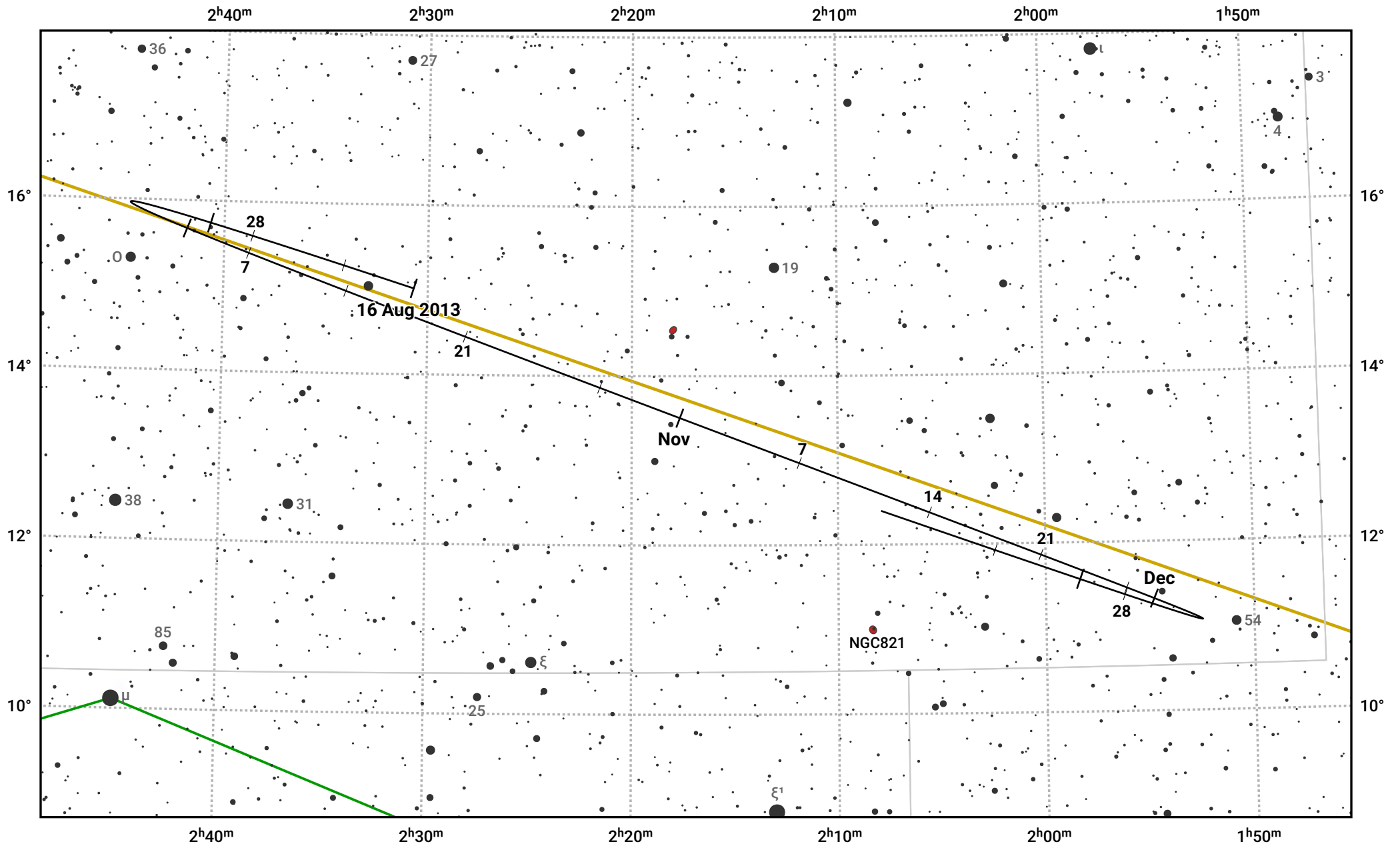


The path of Asteroid 20 Massalia around opposition on 30 Oct 2013



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Magnitude scale: 11.0 10.0 9.0 8.0 7.0 6.0 5.0 4.0

— Ecliptic Plane

Galaxy Bright nebula Open cluster Globular cluster

Date	Mag	Phase
2013 Sep 1	10.6	96%
2013 Sep 29	9.9	98%
2013 Oct 1	9.9	98%
2013 Oct 29	8.9	100%
2013 Nov 1	8.9	100%
2013 Dec 1	9.7	98%
2013 Dec 9	9.9	97%
2014 Jan 1	10.4	95%