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ASTRONOMÍA INF

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A DIFFERENT VISION TO ENJOY THE MAGIC OF THE UNIVERSE

Astronomy - Cosmology - Astrophotography - Astrophysics - Space Exploration

 **M63 by Tom Masterson and Terry Hancock**

Tuesday, February 1, 2022



T.Hancock/T.Masterson
Grand Mesa Observatory

Star formation plays a fundamental role in the evolution of galaxies, however we still need to better understand about this fundamental process. Unlike their cousins, largely designed spiral galaxies, flocculent galaxies do not have well-defined spiral arms, but give the impression of having many discontinuous arms. The image by astronomers *Tom Masterson* and *Terry Hancock*, shows the flocculent galaxy *Messier 63*, popularly known as *the Sunflower Galaxy*, precisely because of the spiral structure that makes it look like a large flower with numerous petals. Although apparently around its core revolve many spiral arms, it really only has two arms, which glow with the radiation of the newly formed blue stars. By studying these types of galaxies, astronomers try to better understand the birth of stars. Numerous X-ray sources and a large number of star clusters have been discovered in this galaxy. Messier 63 was discovered by astronomer *Pierre Méchain* on June 14, 1779, *Charles Messier* confirmed it on the same day of its discovery. M63 is located at a distance of about 35 million light-years from the *Milky Way* in the south direction of the *constellation of Canes Venatici*. Hover your mouse over the image or click on touch screens to discover other objects. In this image the north is above. *Technical details*.

Original

Photo Credit: Tom Masterson / Transient Astronomer / Grand Mesa Observatory Terry Hancock / Downunder Observatory / Grand Mesa Observatory

Name	RA	DEC	Magnitude	Data
<i>Messier 63 / M 63 / Sunflower Galaxy / NGC 5055 / LEDA 46153 / MCG+07-27-054UGC</i> <i>8334 / EQ 1313+422 / B3 1313+422 / BWE 1313+4217 / TC 8226C</i> <i>131336+421732 / TC 131335.39+421742.00 / GB6 B1313+421787GB</i> <i>131334.7 +421742 / IRAS F13135+4217 / ISOSS J13158+4201 / Z 217-23JCMTSE</i> <i>J131549.3+420147 / JCMTSE J131549.3+420147 / PSCz Q13135+4217MY</i> <i>131334.3+421820.6 / MY 131334.3+420231.3 / Z 1313.5+4217</i> <i>NVSS J131548+420147 / UZC J131547.9+420201 / WN B1313.5+4217BWN</i> <i>B1313.5+4217A / WN B1313.5+4217 / SDSS J131549.26+420145.82MASX</i> <i>J13154932+4201454 / Gaia DR2 1525844581388510208</i>	<i>13:15:49.273852769</i> <i>9</i>	<i>+42° 01'</i> <i>45.726078017"</i>	<i>V = 8.59</i>	<i>Sinbad</i>