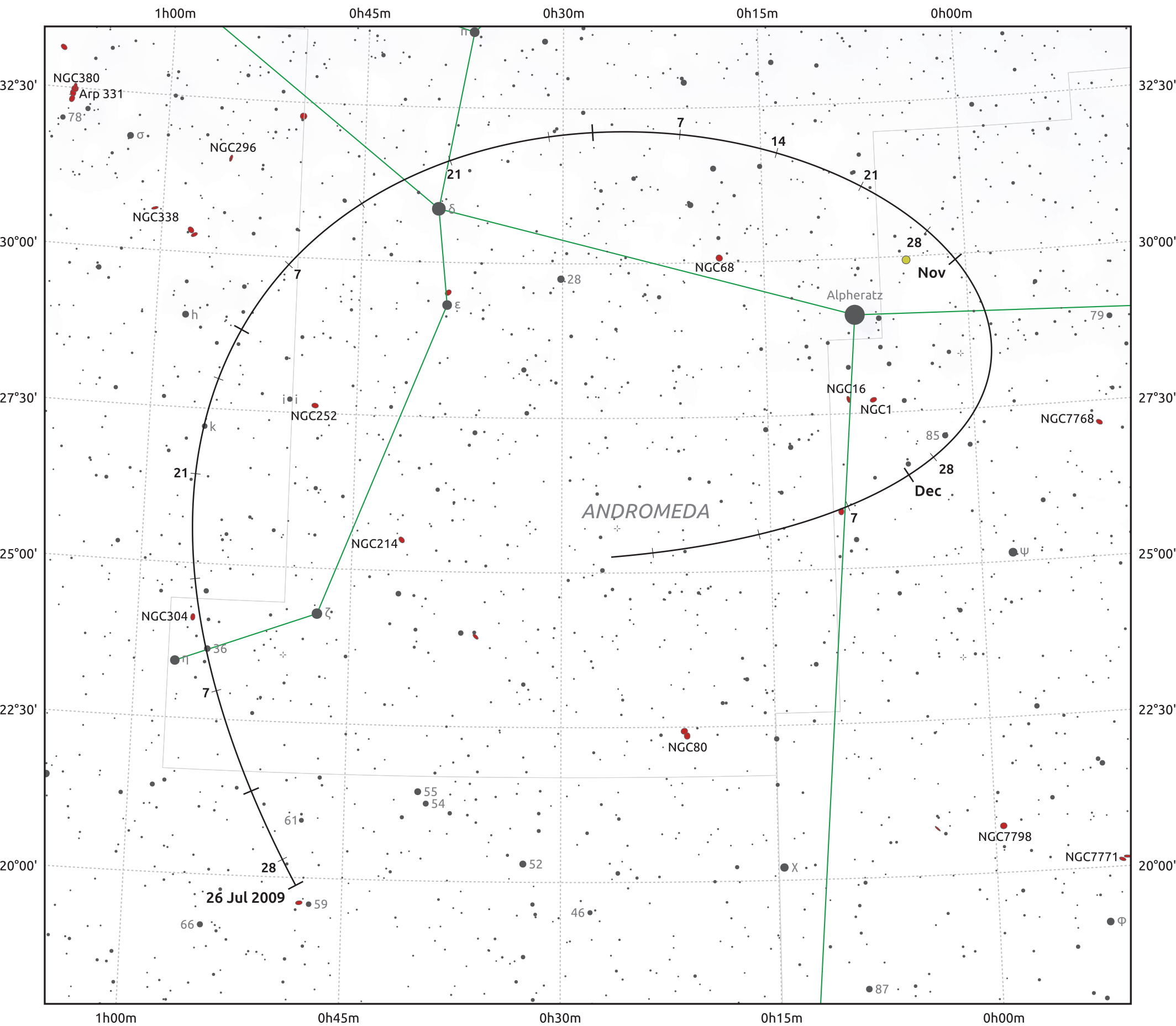


The path of Asteroid 89 Julia around opposition on 9 Oct 2009



© 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

• 2.0

Ecliptic Plane

•

 Galaxy

■

 Bright nebula

●

 Open cluster

⊕

 Globular cluster

⊕

 Planetary nebula

Date	Mag	Phase
2009 Aug 1	10.4	94%
2009 Sep 1	9.8	97%
2009 Sep 22	9.4	98%
2009 Oct 1	9.3	99%
2009 Nov 1	9.6	98%
2009 Dec 1	10.2	96%
2009 Dec 10	10.4	95%