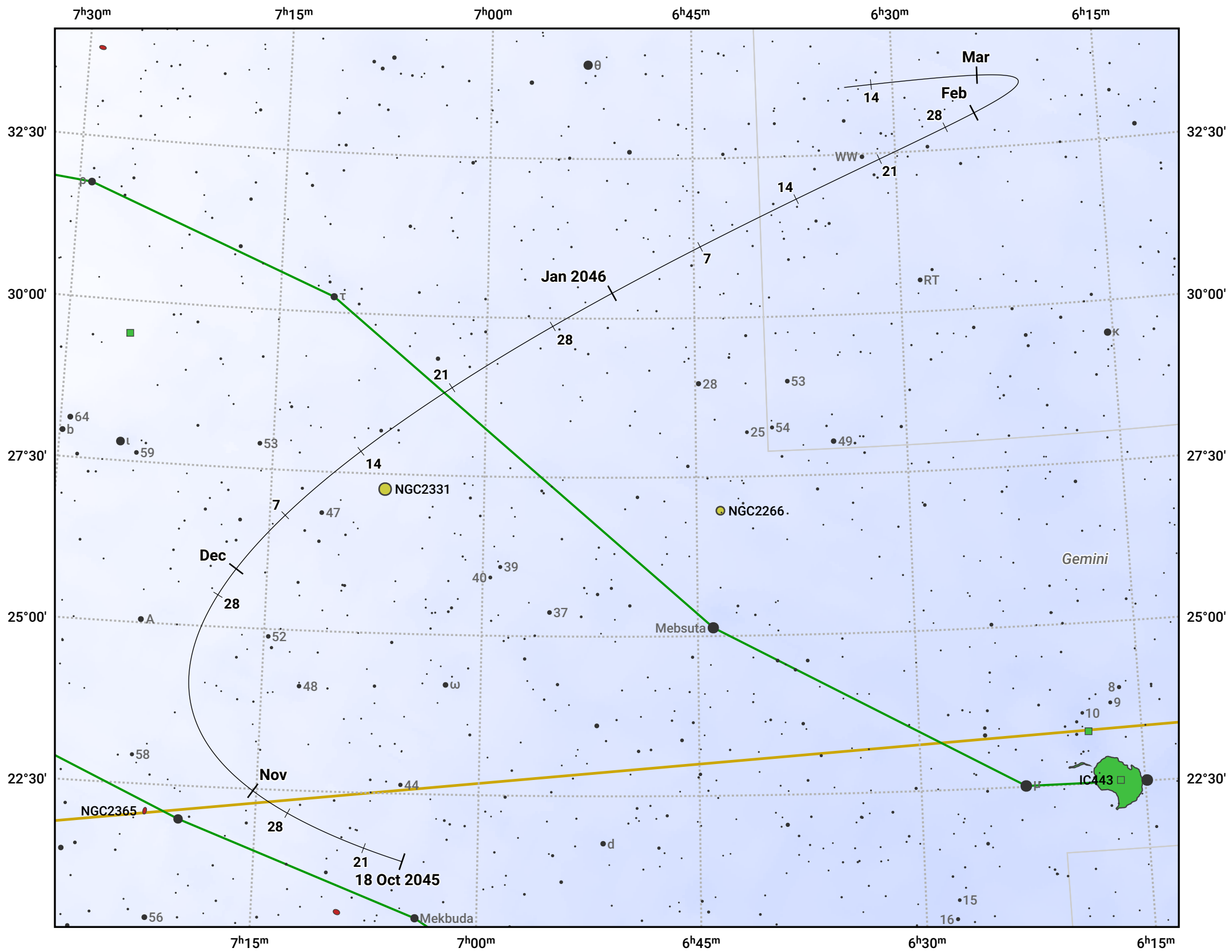


The path of Asteroid 471 Papagena around opposition on 1 Jan 2046



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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% |