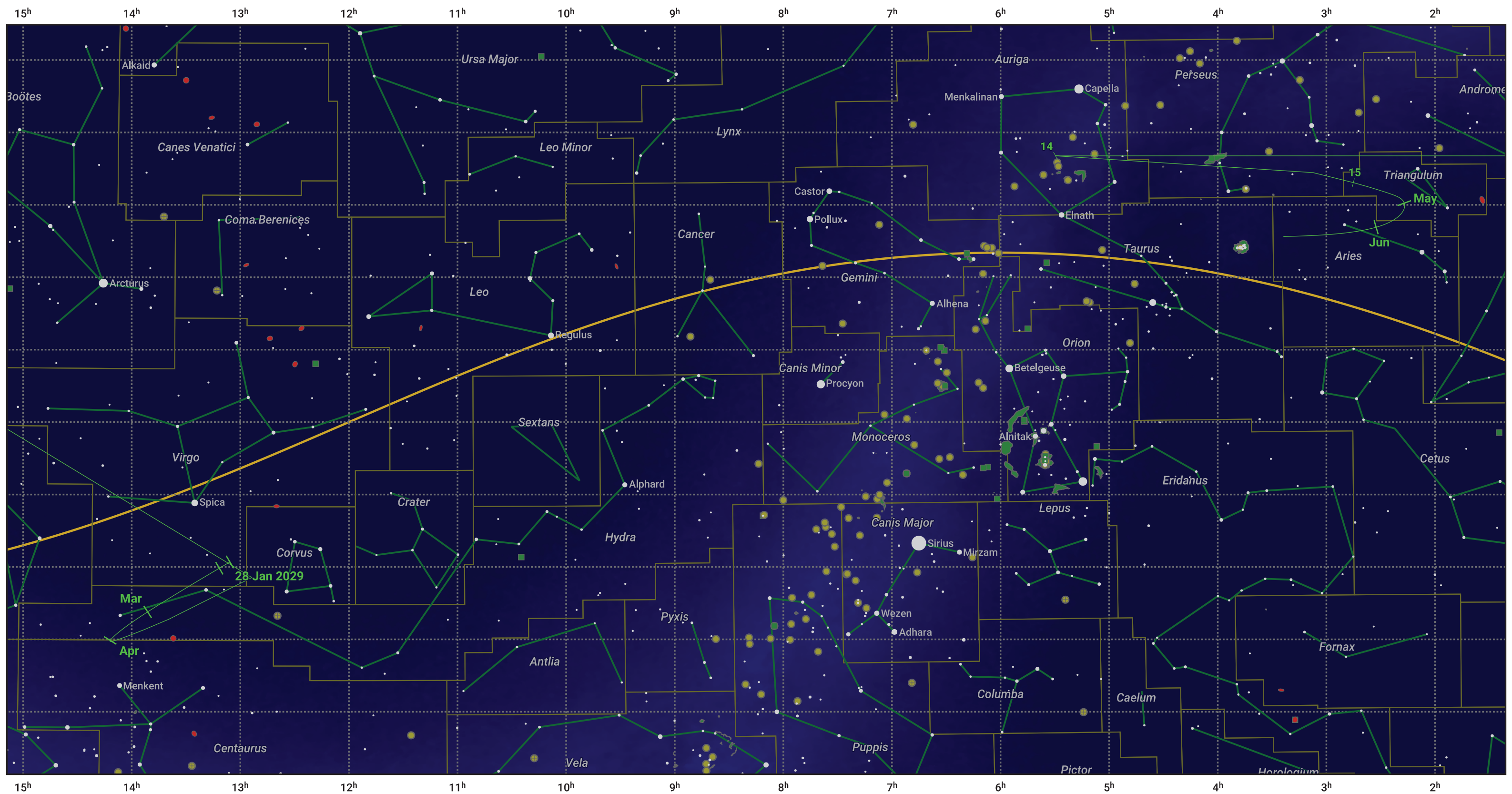


The path of Asteroid 99942 Apophis around opposition on 13 Apr 2029



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

— Ecliptic Plane

Galaxy Bright nebula Open cluster Globular cluster

Date	Mag	Phase
2029 Feb 1	18.5	76%
2029 Feb 20	17.6	80%
2029 Mar 1	17.0	83%
2029 Mar 8	16.5	85%
2029 Mar 19	15.5	88%
2029 Mar 27	14.5	91%
2029 Apr 1	13.6	92%
2029 Apr 2	13.4	93%
2029 Apr 6	12.4	94%
2029 Apr 9	11.3	95%
2029 Apr 11	10.1	96%
2029 Apr 13	7.3	97%
2029 Apr 15	15.6	6%
2029 Apr 16	17.7	5%
2029 Apr 17	18.9	4%
2029 Apr 19	20.5	4%
2029 Apr 22	22.1	3%
2029 Apr 25	23.4	3%
2029 Apr 29	24.6	2%
2029 May 1	25.1	2%
2029 May 24	23.6	6%
2029 Jun 1	22.7	9%
2029 Jun 3	22.5	10%
2029 Jun 19	21.5	19%