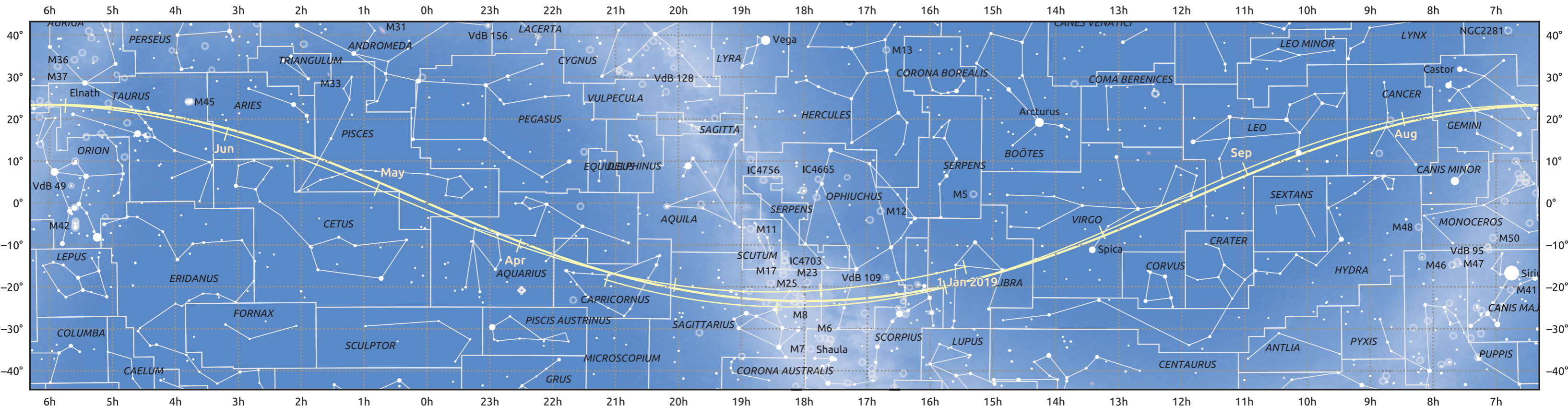


The path of Venus in 2019



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Magnitude scale: \bullet -5.0 \bullet -4.0 \bullet -3.0 \bullet -2.0 \bullet -1.0 \bullet 0.0 \bullet -1.0 \bullet -2.0

— Ecliptic Plane

\bullet Galaxy \circ Bright nebula \circ Open cluster \circ Globular cluster \diamond Planetary nebula

Date	Mag	Phase	Angular size
2019 Jan 1	-4.5	47%	26.3"
2019 Apr 1	-4.0	81%	13.1"
2019 Jul 1	-3.9	98%	9.9"
2019 Oct 1	-3.9	98%	10.0"
2020 Jan 1	-4.0	82%	13.1"