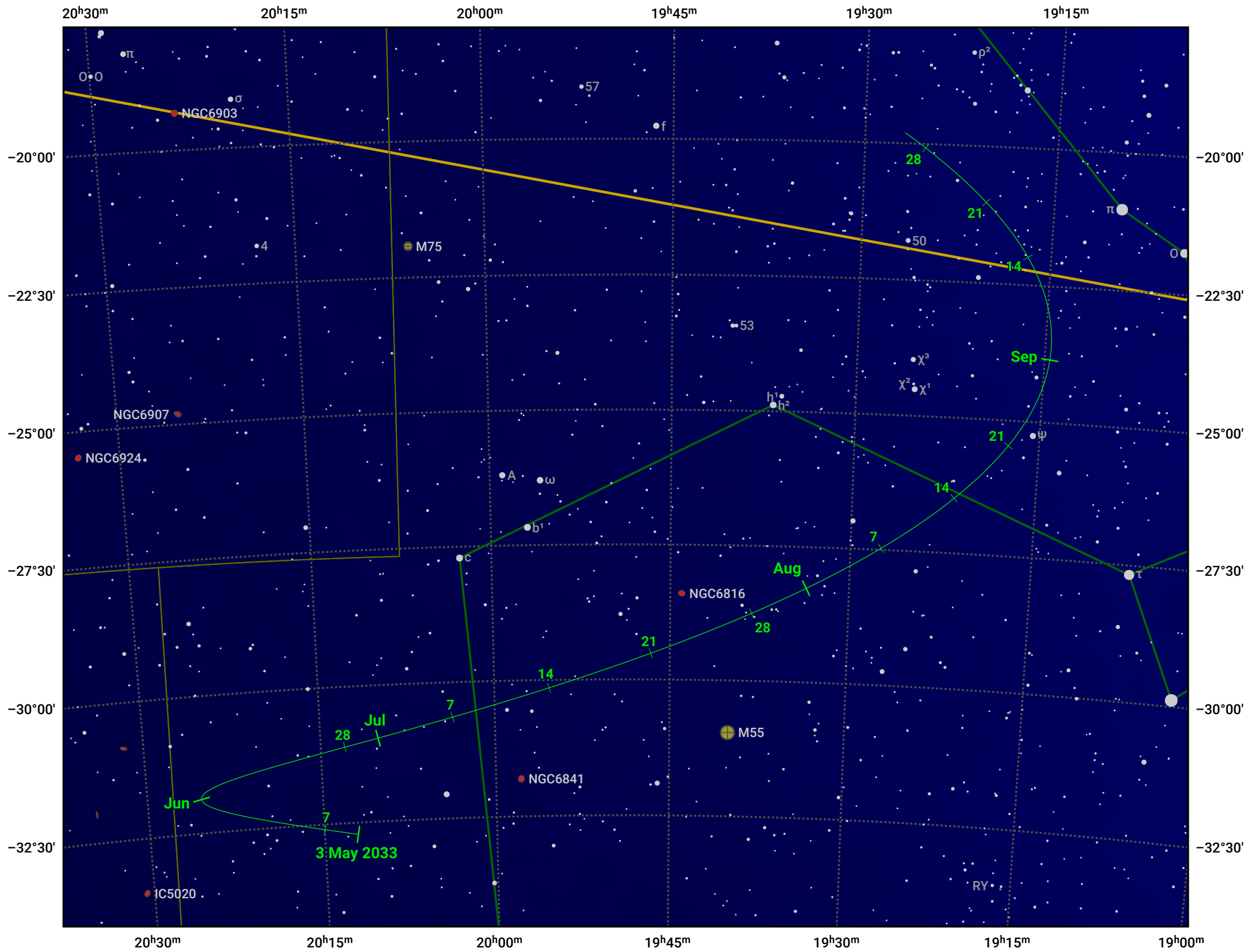


The path of Asteroid 89 Julia around opposition on 17 Jul 2033



© Dominic Ford 2011–2024. Date markers placed at midnight UTC. Downloaded from <https://in-the-sky.org>

Magnitude scale: ● 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
2023 Jun 1	10.2	97%
2023 Jun 16	9.8	98%
2023 Jul 1	9.4	99%
2023 Aug 1	9.2	99%
2023 Sep 1	9.9	97%