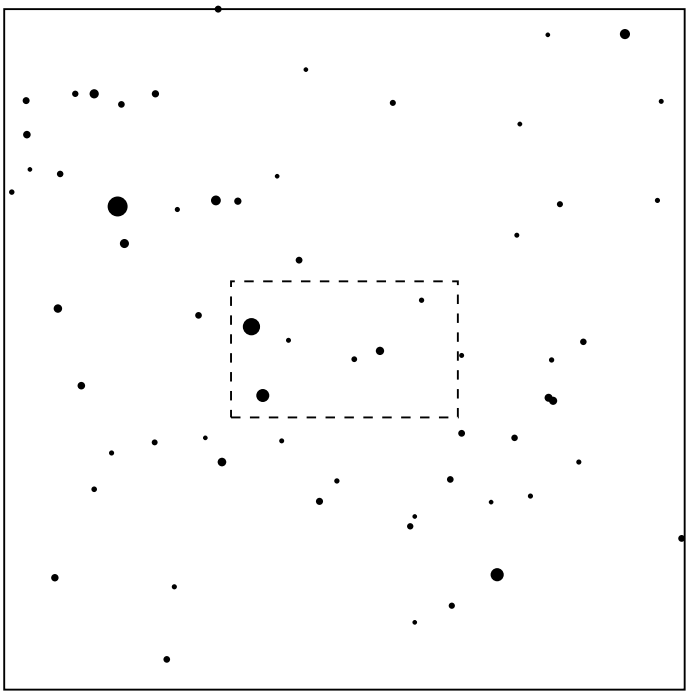
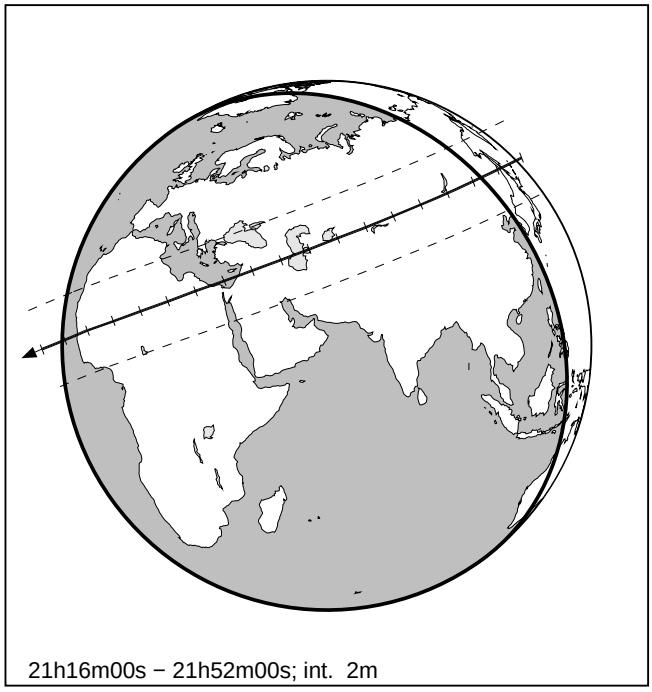
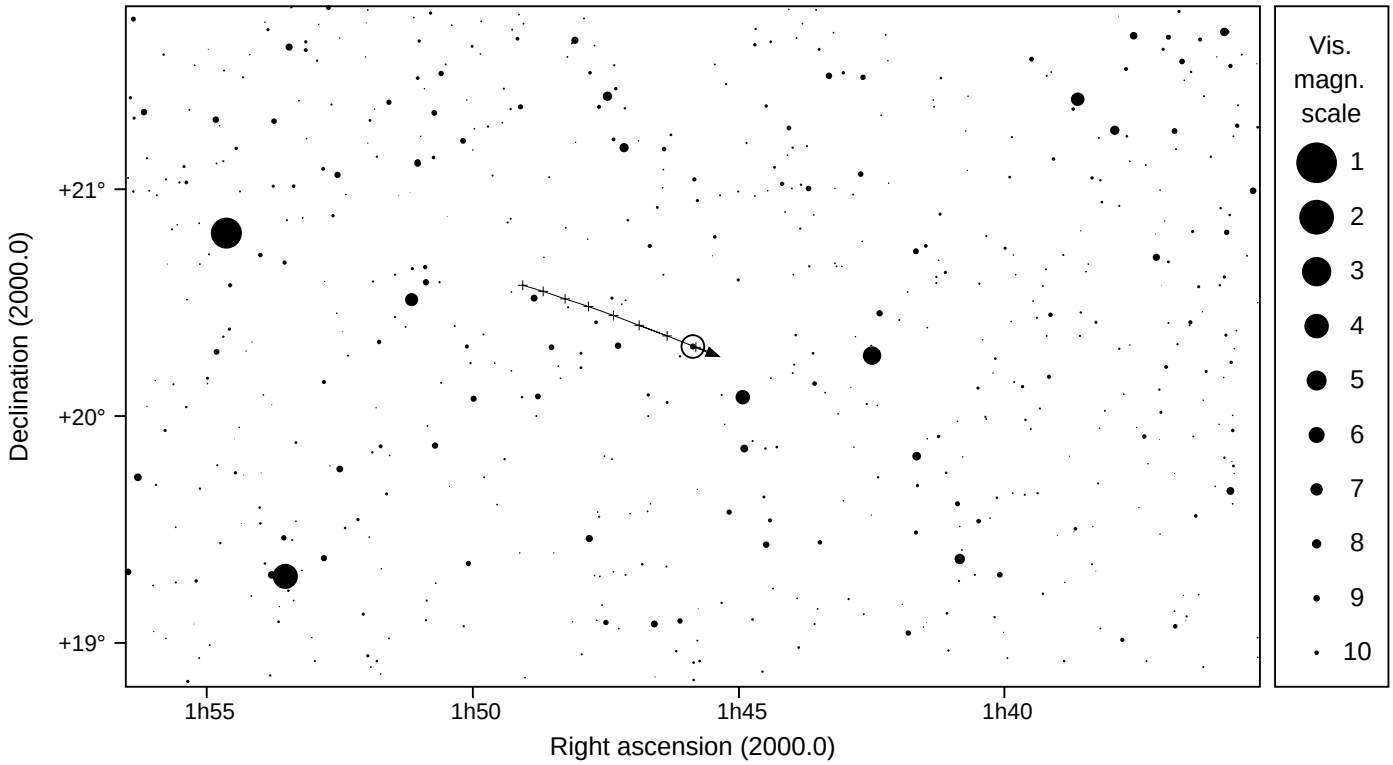
418 Alemannia – HIP 8221

2009 sep 24 $21^h33.3^m$ U.T.

Planet:	a = 2.59, e = 0.12		**Star:**	Source cat. HIP
V. mag. = 13.01	Diam. = 38.5 km = 0.04"		$\alpha = 1^h45^m51.781^s$	$\delta = +20°18'28.40"$
$\mu =$ 20.96"/h	$\pi =$ 6.42"	Ref. = EG2005	V. mag. = 9.31	Ph. mag. = 10.09

Δm = 3.7	Max. dur. = 6.7s	Sun : 148°	Moon : 134° , 38%