$z = 0.22800000$
$t_0 = 57003.74 \pm 0.26$
$x_0 = (2.354 \pm 0.082) \times 10^{-6}$

$x_1 = -0.65 \pm 0.19$
$c = (-2 \pm 28) \times 10^{-3}$