Appendix 1. Mathematical function test results demonstrate log-tangent is the best fit.

Wilcoxon signed rank test p-values for short-term (cycle 5) and long-term (cycle 8) response. Italics indicates maximum, the strongest correlation within the column.

Function	Short-term Comparison		Long-term Comparison	
	Anterior	Posterior	Anterior	Posterior
Linear	0.221	*0.507*	0.033	0.463
Logarithmic	0.861	0.221	*0.807*	0.152
Log/Tangent	*0.972*	0.345	0.249	*0.701*

Least-squares error for cycles 5 to 8. Italics indicated minimum, the lowest error within the column.

Function	Mean		Median	
	Anterior	Posterior	Anterior	Posterior
Linear	1.08%	1.10%	0.76%	0.70%
Logarithmic	*0.66%*	*0.95%*	0.58%	0.63%
Log/Tangent	0.79%	0.96%	*0.49%*	*0.60%*