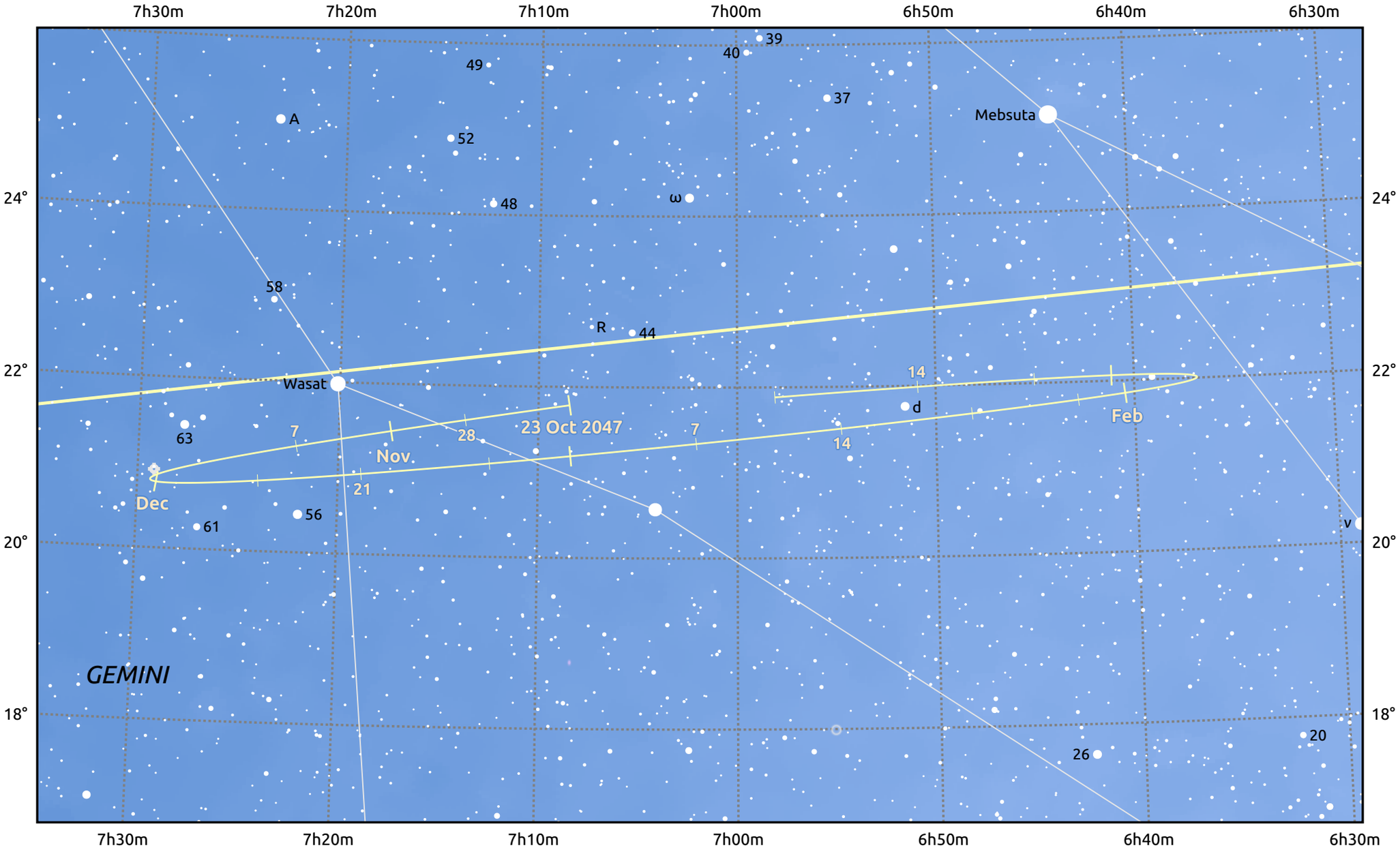
The path of Asteroid 20 Massalia around opposition on 6 Jan 2048



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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
2047 Nov 1	10.2	95%
2047 Dec 1	9.5	97%
2047 Dec 6	9.4	98%
2048 Jan 1	8.6	100%
2048 Jan 6	8.4	100%
2048 Feb 1	9.3	98%
2048 Feb 6	9.4	98%
2048 Mar 1	10.0	95%
2048 Mar 20	10.4	94%