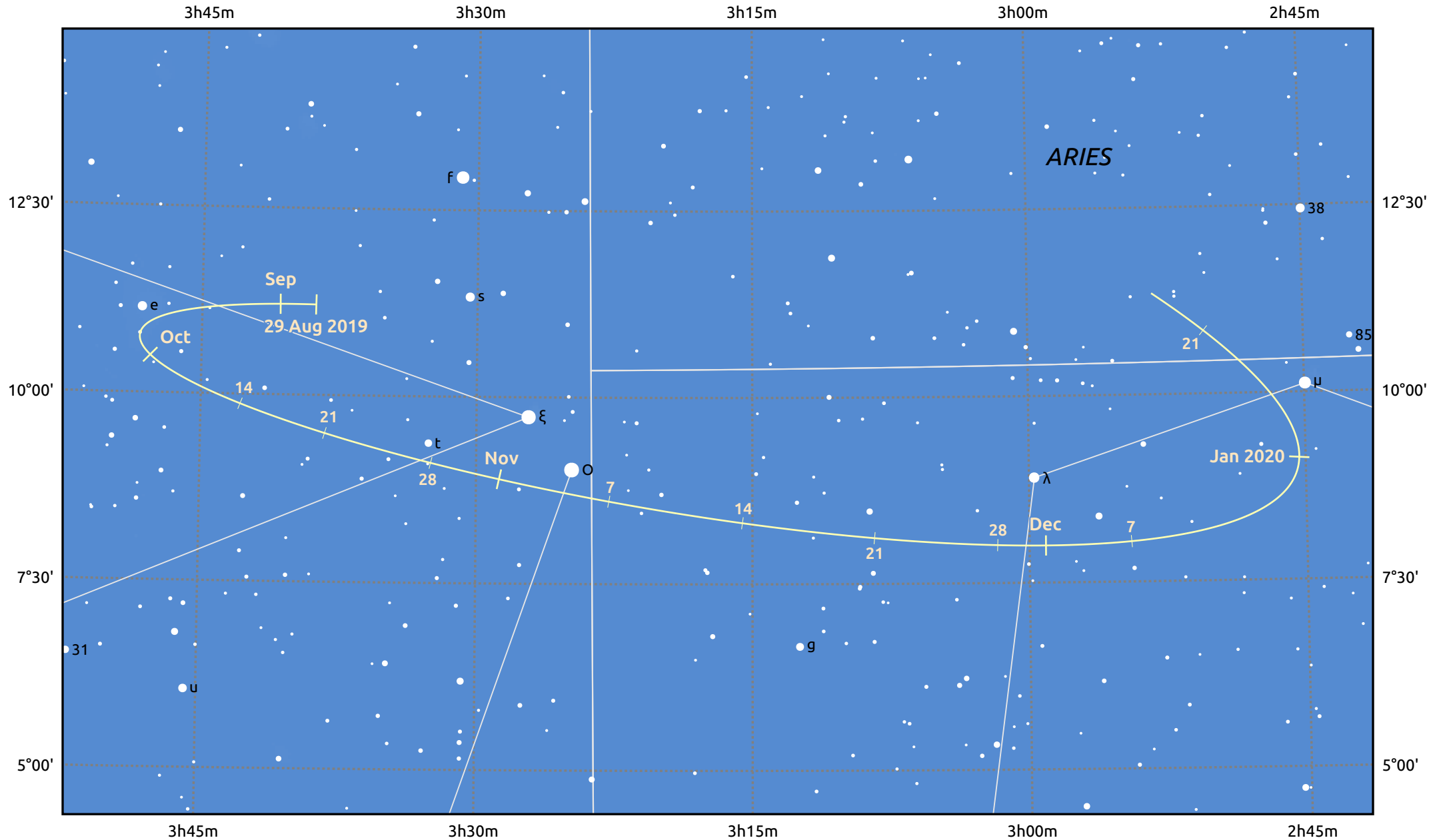


The path of Asteroid 4 Vesta around opposition on 12 Nov 2019



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Magnitude scale: ● 9.0 ● 8.0 ● 7.0 ● 6.0 ● 5.0 ● 4.0 ● 3.0

— Ecliptic Plane

Galaxy Bright nebula Open cluster Globular cluster Planetary nebula

Date	Mag	Phase
2019 Sep 1	7.9	96%
2019 Oct 1	7.4	98%
2019 Oct 22	7.0	99%
2019 Nov 1	6.8	100%
2019 Dec 1	7.0	99%
2020 Jan 1	7.7	97%
2020 Jan 18	8.0	96%