

154 Bertha & PPMX 2101675

2013 jan 1 14^h41.7^m U.T.

Planet: $a = 3.18, e = 0.09$
 V. mag. = 13.63 Diam. = 192.0 km = 0.11"
 $\mu = 26.15''/h$ $\pi = 3.70''$ Ref. = EG2011
 $\Delta m = 1.7$ Max. dur. = 15.3s

Star: Source cat. PPMX
 $\alpha = 5^h00^m30.530^s$ $\delta = +45^\circ11'37.51''$
 Vmag = 12.17 mag =
 Sun : 148° Moon : 73° , 84%

