OKernel

0.5

0.45

0.4

-600

Reaction Times Cumulative Reaction Times Visual Stimulus Step 2000 Hit times \geq 200 and <500 ms Miss times >750 ms 0.8 1500 10 ms of smoothing 48 sessions from 7 animals 0.6 1000 10 trial minimum for hits/misses 0.4 Opto hits >=15% below unstim hits Kernel peak at 23.1 sigma 500 0.2 0 0 -1000 0 1000 -500 0 500 1000 Time Relative to Stimulus Time Relative to Stimulus Hit Kernel (n=3422) Miss Kernel (n=5240) Weight by Trial (n=8662) 0.05 0.55 0.55 Normalized Power 0.5 -0.05 0.45 0.45 -0.1 0.4 0.4 -0.15 -400 0 400 -400 0 400 -400 0 400 Time Relative to Stimulus Time Relative to Stimulus Time Relative to Stimulus RT Aligned (n=3422) FA aligned (n=4032) Random Kernel (n=8662) 0.05 0.55 0.55 Normalized Power

-0.05

-0.1

-0.15

-400

400

Time Relative to Stimulus

400

0.5

0.45

0.4

-400

0

Time Relative to Stimulus

200

Time Relative to Stimulus