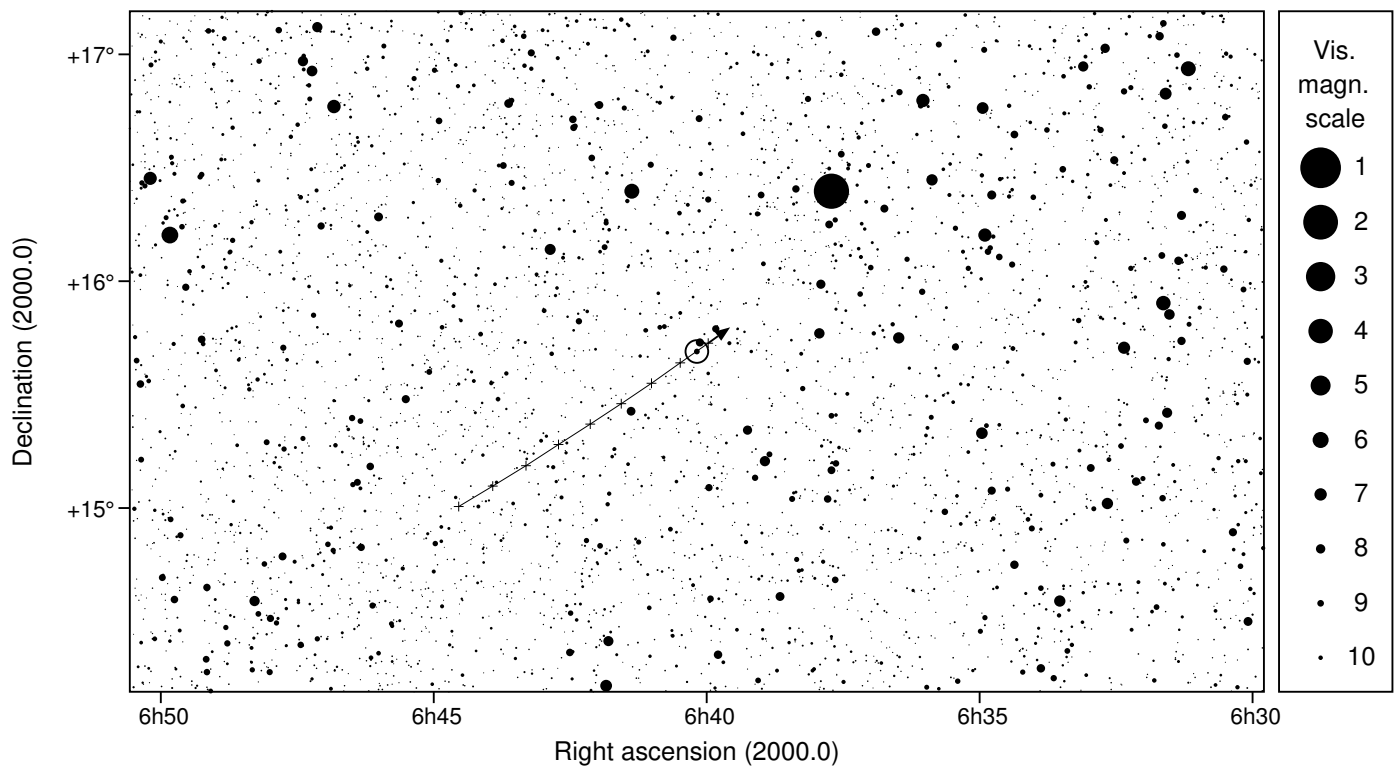
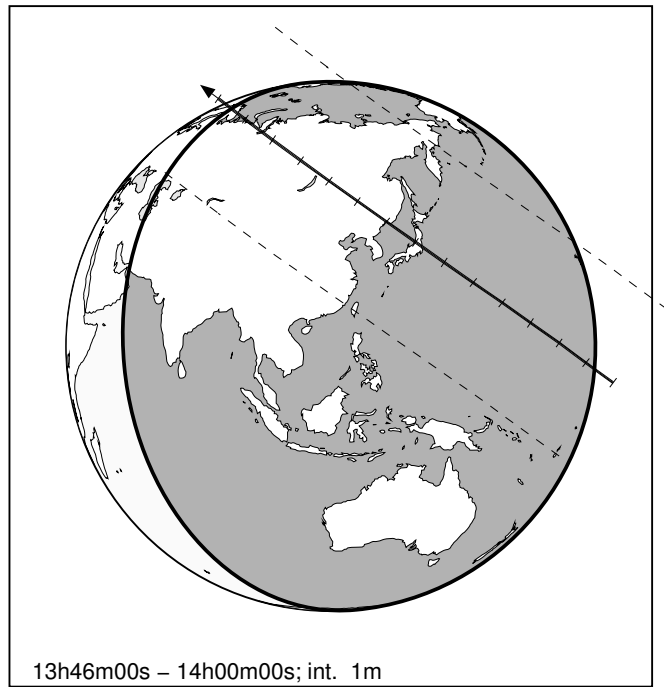
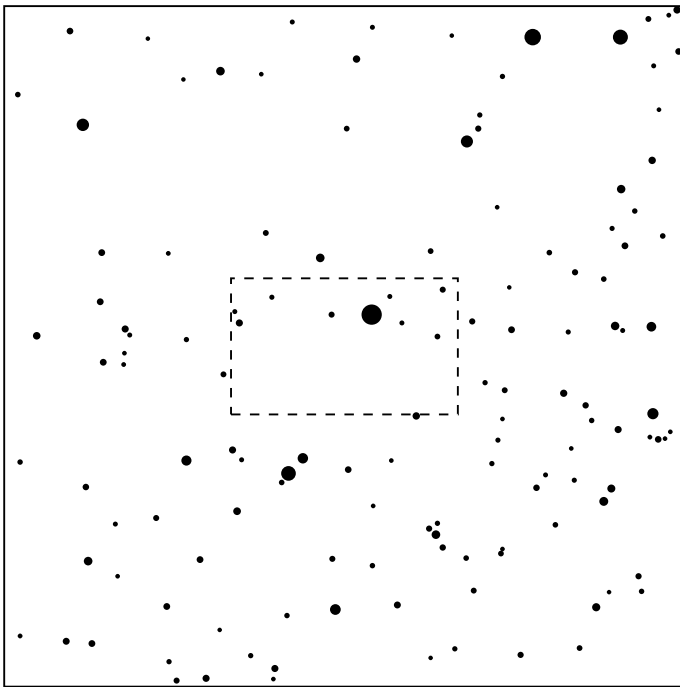


1819 Laputa & TYC 1330-02091-1

2018 feb 6 13^h53.2^m U.T.

Planet: $a = 3.15, e = 0.22$
 V. mag. = 16.14 Diam. = 44.6 km = 0.02"
 $\mu = 22.89''/h$ $\pi = 2.90''$ Ref. = EG2016
 $\Delta m = 6.7$ Max. dur. = 3.2s

Star: Source cat. TGAS
 $\alpha = 6^h40^m10.506^s$ $\delta = +15^\circ41'28.22''$
 Vmag = 9.44 Bmag = 9.53
 Sun : 141° Moon : 116° , 61%



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2018 feb 6 13^h53.2^m U.T.

