Argus Science ETReact

ETReact is a system designed to help investigate the relationship between visual response and motor response. More specifically, it is designed to measure the time required for a participant to visually search for a target and then to strike that target with one hand.

Among other things, measurement of these relationships may prove useful for evaluating Sports Performance, and may assist in "Return To Play" decisions after Traumatic Brain Injury.

Argus Science has partnered with Rugged Interactive to create *ETReact* by integrating Argus Science's *ETMobile*, and *ET3Space*, with a version of Rugged Interactive's *Cardio Wall*.

Participants are instructed to strike, as quickly as they can, any target that turns red.

The *ETReact* system can immediately provide critical response times, including the stimulus onset time (T0), time to fixate (TF), and time to strike the target (TT). To determine participant bias, the target sequences may be fully randomized or weighted towards a particular sector. A report on number of strikes, time factors and fixation visualizations are produced without requiring any intermediate analysis steps or procedures.

Please contact Argus Science for more information.
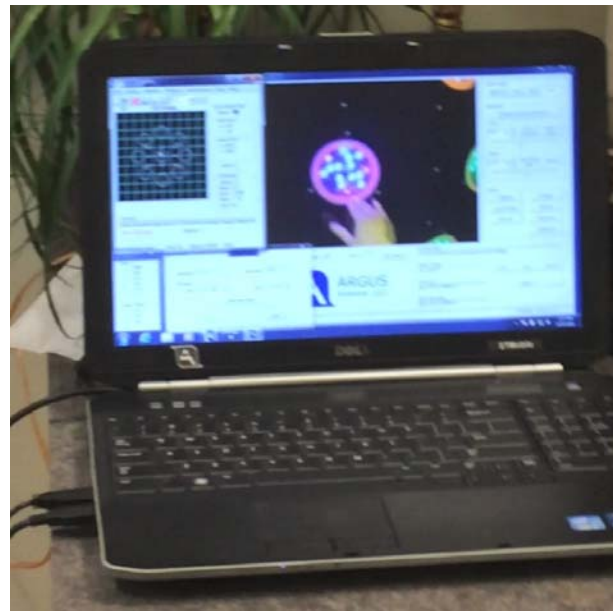
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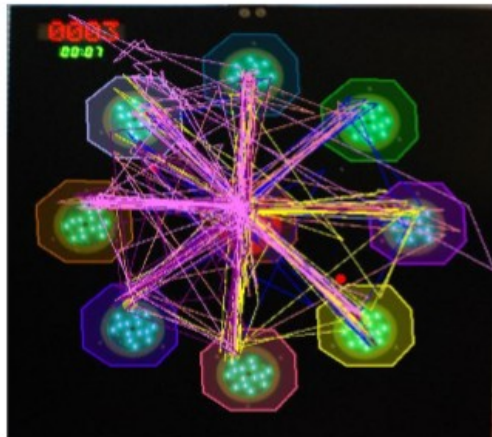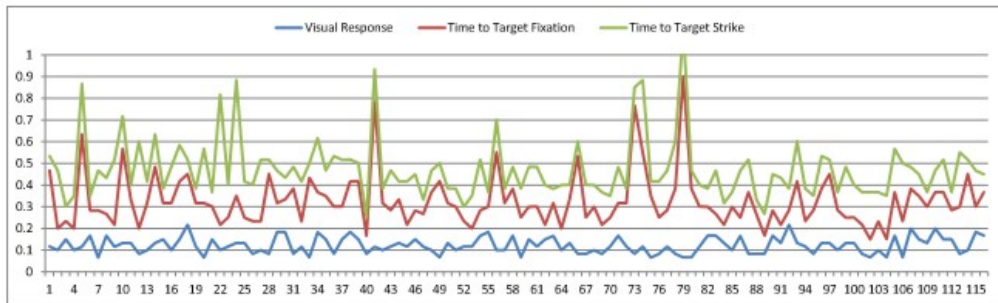Tyngsborough, MA 01879
info@ArgusScience.com

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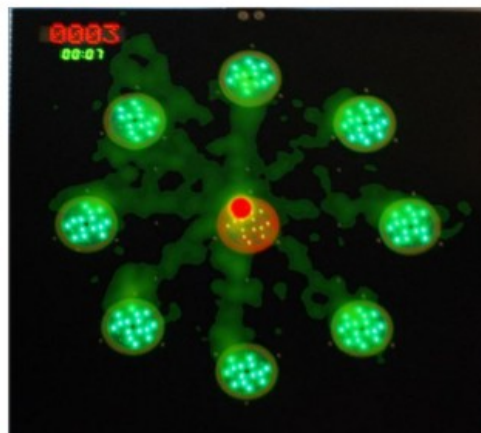
ETReact Individual Report

9/24/2016

Pod Hits Random	Pod Hits UR	Pod Hits LR	Pod Hits LL	Pod Hits UL	Avg Hits	Total Hits
48	50	55	52	55	52	260

Number Fixations on Target Pod	Visual response Average (s)	Visual Response Standard Deviation	Target Fixation Average (S)	Target Fixation Standard Deviation	Strike Pod Average (s)	Strike Pod Standard Deviation
116	0.122	0.037	0.326	0.121	0.474	0.14

Fixation Path

HeatMap

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