$$\frac{[NO]}{[NO_2]} = \frac{JNO_2}{k_3[O_3]}$$ (Equation 1.1)

$$\frac{[NO]}{[NO_2]} = \frac{JNO_2}{(k_3[O_3]+k_4[HO_2])}$$ (Equation 1.2)

$$\frac{[NO]}{[NO_2]} = \frac{JNO_2}{(k_3[O_3]+k_4[HO_2]+k_5[RO_2])}$$ (Equation 1.3)

$$\Delta = \left(\frac{Ratio_{theory} - Ratio_{obs.}}{Ratio_{obs.}} \right) * 100$$ (Equation 1.4)

Table 1.1 Average values, standard deviation, maximum and minimum values for March 13th

NO/NO_2 Ratio	Average	STDEV	Maximum	Minimum
Equation 1.1	0.86	0.09	0.98	0.66
Equation 1.2	0.75	0.07	0.85	0.58
Equation 1.3	0.68	0.06	0.53	0.77
(NO/NO_2) observed	0.41	0.08	0.57	0.26

Table 1.2 Average values, STDEV, maximum and minimum values for each ratio on March 15th

NO/NO_2 Ratio	Average	STDEV	Max.	Min.
Equation 1.1	0.75	0.25	1.17	0.27
Equation 1.2	0.61	0.18	0.93	0.25
Equation 1.3	0.53	0.14	0.79	0.24
Equation 1.3'	0.42	0.12	0.64	0.21
(NO/NO_2) observed	0.24	0.14	0.73	0.1