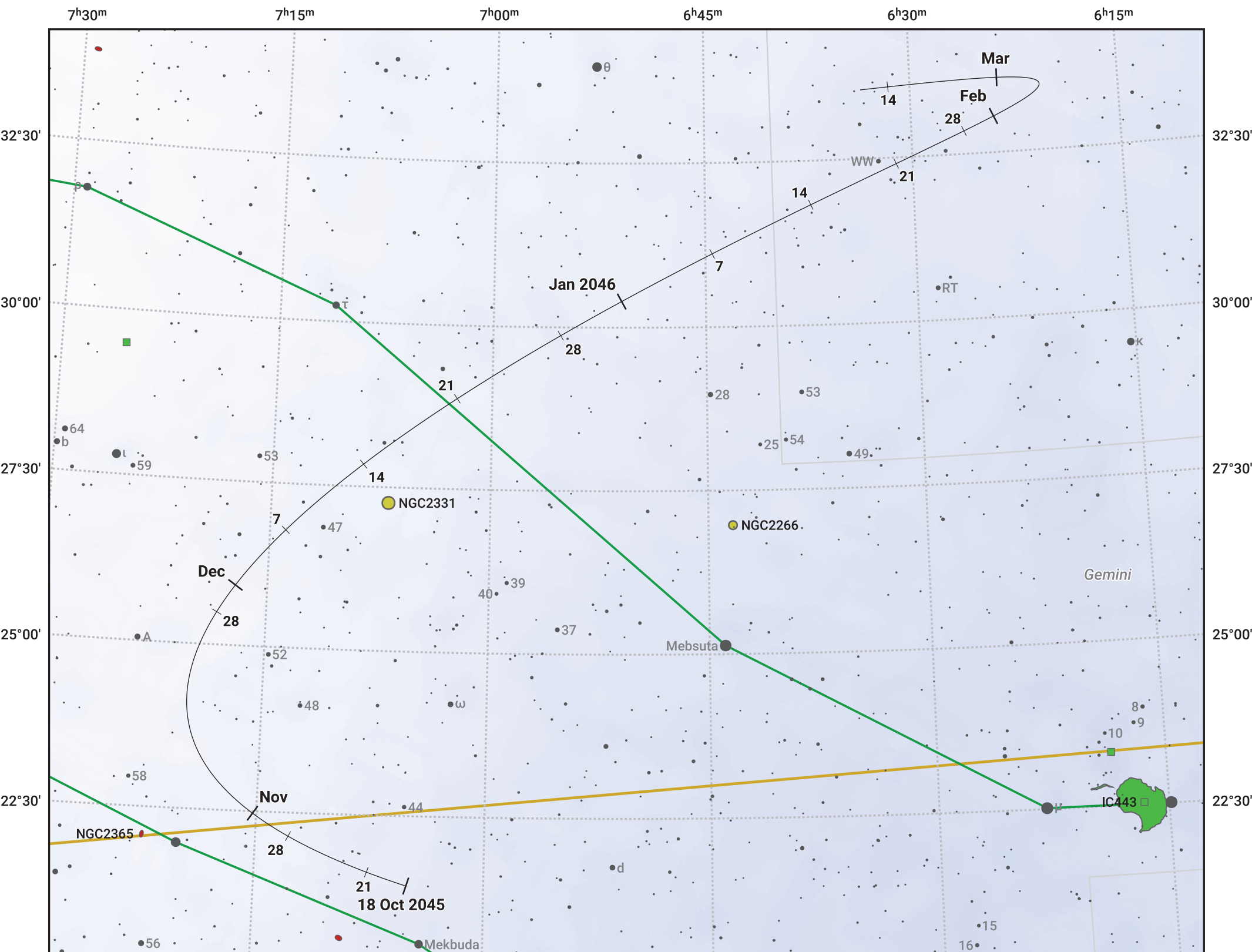


The path of Asteroid 471 Papagena around opposition on 1 Jan 2046



© 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

— Ecliptic Plane

● Galaxy ■ Bright nebula ● Open cluster ● Globular cluster

| Date | Mag | Phase |
|-------------|------|-------|
| 2045 Nov 1 | 10.6 | 96% |
| 2045 Dec 1 | 10.0 | 98% |
| 2045 Dec 14 | 9.8 | 99% |
| 2046 Jan 1 | 9.5 | 100% |
| 2046 Feb 1 | 10.3 | 99% |
| 2046 Feb 22 | 10.8 | 97% |
| 2046 Mar 1 | 10.9 | 97% |