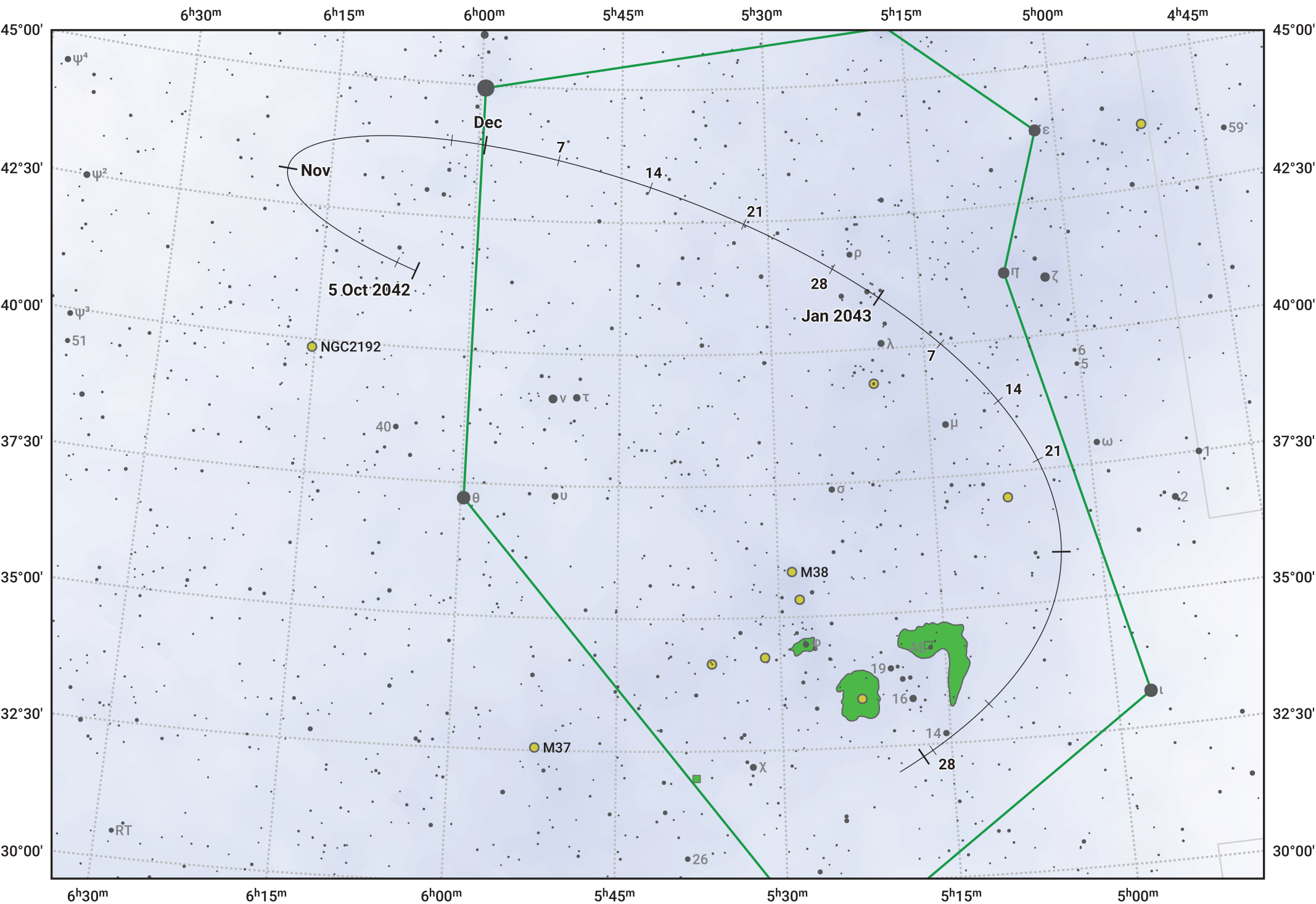


# The path of Asteroid 89 Julia around opposition on 19 Dec 2042



© 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

- Galaxy
- Bright nebula
- Open cluster
- Globular cluster
- Ecliptic Plane

| Date        | Mag  | Phase |
|-------------|------|-------|
| 2042 Nov 1  | 10.4 | 97%   |
| 2042 Dec 1  | 9.9  | 99%   |
| 2042 Dec 13 | 9.7  | 99%   |
| 2043 Jan 1  | 9.9  | 99%   |
| 2043 Feb 1  | 10.7 | 97%   |
| 2043 Feb 5  | 10.7 | 97%   |
| 2043 Mar 1  | 11.2 | 96%   |