Accuracy / Error 1 Joystick tilt Hit rate 100 100 100 60 80 80 50 [gəb [% [%] **%** 40 60 60 95% CI 40 Mean 20 Subject 40<sup>L</sup> 20<sup>L</sup> 13 22 36 59 98 13 22 36 59 98 13 22 36 59 98 Coherence [%] Coherence [%] Coherence [%] B Example subject: response lag C Population: response lags and variability 0.15 Median lag [s] Coherence 0.8 **2**2 0.6 0.1 0.4 98 0.4 Std lag [s] 0.05 0.3 0.2 0.1 0 500 1000 22 36 59 0 8 13 Lag [ms] Coherence [%] Continuous change of joystick response Changes in tilt follow changes in accuracy 0.3 8.0 0.8 Accuracy [norm] **Cross-correlation** coefficient [norm] 0.2 Tilt [norm] 0.6 0.6 0.1 0.4 0.4 0 0.2 0.2

-0.1

-500 0

500 1000

Lag [ms]

A Average solo behavior

0 -1667

-833

Time [ms]

0

0 -1667

-833

Time [ms]