

Supporting Document

In the mixed effects model for all three response variables the Manual Mode was treated as baseline and the mixed effect model examined whether each of the remaining six modes have significant differences when compared with the baseline. The model outputs per response are as follow:

Duration to complete the task

Fixed effects:

	Estimate	Std. Error	df	t value	Pr(> t)	
(Intercept)	178.16	9.37	24.08	19.014	5.24e-16	***
Inferior_to_Superior_30_Tilt	-14.32	11.43	23.41	-1.253	0.22265	
Inferior_to_Superior_45_Tilt	-25.65	11.43	23.41	-2.244	0.03455	*
Inferior_to_Superior_60_Tilt	-23.75	11.43	23.41	-2.078	0.04886	*
Anterior_to_Posterior_60_Tilt	-42.70	11.43	23.41	-3.737	0.00105	**
Superior_to_Inferior_60_Tilt	-29.79	11.43	23.41	-2.607	0.01564	*
Posterior_to_Anterior_60_Tilt	-28.56	11.43	23.41	-2.500	0.01987	*

Duration for which scope focus shifts outside the track

Fixed effects:

	Estimate	Std. Error	df	t value	Pr(> t)	
(Intercept)	45.400	3.061	9.582	14.83	6.29e-08	***
Inferior_to_Superior_30_Tilt	-33.820	2.852	24.000	-11.86	1.60e-11	***
Inferior_to_Superior_45_Tilt	-38.492	2.852	24.000	-13.50	1.06e-12	***
Inferior_to_Superior_60_Tilt	-36.330	2.852	24.000	-12.74	3.59e-12	***
Anterior_to_Posterior_60_Tilt	-36.580	2.852	24.000	-12.83	3.11e-12	***
Superior_to_Inferior_60_Tilt	-35.320	2.852	24.000	-12.38	6.49e-12	***
Posterior_to_Anterior_60_Tilt	-33.360	2.852	24.000	-11.70	2.12e-11	***

Error Counts

Fixed effects:

	Estimate	Std. Error	df	t value	Pr(> t)	
(Intercept)	23.600	1.159	9.930	20.37	1.99e-09	***
Inferior_to_Superior_30_Tilt	-18.000	1.098	24.000	-16.39	1.56e-14	***
Inferior_to_Superior_45_Tilt	-19.800	1.098	24.000	-18.02	1.87e-15	***
Inferior_to_Superior_60_Tilt	-19.000	1.098	24.000	-17.30	4.70e-15	***
Anterior_to_Posterior_60_Tilt	-19.800	1.098	24.000	-18.02	1.87e-15	***
Superior_to_Inferior_60_Tilt	-19.600	1.098	24.000	-17.84	2.35e-15	***
Posterior_to_Anterior_60_Tilt	-20.400	1.098	24.000	-18.57	9.56e-16	***

Significance codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1