SN2009aa  $z_{\text{helio}} = 0.0273 \ t_0 = 54878.33 \pm 0.05 \ 1 \text{stPh} = -8.9 \ \partial \mu m_B x_1 c = [0.99, \ 1.00, \ -0.00, \ 0.00] \ m_0 = 5.662 \pm 0.011 \ x_1 = -0.692 \pm 0.047 \ c = -0.041 \pm 0.011$ 

