

COREY FEINBERG, M.A.

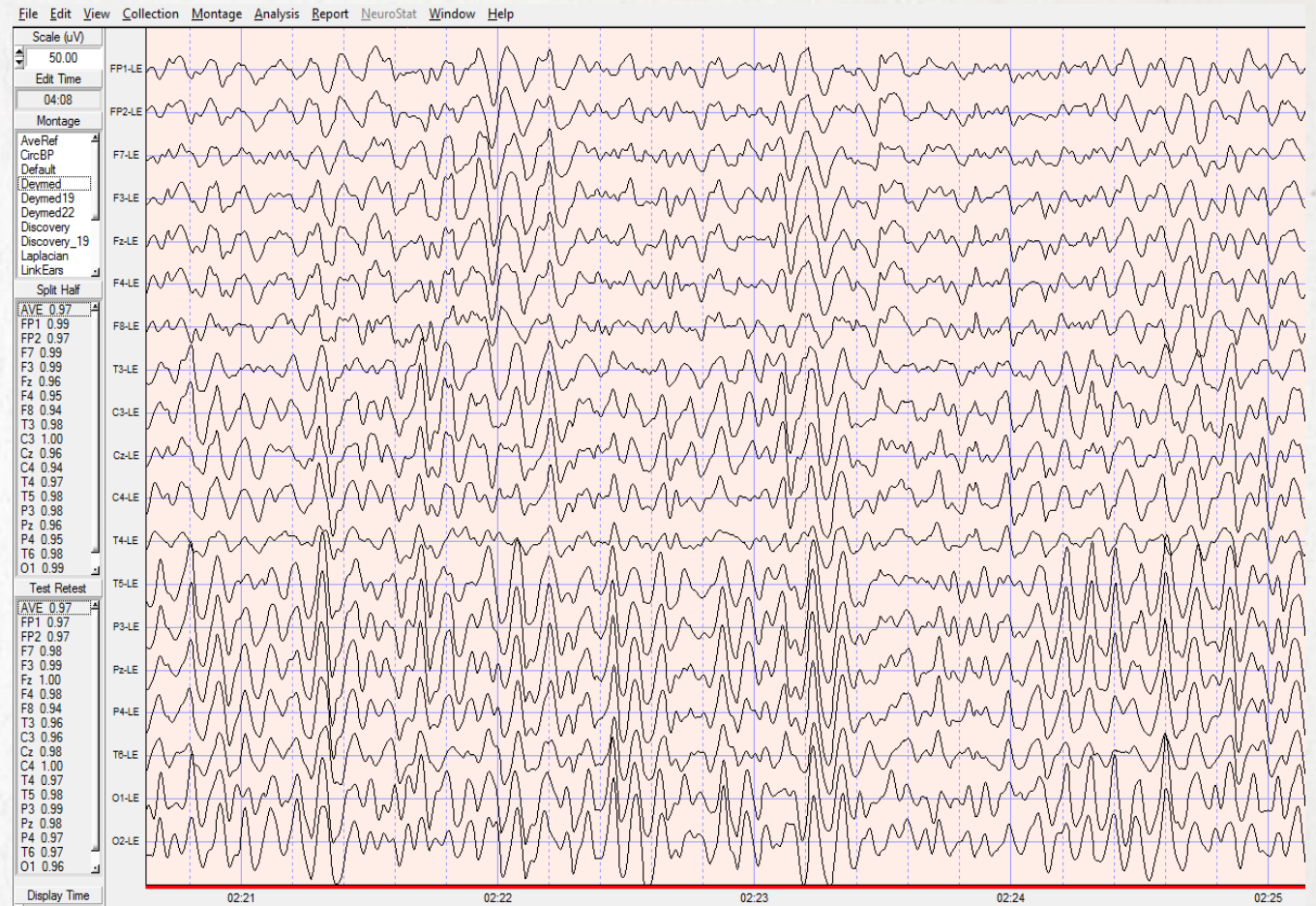
- EEG, QEEG, LORETA,
 - Brain scans showing the immediate effect of therapeutic eyeglasses.
 - Neuroquest Limited, Skokie IL.
 - Research articles: <http://www.neuroquest.net/drbarticles.html>
-

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- LORETA scans equivalent, fair comparisons:
 - Three dimensional X,Y,Z coordinate location is identical for both scans
 - Identical 17Hz frequency
 - Same scale of statistical significance: must exceed two standard deviations to be colorized.
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PROCEDURE ...CONTINUED

- Baseline EEG recording
 - ⇒ Resting state, eyes closed
 - ⇒ 19 channels, 5 minutes

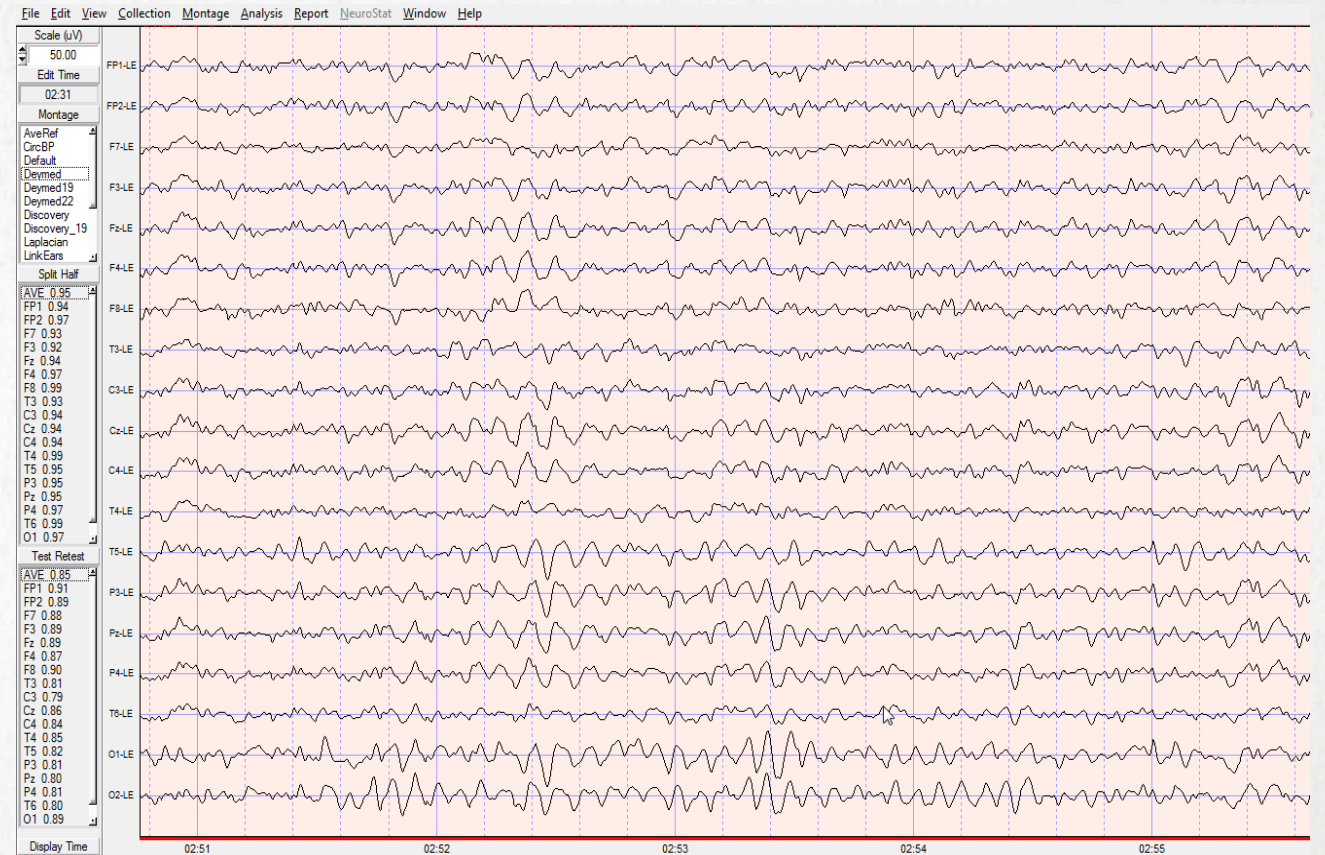


BASELINE EEG

PROCEDURE ...CONTINUED

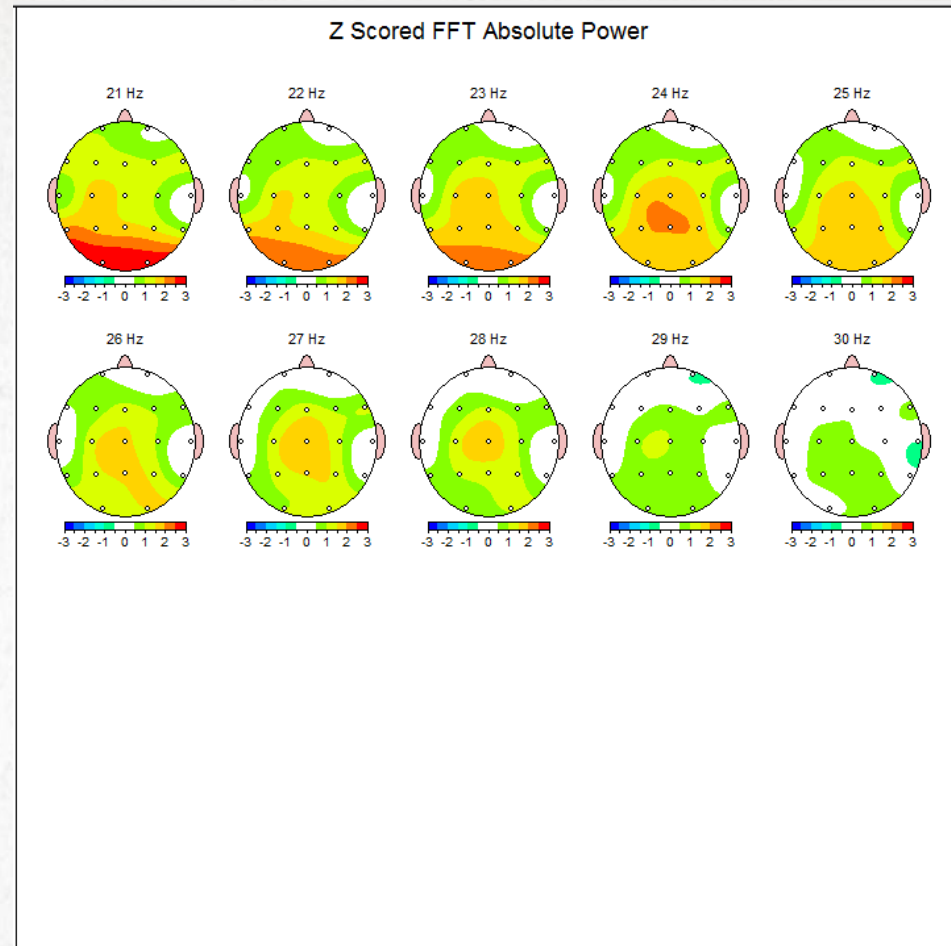
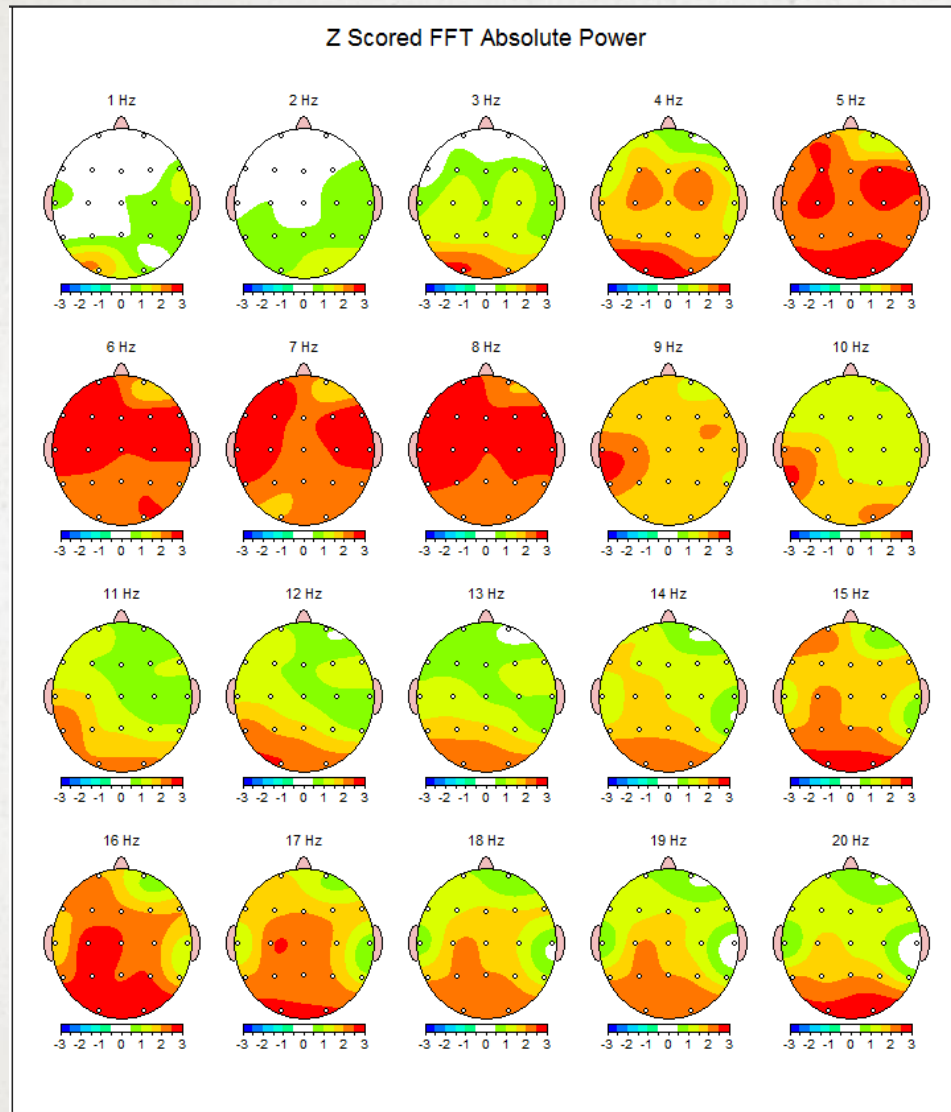
- Experimental condition EEG recording

- ⇒ Resting state, eyes closed
- ⇒ 19 channels, 5 minutes
- ⇒ Wearing customized eyeglasses



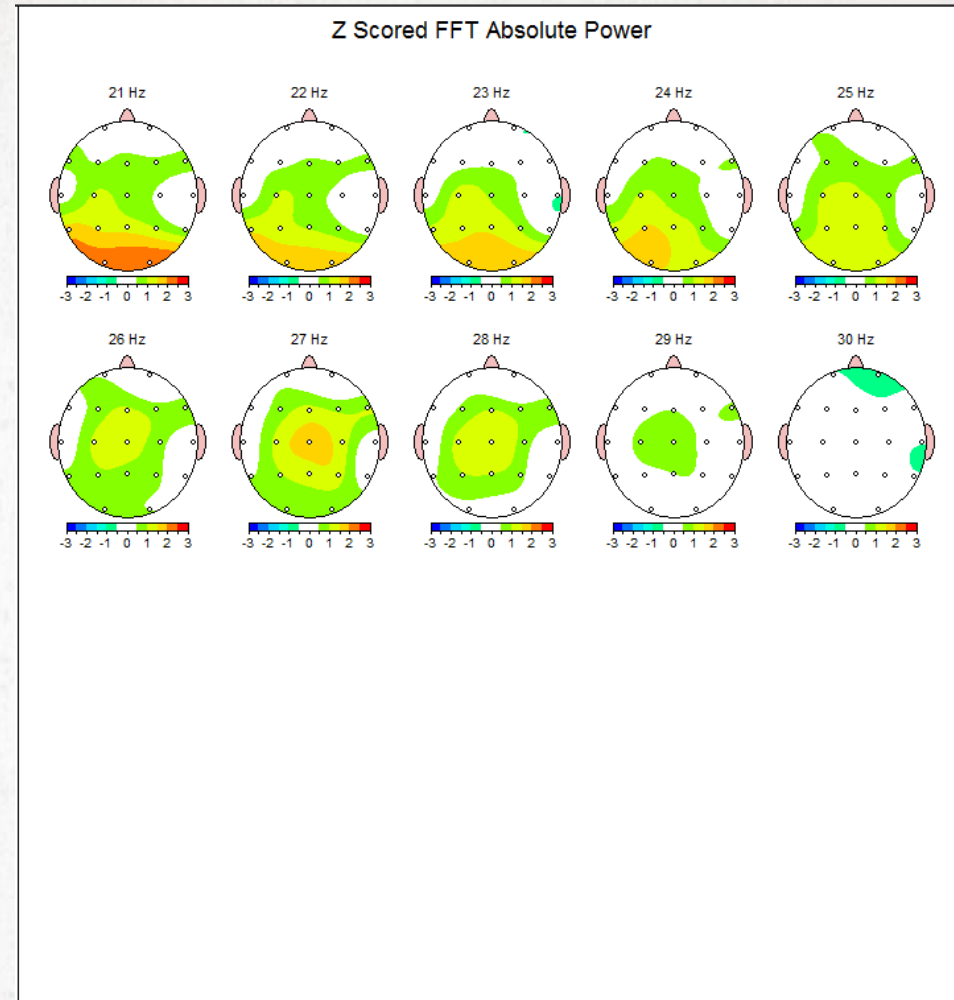
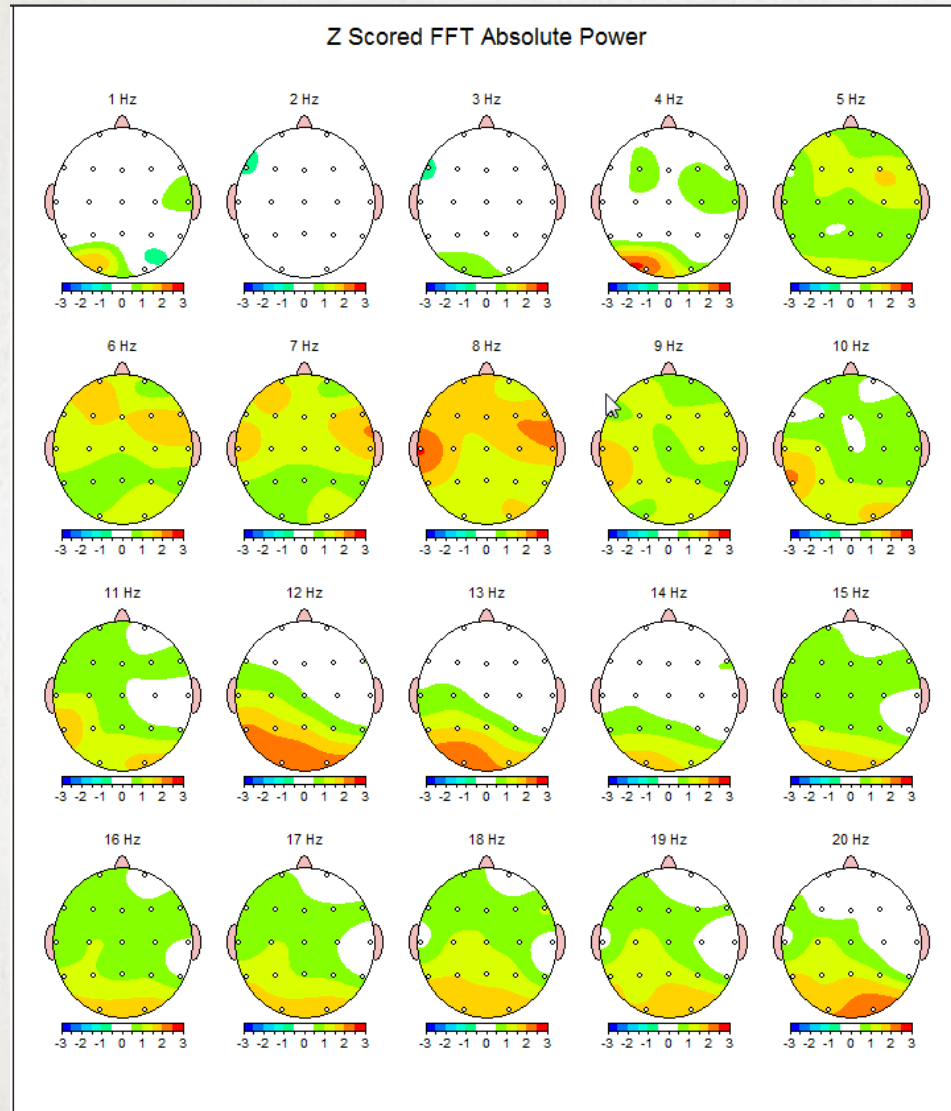
EXPERIMENTAL EEG

BASELINE...WITHOUT GLASSES



BASELINE QEEG

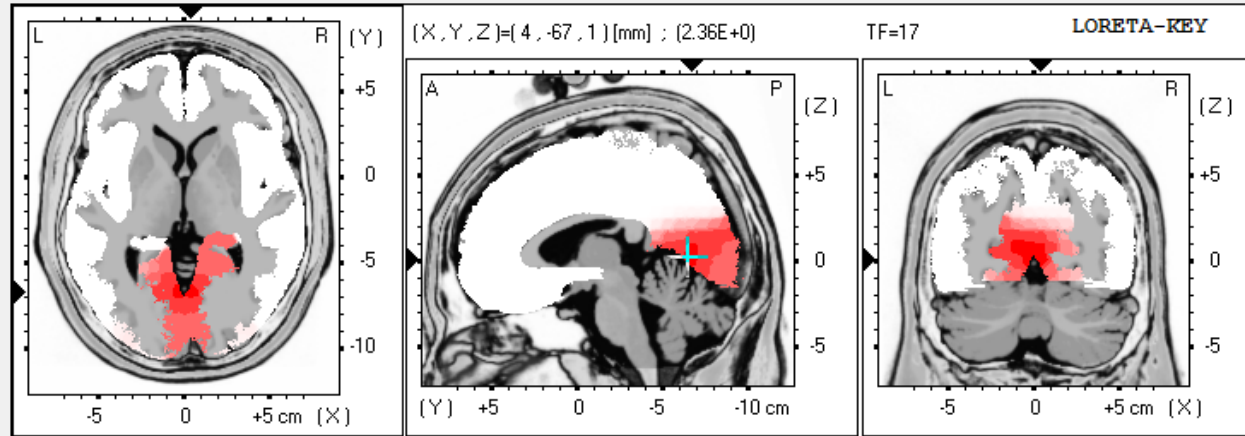
RESULTS WITH GLASSES



EXPERIMENTAL QEEG

BASELINE LORETA...WITHOUT GLASSES

File: C:\Program Files (x86)\NeuroGuide\Temp\5085.tmp[17]



Time Frame [1..30]:



Initial voxel:

- ☐ Jump to max
- ☐ Jump to min
- ☒ Jump to abs extreme
- ☐ Fixed point
- ☐ Bottom/left/back

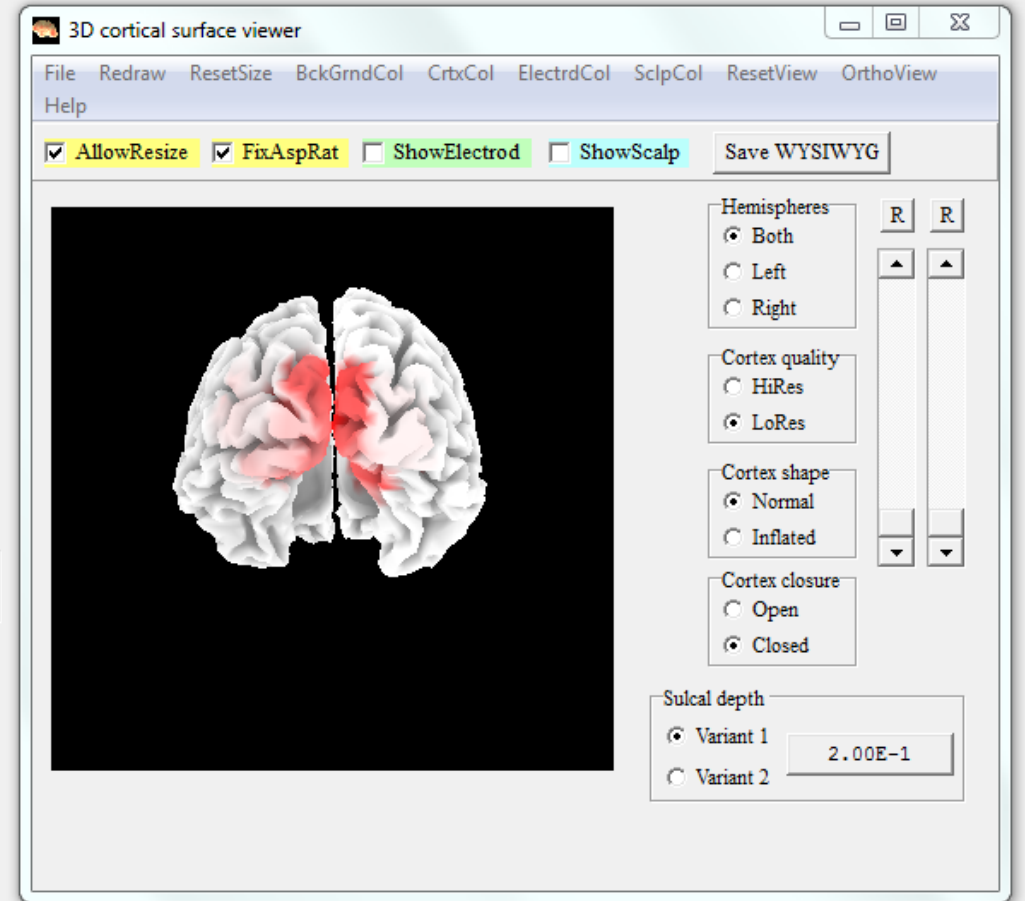
Copy to clipboard

Play sequence:

TF1: 1 TF2: 30 Delay: 0 Play Stop Save

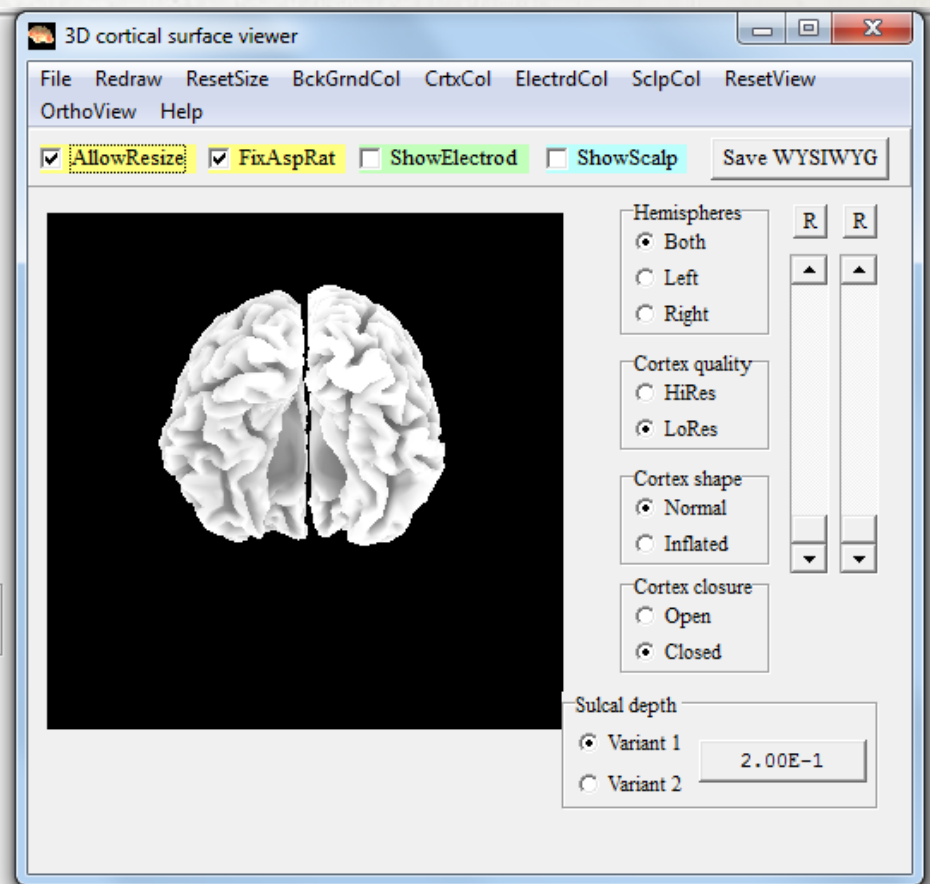
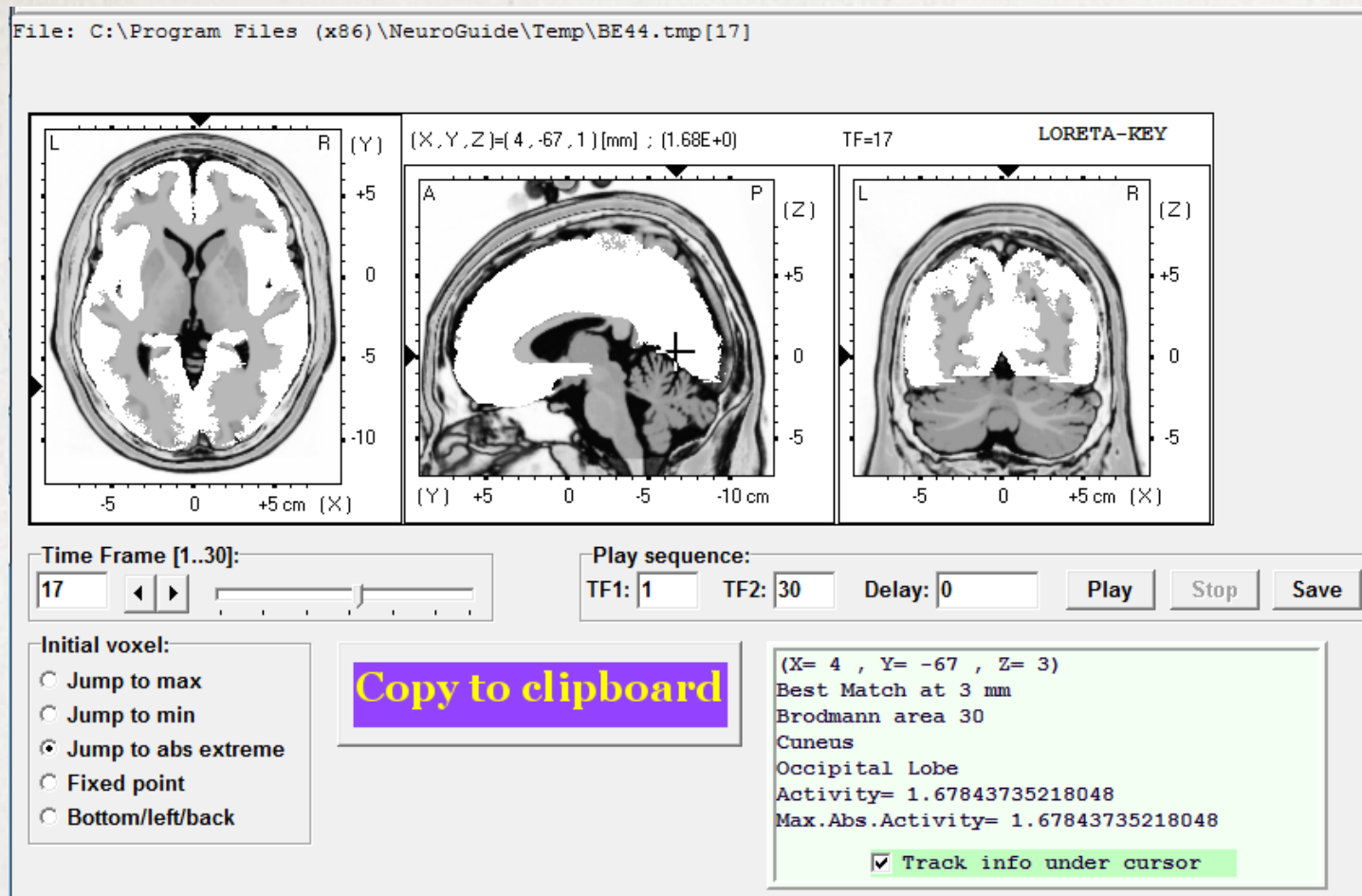
(X= 4 , Y= -65 , Z= 2)
Best Match at 4 mm
Brodmann area 30
Cuneus
Occipital Lobe
Activity= 2.35789823532104
Max.Abs.Activity= 2.35789823532104

☒ Track info under cursor



BASELINE LORETA

RESULTS...WITH GLASSES



EXPERIMENTAL LORETA