$$z = 0.43800000$$

 $t_0 = 56977.29 \pm 0.75$
 $x_0 = (1.231 \pm 0.065) \times 10^{-5}$

$$x_1 = -1.15 \pm 0.60$$

 $c = (-2 \pm 75) \times 10^{-3}$

