

Delreco Bonaby cm <sup>3</sup> S <sub>2</sub> O <sub>8</sub> <sup>2-</sup>	Destiny Stuart cm <sup>3</sup> I	Darkening time	[S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> ]	[I] <sub>i</sub>	Ln([S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> ])	Initial Rate	Ln(rate)
1	10	391	0.001818	0.022727	-6.309918278	5.8126E-08	-16.66065247
2	10	163	0.003636	0.022727	-5.616771098	1.39431E-07	-15.78569511
3	10	119	0.005455	0.022727	-5.21130599	1.90985E-07	-15.47106841
4	10	83.58	0.007273	0.022727	-4.923623917	2.71922E-07	-15.11774917
5	10	55.35	0.009091	0.022727	-4.700480366	4.1061E-07	-14.70562157
6	10	53.46	0.010909	0.022727	-4.518158809	4.25127E-07	-14.67087862
7	10	45.25	0.012727	0.022727	-4.364008129	5.0226E-07	-14.50414758
8	10	39.73	0.014545	0.022727	-4.230476737	5.72043E-07	-14.37405148
9	10	35.62	0.016364	0.022727	-4.112693701	6.38048E-07	-14.26485219
10	10	29.5	0.018182	0.022727	-4.007333185	7.70416E-07	-14.07633518
Slope of graph 2						4.02003E-05	
k from slope of graph 2						1.77E-03	Best value
k from intercept of graph 1						2.66E-03	NB Values are not expected to agree exactly
Order w.r.t. to S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> from slope of graph 1						1.093787827	
rounded to nearest whole number						1	

