$$z = 0.39354400$$

 $t_0 = 53648.57 \pm 0.59$
 $x_0 = (7.03 \pm 0.41) \times 10^{-6}$

$$x_1 = -0.10 \pm 0.64$$

 $c = (-4 \pm 42) \times 10^{-3}$

