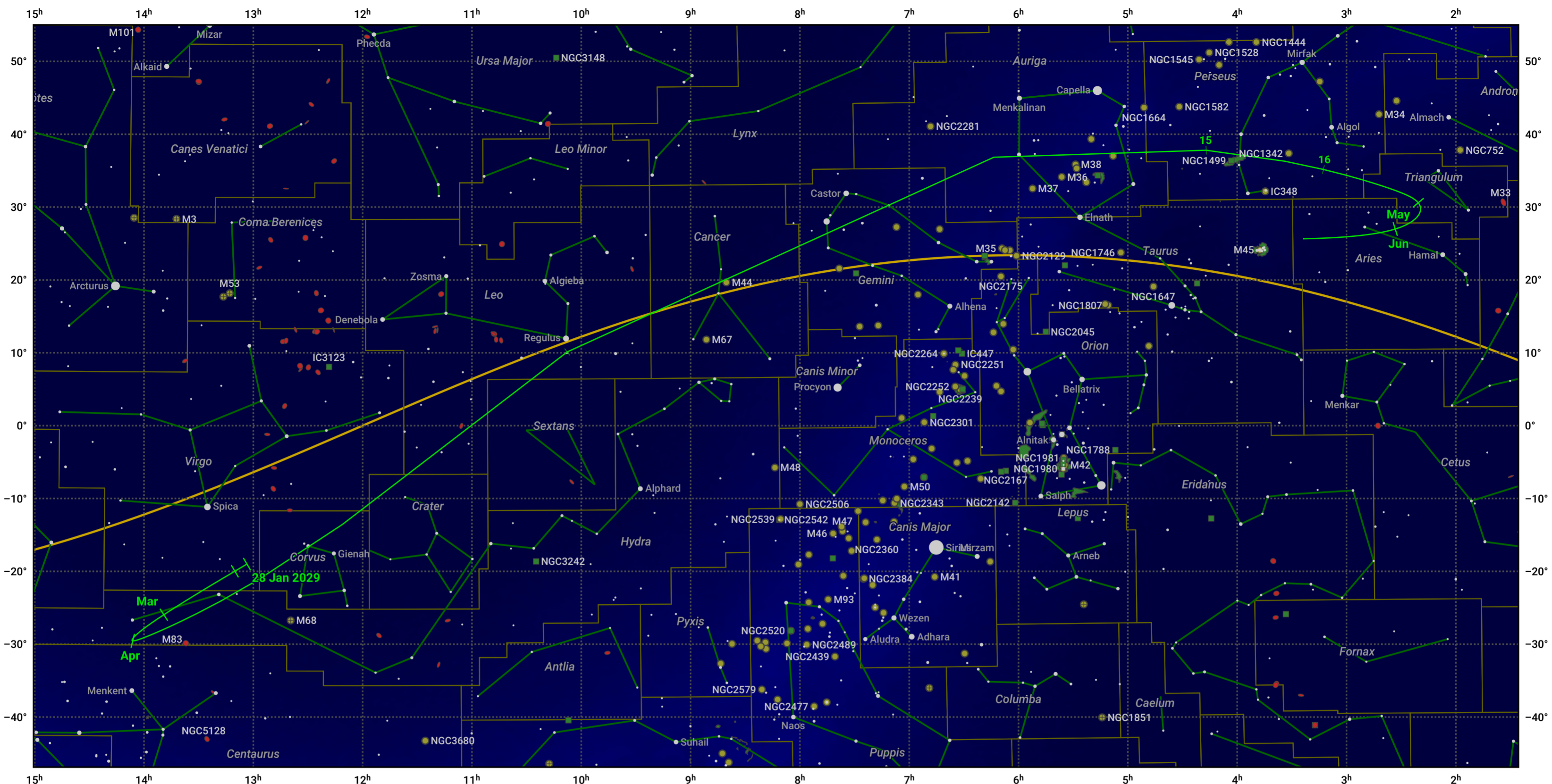


The path of Asteroid 99942 Apophis around opposition on 13 Apr 2029



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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	81%
2029 Mar 1	17.0	83%
2029 Mar 8	16.5	85%
2029 Mar 19	15.5	89%
2029 Mar 27	14.5	91%
2029 Apr 1	13.7	93%
2029 Apr 2	13.5	93%
2029 Apr 7	12.1	95%
2029 Apr 10	10.8	96%
2029 Apr 12	9.3	98%
2029 Apr 13	7.9	99%
2029 Apr 14	6.8	80%
2029 Apr 15	12.6	16%
2029 Apr 16	15.8	8%
2029 Apr 17	17.6	6%
2029 Apr 18	18.7	5%
2029 Apr 20	20.4	4%
2029 Apr 22	21.6	3%
2029 Apr 25	23.0	3%
2029 Apr 28	24.1	2%
2029 May 1	25.0	2%
2029 May 2	25.2	2%
2029 May 22	23.9	5%
2029 May 31	22.9	8%
2029 Jun 1	22.8	9%
2029 Jun 13	21.9	15%