

## *The Observer's Challenge Objects*

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August: NGC 6772 – Planetary Nebula – Aquila; mag<sub>v</sub>=12.7; Size = 70"×56"  
RA: 19h 15m; Dec -02° 42'

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### NGC6772

The bipolar planetary nebula NGC6772 is located in the summer constellation of Aquila - 'The Eagle'. The 13<sup>th</sup> magnitude planetary is about 4,000 light years distant, and spans a size of about 1.5 light years.

William Herschel discovered this object on July 21<sup>st</sup>, 1784 from his home in Datchet, near Windsor during his nightly 'sweep' observing using his 20-foot reflector (18.7" speculum metal mirror). Herschel described the nebula as "*Very faint of equal light, resolvable 1' in diameter in the midst of numberless stars of the Milky-Way*". He entered the nebula as the 14<sup>th</sup> object under class – IV 'Planetary Nebula'.

### **Video-Capture/EAA:**

06/28/2022: from the ORAS Observatory, PA, using an 8" SCT optical tube @ f6.3 on a GEM mount, with a CMOS color camera and narrowband filter, 180-second guided exposure, live-stacked for 15 minutes. Using EAA techniques, NGC6772 displays as a bright, colorful, eye-shaped oval, with a hint of the central star being visible.

