

## *The Observer's Challenge Objects*

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

January: NGC 936 – Galaxy – Cetus; mag<sub>v</sub> = 10.2; Size = 4.7' x 4.1'  
RA: 02h 27m 37s; Dec: -01° 09' 22"

---

Barred lenticular galaxy **NGC936** is located in the late fall constellation of Cetus - 'The Sea Monster'. The galaxy is about 60 million light-years distant. NGC936 was discovered on the night of January 6<sup>th</sup>, 1785 by William Herschel using his 20 ft reflector at his home in Slough, near Windsor Castle.

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

On 10/11/2023, from ORAS Observatory in western PA. Using an 8" SCT optical tube @ f6.3 on a GEM mount, with a CMOS color camera and broadband filter, 3 minute guided exposure, EAA live-stacked for 30 minutes.



Using EAA techniques, the bright 10th mag oval shaped galaxy NGC936 is located in a rich field that also contains several other small galaxies – NGC941 about 12' to the east (bottom of image) and fainter spiral PGC9394 to the SE. A ring shaped spiral arm can be faintly seen within the face-on halo of NGC936, containing brighter sections where the bar attaches to the galaxy's core. The galaxy has been whimsically nicknamed the "Darth Vader Galaxy" due to its resemblance to a Star Wars Tie Fighter.