



ESA Hubble update

Space Telescope Users Committee

May 19, 2022

Chris Evans

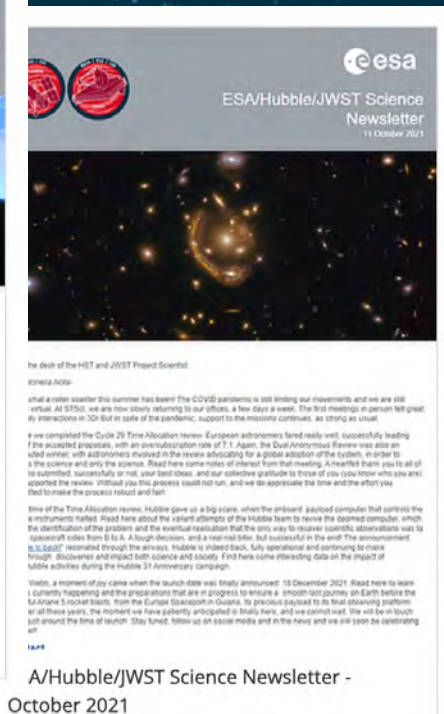
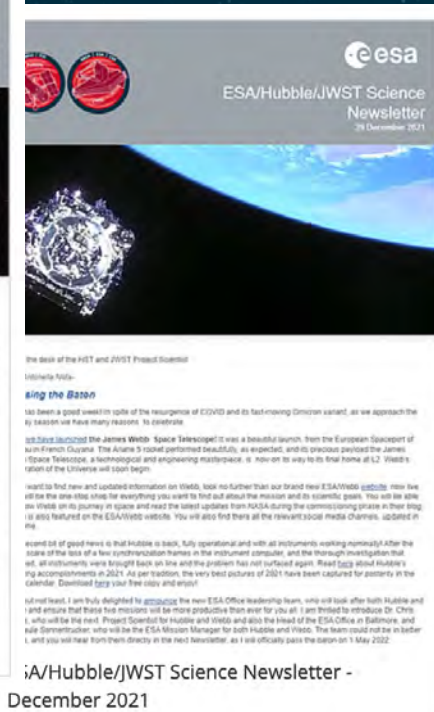
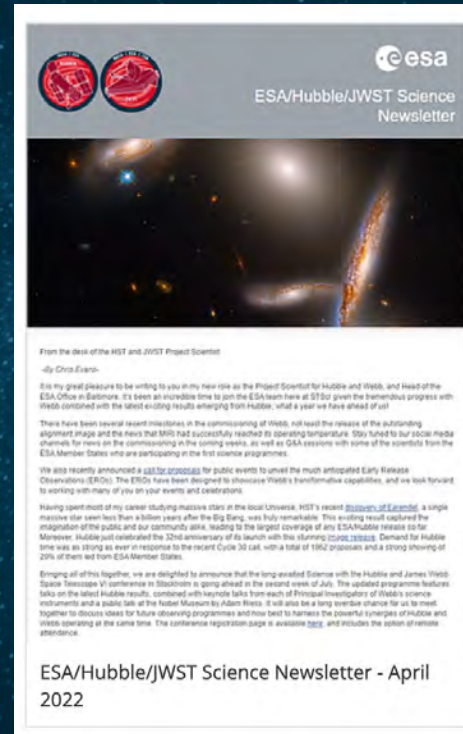
ESA HST Project Scientist

Head of ESA Office @STScI

- New leadership team for both HST and JWST (Evans, Sonnentrucker)
- Proposal for ESA mission extension to 2025 (indicative 2028) under review, following successful operations review in late 2021
- We're hiring a new Science Operations Scientist in support of HST (deadline May 30)

Cycle 30 stats:
1062 proposals, 20% of which led by PIs in ESA member states

Science newsletters:



Science with the Hubble and James Webb Space Telescopes VI

Entering a golden age for UV – Optical - IR space astronomy



11-15th July

Registration open. Speakers expected to attend in person,
but remote participation encouraged, at a reduced fee

<https://na.eventscloud.com/ereg/index.php?eventid=492457>

PUBLIC ENGAGEMENT



<https://esahubble.org>

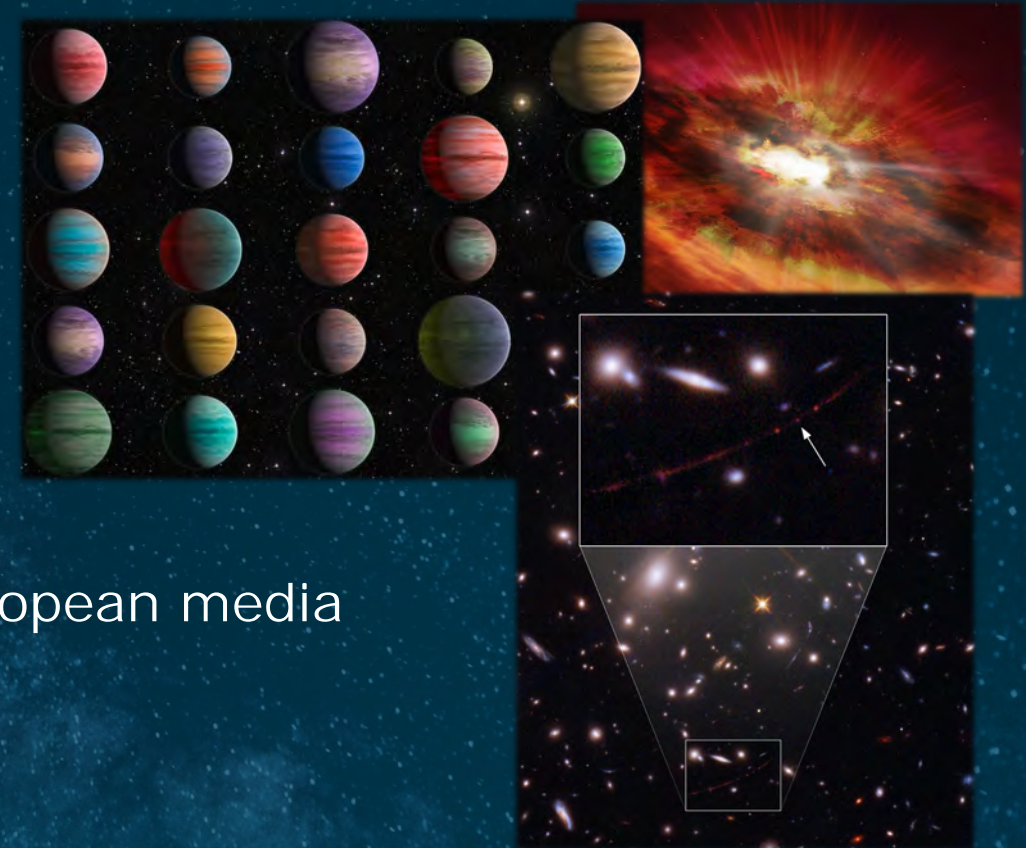


<https://esawebb.org>

New pages coming soon

Press Releases:

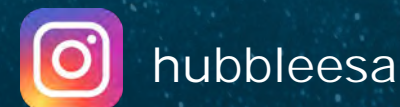
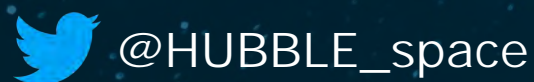
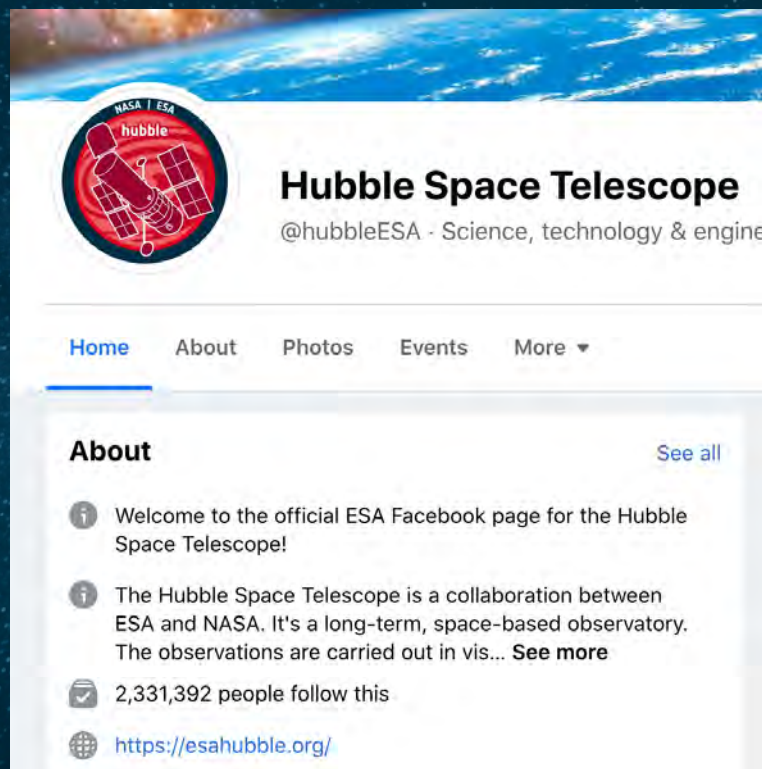
- Closely coordinate with STScI/OPO
- Produce ~20 science and photo releases/yr
- ‘Earendel’ release largest coverage of any ESA/Hubble release to date
 - over 4600 online articles, 38% by European media
 - 73% also mentioned JWST




Spacesparks:

- Short videos (1-6 min) with educational content that showcases Hubble imagery & animations. Total views now >100,000
- <https://esahubble.org/videos/archive/category/spacesparks/>

We use social media to build an engaged and educated community






We use social media to build an engaged and educated community



ESA/Hubble Space Telescope

@esahubble

All the ESA/Hubble Space Telescope GIFs



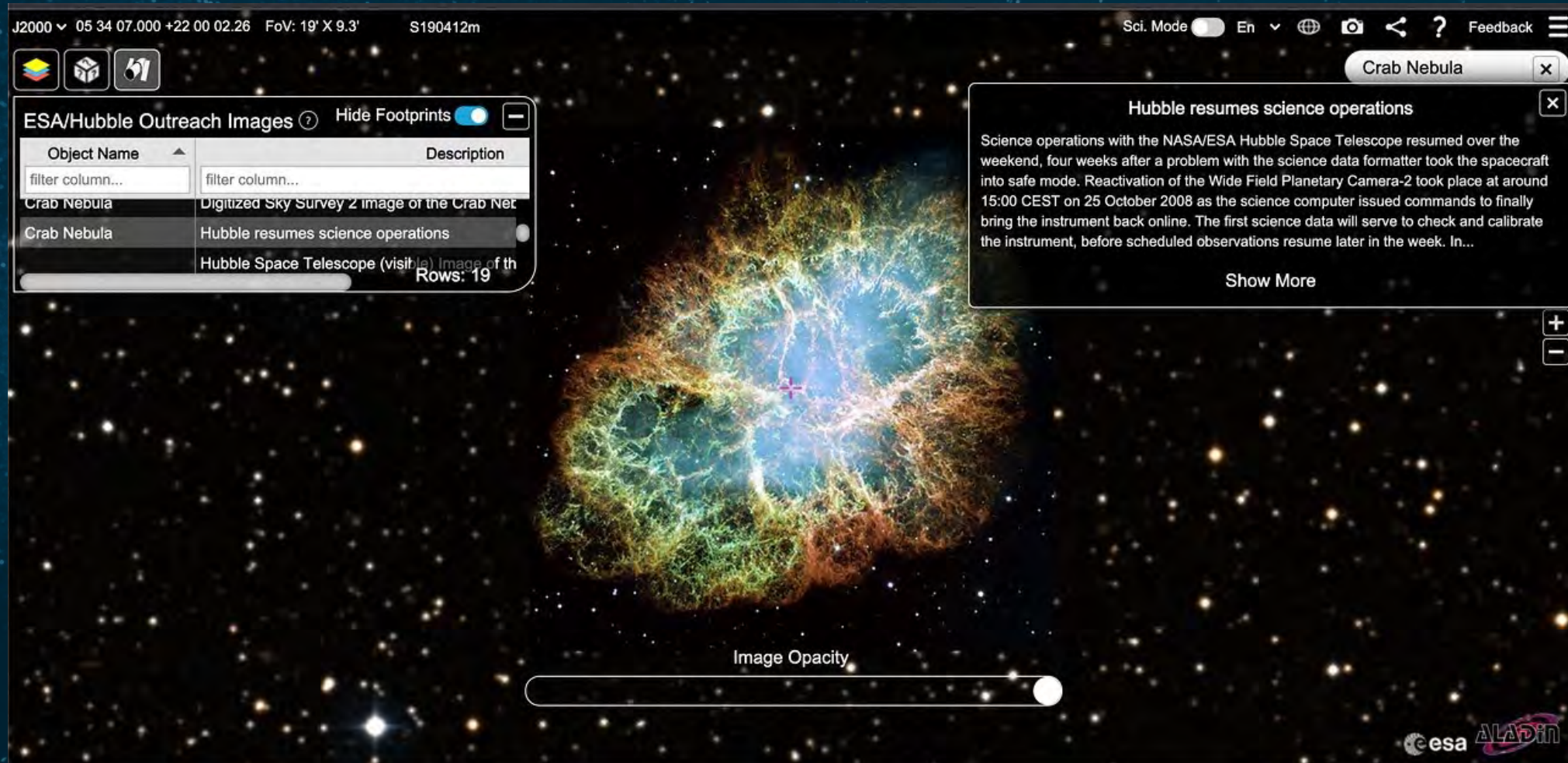
388
GIF Uploads

10.7M
GIF Views



@esahubble

Hubble outreach images now in ESASky



The screenshot shows the ESASky web interface. At the top, it displays coordinates (J2000 05 34 07.000 +22 00 02.26), field of view (FoV: 19' X 9.3'), and a scale bar (S190412m). On the left, there's a sidebar with icons for layers, 3D view, and a list of 'ESA/Hubble Outreach Images'. The list has two columns: 'Object Name' and 'Description'. The first two rows are 'Crab Nebula' with descriptions 'Digitized Sky Survey 2 image of the Crab Net' and 'Hubble resumes science operations'. Below the list is a 'Rows: 19' indicator. The main area shows a large, colorful image of the Crab Nebula. On the right, there's a pop-up window titled 'Crab Nebula' with a sub-header 'Hubble resumes science operations' and a text block about the telescope's return to science operations. At the bottom of the main area, there's an 'Image Opacity' slider. The bottom right corner features the ESA and ALADIN logos.

| Object Name | Description |
|--|--|
| Crab Nebula | Digitized Sky Survey 2 image of the Crab Net |
| Crab Nebula | Hubble resumes science operations |
| Hubble Space Telescope (visible) Image of th | |

Rows: 19

Hubble resumes science operations

Science operations with the NASA/ESA Hubble Space Telescope resumed over the weekend, four weeks after a problem with the science data formatter took the spacecraft into safe mode. Reactivation of the Wide Field Planetary Camera-2 took place at around 15:00 CEST on 25 October 2008 as the science computer issued commands to finally bring the instrument back online. The first science data will serve to check and calibrate the instrument, before scheduled observations resume later in the week. In...

Show More

Image Opacity

IMPACT: Increase in number of ESASky users (100x/day) and browsing time

