

The Observer's Challenge Objects

Submitted by Larry McHenry, Pittsburgh, PA. <http://stellar-journeys.org>

January: NGC 1501 – Planetary Nebula – Camelopardalis; $\text{mag}_v = 11.5$; Size 52"
RA: 04h 07m; Dec: +60° 55'

NGC1501 (planetary nebula): Located in the fall constellation of Camelopardalis, 'The Giraffe, is the small 'planetary-shaped' NGC1501, glowing at +13th magnitude and is about 4,240 Ly distant. The 'Oyster Nebula' displays a central star embedded in the center of the planetary's mottled circular nebulosity. The planetary is visible without using filters, but a narrowband filter helps to bring out internal details.

NGC1501 was first observed on November 3rd, 1787 by William Herschel using his '20-ft' telescope, who described it as *"a pretty bright planetary nebula, near 1' in diameter. Round, of uniform light and pretty well defined,,,,,"*.

Video-Capture/EAA:

11/06/2021: from dark-sky location at Calhoun County Park, WV.

Using an 8" SCT optical tube @ f6.3 on a GEM mount, with a CMOS color camera and narrowband filter @ 60-second guided exposure, livestacked for 5 minutes. More camera/mount details on my website.

