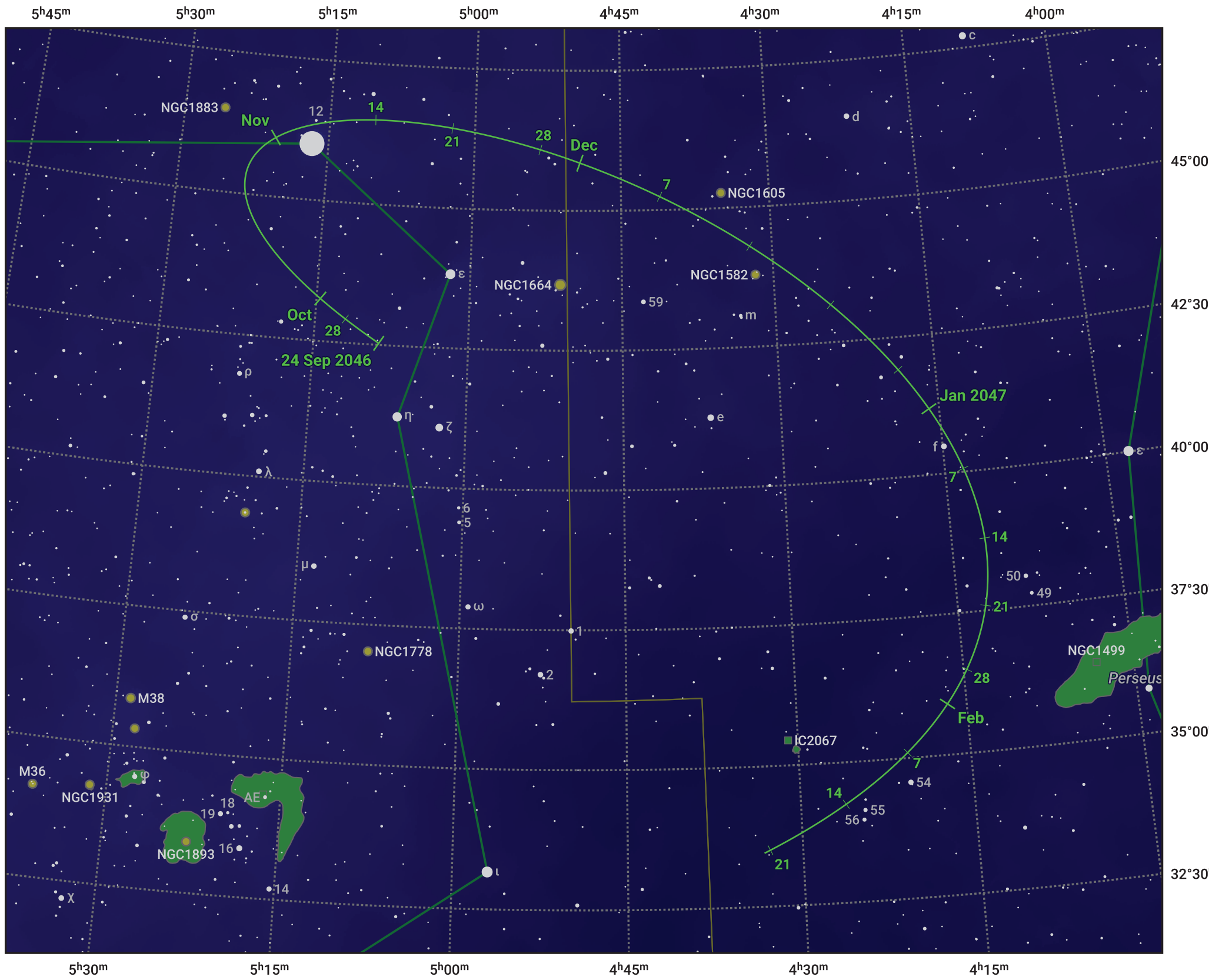


The path of Asteroid 89 Julia around opposition on 8 Dec 2046



© 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 1.0 0.0

— Ecliptic Plane

- Galaxy
- Bright nebula
- Open cluster
- Globular cluster

| Date | Mag | Phase |
|------------|------|-------|
| 2046 Oct 1 | 10.5 | 95% |
| 2046 Nov 1 | 10.1 | 97% |
| 2046 Dec 1 | 9.6 | 99% |
| 2047 Jan 1 | 10.0 | 99% |
| 2047 Feb 1 | 10.8 | 97% |