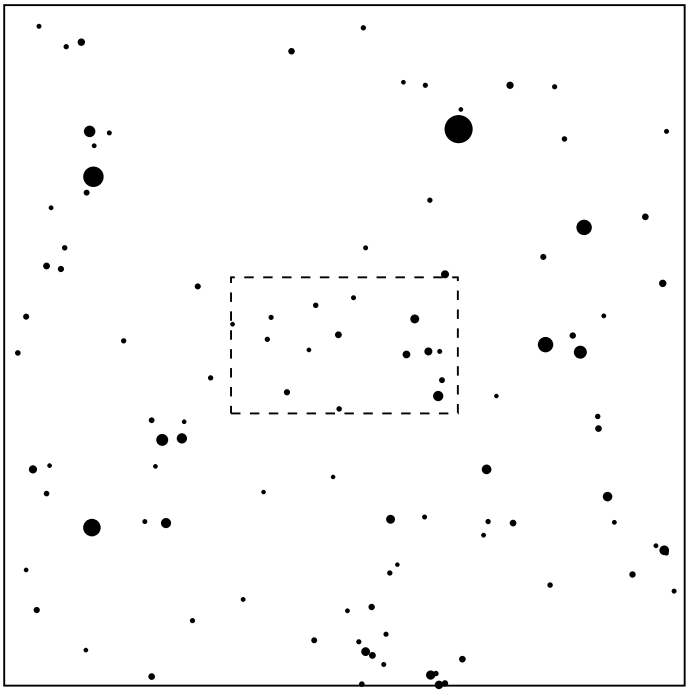
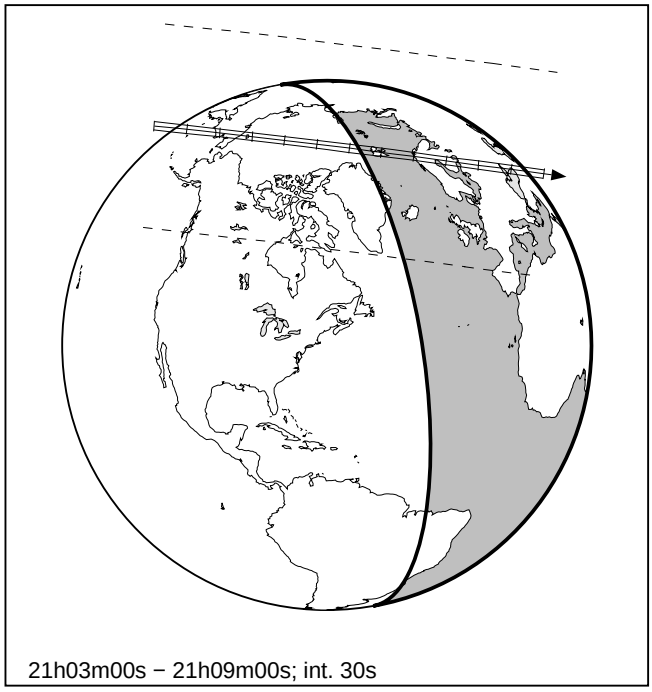
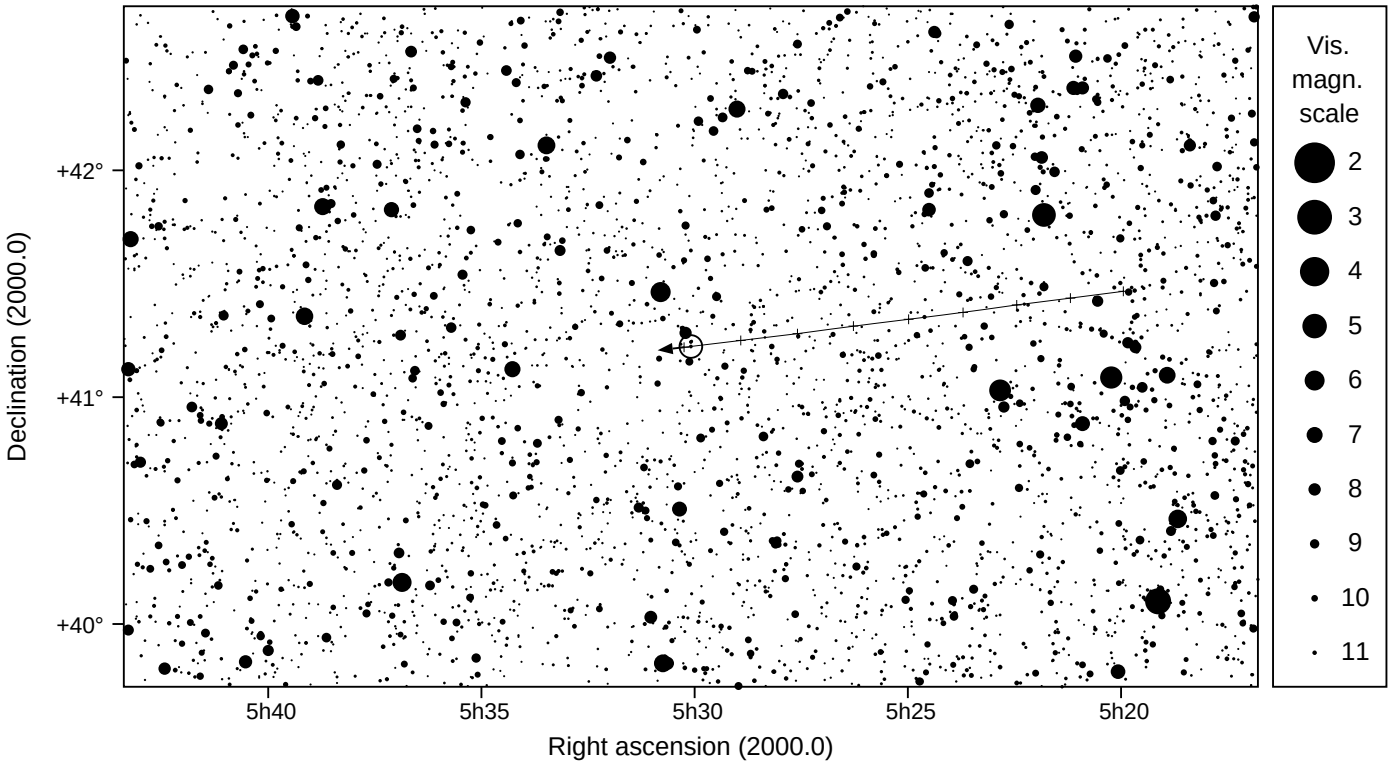
154 Bertha & PPMX 3039402

2013 apr 5 21^h 6.0^m U.T.

Planet:	a = 3.18, e = 0.09	**Star:**	Source cat. PPMX
V. mag. = 14.66	Diam. = 192.0 km = 0.08"	$\alpha = 5^h30^m05.609^s$	$\delta = +41°13'25.07"$
$\mu =$ 38.08"/h	$\pi =$ 2.58" Ref. = EG2011	Vmag = 11.41	Bmag = 11.27
Δm = 3.3	Max. dur. = 7.4s	Sun : 69°	Moon : 120° , 22%