

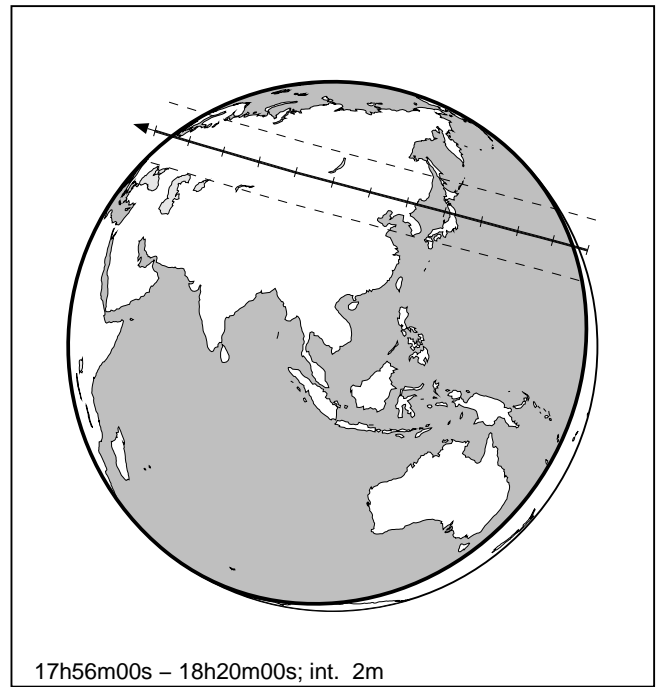
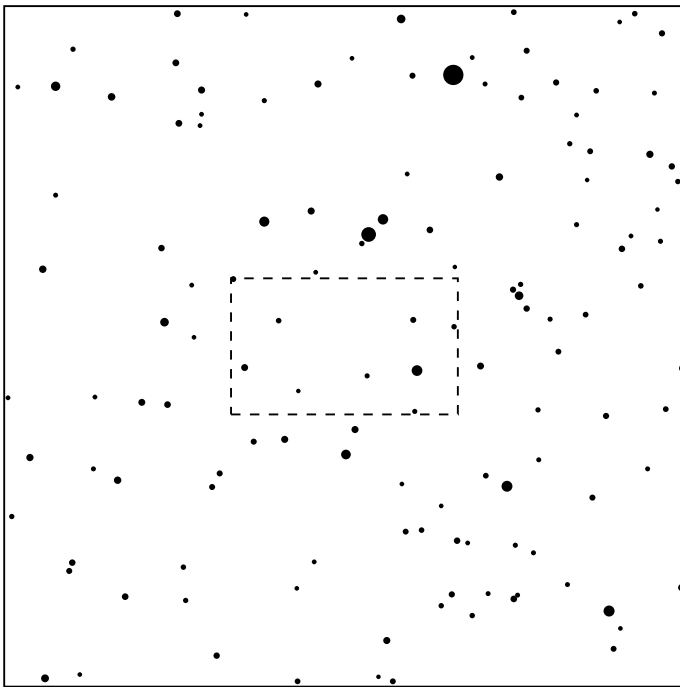
# 622 Esther & PPMX 7043783

2015 dec 16 18<sup>h</sup> 7.7<sup>m</sup> U.T.

**Planet:**  $a = 2.42, e = 0.24$   
 V. mag. = 12.42    Diam. = 38.5 km = 0.05"  
 $\mu = 35.47''/h$      $\pi = 8.43''$     Ref. = EG2013

**Star:**    Source cat. PPMX  
 $\alpha = 6^h 47^m 28.244^s$      $\delta = +10^\circ 25' 23.46''$   
 Vmag = 12.50    mag =

$\Delta m = 0.7$     Max. dur. = 5.2s    Sun : 158°    Moon : 131° , 29%



17h56m00s – 18h20m00s; int. 2m

