$z = 0.50800000$
$t_0 = 57394.38 \pm 0.59$
$x_0 = (1.26 \pm 0.28) \times 10^{-5}$

$x_1 = -1.29 \pm 0.72$
$c = (5 \pm 300) \times 10^{-3}$