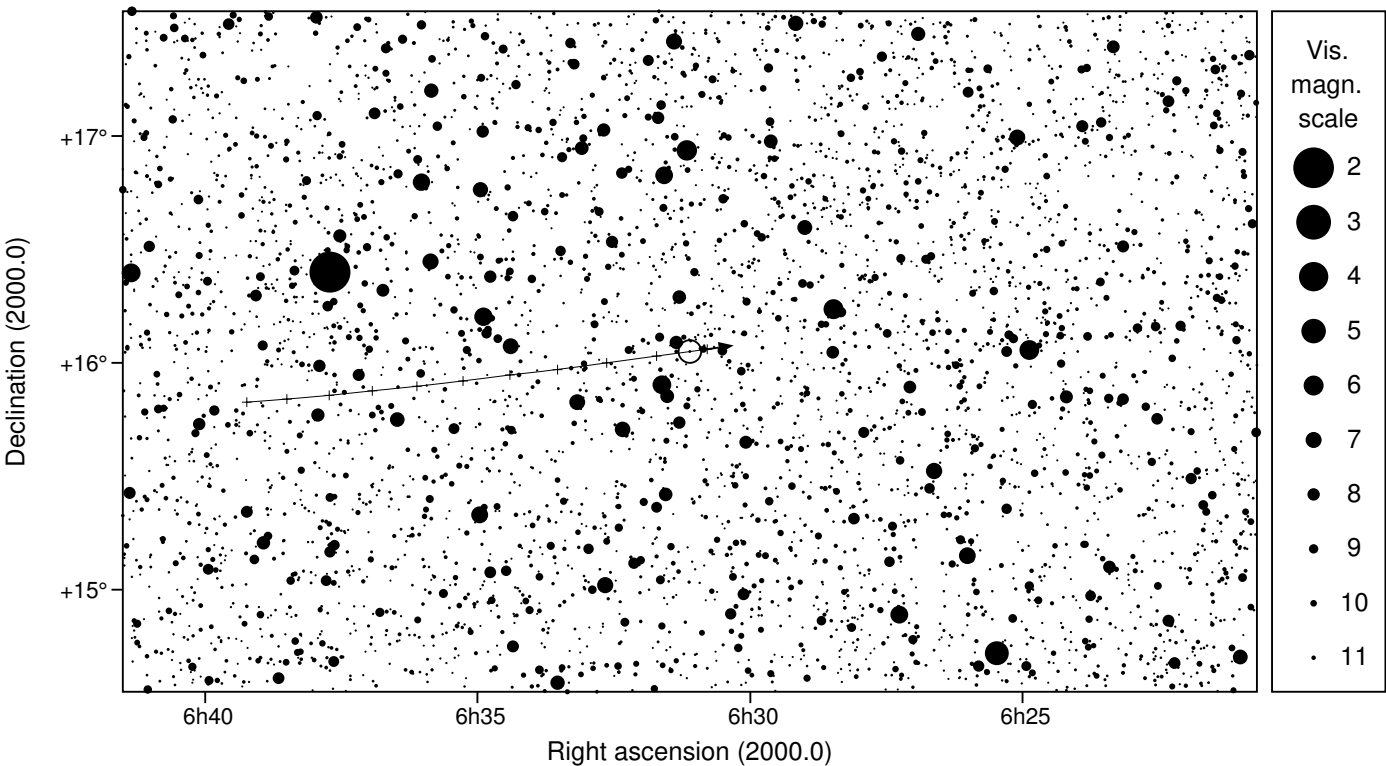
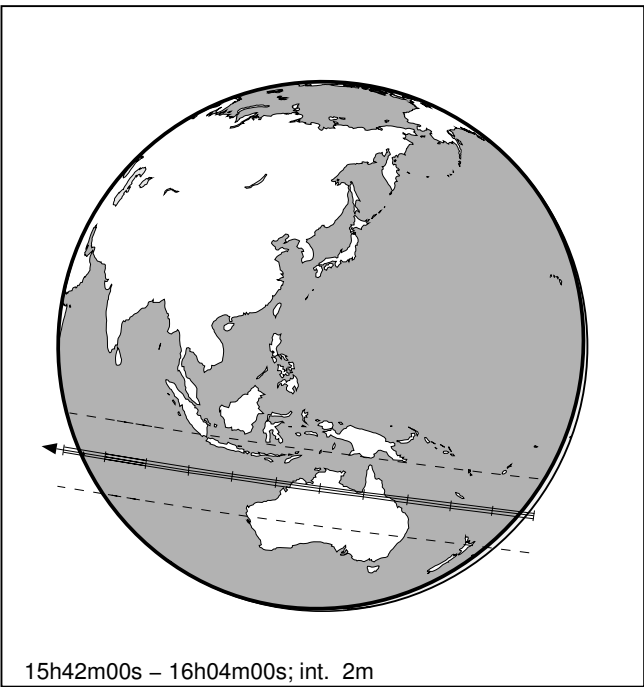
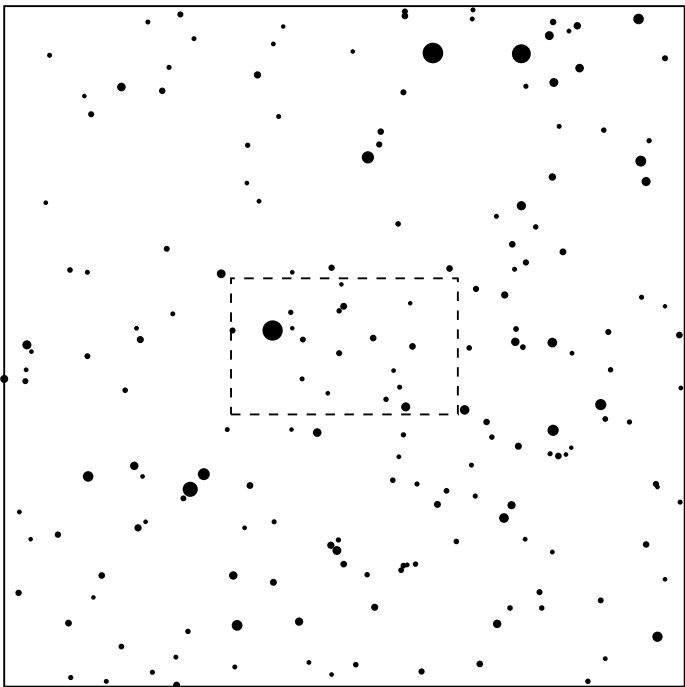


5 Astraea & UCAC4 531-027774

2023 dec 19 15^h52.8^m U.T.

Planet:	$a = 2.57, e = 0.19$	Star:	Source cat. EDR3
V. mag. = 9.48	Diam. = 125.0 km = 0.14"	$\alpha = 6^{\text{h}}31^{\text{m}}06.402^{\text{s}}$	$\delta = +16^{\circ}03'03.20''$
$\mu = 33.97''/\text{h}$	$\pi = 7.11''$ Ref. = EG2021	Vmag = 11.94	Bmag = 12.12
$\Delta m = 0.1$	Max. dur. = 14.8s	Sun : 167°	Moon : 102° , 49%



5 Astraea & UCAC4 531-027774

2023 dec 19 15^h52.8^m U.T.

