

# 111 Ate & HIP 105042

2012 jul 28 15<sup>h</sup>54.7<sup>m</sup> U.T.

**Planet:**  $a = 2.59, e = 0.10$   
 V. mag. = 11.98 Diam. = 139.0 km = 0.10"  
 $\mu = 32.83''/h$   $\pi = 4.78''$  Ref. = EG2010

**Star:** Source cat. HIP-1  
 $\alpha = 21^h 16^m 35.929^s$   $\delta = -14^\circ 49' 23.29''$   
 V. mag. = 8.08 Ph. mag. =

$\Delta m = 3.9$  Max. dur. = 11.4s

Sun : 168° Moon : 71° , 75%

