

Table S9. Significance of effects of CSSM configuration factors on Accuracy

Effect	F value	p value	η_G^2		
Mode	$F_{(1,6)} = 168.93$	< .001	*	.34	*
Observations	$F_{(2,12)} = 34.51$	< .001	*	.61	*
Distance	$F_{(2,12)} = 23.23$	< .001	*	.14	*
Weight	$F_{(5,30)} = 39.25$	< .001	*	.18	*
Duration	$F_{(1,6)} = 1.76$	.23		.004	
Mode:Observations	$F_{(2,12)} = 79.17$	< .001	*	.24	*
Mode:Distance	$F_{(2,12)} = 13.68$	< .001	*	.033	
Observations:Distance	$F_{(4,24)} = 3.34$	.026	*	.03	
Mode:Weight	$F_{(5,30)} = 19.65$	< .001	*	.089	*
Observations:Weight	$F_{(10,60)} = 13.46$	< .001	*	.079	*
Distance:Weight	$F_{(10,60)} = 20.39$	< .001	*	.1	*
Mode:Duration	$F_{(1,6)} = 1.63$	.25		.001	
Observations:Duration	$F_{(2,12)} = 10.48$	.002	*	.025	
Distance:Duration	$F_{(2,12)} = 0.65$	.54		.002	
Weight:Duration	$F_{(5,30)} = 4.67$	.003	*	.015	
Mode:Observations:Distance	$F_{(4,24)} = 5.32$	.003	*	.008	
Mode:Observations:Weight	$F_{(10,60)} = 2.62$	.01	*	.013	
Mode:Distance:Weight	$F_{(10,60)} = 22.30$	< .001	*	.077	*
Observations:Distance:Weight	$F_{(20,120)} = 2.49$	.001	*	.018	
Mode:Observations:Duration	$F_{(2,12)} = 0.16$	.85		.0003	
Mode:Distance:Duration	$F_{(2,12)} = 24.06$	< .001	*	.01	
Observations:Distance:Duration	$F_{(4,24)} = 2.67$	.057		.009	
Mode:Weight:Duration	$F_{(5,30)} = 6.69$	< .001	*	.022	
Observations:Weight:Duration	$F_{(10,60)} = 1.49$	.17		.008	
Distance:Weight:Duration	$F_{(10,60)} = 3.00$	.004	*	.008	
Mode:Observations:Distance:Weight	$F_{(20,120)} = 4.76$	< .001	*	.026	
Mode:Observations:Distance:Duration	$F_{(4,24)} = 0.90$	.48		.002	
Mode:Observations:Weight:Duration	$F_{(10,60)} = 0.61$	.8		.004	
Mode:Distance:Weight:Duration	$F_{(10,60)} = 4.19$	< .001	*	.009	
Observations:Distance:Weight:Duration	$F_{(20,120)} = 2.34$	.002	*	.013	
Mode:Observations:Distance:Weight:Duration	$F_{(20,120)} = 1.54$	.081		.008	

Significance of effects of CSSM configuration factors on Accuracy, using 216 CMf / CPf configurations.
(2 modes, 3 observations, 3 distances, 6 weights, 2 durations.)