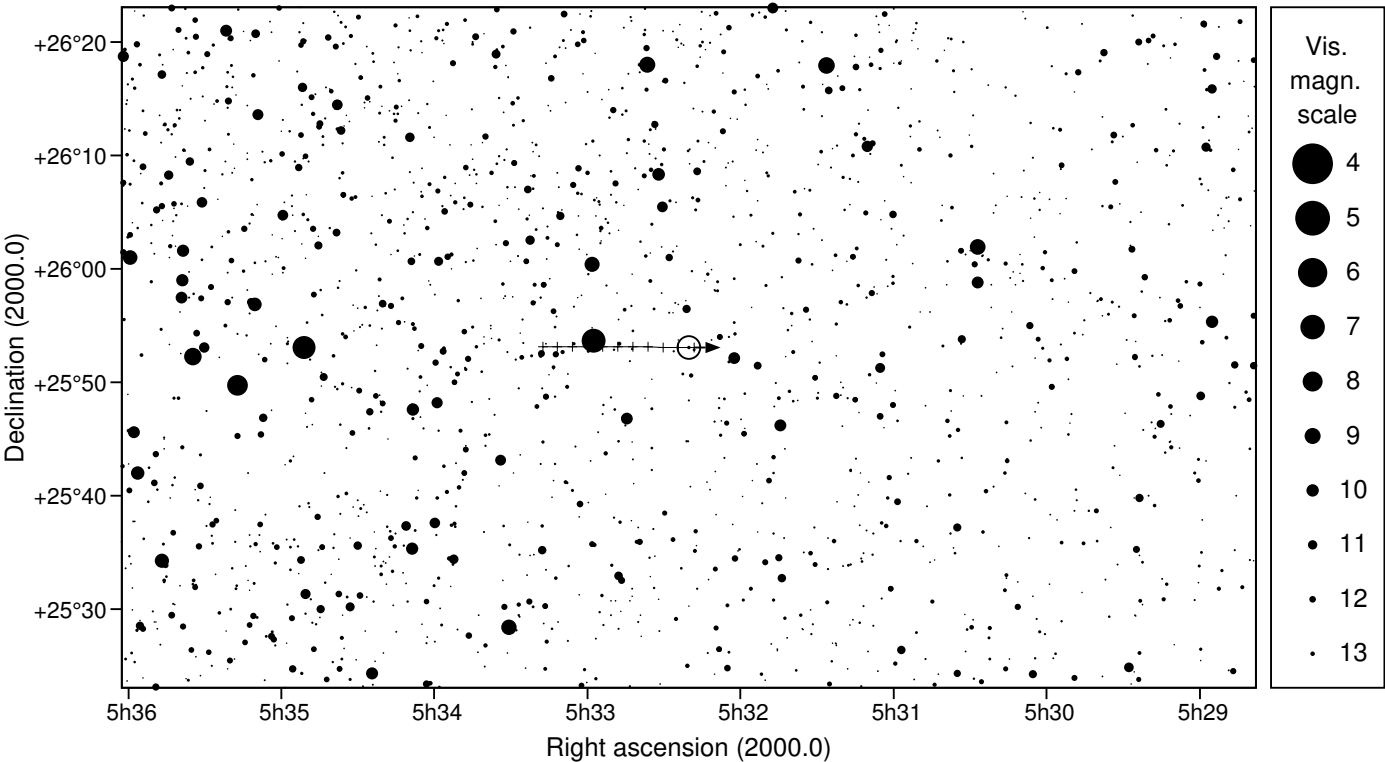
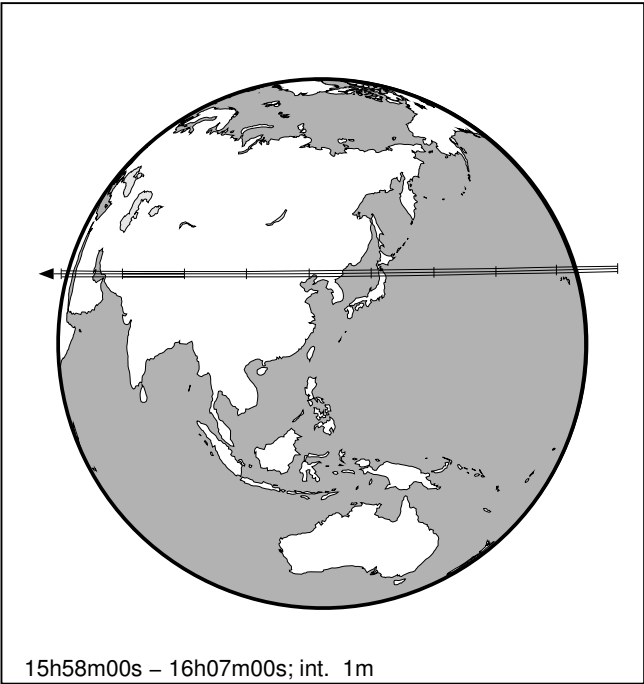
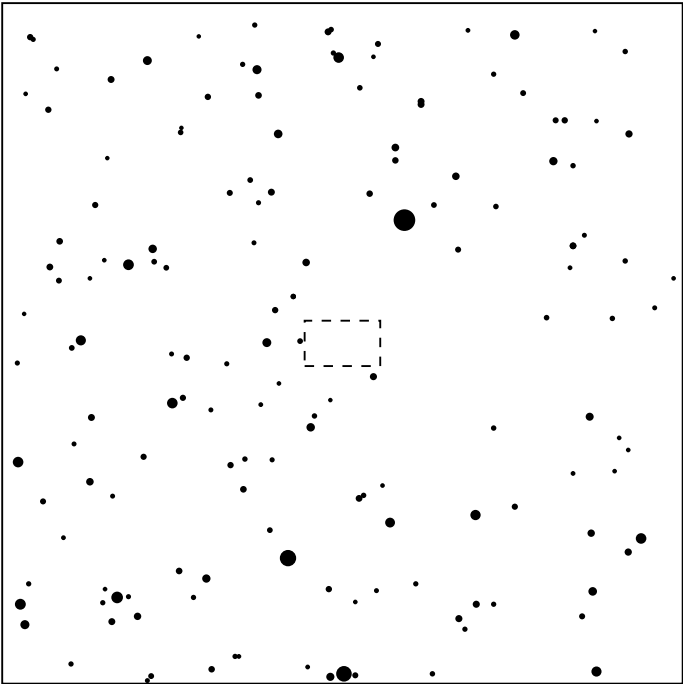


2012UD178 & UCAC4 580-016292

2024 dec 9 16^h 2.8^m U.T.

Planet:	$a = 55.46, e = 0.42$	Star:	Source cat. EDR3
V. mag. = 23.15	Diam. = 135.5 km = 0.01"	$\alpha = 5^{\text{h}}32^{\text{m}}20.223^{\text{s}}$	$\delta = +25^{\circ}53'02.42''$
$\mu = 3.38''/\text{h}$	$\pi = 0.24''$ Ref. = E2021-VR4	Vmag = 13.62	Bmag = 13.94
$\Delta m = 9.5$	Max. dur. = 5.5s	Sun : 173°	Moon : 83° , 62%



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2024 dec 9 16^h 2.8^m U.T.

