SymbolFit

1.0*((a4*exp(a1*((x0 - 1568.5) * 0.000136221)))**exp(((x0 - 1568.5) * 0.000136221)*(a2 + a3*((x0 - 1568.5) * 0.000136221))))

a1 $= -24.634^{+0.06754(0.274\%)}_{-0.0677(0.275\%)}$, a2 $= -1.20944^{+0.04655(3.85\%)}_{-0.04649(3.84\%)}$,

a3 $= 1.14014^{+0.1242(10.9\%)}_{-0.1233(10.8\%)}$, a4 $= 6.96177^{+0.02131(0.306\%)}_{-0.02128(0.306\%)}$

Candidate #13

χ^2/NDF = 42.14/40, RMSE = 0.008044, R2 = 1.0