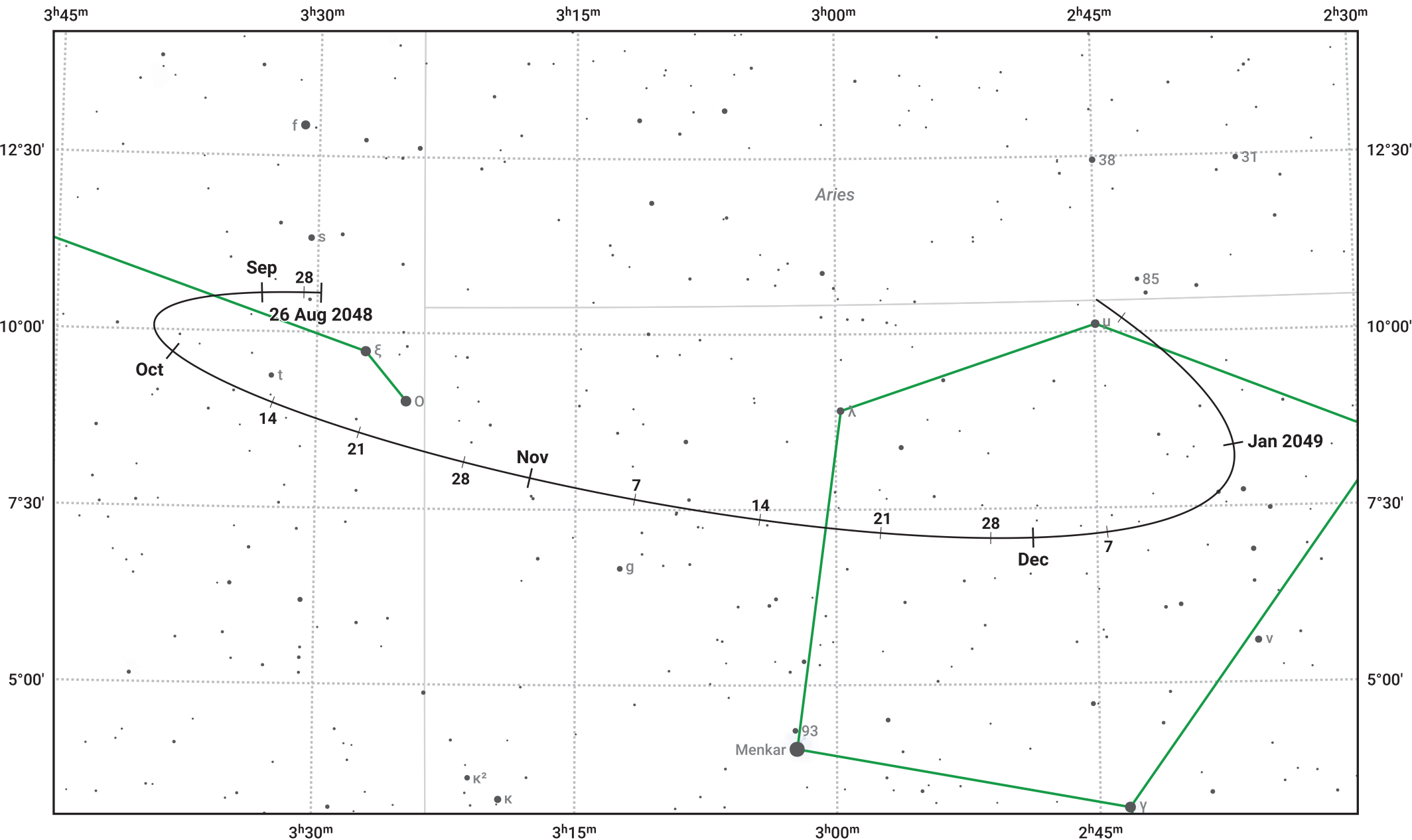


The path of Asteroid 4 Vesta around opposition on 9 Nov 2048



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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
2048 Sep 1	7.9	96%
2048 Oct 1	7.4	98%
2048 Oct 20	7.0	99%
2048 Nov 1	6.7	100%
2048 Dec 1	7.0	99%
2049 Jan 1	7.7	97%
2049 Jan 14	8.0	97%