

Hubble Space Telescope - ESA

Antonella Nota - Hubble Project Scientist

STUC – April 14, 2020

- ESA/Hubble team is hiring.
- Working on a new contract between ESA and AURA/STScI to start in January 2021.
 - To cover Hubble, JWST, future collaborative missions where ESA will partner with NASA and there will be a ESA presence at STScI.
- NASA/ESA MOU renewed to December 2024.
- ESA Mission Extension proposal submitted on March 30.
 - Requested continued ESA support to the Hubble mission through 2025.

Thank you for your support!

ESA/Hubble outreach

- We continue reaching out to and engaging the European community, disseminating information, and advertising scientific results.
 - Science releases, photo releases, Pictures of the Week.
 - Hubblecasts.
 - Science Newsletters.



Hubble 30 initiatives!

Hubble 30: the calendar!



- From 30 September to 10 November 2019, 30 special #Hubble30 images have been shared on ESA/Hubble's Facebook and Instagram accounts.
- The 12 images that have received the most likes counted from both platforms have been compiled to produce a special 30th Anniversary Calendar for 2020.
- Recorded a total of ~250.000 “like”, “love”.
- Calendar has been seen/downloaded 40.000 times.

Hubble 30: the calendar social media competition

 Hubble Space Telescope



Hubble Space Telescope

@hubbleESA

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Create a Page

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**Hubble Space Telescope**
November 8 at 7:00 AM · 🌐

#Hubble30 Vote your favourite image for a Hubble Space Telescope anniversary calendar! Check what you have to do at the end of this post

👉 #Hubble30 Image Number 30 🙌

Scattered stars in Sagittarius

This colourful and star-studded view of the Milky Way galaxy was captured when Hubble pointed its cameras towards the constellation of Sagittarius (The Archer). Blue stars can be seen scattered across the frame, set against a distant backdrop of red-hued cosmic companions. The colour of a star can reveal many of its secrets. Shades of red indicate a star much cooler than the Sun, so either at the end of its life, or much less massive. These lower-mass stars are called red dwarfs and are thought to be the most common type of star within the Milky Way. Similarly, brilliant blue hues indicate hot, young, or massive stars, many times the mass of the Sun.


Image credit: ESA - European Space Agency / Hubble Space Telescope & NASA - National Aeronautics and Space Administration

👉 To celebrate three decades of success in science, engineering and culture, we at ESA/Hubble are sharing 30 hidden gems on Facebook and Instagram. The 12 images that receive the most likes will be used to produce a special Hubble 30th Anniversary Calendar for 2020.


What do you have to do?

- ★ Like & Follow our page
- ★ Hit 🙌 or ❤️ on your favourite image(s) from the #Hubble30 series we are posting here
- ★ Leave us a comment on your favourite image(s) so we can easily contact you if you are the winner of one of the calendars.

More info on the competition can be found here: socsi.in/mjckS
More info on the image: socsi.in/AqILV





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Liked Following Share

View previous com

**Matthew S**
Like · Reply

**Eric Trow**



#Hubble30

29

Liked Following Share

Eric Trowbridge and 5K others

149 Comments 470 Shares

Hubble Space Telescope Hidden Gems

2020

30 years of the NASA/ESA Hubble Space Telescope



Hubble 30: Anniversary image synchronized unveiling



To celebrate Hubble's 30 splendid years in orbit, ESA/Hubble will deliver high-quality large-format prints of Hubble's anniversary image for display at informal education venues across Europe.

Repurposed to be a Celebration of Hubble

Hubble 30: Celebration of Hubble in Europe



- ~30 Institutions in Europe will hold a “Celebration of Hubble” event sometimes this summer.
- The event must be free and open to the public.
- We will provide ancillary materials and possibly coordinate speakers.
- They will engage with social media by tweeting or uploading pictures of their event on Facebook.
- They will identify a long-term plan for displaying the Hubble anniversary image.





Hubble 30 Anniversary: THE Stockholm conference



Science with the Hubble and James Webb Space Telescopes VI
Entering a golden age for UV – Optical - IR space astronomy

Postponed to September 2020 (maybe!)



Hubble 30 Anniversary: THE conference



- *Science with the Hubble and James Webb Space Telescopes — Entering a golden age for UV - Optical - IR astronomy*, sponsored by ESA in collaboration with the University of Stockholm.
- **It will be still be held in Stockholm, at the Hotel Hasselbacken.**
<https://hasselbacken.com/en/>
- New dates (maybe): September 14-17, 2020.

Hubble 30 Anniversary: THE conference



Science Organizing Committee:

Antonella Nota, Co-Chair (ESA/STScI)
Pierre Ferruit, Co-Chair (ESA)
Alessandra Aloisi (STScI)
Stephane Charlot (IAP)
Daniela Calzetti (University of Massachusetts)
Roger Davies (University of Oxford)
Rene Doyon (University of Montreal)
Matthew Hayes (Stockholm University)
Marcia J. Rieke (Steward Observatory)
Giovanna Tinetti (University College London)
Monica Tosi (INAF Bologna)
Jennifer J. Wiseman (NASA/GSFC)
Gillian Wright (UK AT Centre)

Local Organising Committee

Angela Adamo, Co-Chair (Stockholm Univ.)
Göran Östlin, Co-Chair (Stockholm Univ.)
Anna Björk (Stockholm University)
Arjan Bik (Stockholm University)
Lorenza Della Bruna (Stockholm Univ.)
Elena Puga (ESA)
Axel Runnholm (Stockholm University)
Alexandra Le Reste (Stockholm University)
Marco Sirianni (ESA)
Mattia Sirressi (Stockholm University)
Paule Sonnentrucker (ESA/STScI)

OTHER HUBBLE 30 INITIATIVES

Social Media: Count down to 30 anniversary image release



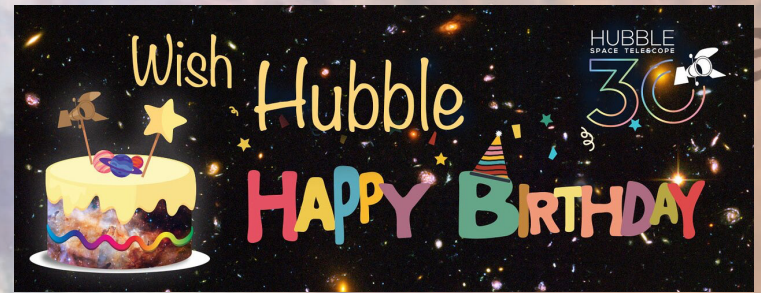
HUBBLE

ANNIVERSARY IMAGE

WHAT WILL IT BE?



Wish Hubble a Happy Birthday!



- We invite ESA/Hubble's social media followers to wish Hubble a Happy 30th birthday by preparing a birthday cake.
- The cake can be made out of traditional kitchen ingredients, or we also invite Hubble fans to get creative by making a unique birthday cake made from other materials, such as paper, crafts, modelling clay, or Lego blocks!
- People are invited to share the cake by taking a picture or video with the message *"Happy Birthday Hubble from <your country or city>!"* (in English or their native language) and sharing it on social media

#Hubble30BDayCake
#Hubble30

Social Media: on April 24



- **The Hubble 30th Anniversary press release** will be published at 13:00 Europe time. This includes 2 new special Hubblecasts.
- **Facebook watch party** on ESA/Hubble Facebook page (@hubbleESA) at 15:00 that will include the two Anniversary Hubblecasts (one focusing on Hubble science, and the other on anniversary images through the years), other general Hubble history videos, and other pre-recorded talks from our host Hubble30 institutions. The total duration will be kept to roughly 120 minutes with live Q/A (A. Nota, L. Smith and P. Sonnenentrucker answering Hubble questions).

Tune in - April 24!