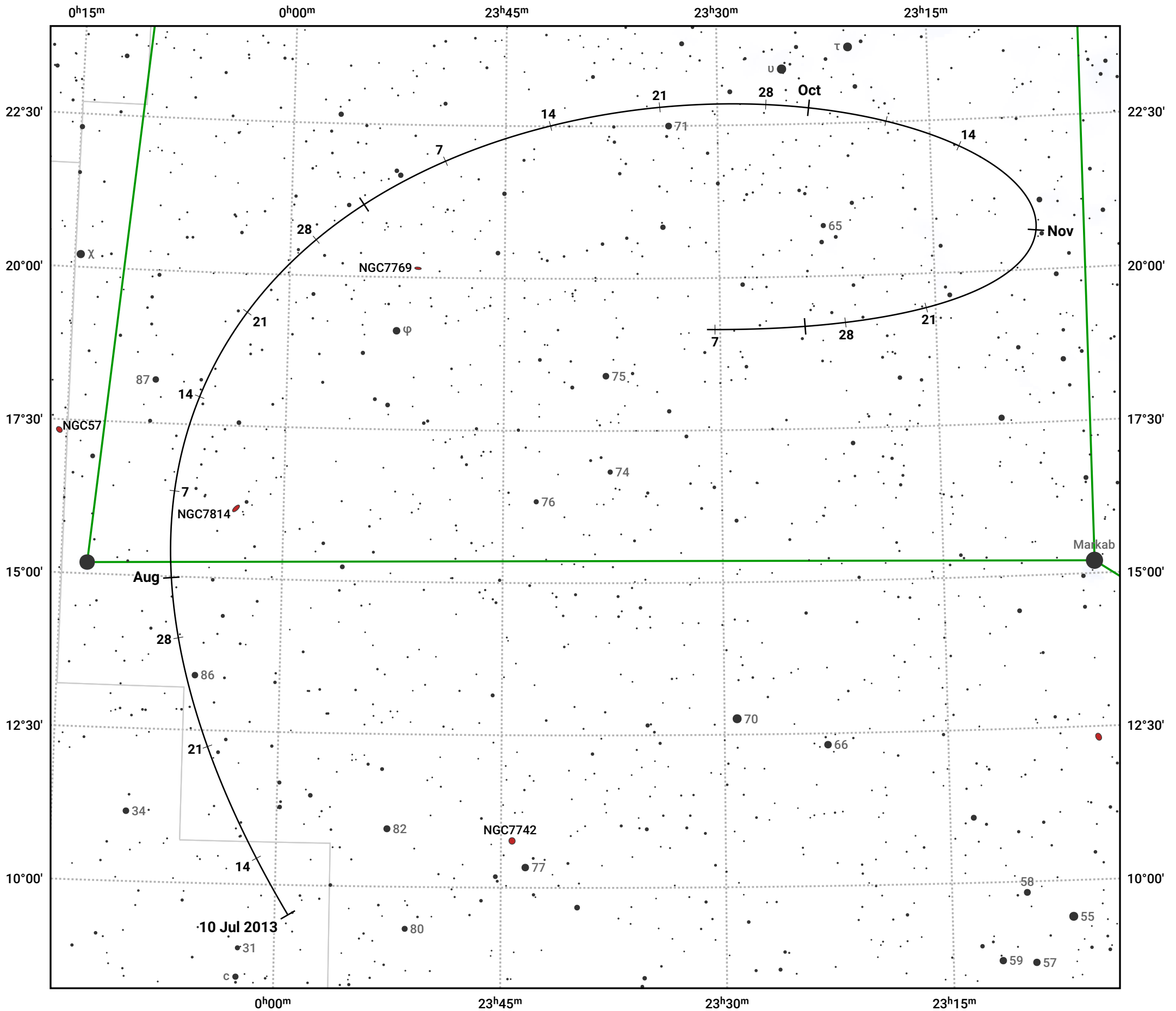
The path of Asteroid 89 Julia around opposition on 23 Sep 2013



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Magnitude scale: 10.0 9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0

Ecliptic Plane

Galaxy Bright nebula Open cluster Globular cluster

Date	Mag	Phase
2013 Aug 1	9.8	95%
2013 Aug 29	9.2	98%
2013 Sep 1	9.2	98%
2013 Oct 1	9.0	99%
2013 Nov 1	9.6	97%
2013 Dec 1	10.2	95%
2013 Dec 3	10.2	95%