

December 2020

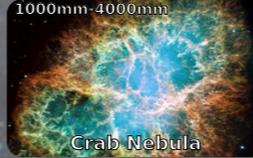


Triangulum Galaxy, Messier 33
Victor R. Ruiz

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12  Venus 0.8°S of Moon
13 Geminid Meteor Shower	14 Total Solar Eclipse	15	16	17 Jupiter 2.9°N of Moon	18	19
20	21 Great conjunction	22 Ursid Meteor Shower	23 Mars 5.6°N of Moon	24	25	26
27	28	29	30	31		

- 4 Pollux 3.8°N of Moon  
- 5 Beehive 2.4°S of Moon  
- 6 Regulus 4.8°S of Moon  
- 12 Moon at Perigee: 361777 km    
- 17 Saturn 3.1°N of Moon  
- 21 Winter Solstice
- 23 Venus 5.5°N of Antares  
- 24 Moon at Apogee: 405010 km    
- 27 Aldebaran 4.6°S of Moon  
- 31 Pollux 3.8°N of Moon  

DSOs available this month

135mm-1250mm  Triangulum Galaxy	1000mm-4000mm  Crab Nebula	135mm-750mm  Orion Nebula	50mm-420mm  Heart Nebula	85mm-600mm  Soul Nebula	1200mm-4000mm  Little Dumbbell	400mm-4000mm  Spiral Galaxy M77
85mm-750mm  Rosette Nebula	50mm-300mm  Large Magellanic Cloud	135mm-750mm  Horsehead Nebula	1200mm-4000mm  Nautilus Galaxy	500mm-4000mm  Barred Spiral Galaxy	200mm-1000mm  Spider Nebula	135mm-750mm  Flaming Star Nebula

Credits



Triangulum Galaxy M33

<https://www.flickr.com/photos/rvr/50391788676>
Víctor R. Ruiz
CC BY 2.0



Crab Nebula M1

https://commons.wikimedia.org/wiki/File:Crab_Nebula.jpg
NASA, ESA, J. Hester and A. Loll (Arizona State University)
Public domain



Great Orion Nebula M42

<https://starlighthunter.com/imagenes/nebulosa-de-orion-m42-con-calibrado-de-color-fotom/>
Oliver Gutiérrez, StarlightHunter.com
CC BY-SA-NC 4.0



Heart Nebula IC 1805

<https://commons.wikimedia.org/wiki/File:Heart-nebula.jpg>
Byronmhome
CC BY-SA 4.0



Soul Nebula IC 1848

https://commons.wikimedia.org/wiki/File:%D0%9C%D0%B0%D0%B3%D0%BB%D0%B8%D0%BD%D0%B0_%D0%94%D1%83%D1%88%D0%B0_IC1848.jpg
Радан Митровиќ
CC BY-SA 4.0



Little Dumbbell Nebula M76

https://commons.wikimedia.org/wiki/File:Little_Dumbbell_Nebula_M76_by_Goran_Nilsson,_Wim_van_Berlo_%26_Liverpool_Telescope.jpg
Göran Nilsson, Wim van Berlo and The Liverpool Telescope
CC BY-SA 4.0



Spiral Galaxy M77

https://commons.wikimedia.org/wiki/File:Messier_77_spiral_galaxy_by_HST.jpg
NASA, ESA and A. van der Hoeven
Public domain



Rosette Nebula NGC 2244

<https://www.flickr.com/photos/rvr/49470484707/>
Victor R. Ruiz
CC BY 2.0



Large Magellanic Cloud

https://commons.wikimedia.org/wiki/File:The_Large_Magellanic_Cloud_revealed_by_VISTA.jpg
ESO/VMC Survey
CC BY 4.0



Horsehead Nebula B33

[https://commons.wikimedia.org/wiki/File:Horsehead_Nebula_and_Flame_Nebula_in_Orion_\(B33,_NGC2024\).jpg](https://commons.wikimedia.org/wiki/File:Horsehead_Nebula_and_Flame_Nebula_in_Orion_(B33,_NGC2024).jpg)
Keesscherer
CC BY-SA 4.0



Nautilus Galaxy NGC 772

https://commons.wikimedia.org/wiki/File:NGC_772_A_Rival_to_the_Milky_Way.jpg
ESA/Hubble and NASA, A. Seth et al.
CC BY 4.0



Barred Spiral Galaxy NGC 925

https://commons.wikimedia.org/wiki/File:NGC925_Galaxy_from_the_Mount_Lemmon_SkyCenter_Schulman_Telescope_courtesy_Adam_Block.jpg
Mount Lemmon SkyCenter Schulman Telescope courtesy Adam Block
CC BY-SA 4.0



Spider Nebula IC 417

<https://commons.wikimedia.org/wiki/File:IC417s.jpg>
Adam Block/Mount Lemmon SkyCenter/University of Arizona
CC BY-SA 3.0 US



Flaming Star Nebula IC 405

<https://commons.wikimedia.org/wiki/File:IC405s.jpg>
Adam Block/Mount Lemmon SkyCenter/University of Arizona
CC BY-SA 3.0 US

All images in this calendar are the property of their respective owners and have been used either with their permission or respecting their use license.

The images of Mercury, Venus, Mars, Jupiter, Saturn, Neptune, Uranus and Moon have been obtained from the posters of the "Solar System and Beyond Poster Set" <https://solarsystem.nasa.gov/resources/925/solar-system-and-beyond-poster-set/>

If for any reason, you are the owner of any of the used images and would like them to be removed, please get in touch via any of the oprions offered on the StarlightHunter.com website and I will attend to your request as soon as it is received.

The events shown in the calendar are specified globally. The users are responsible to check the timing and visibility based on their location.