Comparison of MindFlex Attention readings between thinking “Left” and “Right”.

Trial 1 has all bad signals so I through it out.

Trial 2.

2013\_05\_27, Trial 2. For our first set of Attention data points, “thinkRight” appears to favor a range between 45 & 55 Attention Units and “thinkLeft” appears to have an average of ~25 AU and a range between 0 and 55. If we take the average of 10-20 readings, we should be able to characterize the signal enough to provide a Left/Right switch. 25+-10=Left, 55+-10=Right. If these values are repeatable, and the ranges are consistent, it may be valuable to take a “resting state” reading and see where its averages fall out. If it is distinct from these two readings, it could be a “hover” command. And furthermore, if the “average” command passes a certain benchmark, the quadricopter will return to the user.

…But we are getting ahead of ourselves. We need to repeat the experiment:

Trial 3.

2013\_05\_27, Trial 3. For our third trial, AU’s for “right” and “left” are 51 across the entire sampling time. This doesn’t bode well for a control mechanism!

Still ahead of ourselves…more Trials!