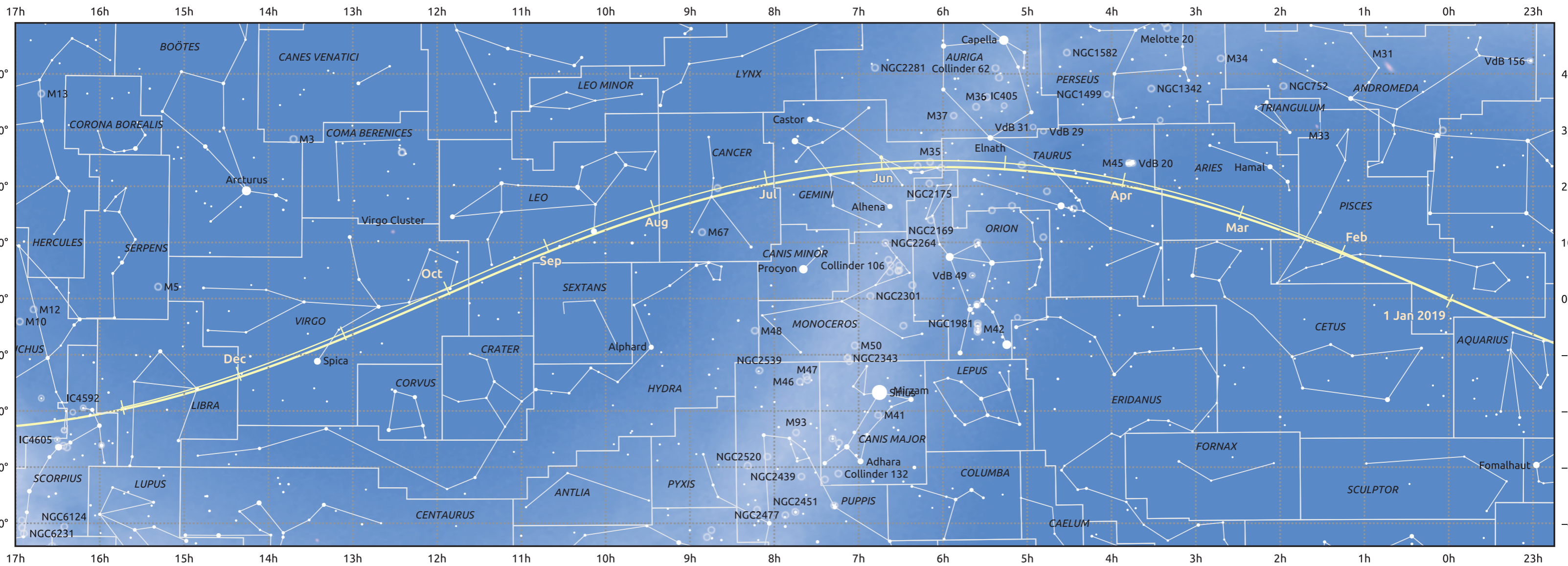


The path of Mars in 2019



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Magnitude scale: -5.0 -4.0 -3.0 -2.0 -1.0 -2.0

Ecliptic Plane

Galaxy Bright nebula Open cluster Globular cluster Planetary nebula

Date	Mag	Phase	Angular size
2019 Jan 1	0.5	87%	7.4"
2019 Apr 1	1.4	94%	4.6"
2019 Apr 3	1.5	94%	4.6"
2019 Jul 1	1.8	99%	3.7"
2019 Oct 1	1.8	100%	3.5"
2020 Jan 1	1.6	96%	4.3"