

154 Bertha & TYC 3344-00393-1

2012 dec 31 1^h 5.8^m U.T.

Planet:	$a = 3.18, e = 0.09$	Star:	Source cat. TYC2
V. mag. = 12.61	Diam. = 192.0 km = 0.11"	$\alpha = 5^{\text{h}}02^{\text{m}}04.732^{\text{s}}$	$\delta = +45^{\circ}12'50.81''$
$\mu = 26.94''/\text{h}$	$\pi = 3.71''$ Ref. = EG2010	V. mag. = 11.11	Ph. mag. = 11.84
$\Delta m = 1.7$	Max. dur. = 14.9s	Sun : 150°	Moon : 56° , 94%

