



- Full complement of ESA/Hubble (13) people at STScl/ESA
 - Kevin Stevenson left at the end of September
 - Travis Fischer will join in January 2020
- Working on a new contract between ESA and AURA/STScI to start in January
 2021
 - To cover Hubble, JWST, future collaborative missions
- NASA/ESA MOU being renewed

ESA UNCLASSIFIED For Official Use

ESA | 09/09/2016 | Slide

uropean Space A



Released September 19

The Hubble Catalog of Variables (HCV)*

A. Z. Bonanos¹, M. Yang¹, K. V. Sokolovsky^{1,2,3}, P. Gavras^{4,1}, D. Hatzidimitriou^{1,5}, I. Bellas-Velidis¹, G. Kakaletris⁶, D. J. Lennon^{7,8}, A. Nota⁹, R. L. White⁹, B. C. Whitmore⁹,

K. A. Anastasiou⁵, M. Arévalo⁴, C. Arviset⁸, D. Baines¹⁰, T. Budavari¹¹, V. Charmandaris¹², ¹³, ¹, C. Chatzichristodoulou⁵, E. Dimas⁵, J. Durán⁴, I. Georgantopoulos¹, A. Karampelas¹⁴, ¹, N. Laskaris¹⁵, ⁶, S. Lianou¹, A. Livanis⁵, S. Lubow⁹, G. Manouras⁵, M. I. Moretti ¹⁶, ¹, E. Paraskeva¹, ⁵, E. Pouliasis¹, ⁵, A. Rest⁹, ¹¹, J. Salgado¹⁰, P. Sonnentrucker⁹, Z. T. Spetsieri ¹⁵, P. Taylor⁹, and K. Tsinganos⁵, ¹

- 1 IAASARS, National Observatory of Athens, Penteli 15236, Greece
- e-mail: bonanos@astro.noa.gr
- Department of Physics and Astronomy, Michigan State University, East Lansing, MI 48824, USA
- ³ Sternberg Astronomical Institute, Moscow State University, Universitetskii pr. 13, 119992 Moscow, Russia
- 4 RHEA Group for ESA-ESAC, Villanueva de la Cañada, 28692 Madrid, Spain
- Department of Physics, National and Kapodistrian University of Athens, Panepistimiopolis, Zografos 15784, Greece
- Athena Research and Innovation Center, Marousi 15125, Greece
- Instituto de Astrofísica de Canarias, E-38205 La Laguna, Tenerife, Spain
- 8 ESA, European Space Astronomy Centre, Villanueva de la Canada, 28692 Madrid, Spain
- Space Telescope Science Institute, Baltimore, MD 21218, USA
- Quasar Science Resources for ESA-ESAC, Villanueva de la Cañada, 28692 Madrid, Spain
- The Johns Hopkins University, Baltimore, MD 21218, USA
- ¹² Institute of Astrophysics, FORTH, Heraklion 71110, Greece
- Department of Physics, Univ. of Crete, Heraklion 70013, Greece
 American Community Schools of Athens, Halandri 15234, Greece
- 15 Greek Research and Technology Network GRNET, Athens 11523, Greece
- ¹⁶ INAF-Osservatorio Astronomico di Capodimonte, Napoli 80131, Italy

Received June 5, 2019; accepted August 5, 2019

The Hubble Catalog of Variables is the first full, homogeneous catalogue of variable sources based on archival HST data. The HCV was developed over four years by a team of astronomers at the National Observatory of Athens, sponsored by ESA in collaboration with STScl.

http://hst.esac.esa.int/hcv-explorer/

ESA | 09/09/2016 | Slide

ESA/Hubble outreach

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

Recently started: Hubble 30 initiatives!

ESA UNCLASSIFIED For Official Use

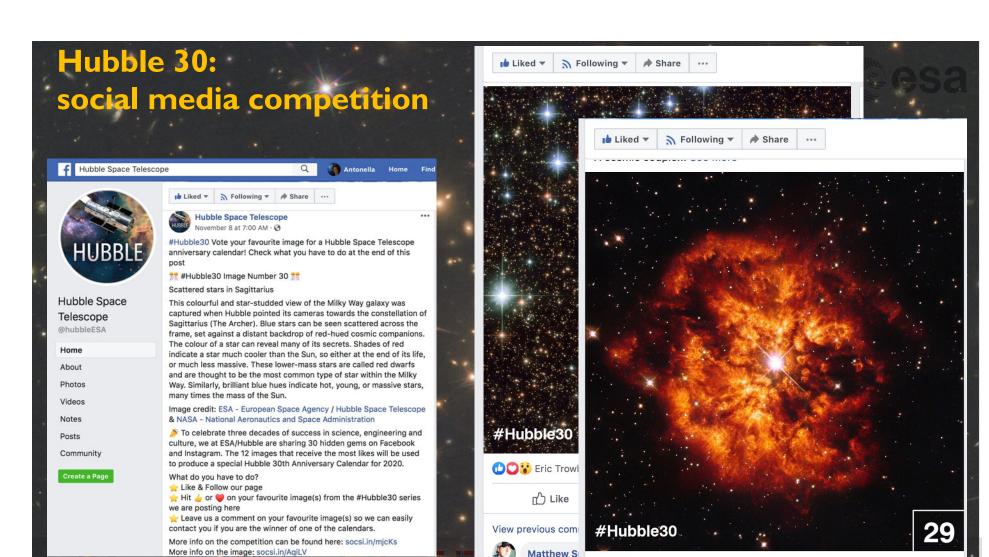
ESA | 09/09/2016 | Slide



- 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 receive the most likes counted from both platforms will be compiled to produce a special 30th Anniversary Calendar for 2020.
- We will select 12 winners to receive one copy of the calendar.



ESA UNCLASSIFIED For Official Use



Like · Reply

🗘 🔾 🔐 Eric Trowbridge and 5K others

149 Comments 470 Shares



To celebrate Hubble's 30 incredible 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 (and in the US, coordinated by STScI/OPO).

Applications being received now.



ESA UNCLASSIFIED For Official Use



- Institutions will hold an image unveiling event on or after the date provided.
- They will ensure a strong media presence at the event and encourage press coverage, including social media coverage.
- The event must be free and open to the public.
- Engage with social media by tweeting or uploading pictures of thier event on Facebook.
- Identify a long-term plan for displaying the Hubble anniversary image
- Honour the ESA/NASA press embargo.



ESA UNCLASSIFIED - For Official Use



- 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 held in Stockholm, at the Hotel Hasselbacken https://hasselbacken.com/en/
- Date: March 30 April 3, 2020.
- Includes JWST MasterClass Workshop

ESA UNCLASSIFIED For Official Use

ESA | 09/09/2016 | Slide

uropean 5 ace

Science Organizing Committee:

Antonella Nota, Co-Chair (ESA/STScl)

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)

Confirmed Invited Speakers

Angela Adamo (Stockholm Univ.)

Danielle Berg (Ohio State University)

Beth Biller (ROE)

Gabe Brammer (DAWN)

Kevin France (University of Colorado)

Nitya Kallivayalil (University Virginia)

John Mather (NASA GSFC)

Adam Riess (JHU/STScI)

Jane Rigby (NASA GSFC)

Julia Roman-Duval (STScI)

Dan Stark (University of Arizona)

Angelos Tsiaras (UCL)

ESA | 09/09/2016 | Stide



http://www.stsci.edu/contents/events/stsci/2020/march/science-with-the-hubble-and-james-webb-space-telescopes-vi

ABSTRACT SUBMISSION - November 15!

ESA UNCLASSIFIED For Official Use

ESA | 09/09/2016 | Stide 1

uropean Space Agency

