**NO_Search_AskStimFile_prot.txt**" to loop through the stimuli in order
 - ii. Select "**NO_Block_AskStimFile_prot.txt**" to run a block
- f. **Use Current Penetration?** set the value of the current penetration (electrode, hemisphere, AP distance, ML distance)
 - i. if you need to select the electrode - you want **1x32 singles (A32)** - all the way at the bottom
- g. **Use Current Recording Site?** set the value of the current site (depth)
- h. **Use stim File?** NO - click the **LEFT** button (it will now think for a little while)
- i. **Which Channels to Record?** Ch36 is the stim channel
- j. **Epoch Comments** any comments you want recorded

6. It should now be recording!

7. Buttons present during recording (right to left):

- a. **Finish Experiment** - finishes whole experiment - probably want to use 'stop recording epoch' instead
- b. **Pause Block** <DOESN'T WORK - IGNORE>
- c. **Loop this Search Stim** - loops current stimulus indefinitely - click again when called 'all search stims' to go back to everything

- d. **Stop Recording Epoch** - stops the current recording setup, without exiting setup for current bird/experiment
 - e. **Adjust Gains** <DOESN'T WORK - IGNORE>
 - f. **Start Epoch**
 - g. **SelectActiveStims** - lets you select a subset of stimuli to present
 - h. **Close Behavior Checks** <DOESN'T WORK - IGNORE>
 - i. **Behavior Summary** <DOESN'T WORK - IGNORE>
 - j. **Cancel all CARs** - deletes virtual channels set up by 'Setup CAR'
 - k. **Setup CAR**
 - i. Highlight all channels you want to use as references, then click the button
 - ii. select the channel you want to subtract the selected channels from
 - l. **Setup Software Referencing** <DOESN'T WORK - IGNORE>
 - m. **Load Last View** - if you had a previously recorded Epoch in the current script instance, you can apply it to the current recording by clicking this button
8. Press **Stop Recording Epoch** or **Finish Experiment** to finish the current recording.
9. Data is saved in:
- a. F:/Experiments/raw/(subjectname)/data/Pen()/Site()/Epc()