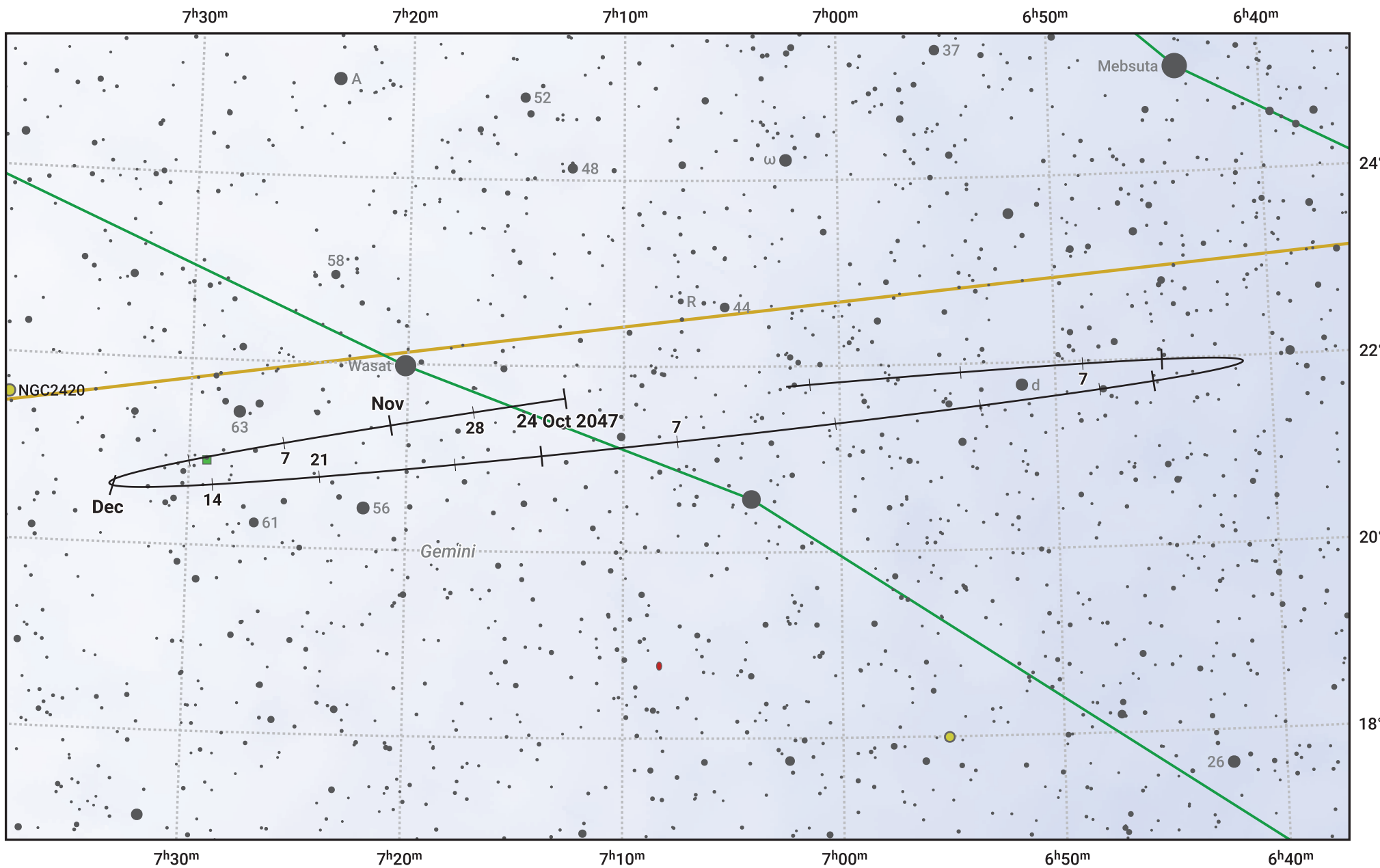


The path of Asteroid 20 Massalia around opposition on 7 Jan 2048



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Magnitude scale: \bullet 10.0 \bullet 9.0 \bullet 8.0 \bullet 7.0 \bullet 6.0 \bullet 5.0 \bullet 4.0 \bullet 3.0 \bullet 2.0

— Ecliptic Plane

Galaxy Bright nebula Open cluster Globular cluster

Date	Mag	Phase
2047 Nov 1	10.3	95%
2047 Dec 1	9.6	97%
2047 Dec 7	9.4	98%
2048 Jan 1	8.6	100%
2048 Jan 7	8.4	100%
2048 Feb 1	9.2	99%
2048 Feb 7	9.4	98%
2048 Mar 1	10.0	96%
2048 Mar 22	10.4	94%