

# 522 Helga & PPMX 5950059

2013 dec 6 18<sup>h</sup>57.4<sup>m</sup> U.T.

**Planet:**  $a = 3.63, e = 0.08$   
 $V. mag. = 14.74$   $Diam. = 113.0 \text{ km} = 0.06''$   
 $\mu = 27.76''/h$   $\pi = 3.42''$   $Ref. = EG2011$

**Star:** Source cat. PPMX  
 $\alpha = 4^h59^m42.673^s$   $\delta = +18^\circ36'49.82''$   
 $Vmag = 11.95$   $Bmag = 12.23$

$\Delta m = 2.9$

Max. dur. = 7.9s

Sun : 175°

Moon : 129° , 20%

