

$$1.0 * ((a_4 * \exp(a_1 * ((x_0 - 1568.5) * 0.000136221))) * \exp(((x_0 - 1568.5) * 0.000136221) * (a_2 + a_3 * ((x_0 - 1568.5) * 0.000136221))))$$

$$a_1 = -24.634^{+0.06754(0.274\%)}_{-0.0677(0.275\%)}, \quad a_2 = -1.20944^{+0.04655(3.85\%)}_{-0.04649(3.84\%)},$$

$$a_3 = 1.14014^{+0.1242(10.9\%)}_{-0.1233(10.8\%)}, \quad a_4 = 6.96177^{+0.02131(0.306\%)}_{-0.02128(0.306\%)}$$

Candidate #13 $\chi^2/\text{NDF} = 42.14/40$, RMSE = 0.008044, R2 = 1.0