$$z = 0.52205400$$

 $t_0 = 54010.51 \pm 0.11$
 $x_0 = (4.324 \pm 0.039) \times 10^{-5}$

$$x_1 = 0.41 \pm 0.10$$

 $c = -0.1888 \pm 0.0053$

