

Table 3: 95% Confidence Intervals for Kalman Filter Error

Variable	95% Confidence Interval		
	6 Months	2 Years	5 Years
Present MD	(-0.1493, 0.0329)	(-0.1294, 0.1361)	(-0.2979, 0.3882)
MD Velocity	(-0.0163, -0.0003)	(-0.0175, 0.0024)	(-0.0361, 0.0000)
Present PSD	(0.0163, 0.1227)	(0.1308, 0.2880)	(0.4675, 0.8394)
PSD Velocity	(0.0065, 0.0168)	(0.0039, 0.0166)	(-0.0028, 0.0195)
Present IOP	(-0.2487, 0.0121)	(-0.2751, 0.0792)	(-0.6454, 0.0519)
IOP Velocity	(-0.0033, 0.0194)	(-0.0117, 0.0185)	(-0.0365, 0.0175)

The 95% confidence intervals of the Kalman filter error for each of the variables contain 0 or are close to containing 0 when the Kalman filter is used to predict 6 months, 2 years, and 5 years into the future. This means the values predicted by the Kalman filter are not significantly different from the values observed ($\alpha=0.05$).

MD = mean deviation; PSD = pattern standard deviation; IOP = intraocular pressure