**Run\_experiment.m**

3 modes available from the menu displayed in the PTB window:

1, Calibration:

* Use mouse to click on targets to turn on/off targets
* Left arrow on keyboard: decrease eccentricity
* Right arrow on keyboard: increase eccentricity
* Down arrow on keyboard: decrease background density
* Up arrow on keyboard: increase background density
* Return on keyboard: turn background on/off
* F1: decrease target size
* F2: increase target size
* F3: change target colour (R value)
* F4: change target colour (G value)
* F5: change target colour (B value)
* F9: change top left target frequency
* F10: change top right target frequency
* F11: change bottom left target frequency
* F12: change bottom right target frequency
* Press “Q” on key board to quit Calibration mode and back to menu.

2, All targets with same frequency 15 Hz: (48 trials and one practice)

* Press “Q” on keyboard to quit Calibration mode and back to menu.

3, four targets with different frequencies:

* As above

In menu mode: press “ESC” on keyboard to quit program.

To hard abort (in case of failure/freeze) press ctrl+c repeatedly (this cancels running scripts). Then hold Ctrl+alt+del to bring up task manager, where you can close the PTB open window.

***BCI specifics (Monash Biomedical Imaging only)***

***On EEG laptop***

***Open Brain Vision Recorder, ensure your wrksp file is loaded.***

* *Ensure that remote data access is enabled (Preferences->Configurations-> check the box)*
* *Navigate to BCIlabdev on desktop, open mytesting3.m in Matlab. Then run with participant name as input (when prompted).*