

The Observer's Challenge Objects

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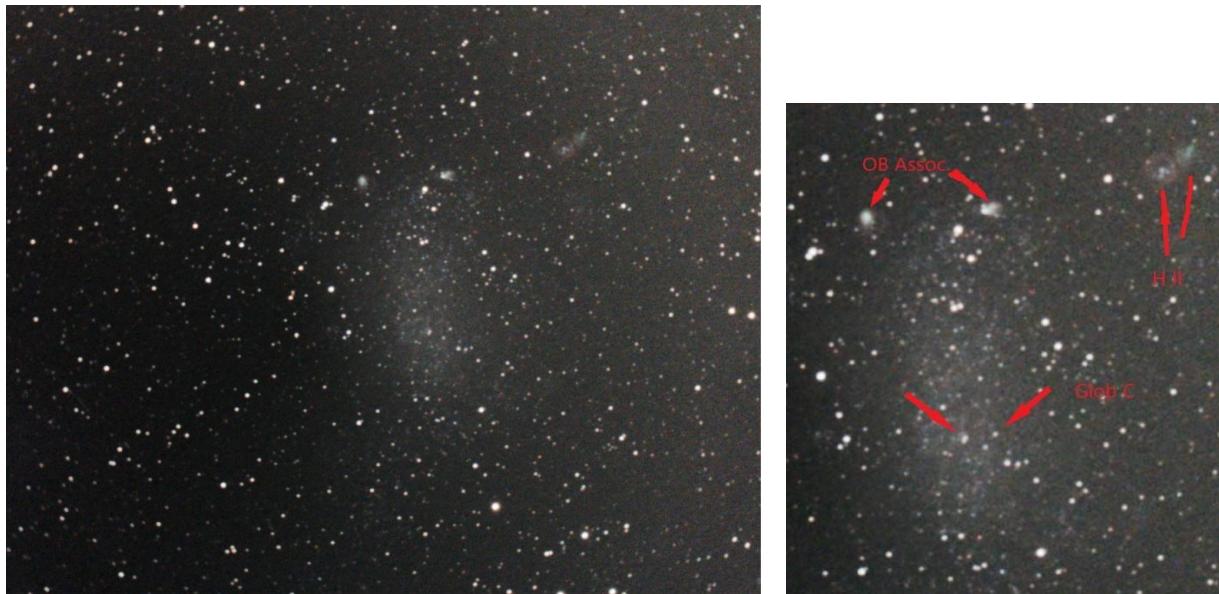
September: **NGC 6822** - Galaxy - Sagittarius; $\text{mag}_v=9.3$; RA: 19h 44m 56.6s Dec: $-14^\circ 47' 21''$

Local Group barred irregular dwarf galaxy **NGC6822** is located in the summer constellation of Sagittarius - 'The Archer'. It is about 1.6 million light years distant, and about 7,000 light-years in diameter and shows active star formation. After the Magellanic Clouds and the Sagittarius Dwarf Galaxy, NGC6822 is the fourth closest galaxy to the Milky Way.

NGC6822 was discovered on August 17th, 1884 by American astronomer E.E. Barnard at the Vanderbilt University Observatory using its 6" Cooke refractor. Barnard describes the object as "*excessively faint nebula,, very diffuse and even in its light.*".

EAA Observation:

09/07/2021 from ORAS Observatory, Using a Meade 14" SCT @ f6.3 on a Fork Wedge mount, with a CMOS/USB color camera and broadband filter @ 60-second guided exposure livestacked for 5 minutes.



Visibly, the elongated galaxy is highly inclined to our view point, with several HII star forming regions and large OB associations being observable. No bright central core is visible nor any dust lanes.