**OKernel** Subject: 1218 Outcomes Over Day Work Efficiency 87% May 23, 2020 13:05 Ideal work time (min) 73 minutes, 1051  $\mu$ I Proportion of trials 60 Response window: 200 -- 700 ms 500 ms stim, 0 ms ramp 40 25 ms pulses Trials: 1150 Correct: 416 36% 20 Failed: 374 33% Early: 351 31% 0 0 50 500 1000 Actual work time (min) **Trials** Cumulative Reaction TimesHit Rates, 95% CI (n = 338 - 452) Outcomes Over Trial Proportion of trials Percent Correct 0.5 0.5 0 0 0 -1000 0 1000 100 0500 3000 4200 10 Time of stimulus onset (ms) Optical Stim Last Trial **Reaction Times Mean Reaction Times** 400 300 300 Power (mW) 0.2 200 200 0.1 100 100 0 0 1000 100 1000 0 -1000 10 -200 200 Time Relative to Stimulus Contrast (%) Time Relative to Stimulus Hit Kernel (n=168) Miss Kernel (n=170) Total Kernel (n=338) 0.6 0.6 Normalized Power Normalized Power 0.1 Normalized Power 0.05 0.5 0.5

0.4

-200

0

Time Relative to Stimulus

200

0.4

-200

0

Time Relative to Stimulus

-0.05

-0.1

200

-200

0

Time Relative to Stimulus

200