

# 309 Fraternitas & TYC 1942-02433-1

2012 jan 18 23<sup>h</sup>45.0<sup>m</sup> U.T.

**Planet:**  $a = 2.66, e = 0.12$   
 V. mag. = 14.55    Diam. = 54.7 km = 0.04"  
 $\mu = 34.24''/h$      $\pi = 4.41''$     Ref. = EG2010

**Star:**    Source cat. TYC2  
 $\alpha = 8^h38^m15.881^s$      $\delta = +23^{\circ}04'17.12''$   
 V. mag. = 12.02    Ph. mag. = 13.00

$\Delta m = 2.6$

Max. dur. = 4.0s

Sun : 170°

Moon : 116° , 22%

