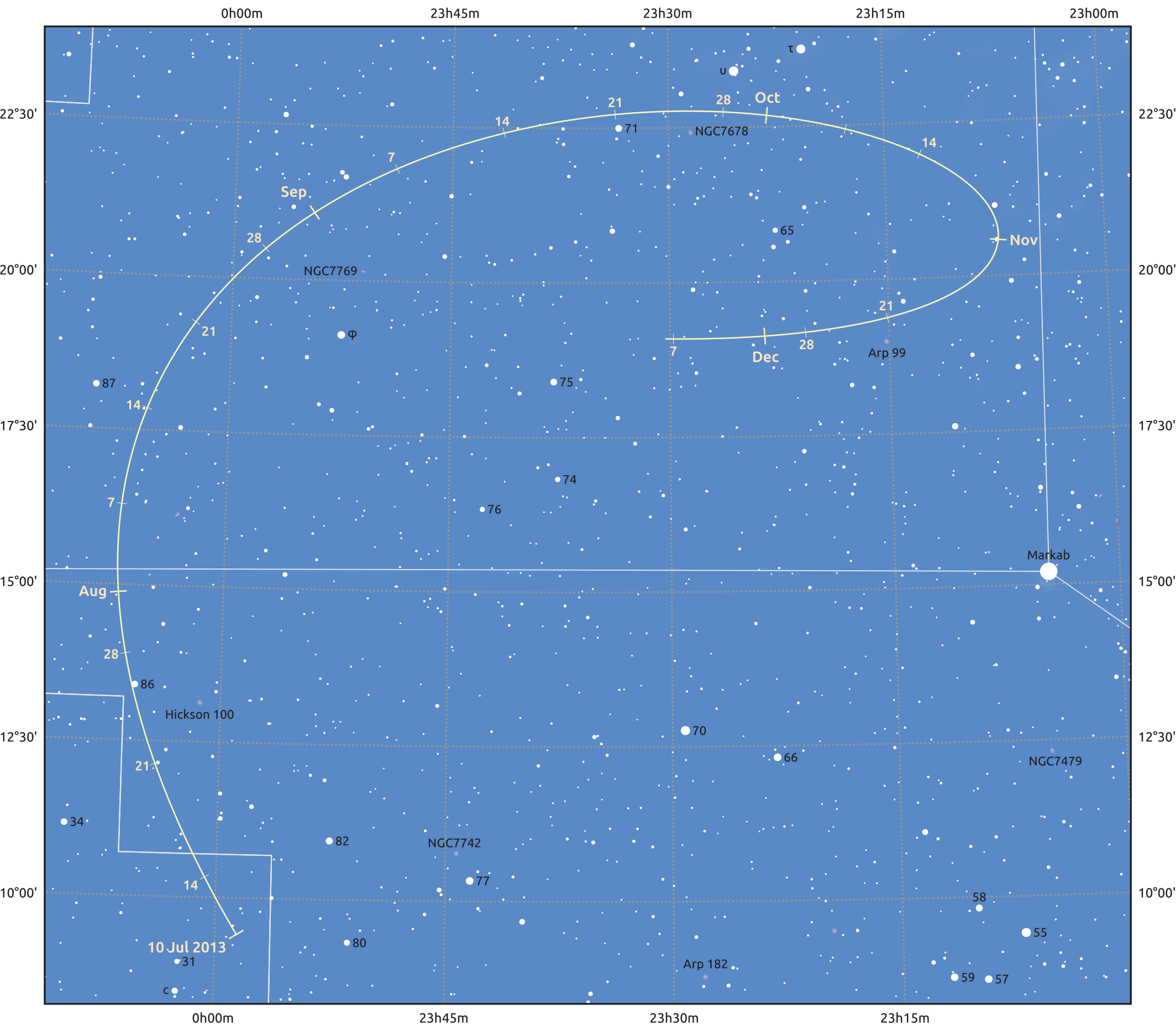


The path of Asteroid 89 Julia around opposition on 23 Sep 2013



© Dominic Ford 2011–2025. Date markers placed at midnight UTC. Downloaded from <https://in-the-sky.org>

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 Planetary nebula

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%