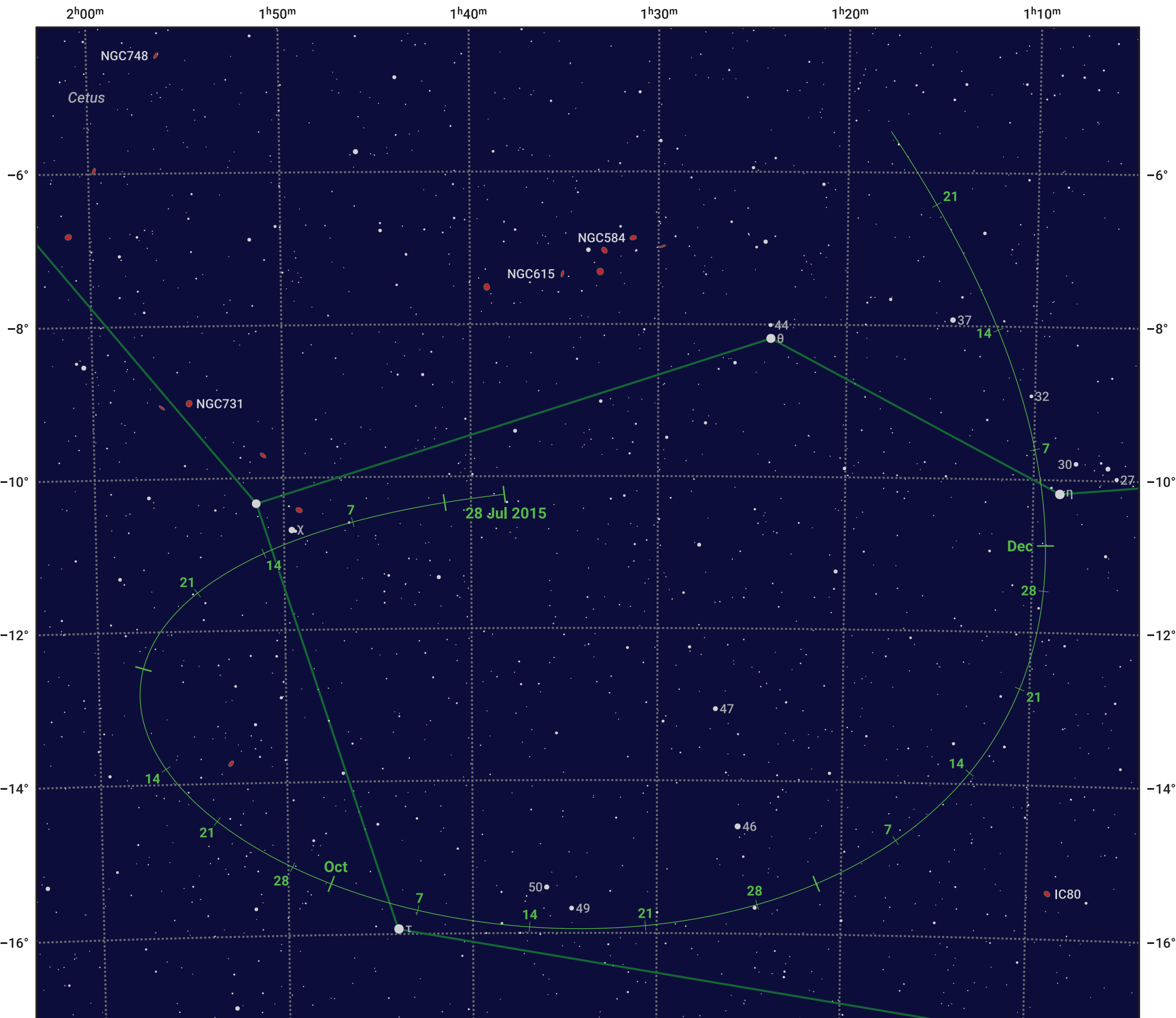


The path of Asteroid 471 Papagena around opposition on 11 Oct 2015



© Dominic Ford 2011–2024. Date markers placed at midnight UTC. Downloaded from <https://in-the-sky.org>

Magnitude scale: 11.0 10.0 9.0 8.0 7.0 6.0 5.0 4.0 3.0

Ecliptic Plane



Galaxy



Bright nebula



Open cluster



Globular cluster

Date	Mag	Phase
2015 Aug 1	10.6	96%
2015 Sep 1	10.0	97%
2015 Sep 17	9.7	98%
2015 Oct 1	9.4	99%
2015 Nov 1	9.5	98%
2015 Dec 1	10.1	96%