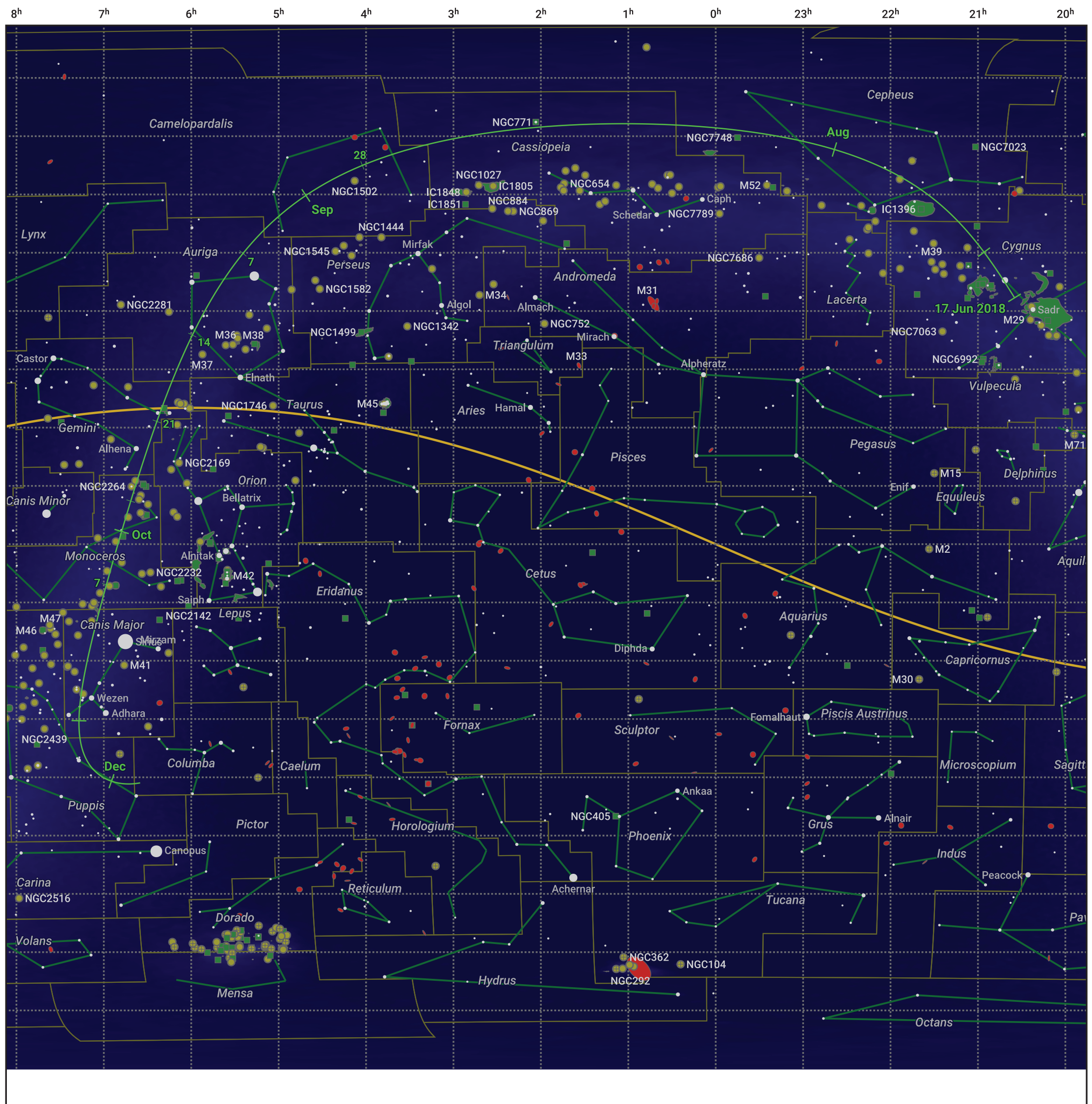


The path of 21P/Giacobini-Zinner starting on 17 Jun 2018



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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
2018 Jul 1	11.4
2018 Jul 4	11.2
2018 Jul 20	10.1
2018 Aug 4	9.1
2018 Aug 19	8.1
2018 Sep 1	7.4
2018 Sep 8	7.1
2018 Oct 12	8.1
2018 Oct 27	9.1
2018 Nov 1	9.5
2018 Nov 12	10.2
2018 Nov 29	11.2