

## **The Observer's Challenge Objects**

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**June: NGC5774/75** – Galaxy pair – **Virgo**; Mag. V=11.3 / 12.3; Size 3.9'x0.8' / 1.9'x1.1'  
RA: 14h 53m 43s Dec. +03° 34' 57"

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The spiral galaxy pair **NGC5774 & 5775** are located in the spring constellation of Virgo. NGC5774 is a face-on SAB type spiral about 71 million light-years distant. NGC5775 is a spindle Sbc spiral about 66 Mly distant. Both galaxies appear to be interacting and may be in the process of merging.

NGC5775 (H3 554) was discovered on the night of May 27th, 1786 by William Herschel using his 20 ft reflector, at his home in Slough, near Windsor Castle. NGC5774 was not seen by Herschel.

**Video-Capture/EAA:** 04/19/2023, from Calhoun County Park in West Virginia.  
Using an 8" SCT optical tube @ f6.3 on a GEM mount, with a CMOS color camera and broadband filter, 180-second guided exposure, live-stacked for 30 minutes.



Using EAA techniques: NGC5775 stands out well from the surrounding star field, displaying a bright spindle-shape with a mottled dark lane bisecting the galaxy, with bright knots visible. The fainter face-on spiral NGC5774 displays a bright core with a central bar, along with several spiral arms containing knots. A pretty example of a face-on and spindle galaxies together in the same field of view!