

# August 2022



Crescent Nebula  
Patrick Hsieh

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12 Saturn 3.9°N Moon	13 Perseid Meteor Shower
14	15 Jupiter 1.9°N Moon	16	17	18	19 Mars 2.7°S Moon	20
21	22	23	24	25 Venus 4.3°S Moon	26	27
28	29	30	31			

- 4** Mercury 0.6°N of Regulus

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- 5** Moon at Descending Node

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- 7** Moon 2.8°S of Antares

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- 10** Moon at Perigee: 359830 km

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- 14** Saturn at Opposition

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- 18** Moon at Ascending Node

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- 19** Moon 3.1°N of Pleiades

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- 22** Moon at Apogee: 405419 km

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- 23** Mercury at Aphelion

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- 27** Mercury at Greatest Elong: 27.3°E

### Suggested DSOs for this month

 50mm-500mm Elephant Trunk	 420mm-2800mm Helix Nebula	 700mm-4000mm Dumbbell Nebula	 1000mm-4000mm Snow Angel Nebula	 200mm-2000mm Trifid	 135mm-1000mm Lagoon	 135mm-1000mm Eagle Nebula
 400mm-2000mm Swan Nebula	 50mm-500mm North America Nebula	 85mm-420mm Flying Bat and Squid	 420mm-4000mm Crescent Nebula	 420mm-4000mm Fireworks Galaxy	 200mm-2000mm Iris Nebula	 750mm-4000mm Ring Nebula

# Credits



## Elephant Trunk IC 1396

<https://www.astrorbin.com/r12rcs/>

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## Helix Nebula NGC 7293

[https://commons.wikimedia.org/wiki/File:NGC7293\\_\(2004\).jpg](https://commons.wikimedia.org/wiki/File:NGC7293_(2004).jpg)

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## Dumbbell Nebula M27

[https://commons.wikimedia.org/wiki/File:M27\\_-\\_32-inch\\_Schulman\\_Telescope,\\_Mount\\_Lemmon.jpg](https://commons.wikimedia.org/wiki/File:M27_-_32-inch_Schulman_Telescope,_Mount_Lemmon.jpg)

Adam Block/Mount Lemmon SkyCenter/University of Arizona  
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## Snow Angel Nebula

[https://en.wikipedia.org/wiki/Sh2-106#/media/File:Sharpless\\_2-106.jpg](https://en.wikipedia.org/wiki/Sh2-106#/media/File:Sharpless_2-106.jpg)

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## Trifid Nebula

[https://commons.wikimedia.org/wiki/File:Close\\_up\\_of\\_the\\_Trifid\\_Nebula\\_M20.jpg](https://commons.wikimedia.org/wiki/File:Close_up_of_the_Trifid_Nebula_M20.jpg)

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## Lagoon Nebula

[https://commons.wikimedia.org/wiki/File:M8\\_Lagoon\\_Nebula\\_True\\_Colour\\_4K.jpg](https://commons.wikimedia.org/wiki/File:M8_Lagoon_Nebula_True_Colour_4K.jpg)

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## Eagle Nebula

[https://commons.wikimedia.org/wiki/File:M16\\_-\\_Eagle\\_Nebula.jpg](https://commons.wikimedia.org/wiki/File:M16_-_Eagle_Nebula.jpg)

Luka.psk  
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## Swan Nebula

[https://commons.wikimedia.org/wiki/File:The\\_star\\_formation\\_region\\_Messier\\_17.jpg](https://commons.wikimedia.org/wiki/File:The_star_formation_region_Messier_17.jpg)

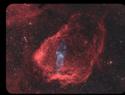
ESO  
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## North America Nebula

[https://commons.wikimedia.org/wiki/File:NGC7000\\_North\\_America\\_Nebula.jpg](https://commons.wikimedia.org/wiki/File:NGC7000_North_America_Nebula.jpg)

NASA  
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## Flying Bat and Squid

<https://www.nebulaphotos.com/sharpless/sh2-129/>

Nico Carver  
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## Crescent Nebula

[https://commons.wikimedia.org/wiki/File:NGC\\_6888,\\_the\\_Crescent\\_Nebula\\_in\\_Cygnus,\\_imaged\\_by\\_amateur\\_astronomer\\_Patrick\\_Hsieh.jpg](https://commons.wikimedia.org/wiki/File:NGC_6888,_the_Crescent_Nebula_in_Cygnus,_imaged_by_amateur_astronomer_Patrick_Hsieh.jpg)

Patrick Hsieh  
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## Fireworks Galaxy

[https://commons.wikimedia.org/wiki/File:NGC6946\\_by\\_Goran\\_Nilsson\\_%26\\_The\\_Liverpool\\_Telescope.jpg](https://commons.wikimedia.org/wiki/File:NGC6946_by_Goran_Nilsson_%26_The_Liverpool_Telescope.jpg)

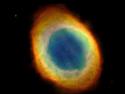
Göran Nilsson and The Liverpool Telescope  
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## Iris Nebula

[https://commons.wikimedia.org/wiki/File:Iris\\_Nebula\\_\(NGC7023\)\\_by\\_G%C3%B6ran\\_Nilsson,\\_Hole\\_Observatory.jpg](https://commons.wikimedia.org/wiki/File:Iris_Nebula_(NGC7023)_by_G%C3%B6ran_Nilsson,_Hole_Observatory.jpg)

Göran Nilsson  
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## Ring Nebula

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