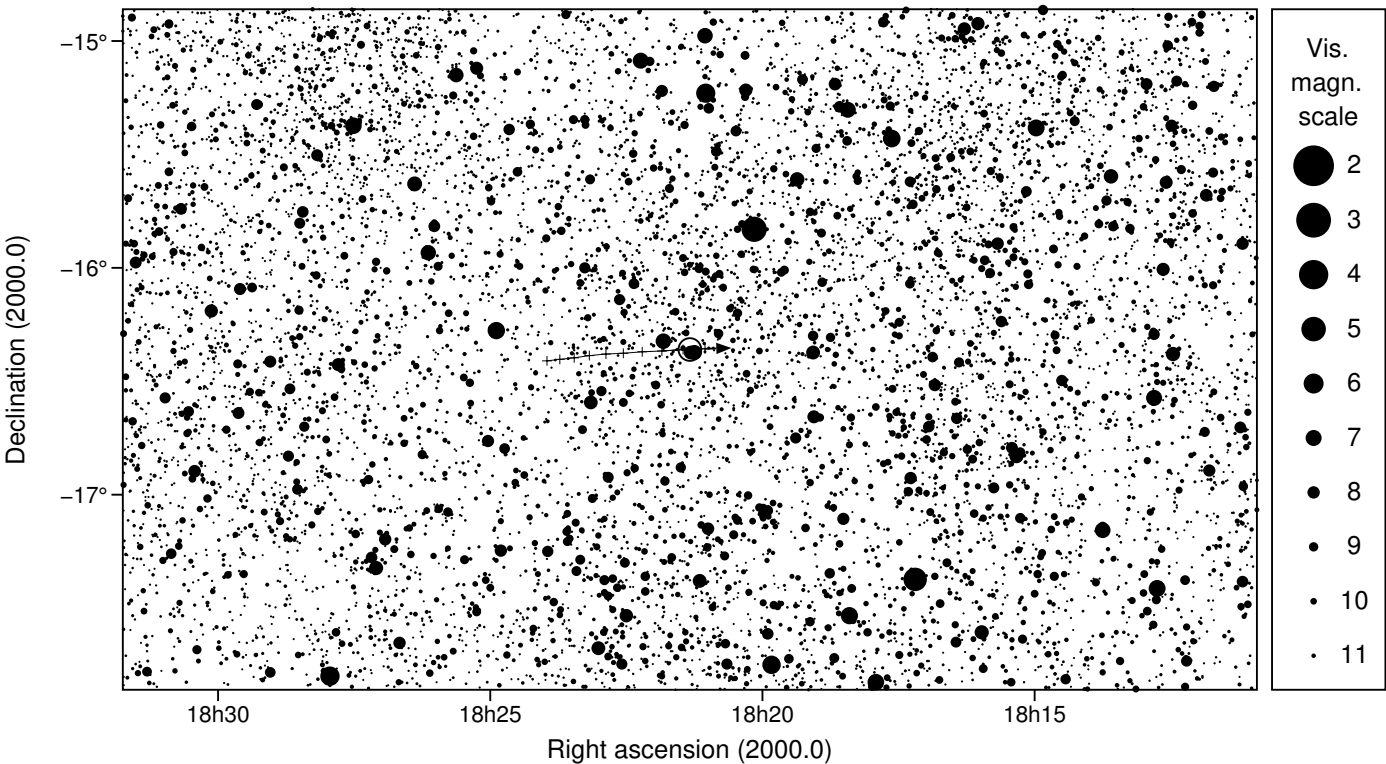
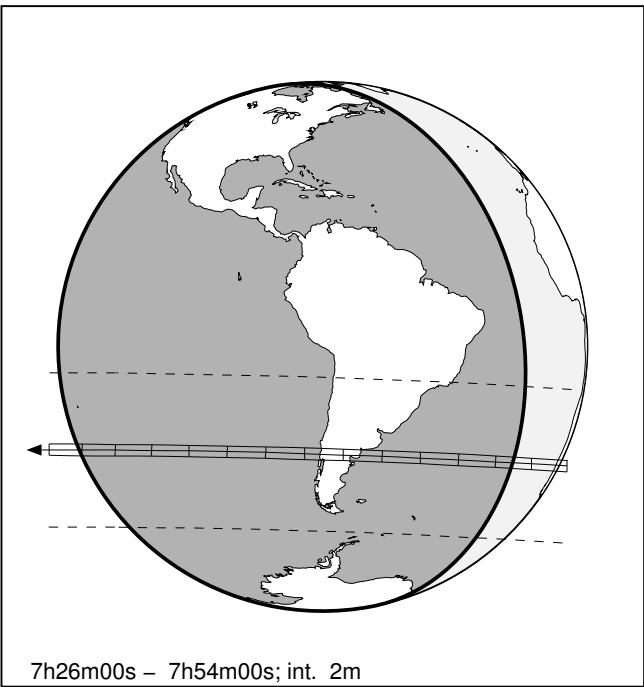
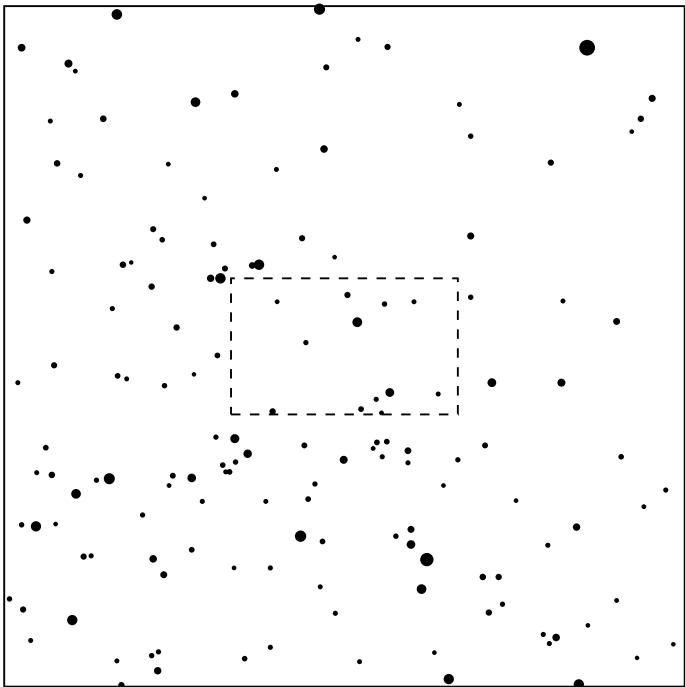


52 Europa & PPMX 11659779

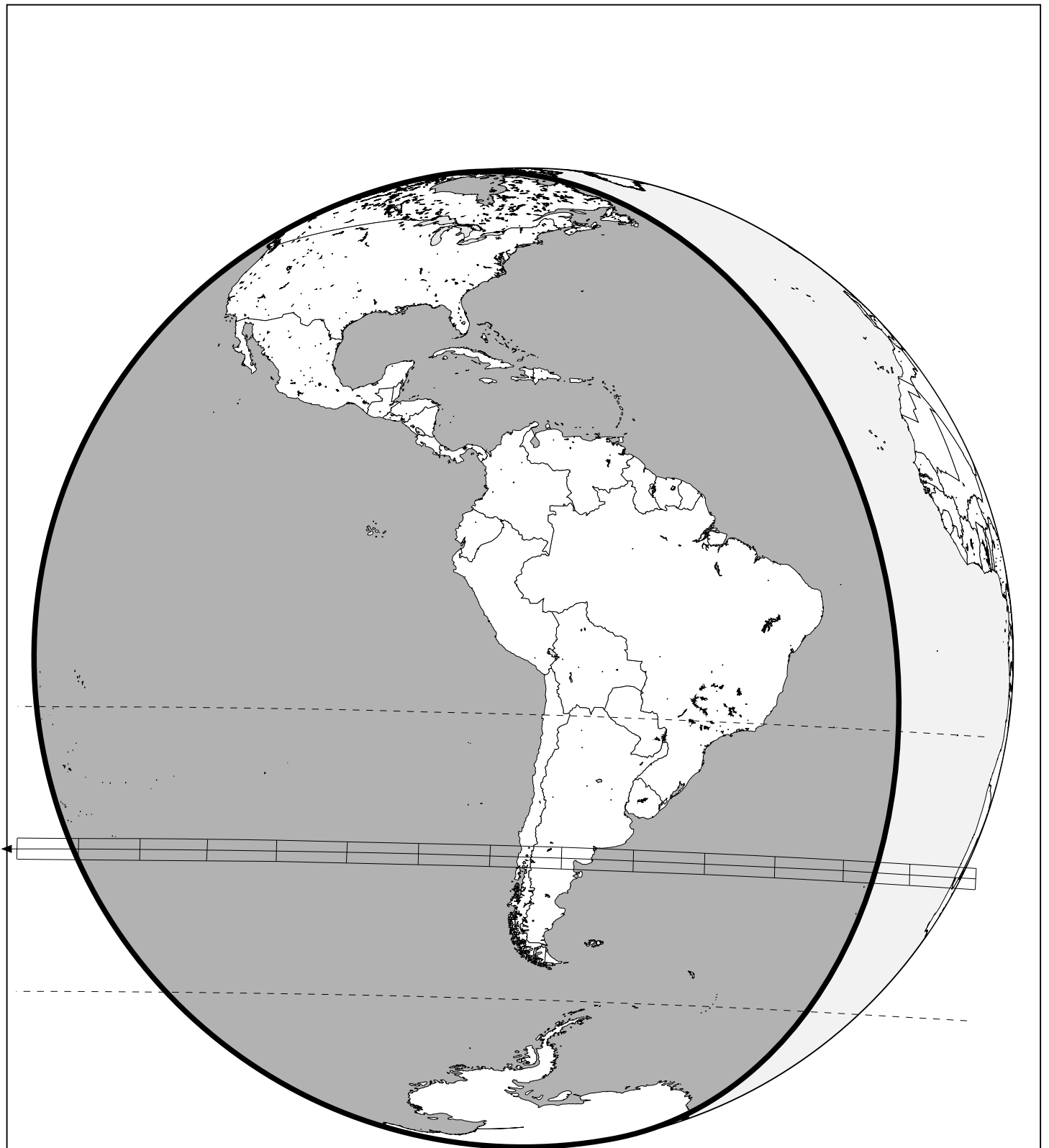
2023 may 16 7^h39.2^m U.T.

Planet:	$a = 3.11, e = 0.10$	Star:	Source cat. PPMX
V. mag. = 11.67	Diam. = 278.0 km = 0.15"	$\alpha = 18^{\text{h}}21^{\text{m}}19.983^{\text{s}}$	$\delta = -16^{\circ}21'41.00''$
$\mu = 14.44''/\text{h}$	$\pi = 3.44''$ Ref. = EG2021	mag =	Bmag = 12.57
$\Delta m = 0.7$	Max. dur. = 37.3s	Sun : 139°	Moon : 98° , 13%



52 Europa & PPMX 11659779

2023 may 16 7^h39.2^m U.T.



7h26m00s – 7h54m00s; int. 2m