



Hubble Space Telescope

The Latest Spectacular Images from the Cosmos

2021

Cover
NGC 2014 and NGC 2020

January
Galaxy UGC 2885

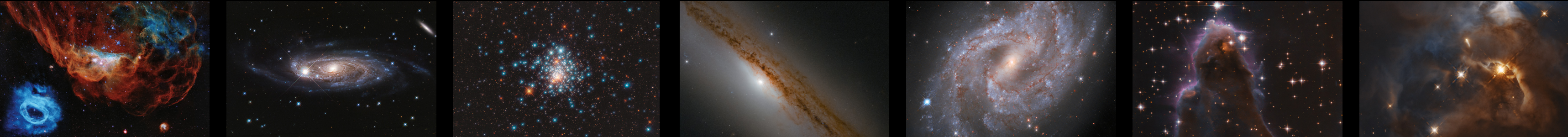
February
Globular Cluster NGC 1805

March
Spiral Galaxy NGC 1589

April
Supernova Snapshot in Galaxy NGC 2525

May
A frEGGS-pllosion of Star Formation

June
The Bat Shadow



Hubble's 30th anniversary image features the giant nebula NGC 2014 and its neighbour NGC 2020, which together form part of a vast star-forming region approximately 163 000 light-years away.

Credit: NASA, ESA, and STScI

Galaxy UGC 2885, which resides 232 million light-years away, may be the largest in the local universe. It is 2.5 times wider than our Milky Way and contains 10 times as many stars.

Credit: NASA, ESA, and B. Holwerda (University of Louisville)

The globular cluster NGC 1805 is a tight grouping of thousands of stars located near the edge of the Large Magellanic Cloud. The stars orbit closely to one another, like bees swarming around a hive.

Credit: ESA/Hubble & NASA, J. Kalirai

The spiral galaxy NGC 1589 was once the scene of a violent bout of cosmic hunger pangs; a hapless star was torn apart and devoured by the ravenous supermassive black hole at the centre of the galaxy.

Credit: ESA/Hubble & NASA

The captivating galaxy NGC 2525, residing roughly 70 million light-years from Earth, showcases a brilliant supernova. Visible as a bright blue point in the left of the image, Hubble observed the supernova for one year as of February 2018.

Credit: ESA/Hubble & NASA, A. Riess and the SH0ES team, Acknowledgement: Mahdi Zamani

This image showcases a special class of star-forming nursery known as Free-floating Evaporating Gaseous Globules, or frEGGs for short. This object is formally known as J025157.5+600606.

Credit: ESA/Hubble & NASA, R. Sahai

The young star HBC 672 is known by its nickname of Bat Shadow because of its wing-like shadow feature. The star resides in a stellar nursery called the Serpens Nebula, about 1300 light-years away.

Credit: NASA, ESA, K. Pontoppidan

July
Cygnus Supernova Blast Wave

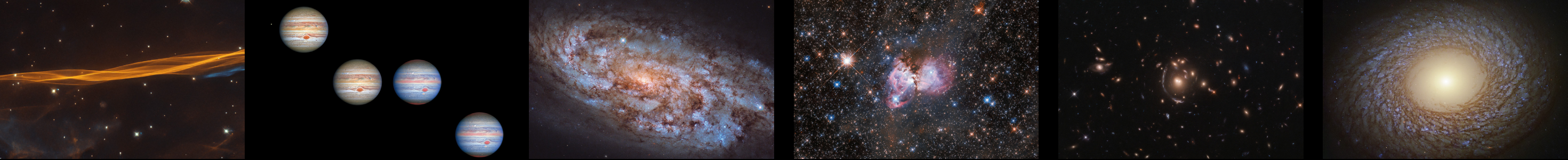
August
Crisp New Shots of Jupiter

September
The Stellar Forge: NGC 1792

October
LHA 120-N150 – A Massive Laboratory

November
LRG-3-817

December
Birds of a Feather: NGC 2775



This image features a small section of the Cygnus supernova blast wave, located around 2400 light-years away. The name of the supernova remnant comes from its position in the northern constellation of Cygnus (The Swan).

Credit: ESA/Hubble & NASA, W. Blair
Acknowledgement: Leo Shatz

These latest views of Jupiter were captured when the planet was 653 million kilometres from Earth and provided researchers with an updated weather report on the monster planet's turbulent atmosphere.

Credit: NASA, ESA, A. Simon (Goddard Space Flight Center), and M. H. Wong (University of California, Berkeley) and the OPAL team

The vast swathes of tell-tale blue seen throughout the galaxy NGC 1792 indicate areas that are full of young, hot stars, and it is in the shades of orange at the centre where the older, cooler stars reside.

Credit: ESA/Hubble & NASA, J. Lee
Acknowledgement: Leo Shatz

This image shows a region of space called LHA 120-N150. It is a substructure of the gigantic Tarantula Nebula, which is situated more than 160 000 light-years away in the Large Magellanic Cloud.

Credit: ESA/Hubble, NASA, I. Stephens

This Hubble image features the galaxy LRG-3-817, also known as SDSS J090122.37 + 181432.3. The galaxy's appearance is distorted by the effects of gravitational lensing and it is visible as a long arc to the left of the central galaxy cluster.

Credit: ESA/Hubble & NASA, S. Allam et al.

The spiral pattern shown by the galaxy NGC 2775 is striking because of its delicate, feathery nature. There is virtually no star formation in the central part of the galaxy, which is dominated by an unusually large and relatively empty galactic bulge.

Credit: ESA/Hubble & NASA, J. Lee and the PHANGS-HST Team, Acknowledgement: Judy Schmidt (Geckzilla)

Moon phases are indicated in Universal Time.

2021





January 2021

Galaxy UGC 2885

Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

1

2

3

4





Globular Cluster NGC 1805

February 2021





March 2021

Spiral Galaxy NGC 1589

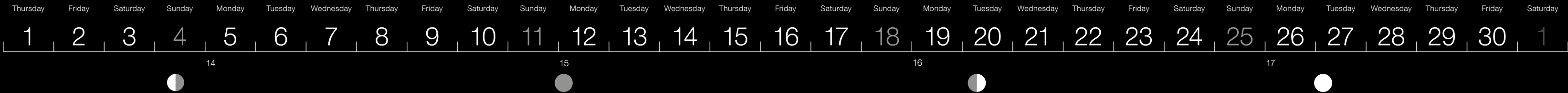
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
9							10							11						12							13			





Supernova Snapshot in Galaxy NGC 2525

April 2021





May 2021

A frEGGS-plosion of Star Formation



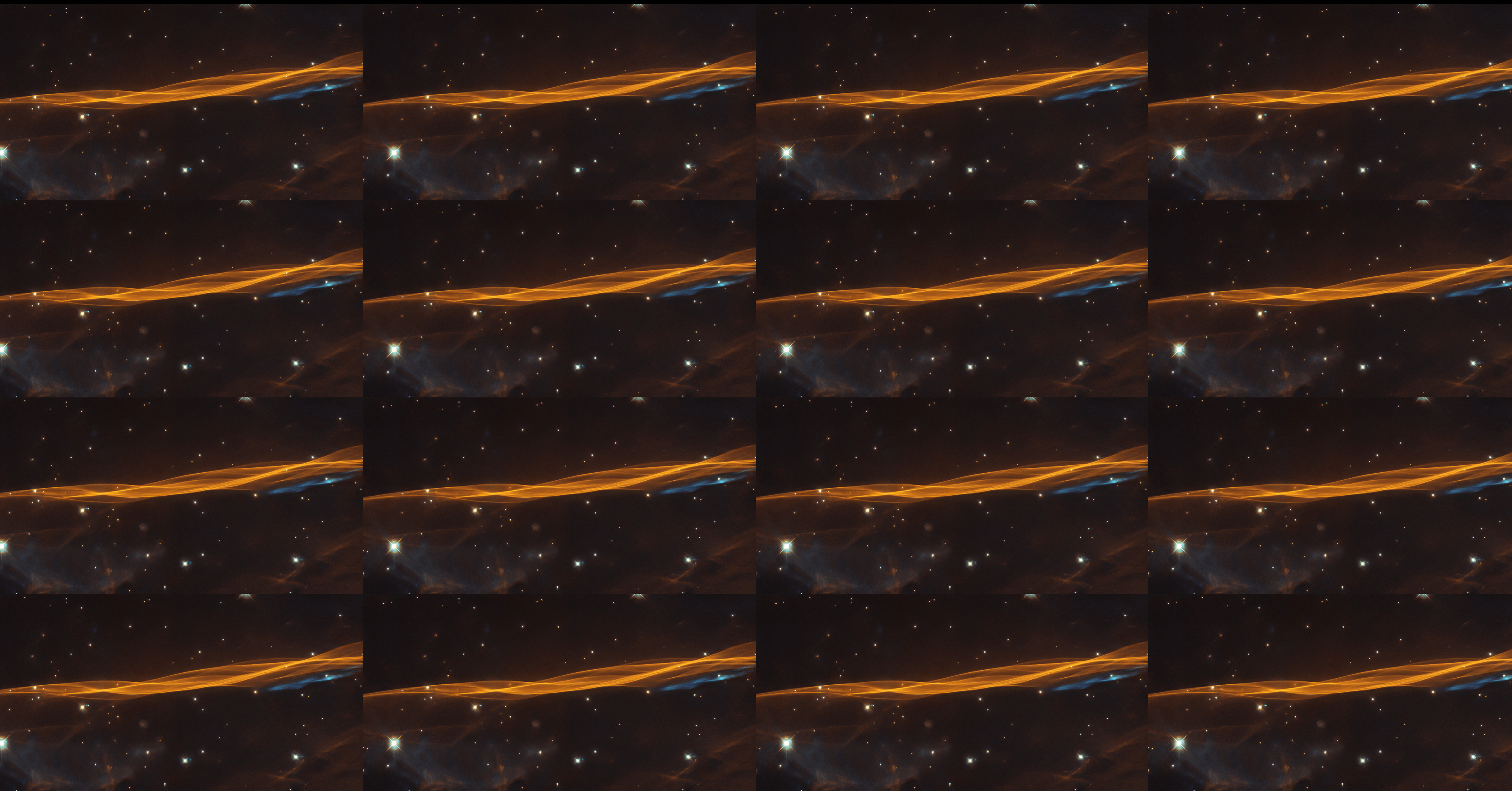


June 2021

The Bat Shadow

Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1
					23							24							25							26				





July 2021

Cygnus Supernova Blast Wave

Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

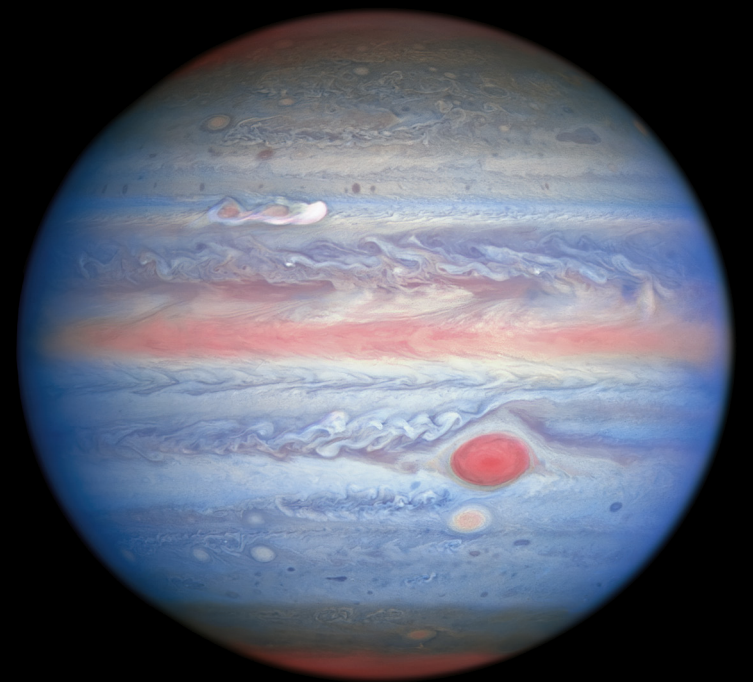
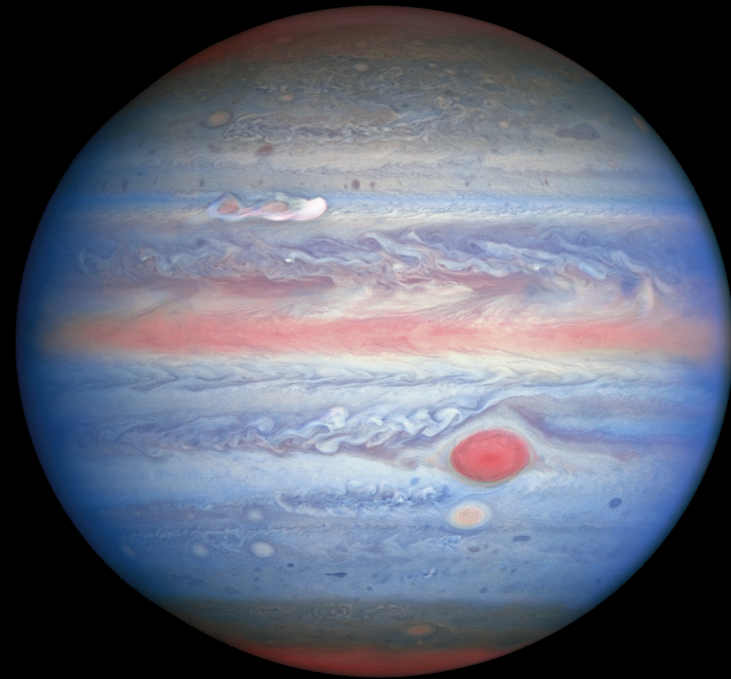
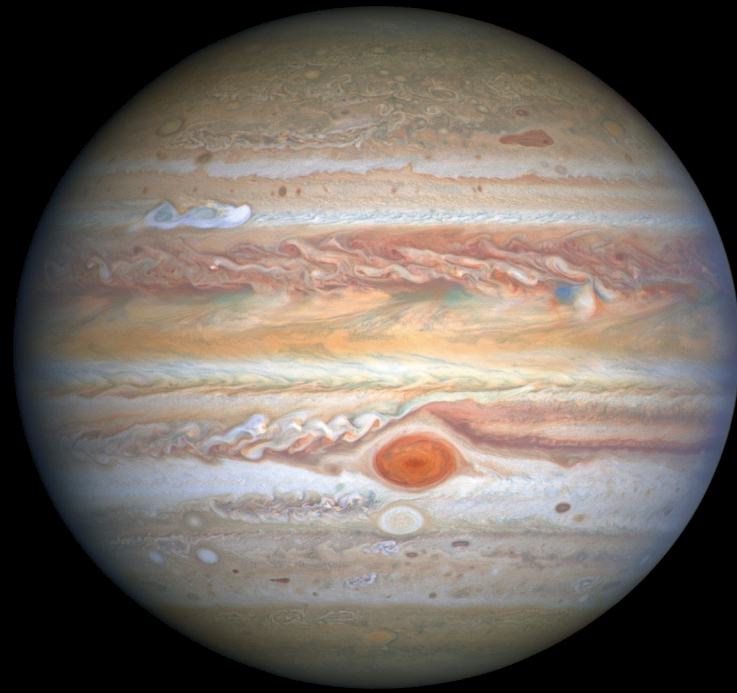
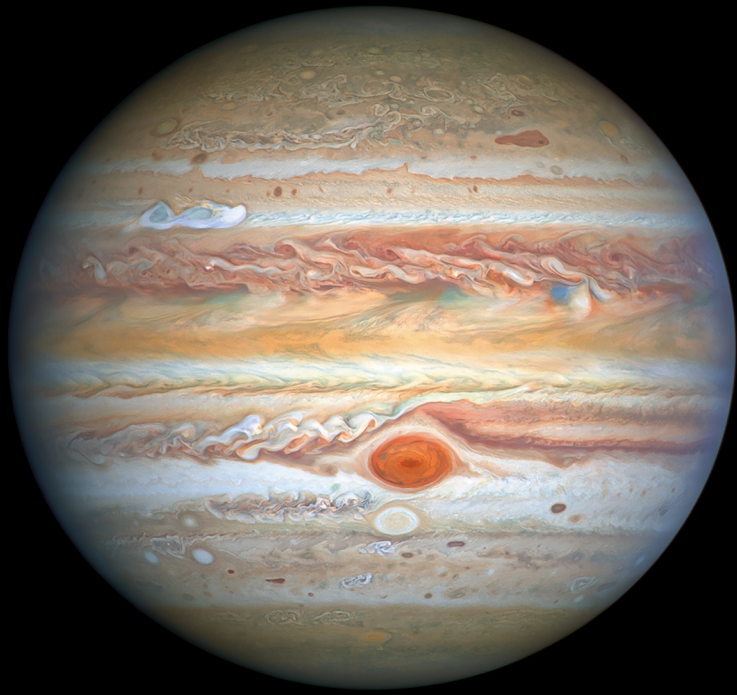
27

28

29

30





August 2021

Crisp New Shots of Jupiter





September 2021

The Stellar Forge: NGC 1792

Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1

36

37

38

39





LHA 120-N150 – A Massive Laboratory

October 2021



November 2021

LRG-3-817

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1
44						45							46							47							48			

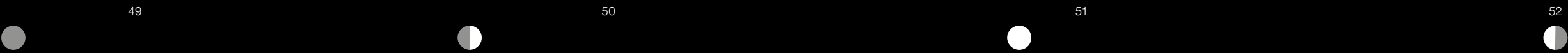




Birds of a Feather: NGC 2775

December 2021

Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31





The NASA/ESA Hubble Space Telescope

Credit: NASA/ESA





These images from the NASA/ESA Hubble Space Telescope
were selected from ESA/Hubble photo releases
and Pictures of the Week published throughout 2020.