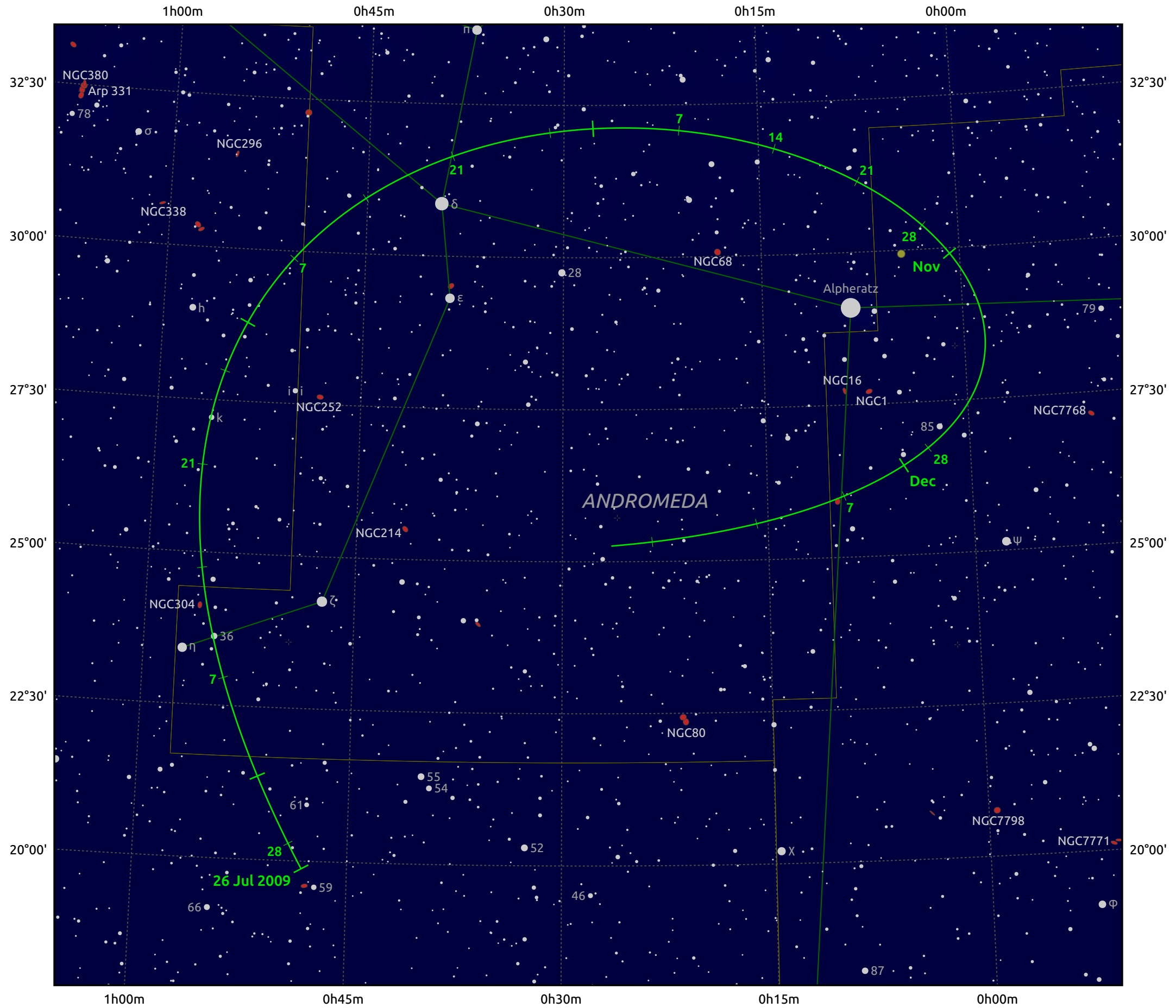


The path of Asteroid 89 Julia around opposition on 9 Oct 2009



© 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%   |