

# 578 Happelia & PPMX 3999732

2016 jan 16 16<sup>h</sup>28.4<sup>m</sup> U.T.

**Planet:**  $a = 2.75, e = 0.20$   
 V. mag. = 14.22 Diam. = 71.6 km = 0.04"  
 $\mu = 24.87''/h$   $\pi = 3.72''$  Ref. = EG2014

**Star:** Source cat. PPMX  
 $\alpha = 5^h46^m50.598^s$   $\delta = +31^\circ10'23.28''$   
 mag = Bmag = 12.96

$\Delta m = 2.2$

Max. dur. = 6.0s

Sun : 150°

Moon : 66° , 47%

