

Power Point Manual

Get On The
BUS



BrainMaster
Universe
Simplified



“Alert”
Level 2

Alert

Level 2

- How can I modify the artifact threshold to eliminate the effects of artifact (i.e. excessive eye blinking) from effecting training.

Alert

Level 2

- The default artifact threshold is set at 240 microvolts which is suitable for most situations.
- However, sometimes clients show up with issues which produce high amplitude artifact such as excessive eye blinking due to contact lenses or dry eye.
- This module shows you how to increase the amplitude of the artifact filter to help accommodate these situations.

FIRST: It is so very simple to make changes and experiment with BrainAvatar Settings Files without concern because if something just doesn't seem to work as planned, you always can reload the original Settings File you downloaded to your system.

Consider manipulating the settings in your working folder as a sandbox. You can always replace it with the original setting file.



Alert

Level 2

Lets Begin

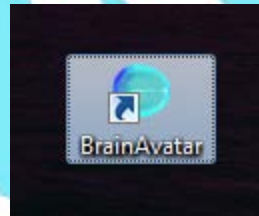
- Make Sure the Atlantis Amplifier is plugged in.



Alert

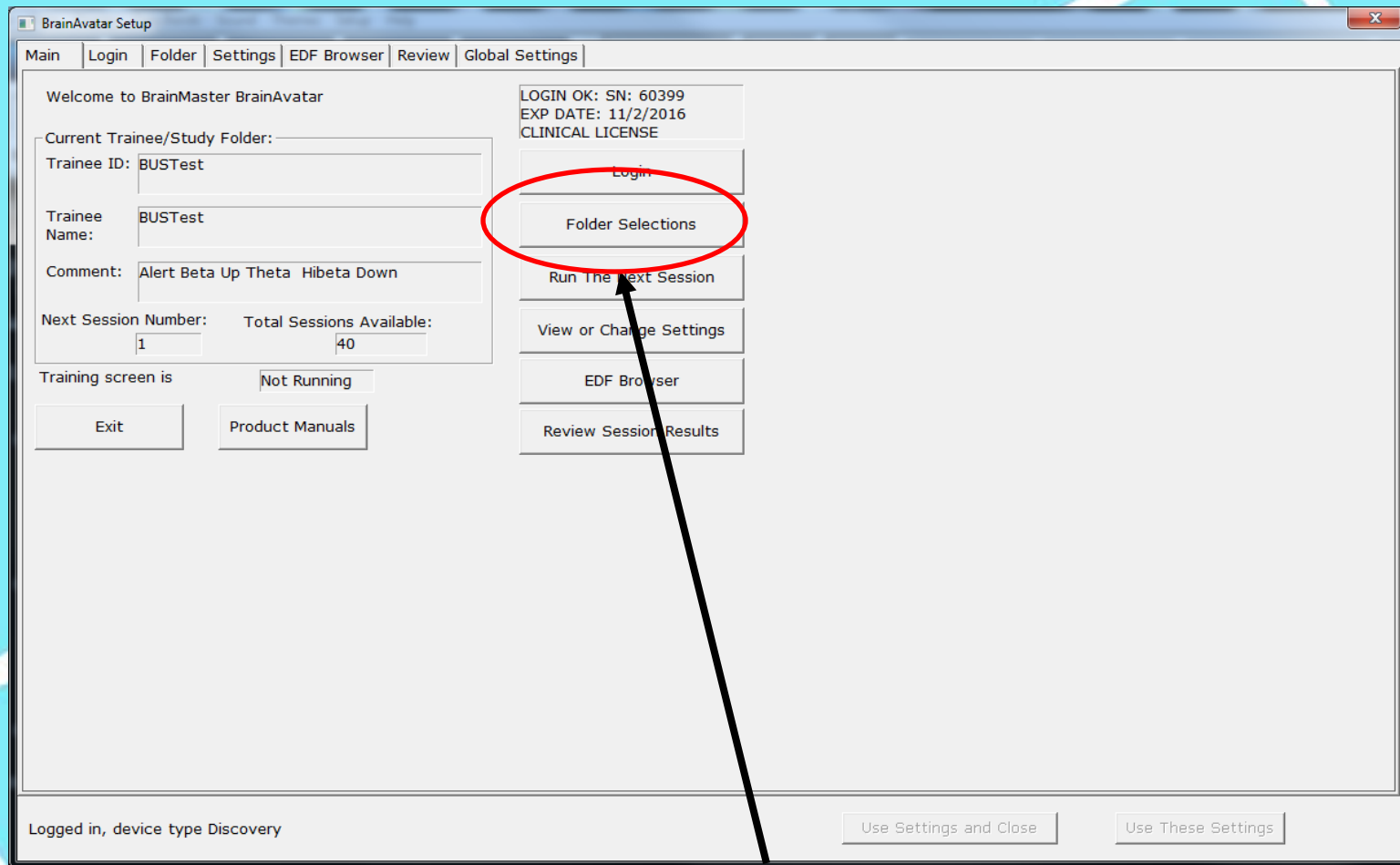
Level 2

- Open BrainAvatar by double-clicking the BrainAvatar Icon



- The Select Folder Screen will appear.
- By now you should know how to either create a new client folder or recall an existing client folder.
- For the purposes of this exercise let's open and utilize the "BUSTest" Folder which may already be resident on your system. If not, then create one.

- The BrainAvatar Setup Window will Appear.



- Click "Folder Selections".

- The Select Folder Screen will appear.

BrainAvatar Setup

Main | Login | Folder | Settings | EDF Browser | Review | Global Settings

Select Folder | Create Folder | Folder Notes | Session Librarian | Edit Folder Info.

Select Folder: (you may double-click to select)

Study Name	Birth Date	Sess	Max	Comment	Technician	Physician	Trainee Name	Created	Modified
..									
BUSTest	2000-7-4	40		Alert Beta Up T...	EEG tech		BUSTest	2016-8-3	2016-8-3

Study Name (Trainee ID):
BroJad4chPZOKP3P4O1O2

Trainee Name:
BroJad4chPZOKP3P4O1O2

Comment:
comment

Sessions Used: 4

Max Sessions: 40

Session Librarian

Administer Session Genie

Push Current Study to Server and Delete

Archive Current Study

Archive Current Study and Delete

Create New Folder

Folder Notes

Edit Folder Info.

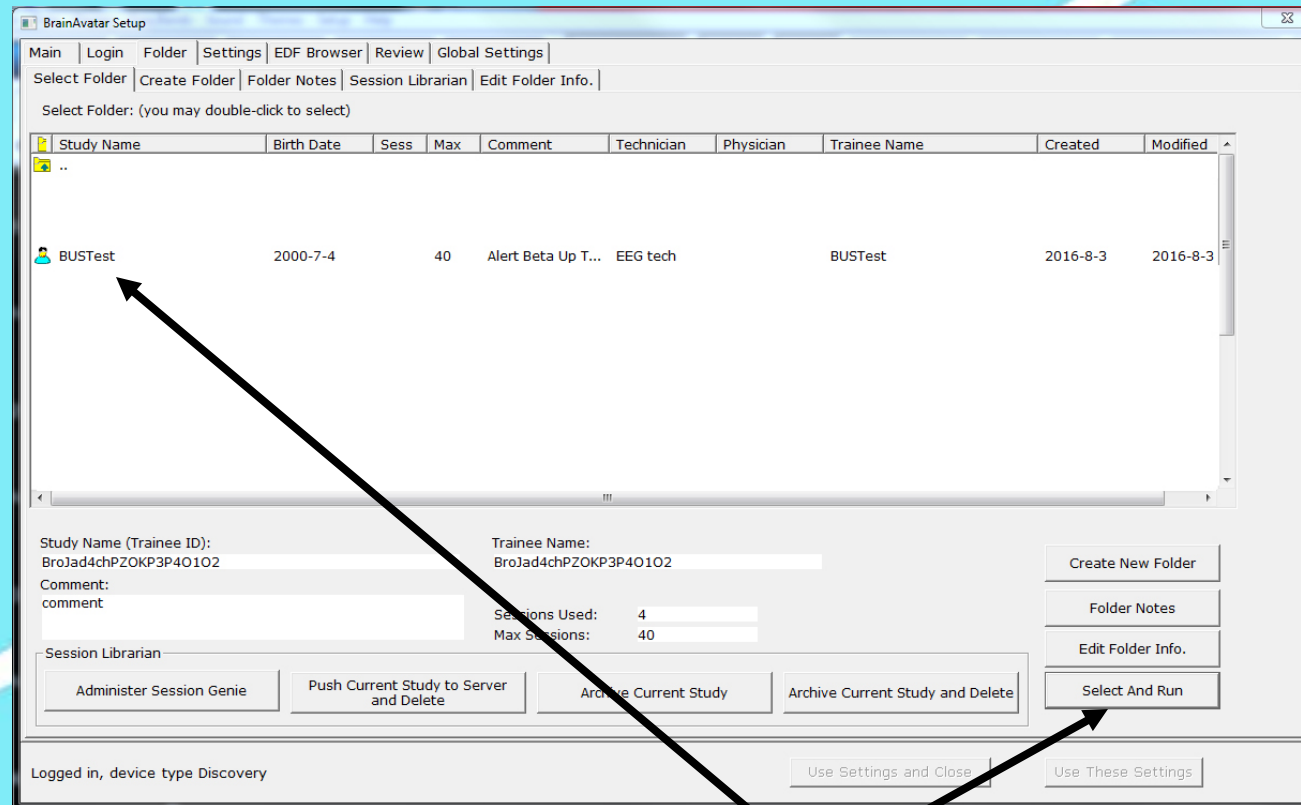
Select And Run

Logged in, device type Discovery

Use Settings and Close

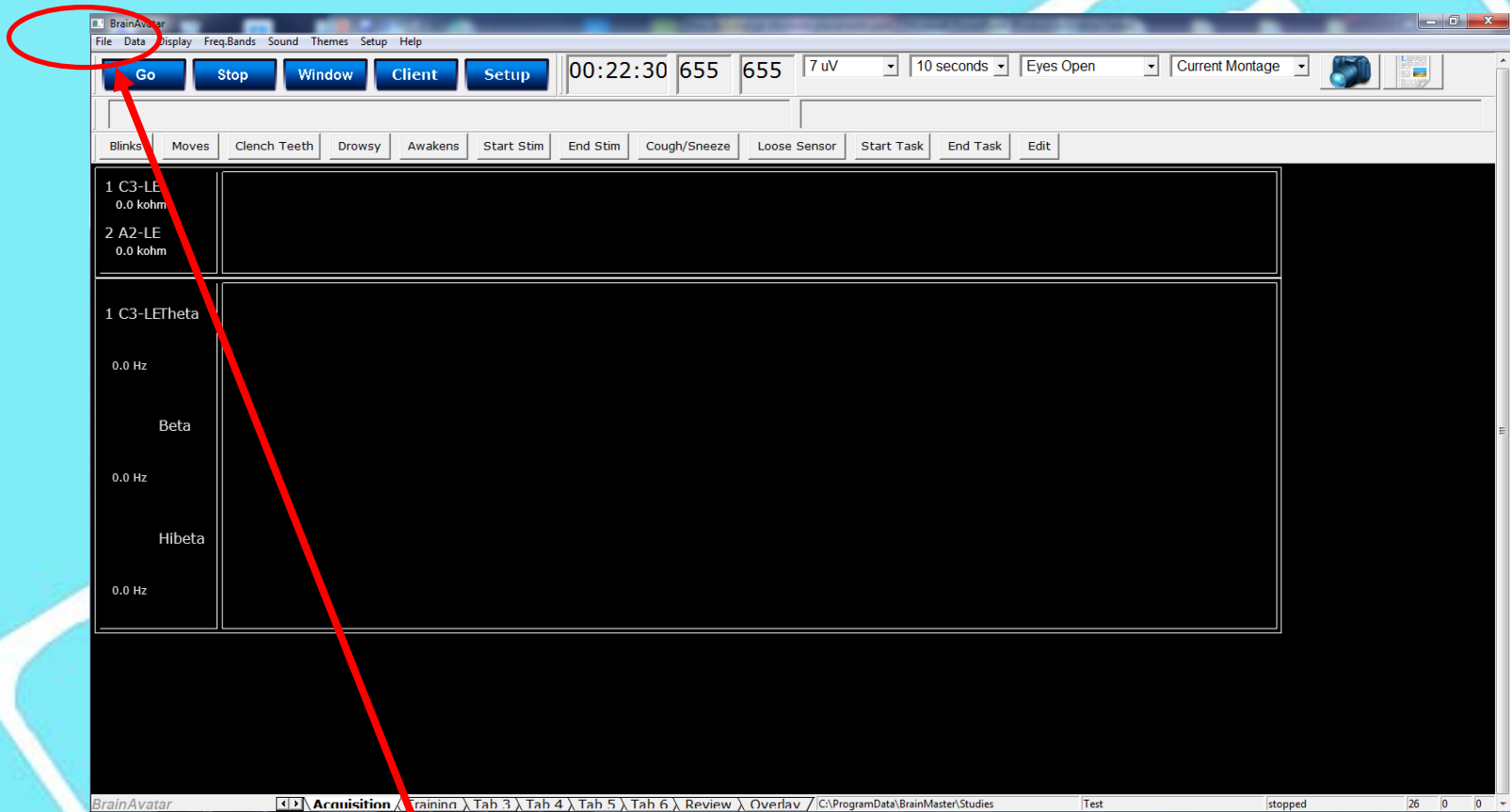
Use These Settings

- The Select Folder Screen will appear.



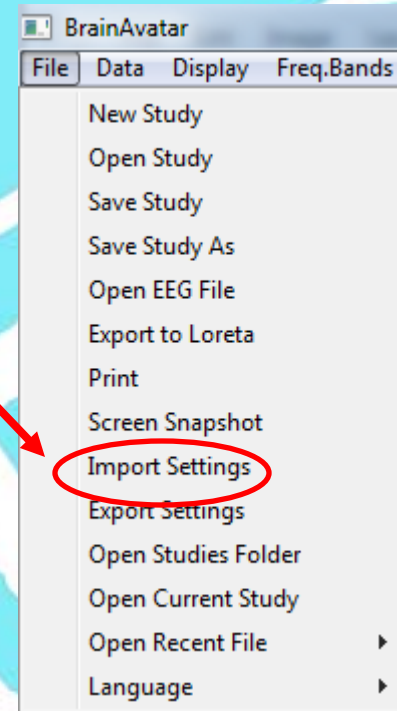
- Click the Study (Folder) you would like to open (in this case BUSTest) and then click “Select and Run”.

- The BrainAvatar Acquisition Screen is illuminated. Let's load the original ALERT Level 1 Setting File.




- Click “File” from the Main Menu at the top.

- Next click “Import Settings”.



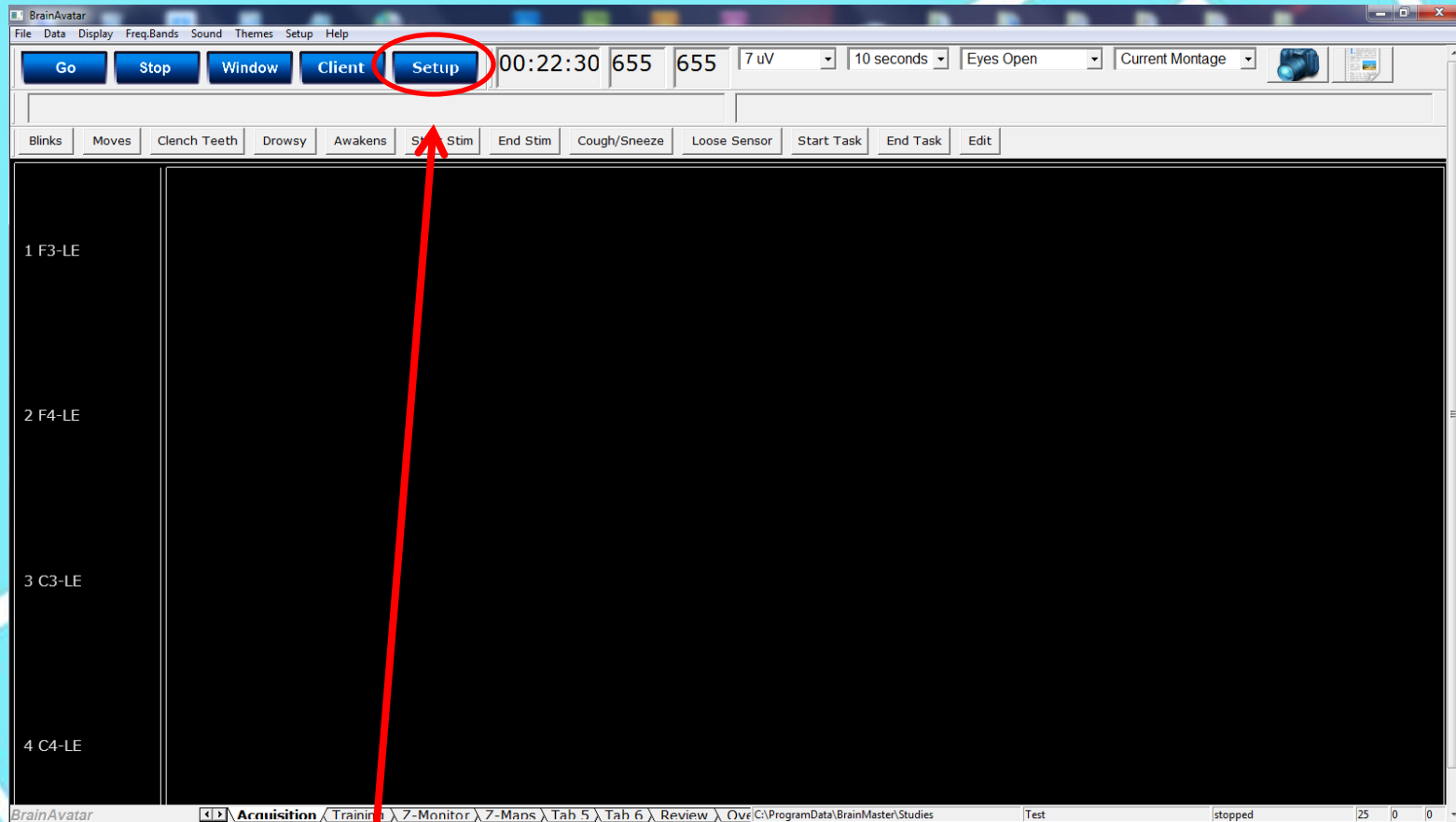
- Scroll to find the original Alert Level 1 File and double click it.

Name	Date modified	Type	Size
 0201001Alert.bdb2	11/20/2015 12:31 ...	BDB2 File	142 KB

- The original Alert Level 1 setting is imported into the Client’s Study and is now ready for modification.

ALERT

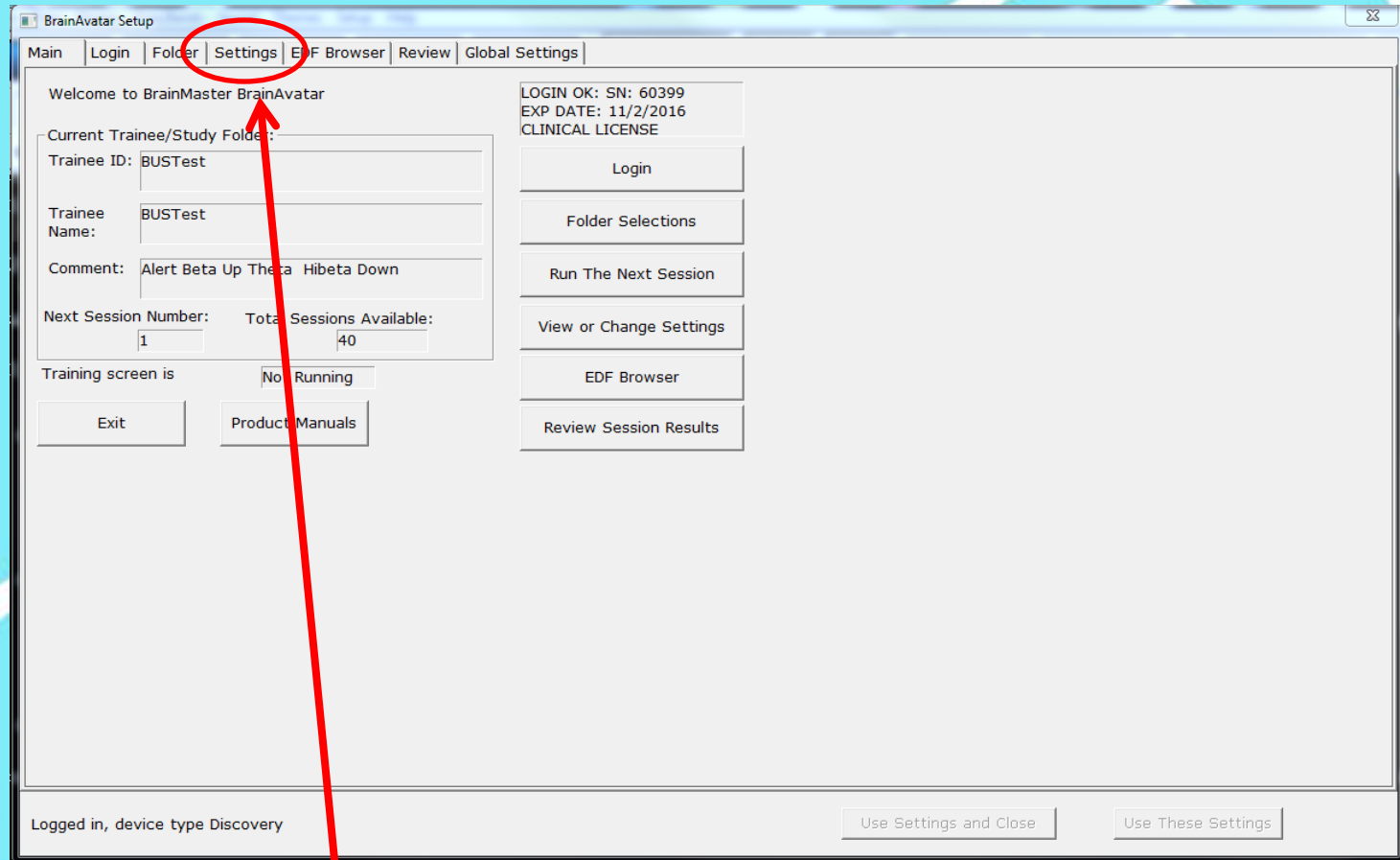
The Protocol is now ready for Modification



- Click “Setup”.

ALERT

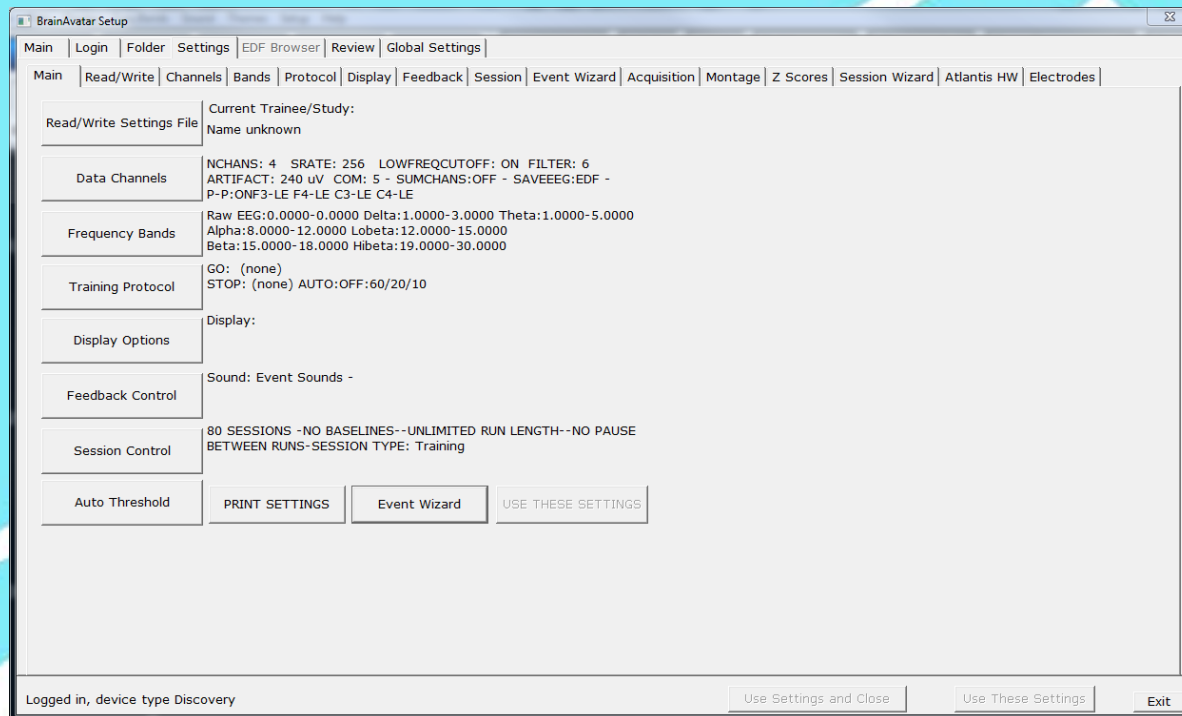
The Protocol is now ready for Modification



- Click “Settings”.

ALERT

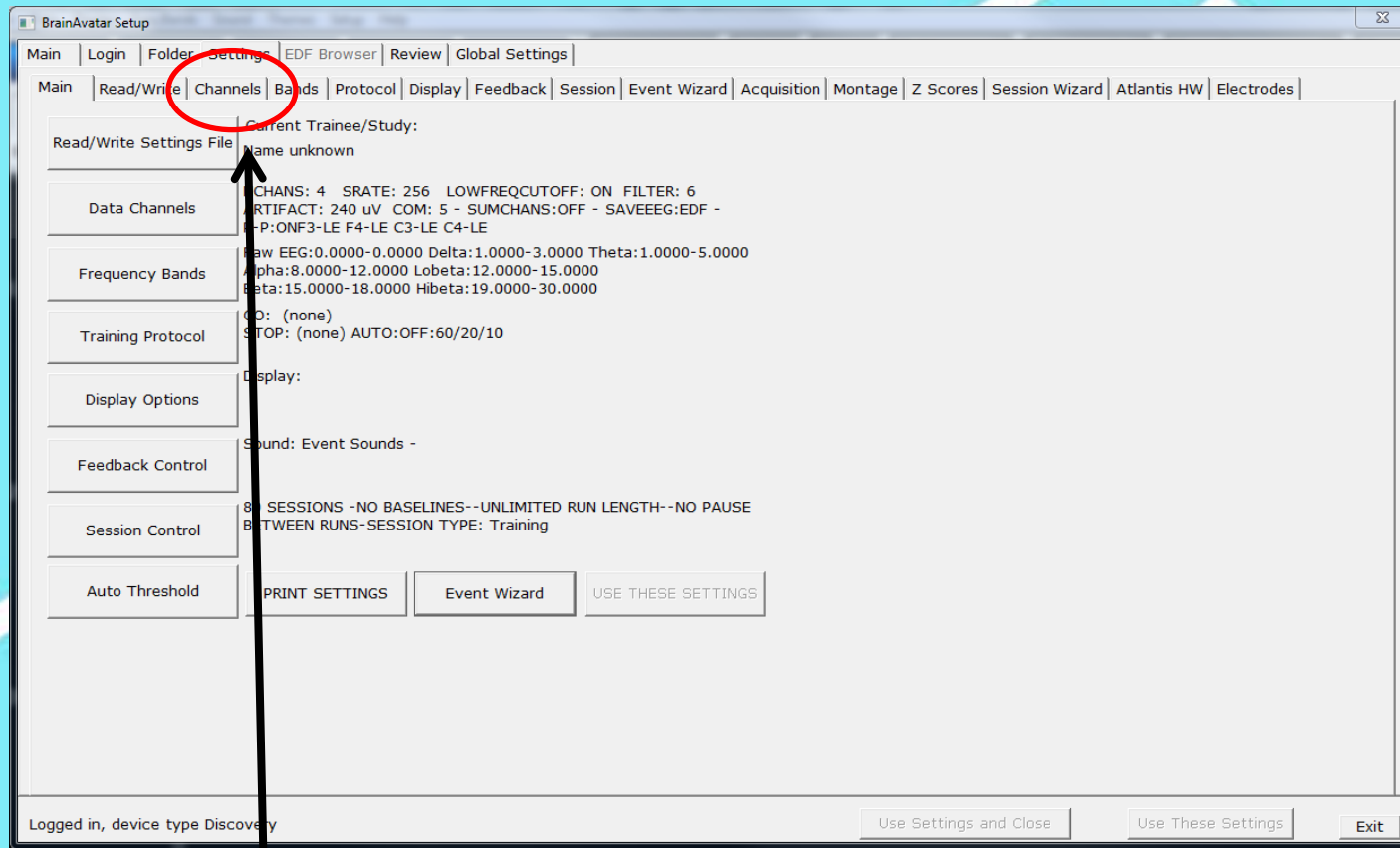
The Protocol is now ready for Modification



YOU ARE NOW ABOUT TO ENTER THE “BRAIN CENTER” OF THE BRAINAVATAR PROGRAM. ANY HAPHAZARD MODIFICATIONS HERE WITHOUT KNOWLEDGE MAY CAUSE UNPREDICTABLE RESULTS. THIS INSTRUCTION MANUAL WILL GIVE YOU THE PROPER KNOWLEDGE TO ALTER THESE CONTROL SCREENS WITHOUT CONCERN. AGAIN, YOU CAN ALWAYS INSTALL THE ORIGINAL SETTING FILE IF NECESSARY.

ALERT

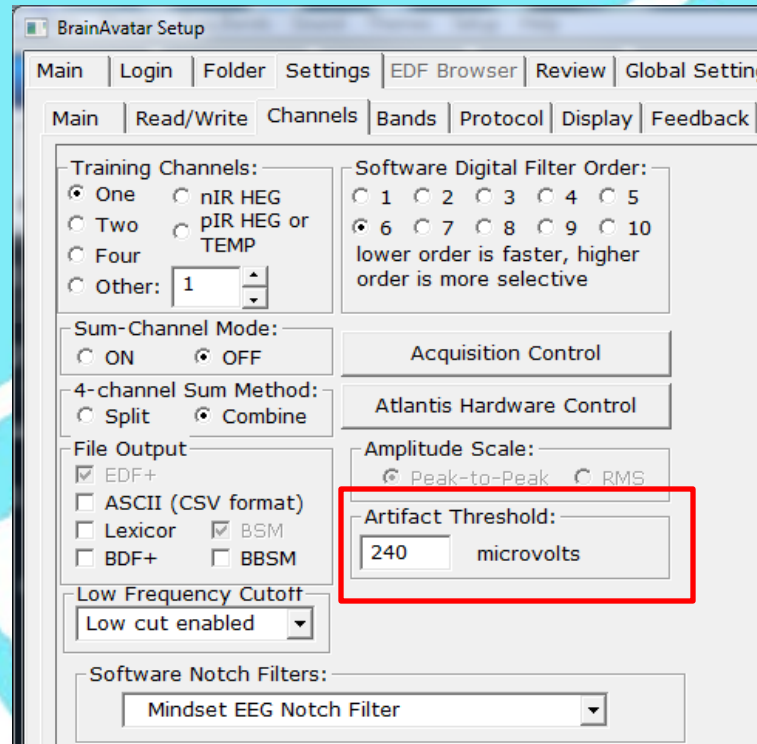
The Protocol is now ready for Modification



Click "Channels".

ALERT

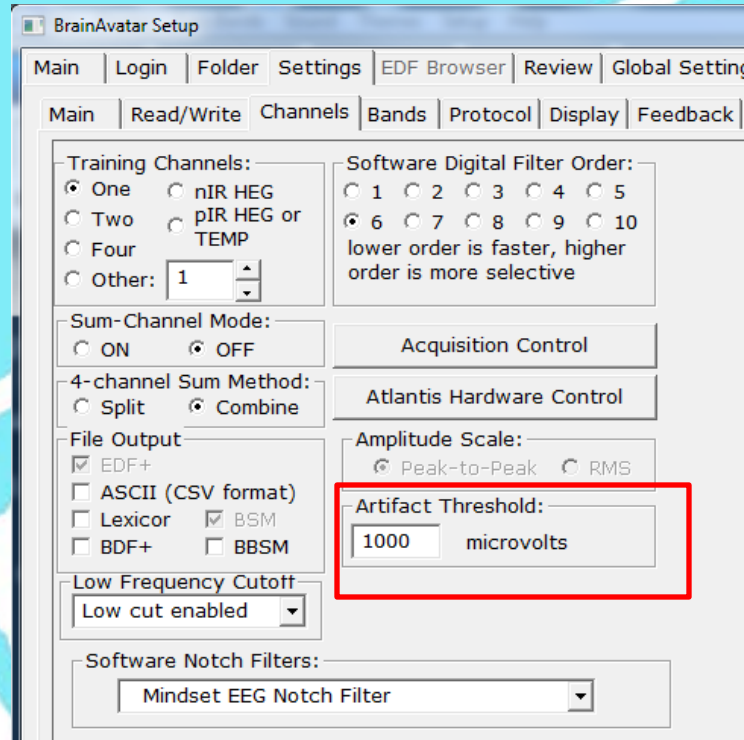
The Protocol is now ready for Modification



Within the Channels Screen you will notice a box displaying Artifact Threshold. This setting will sound a ding and place a red bar across the EEG whenever artifact (i.e. eye blinks) exceed 240 microvolts within the EEG). If a client is wearing contacts or has dry eye and blinks incessantly this could be annoying and detract from the feedback session.

ALERT

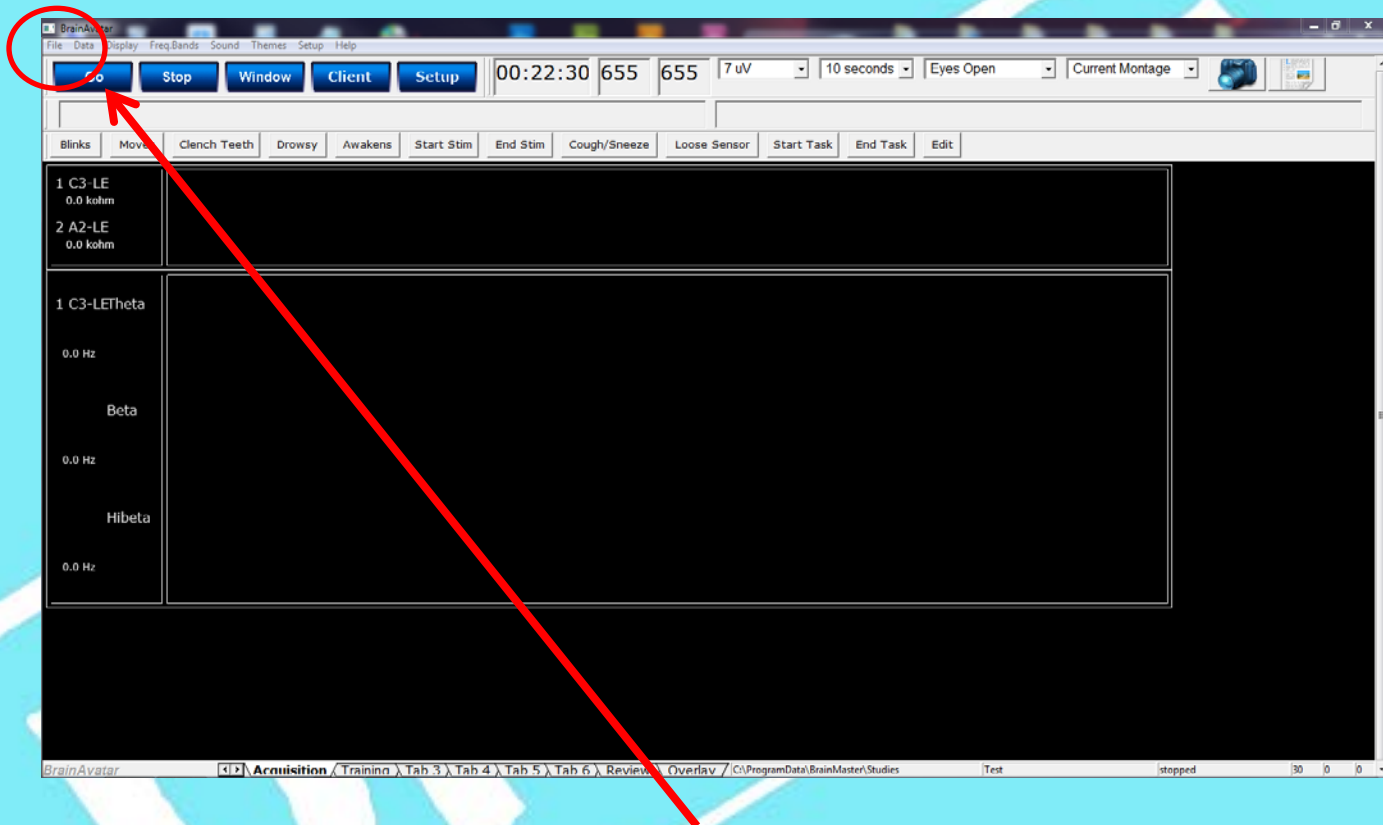
The Protocol is now ready for Modification



By increasing this threshold to a value which exceeds the artifact deflection you may eliminate the annoyance.

ALERT

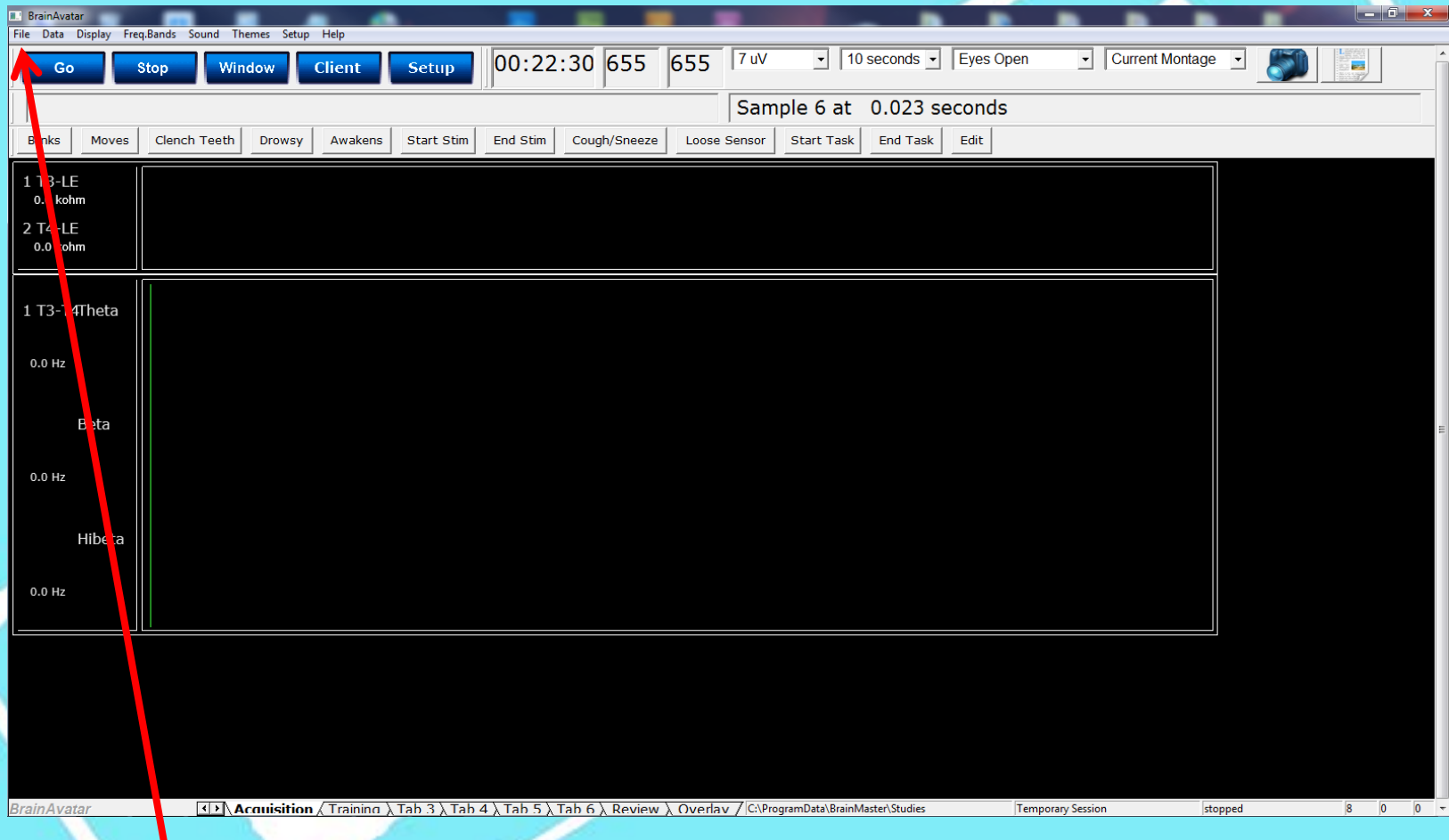
The Protocol is now ready for Modification



Once you close the Settings Screen you are returned to the “Acquisition Tab” of the Protocol. You may now save the changes made as we have performed in previous exercises.

ALERT

The Protocol is now ready for Modification

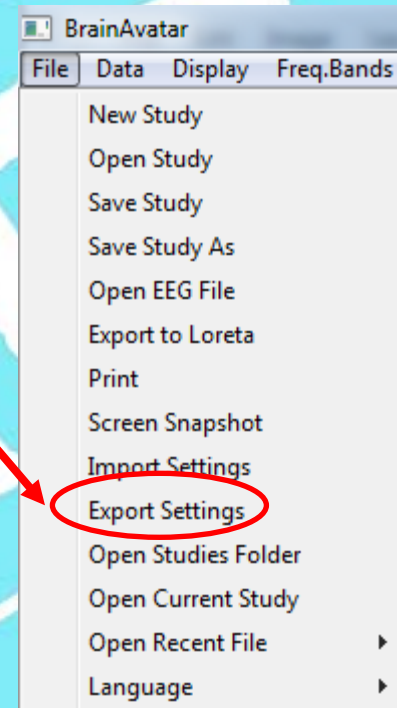


Click "File".

ALERT

Level 2

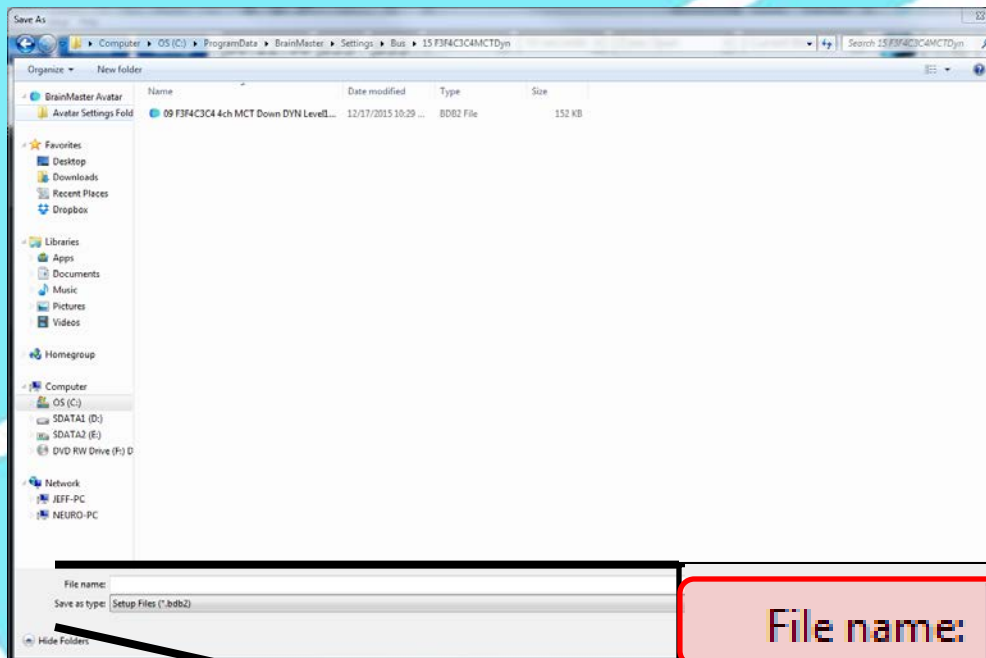
Next click “Export Settings”.



ALERT

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Find the folder where you keep these settings and name the file appropriately in the “File Name:” window.



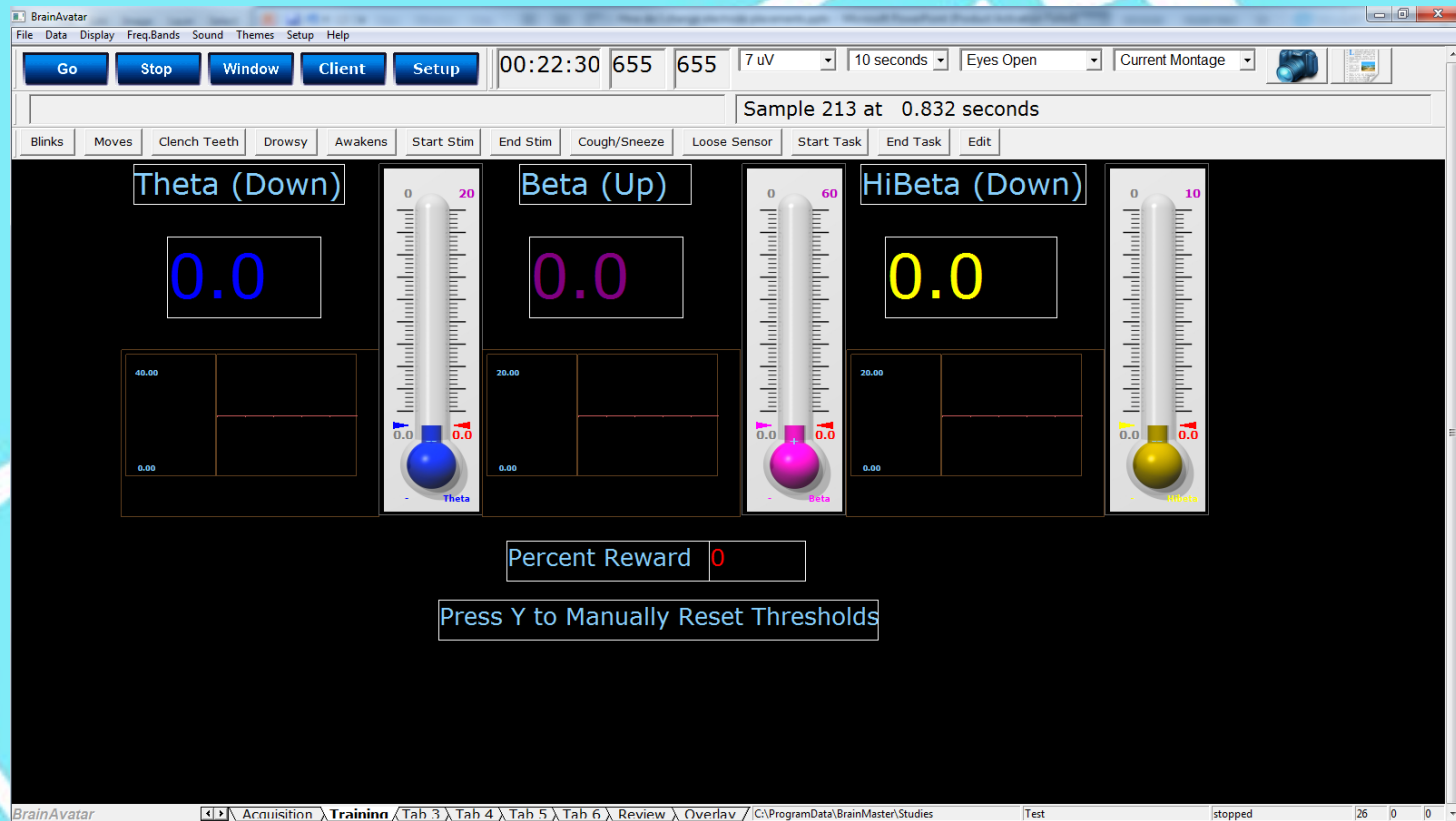
File name: 0202007Alertartthresh.bdb2

Save as type: Setup Files (*.bdb2)

ALERT

Level 2

The Protocol is now ready to run with the revisions made.



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