EEGLAB STEPS

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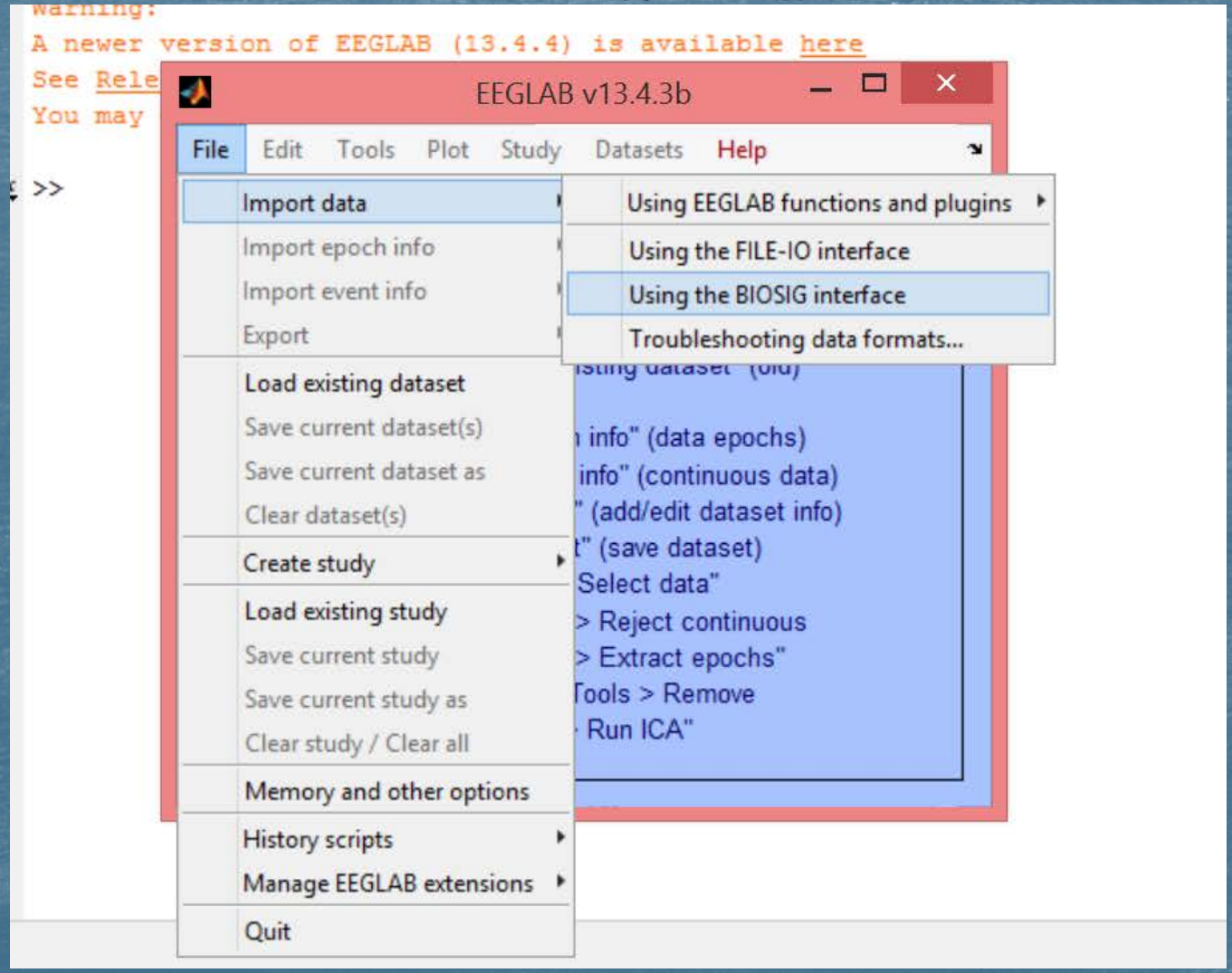
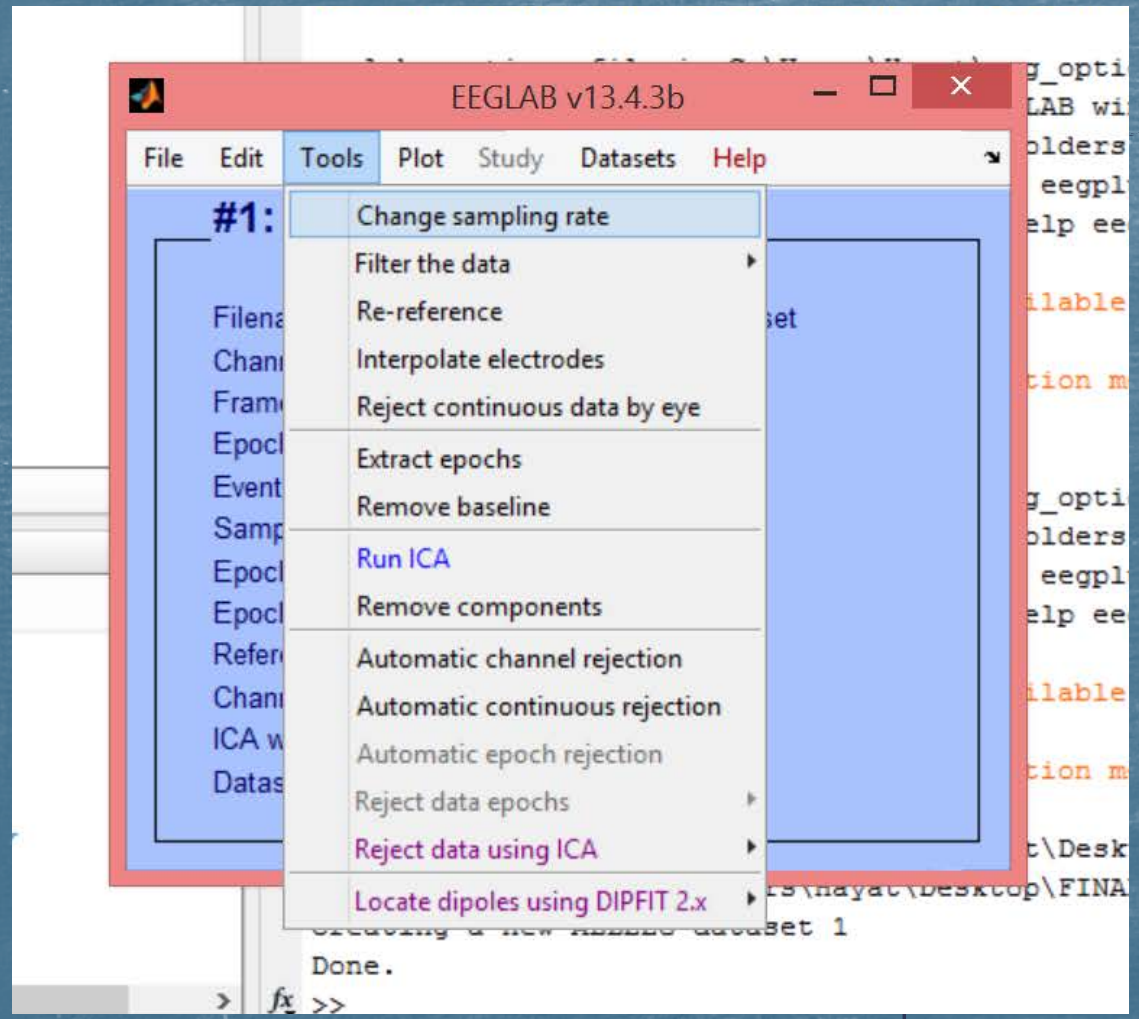
1) Call EEGLAB in MATLAB

Note: Make sure to place EEGLAB file in Matlab folder and set the path to it in order for it to be called.

Import Biosemi file

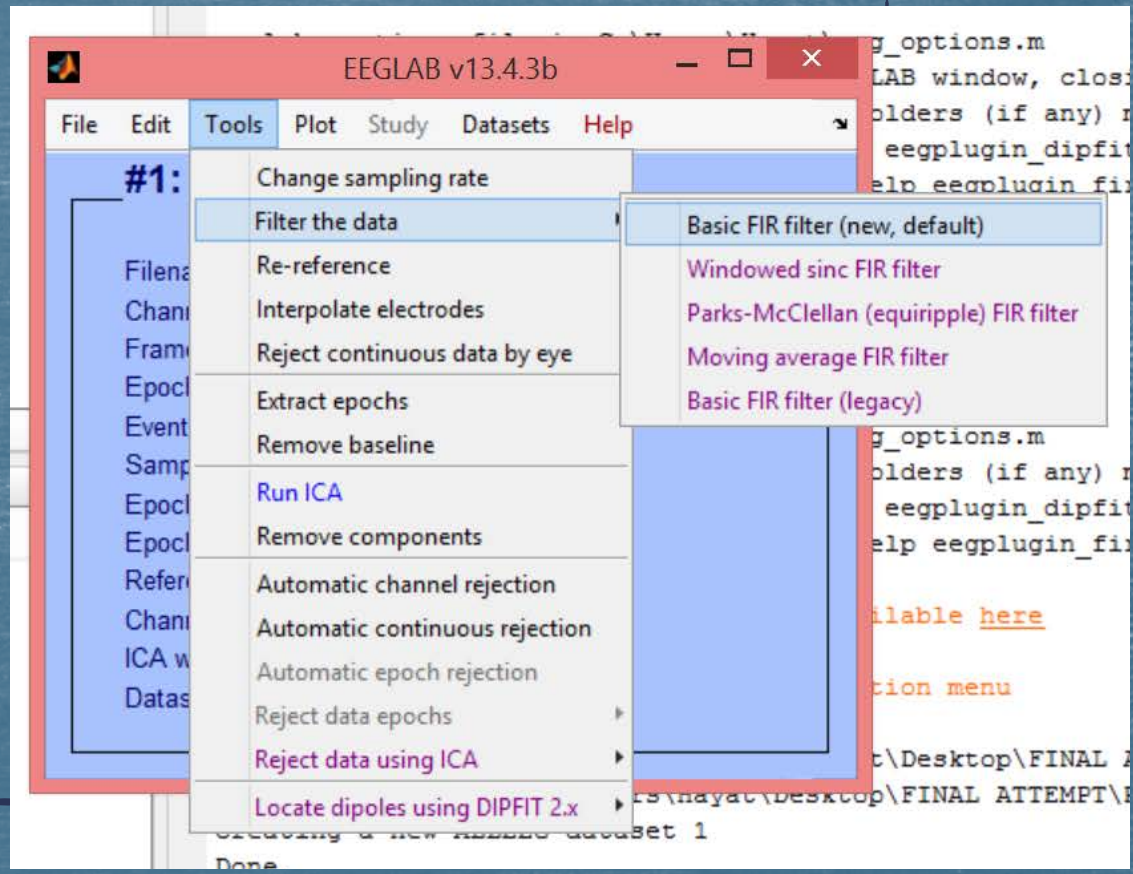


Change sampling rate to 512Hz

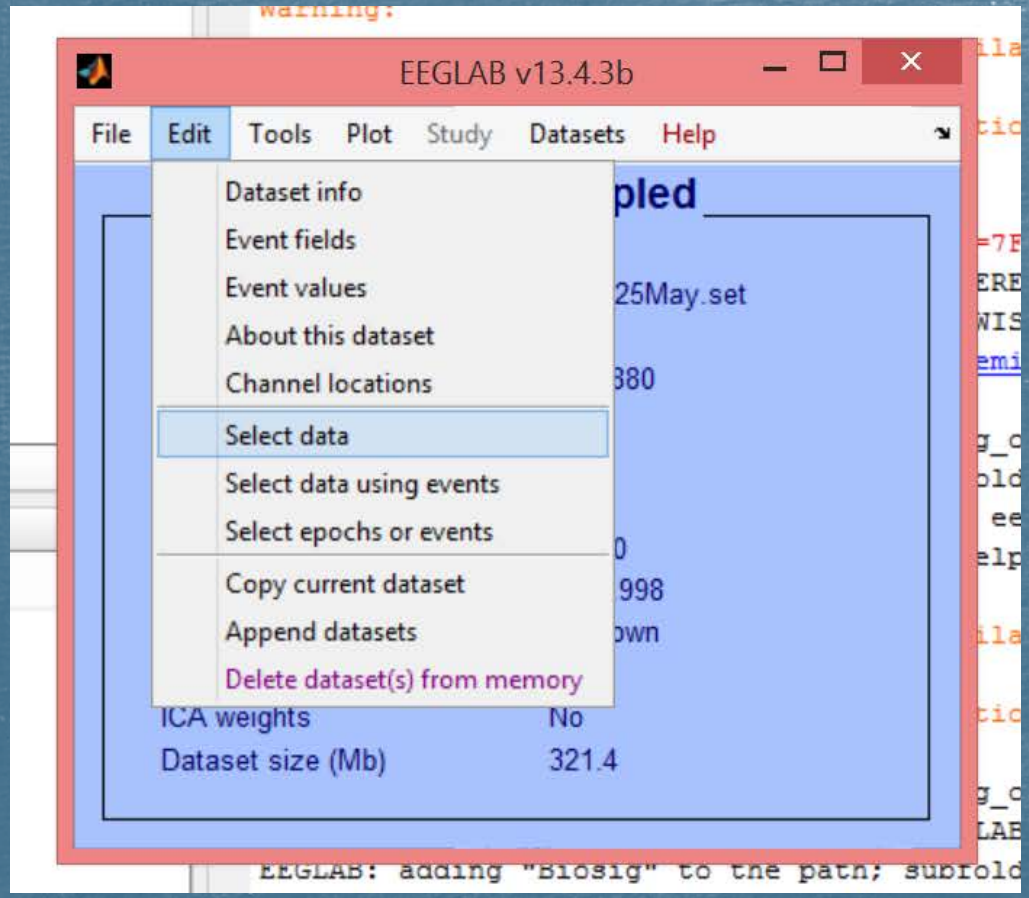


Filter the data
Do each of the three as a separate step

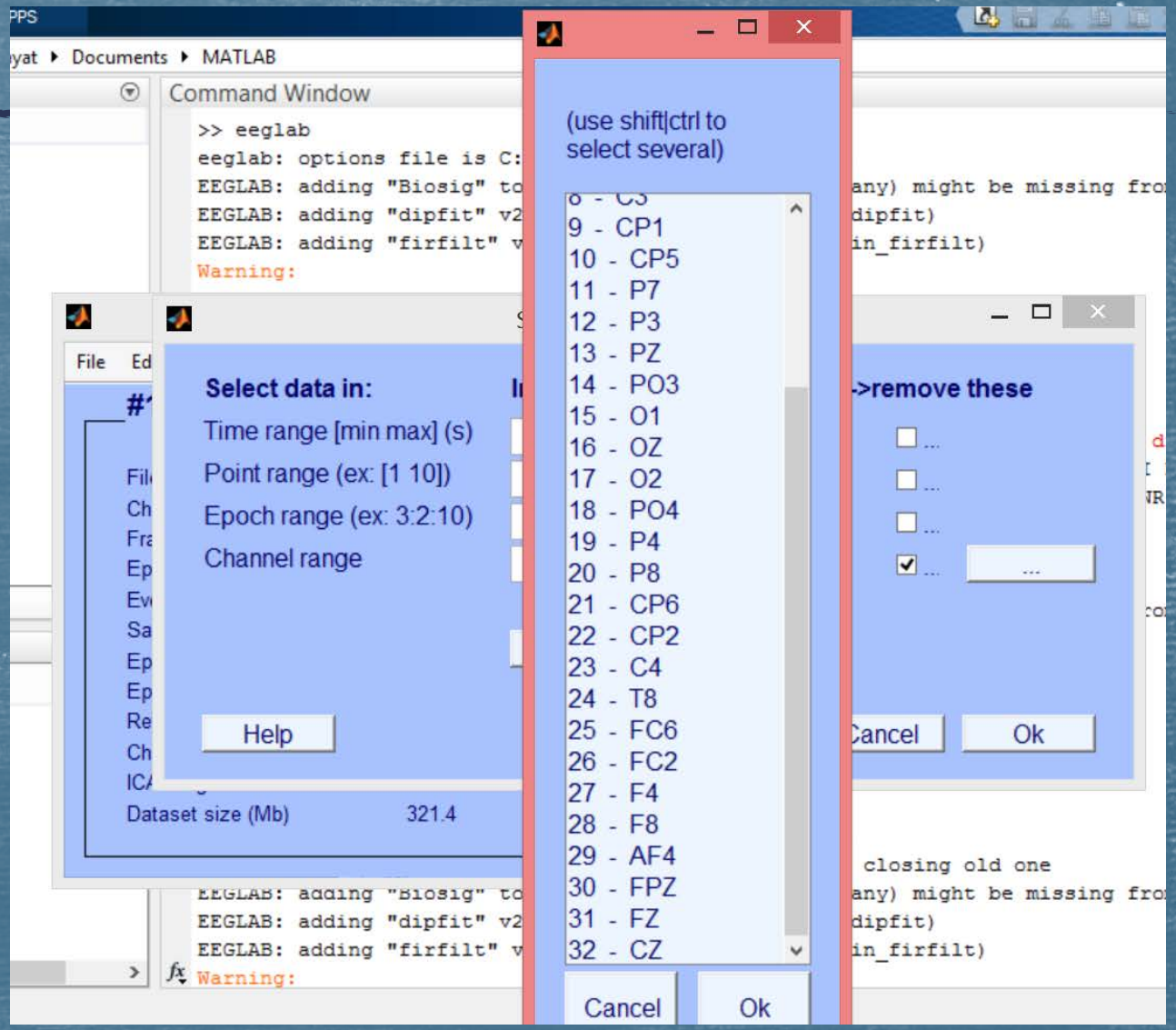
1) Low pass : 1
2) High pass: 60
3) Notch filter: Low-49, high-51



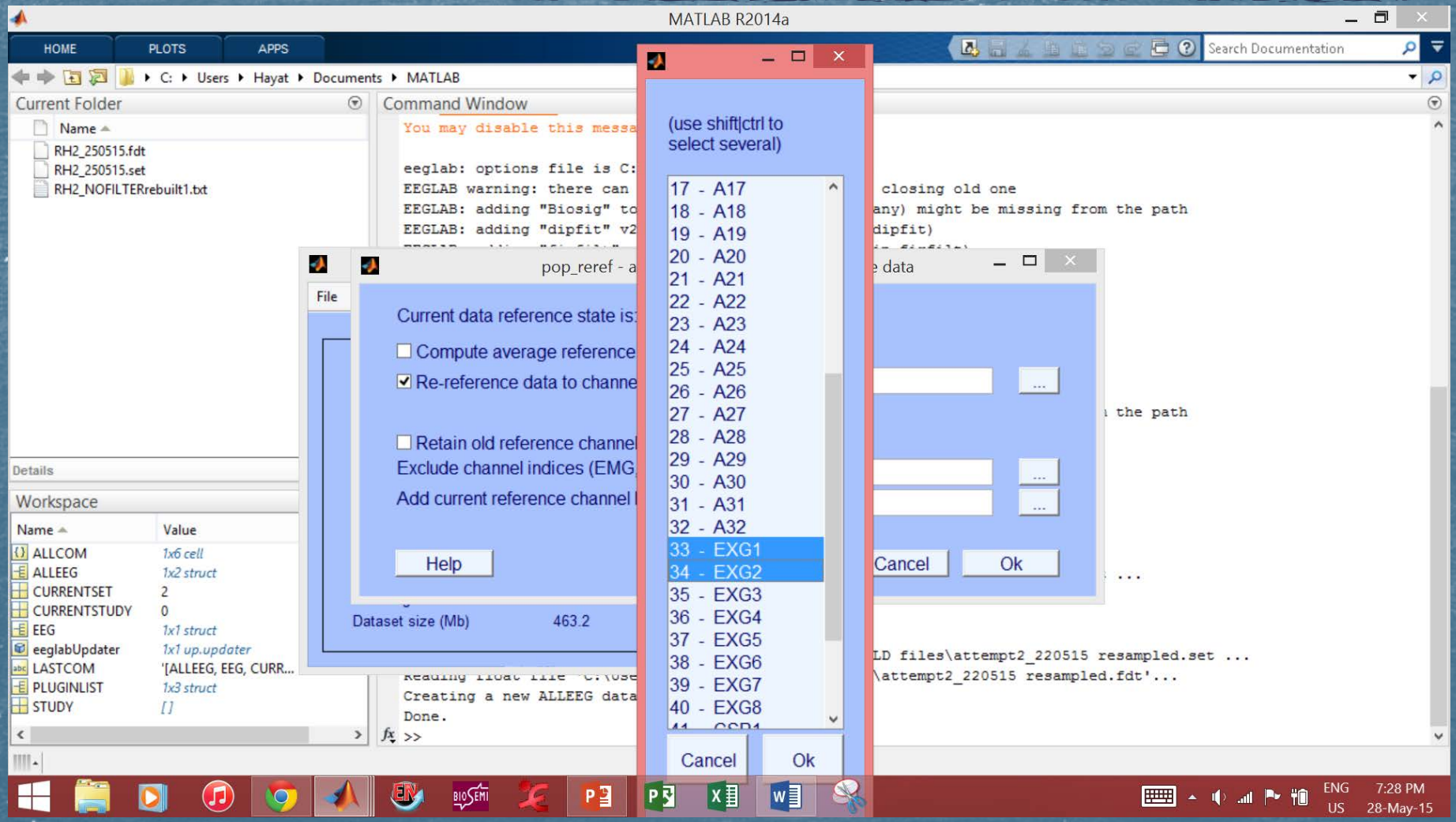
Deleting extra channels



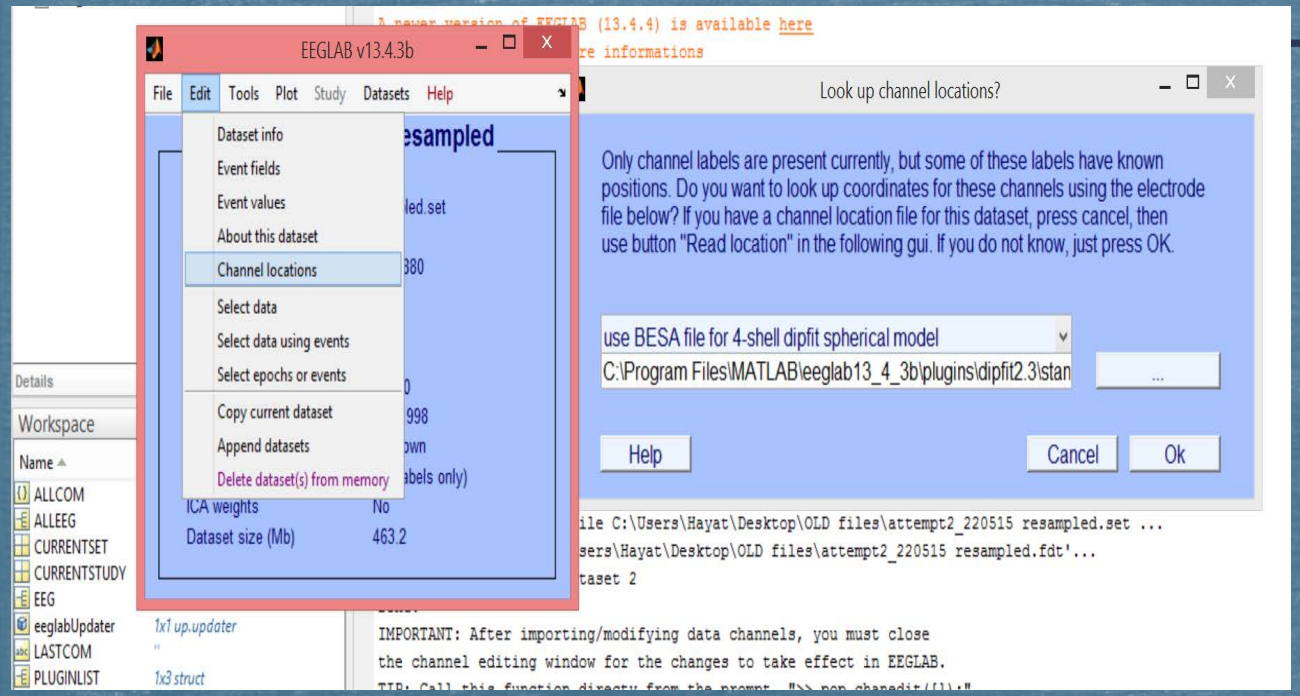
Tick the box below and remove all channels after EXG3 (including it)

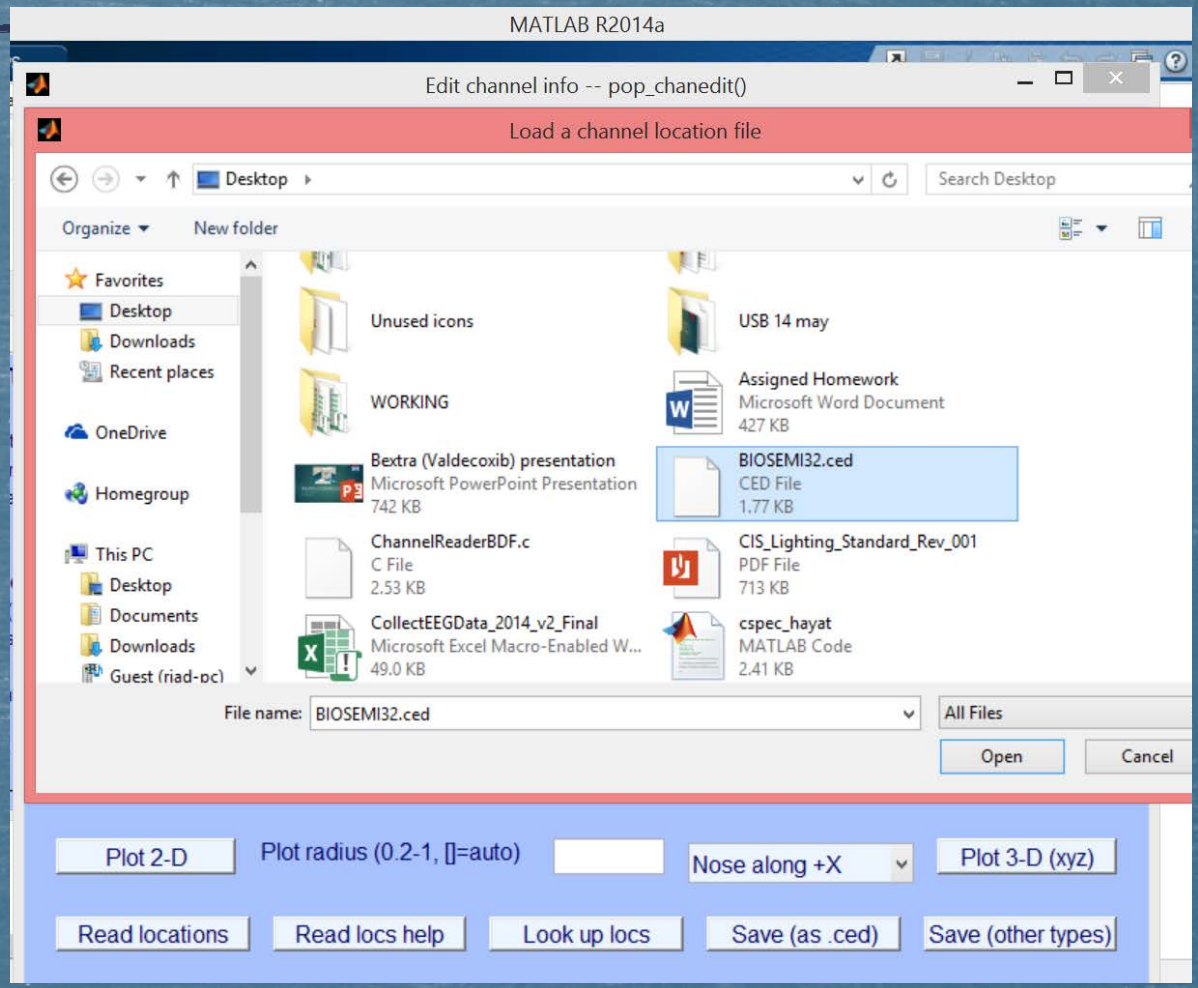


Referencing of EXG1 and EXG2



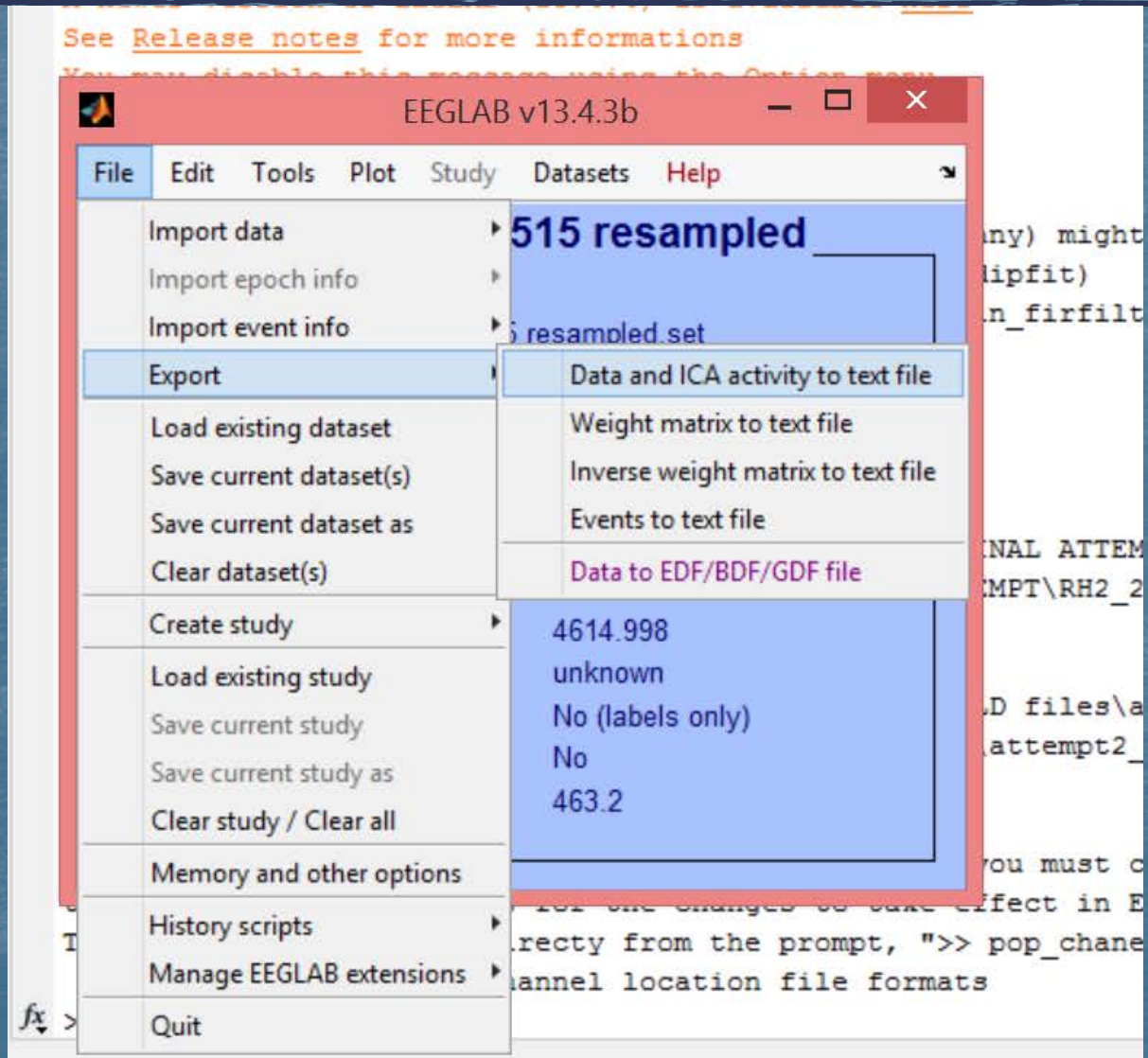
Name channels



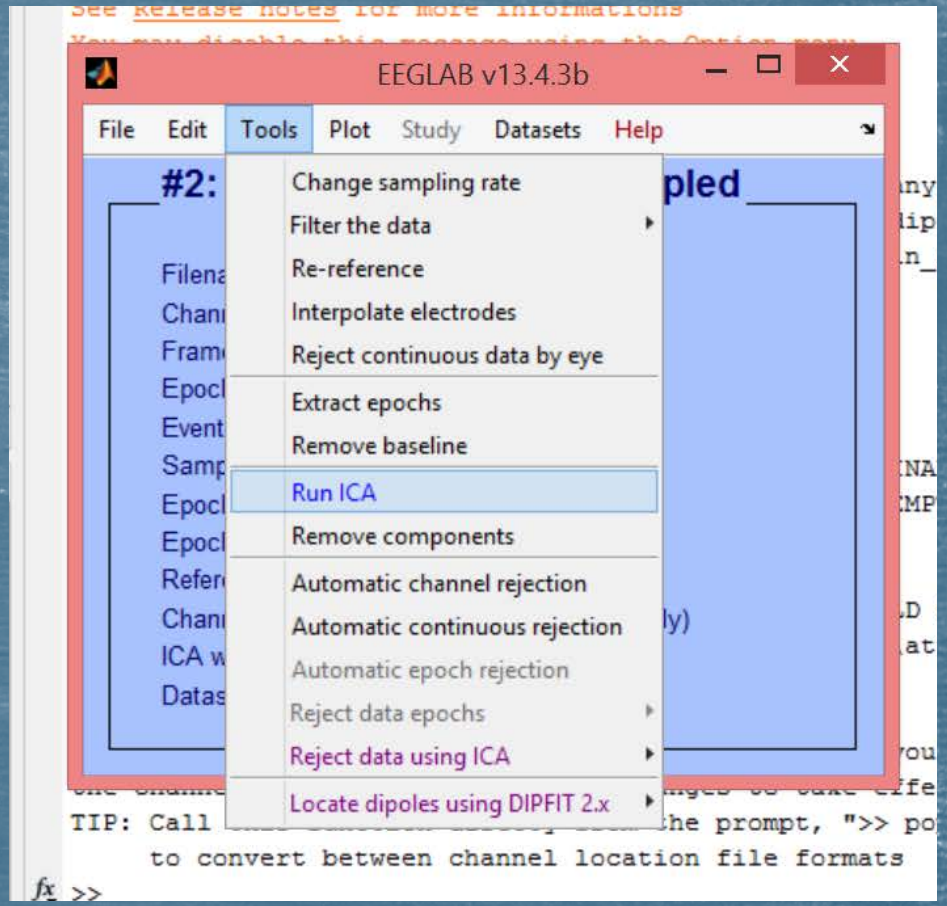


- Click ‘cancel’
- Read channel locations from ‘Biosemi32.ced” file

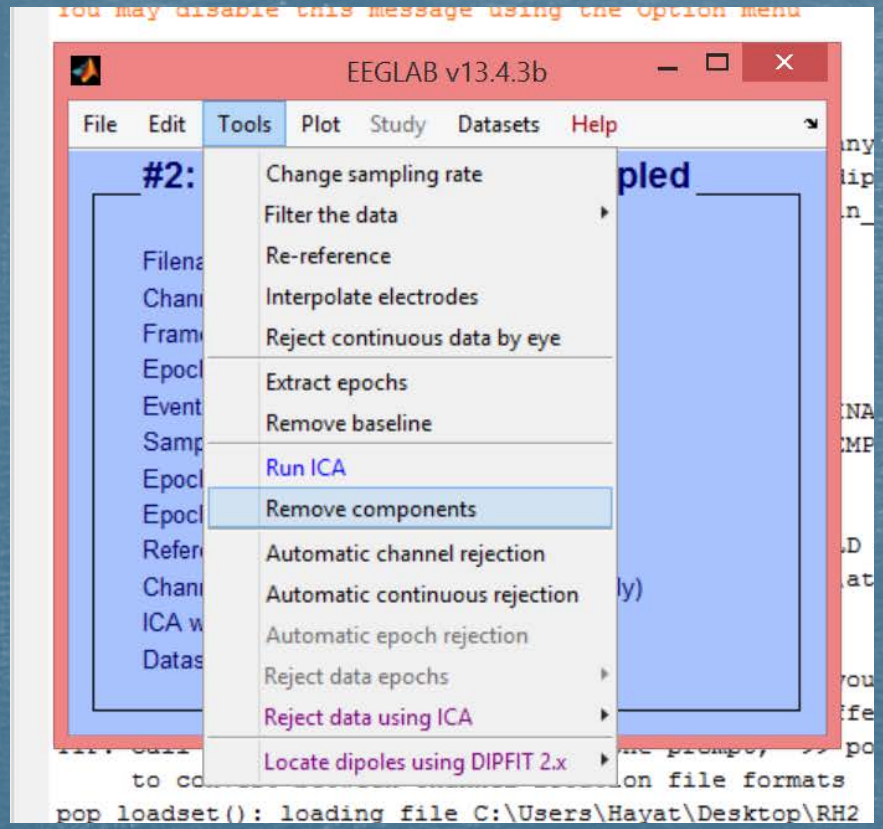
Exporting to text file

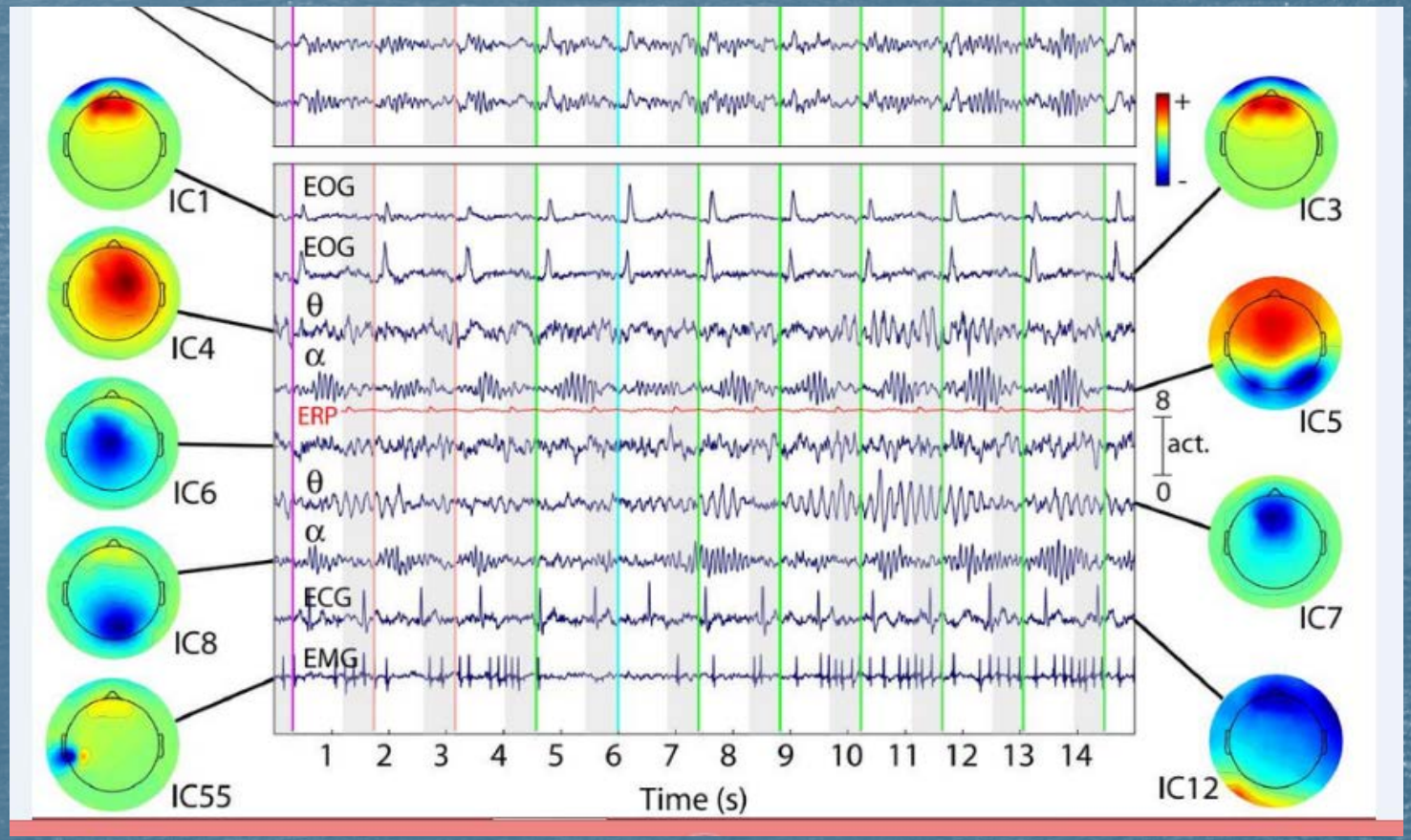


Performing ICA analysis & removing Eye blinks, ECG and EMG artifacts



To be done after data is cut into smaller files before power spectra and coherence correlation analysis





Removing artifacts (remove EOG, EMG and ECG)