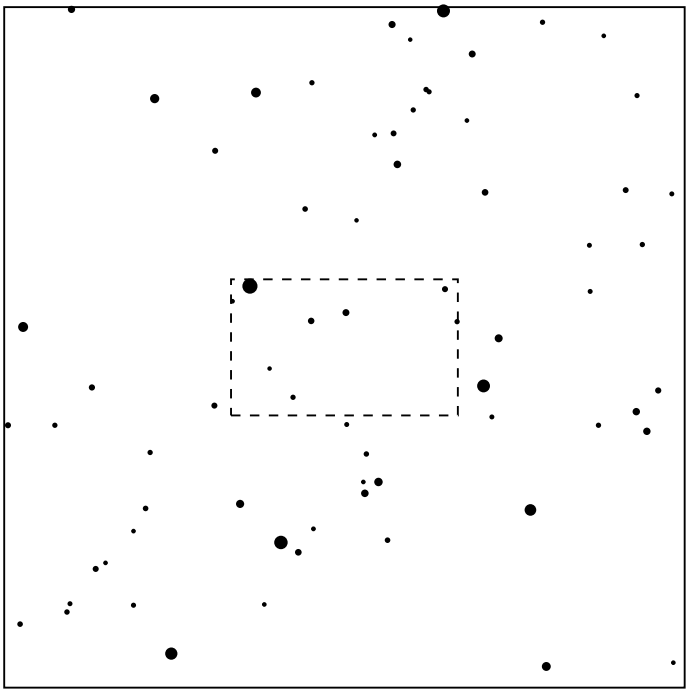
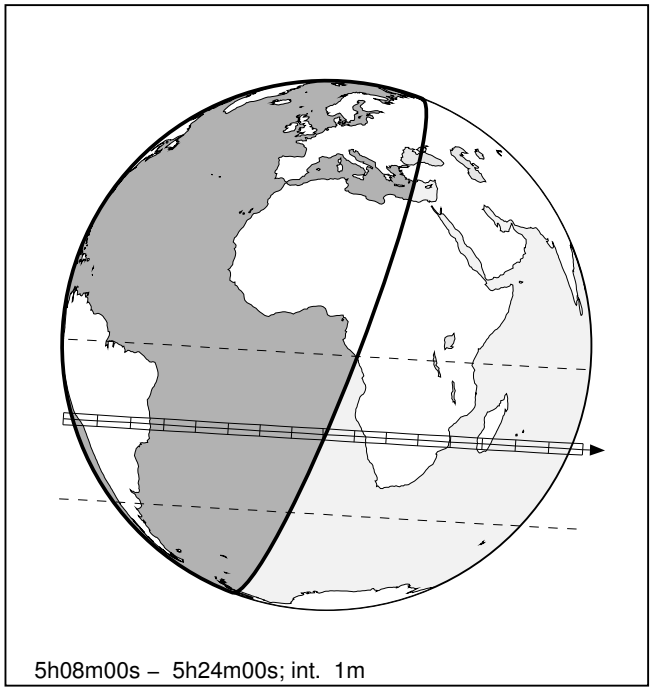
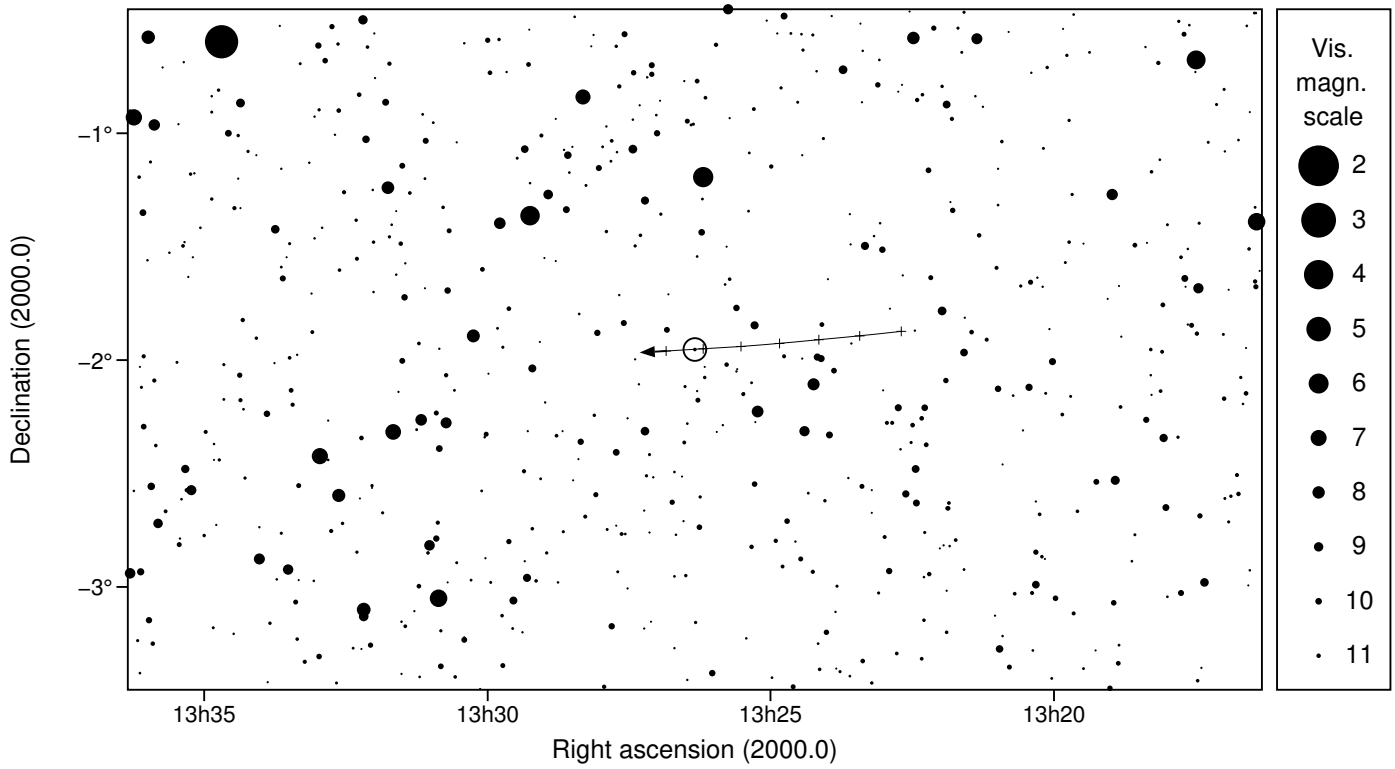
52 Europa & TYC 4959–00958–1

2022 jan 18 $5^h16.0^m$ U.T.

Planet:	a = 3.11, e = 0.10	**Star:**	Source cat. GDR2a
V. mag. = 11.72	Diam. = 278.0 km = 0.14"	$\alpha = 13^h26^m20.433^s$	$\delta = -1°57'13.00"$
μ = 24.57"/h	π = 3.31" Ref. = EG2020	Vmag = 11.46	Bmag = 11.90
Δm = 0.9	Max. dur. = 21.1s	Sun : 97°	Moon : 80° ,100%

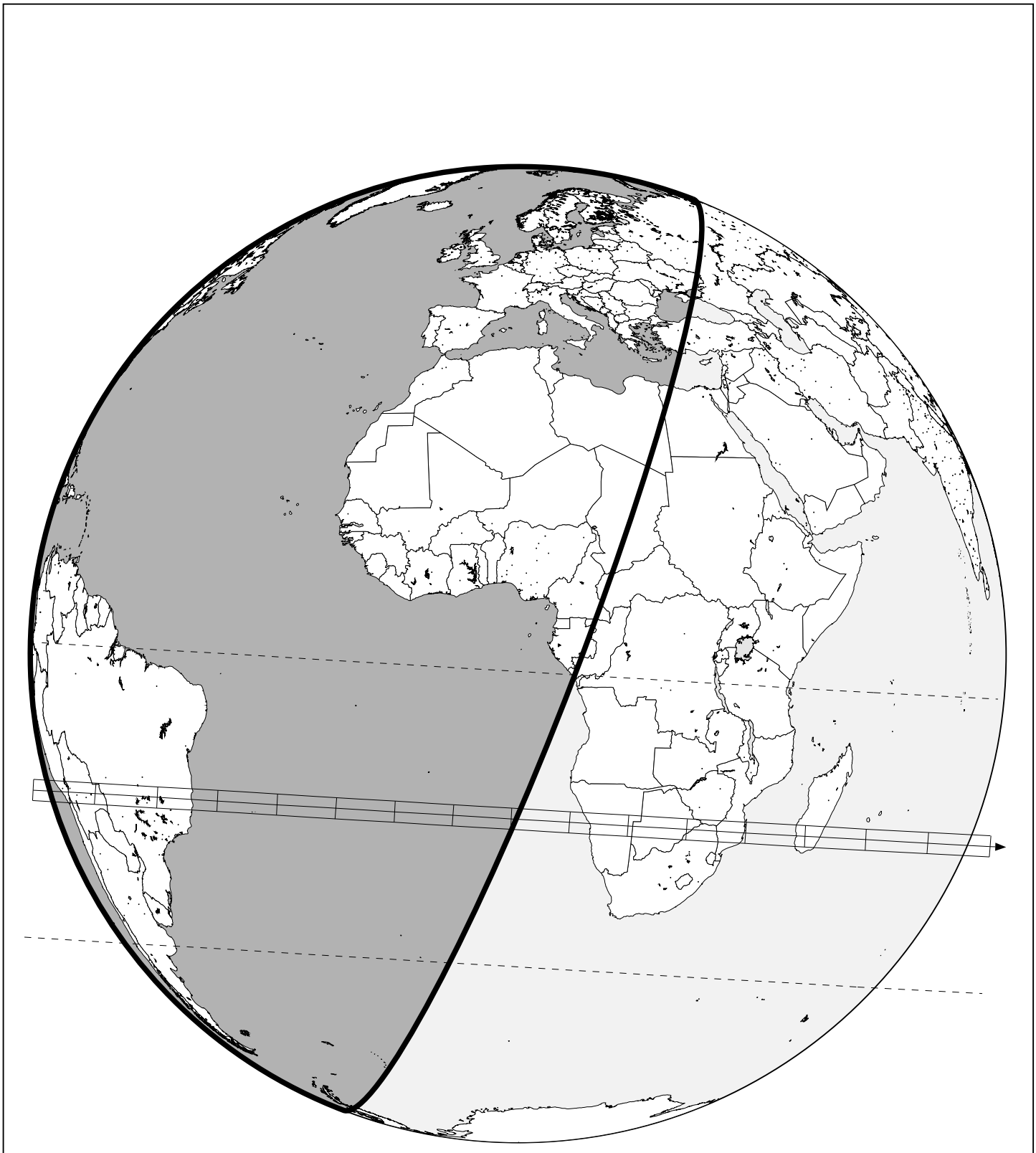






52 Europa & TYC 4959–00958–1

2022 jan 18 $5^h16.0^m$ U.T.



5h08m00s – 5h24m00s; int. 1m