## Artificial Eye Measurement Performed on 15-Apr-2015

Artificial eye measurements in three trials. The duration of each trial is 10 seconds.

	Trial 1	Trial 2	Trial 3
Std_Hor(mv)	2.132	2.050	2.235
Std_Ver(mv)	1.378	1.313	1.340

Trial 1 Trial 2 Trial 3 10 10 10 Hor Eye tracker output (mv) Eye tracker output (mv) Eye tracker output (mv) Ver 0 0 -5 -5 -5 -10∟ 0 -10∟ 0 -10∟ 0 10 4 6 Time (s) 10 4 6 Time (s) 4 6 Time (s) 8 2 10 2 8 2 8 Trial 1 Trial 2 Trial 3 Power/frequency (dB/Hz) Power/frequency (dB/Hz) Power/frequency (dB/Hz) -<mark>6</mark>5 -65 -65 -70 -70 -70 -75 -75 -75 -80 -80 -80 -85 -85 -85 -90└─ 0 -90∟ 0 -90<sup>L</sup> 0 500 500 100 200 300 400 100 200 300 400 100 200 300 400 500 Frequency (Hz) Frequency (Hz) Frequency (Hz)

Figure 2: Top row represents the eye tracker output in horizontal and vertical axis for each trial. The bottom row are the PSD of the output calculated by Welch method. Each column refers to one trial.

**Important note:** This measurement was done after updating the EyeRIS and before Warren's visit. One of the motors (the 4<sup>th</sup>) seems not to function well.

Table 1: Standard deviation in horizontal and vertical axis.

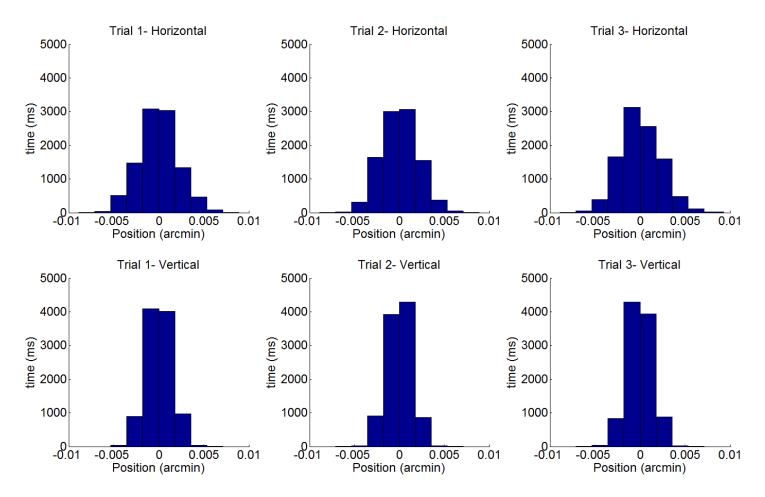


Figure 3: Distribution of the eye tracker output in horizontal (top) and vertical (bottom) axes. Each column refers to one trial.