Accuracy / Error I Hit rate Joystick tilt 100 100 100 60 80 80 50 [Ged] [% **%** 40 8 60 95% CI 40 20 Mean Subject 40 L 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 la c) Population: response lags and variability 0.15 Median lag [s] 0.8 Coherence **2**2 0.1 0.6 59 0.4 98 0.4 Std lag [s] 0.05 0.3 0.2 0.1 0 500 1000 22 59 8 13 36 0 Lag [ms] Coherence [%] d) Continuous change of joystick response e) Changes in tilt follow changes in accuracy 0.3 0.8 0.8 accuracy [norm] coefficient [norm] Cross-correlation 0.2 ilt [norm] 0.6 0.6 0.1 0.4 0.4 0 0.2 0.2 0 -1667 -0.1 0 └─ -1667 -500 500 1000 -833 -833

Time [ms]

Lag [ms]

a) Average solo behavior

Time [ms]