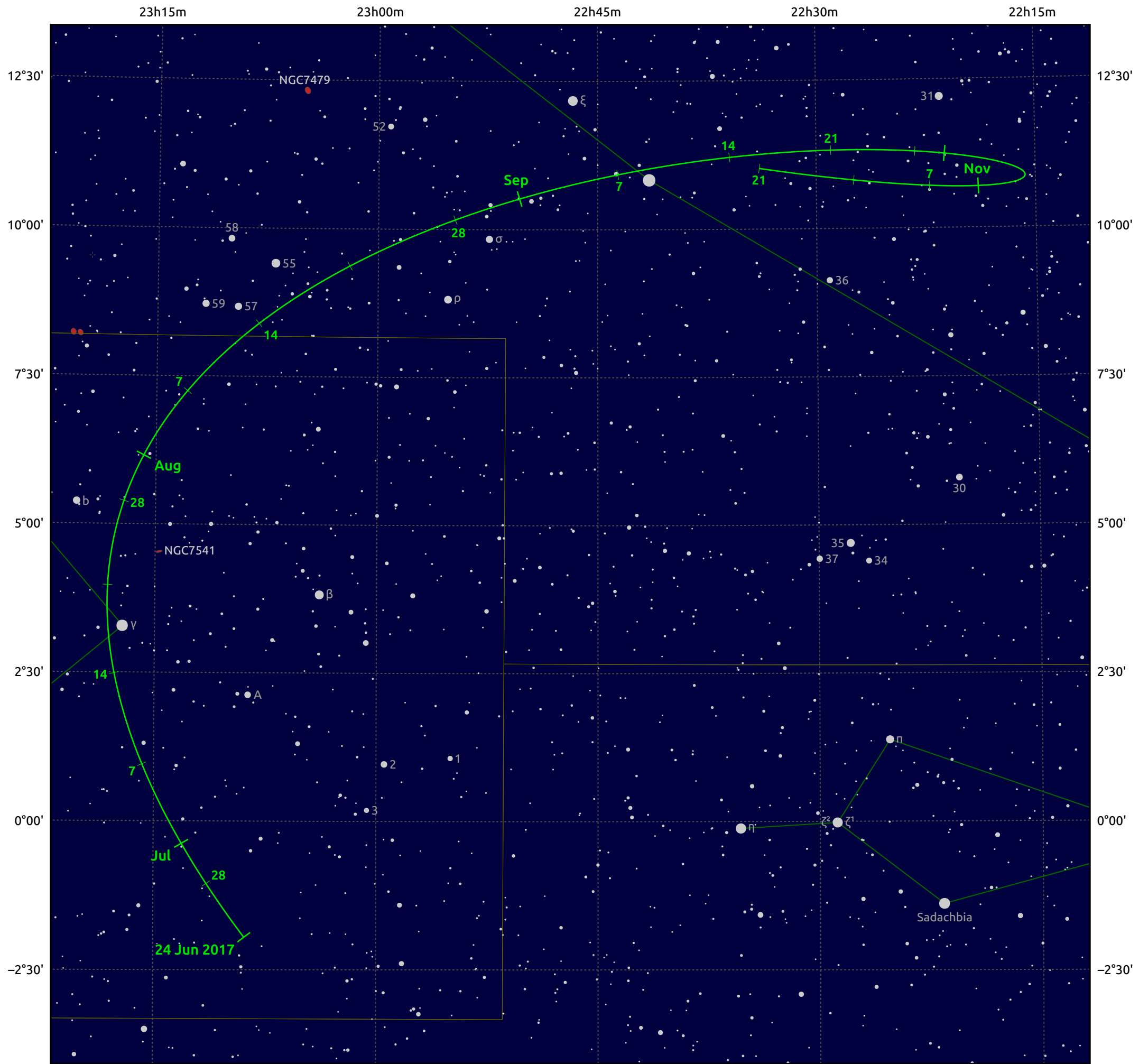


The path of Asteroid 89 Julia around opposition on 7 Sep 2017



© Dominic Ford 2011–2026. 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

— Ecliptic Plane

● Galaxy ■ Bright nebula ● Open cluster ● Globular cluster ● Planetary nebula

Date	Mag	Phase
2017 Jul 1	10.4	95%
2017 Aug 1	9.7	97%
2017 Aug 8	9.5	98%
2017 Sep 1	9.0	99%
2017 Oct 1	9.4	98%
2017 Nov 1	10.1	96%