

Enhancing the visibility and the usage of the ESA Science Archives

Deborah Baines

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Astronomy Archives User Group Meeting, 12th June 2018

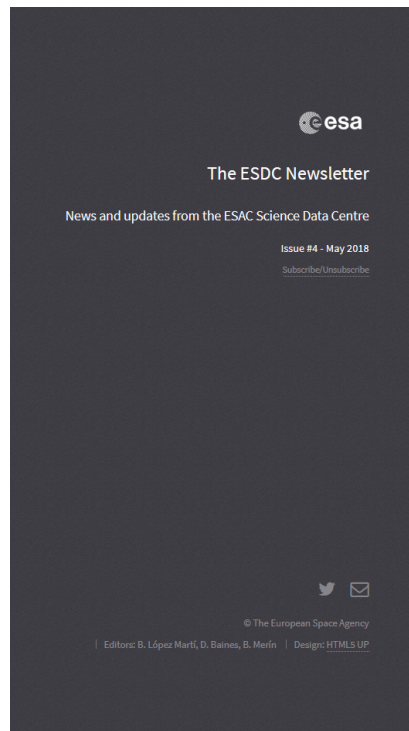
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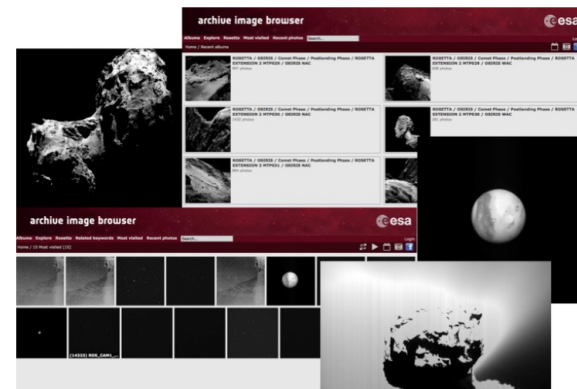
What we're currently doing:

- ESDC Newsletter going out monthly to 13,000+ email addresses.



The Archive Image Browser, planetary science data for everyone to enjoy

This is one of the most popular ESDC services, providing images of Solar System objects from ESA planetary missions to all types of users



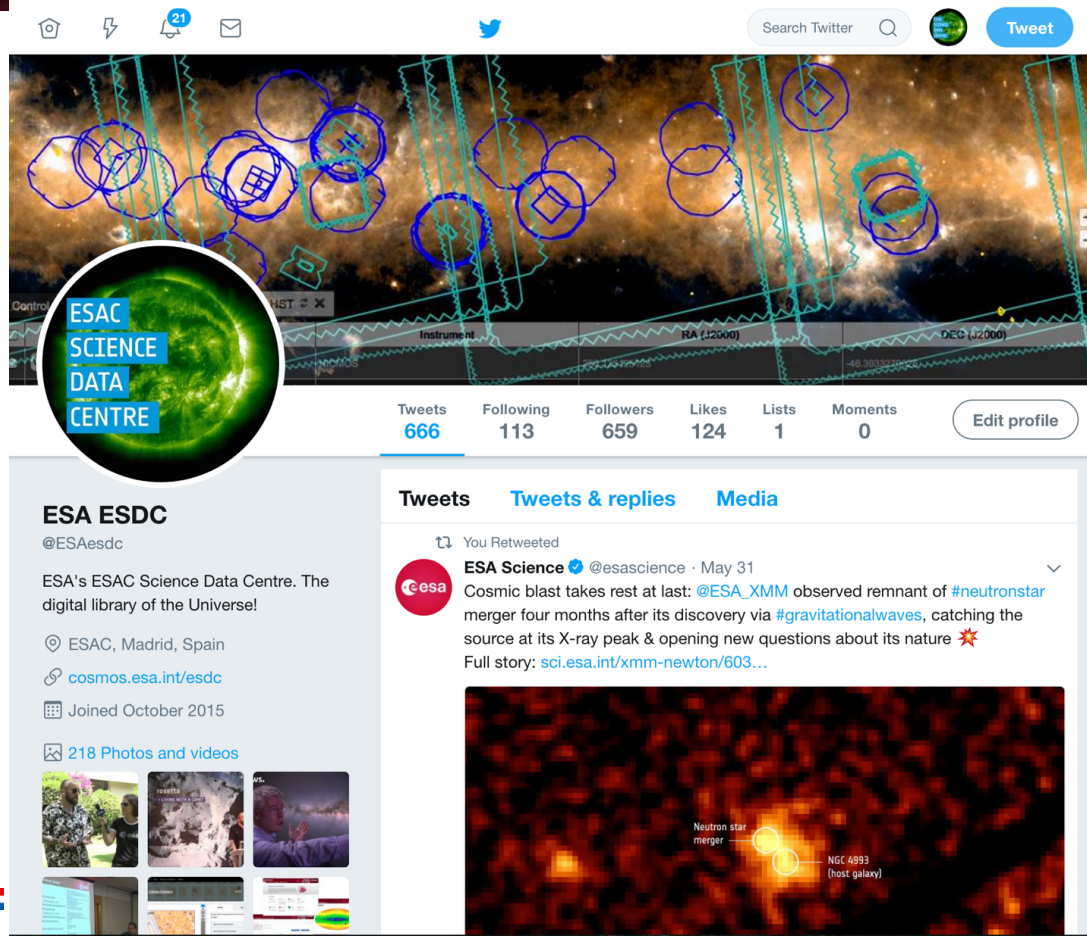
Missions exploring the Solar System provide a wealth of images that are interesting not only for scientists, but also for the general public. However, the use of the [Planetary Science Archive](#) requires some knowledge of the missions and their data that is beyond reach of most non-science users. For this reason, the ESDC has

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- Demos of archives and ESASky at ESA booths in EWASS (& ADASS). Also hand out archives brochure, cards and stickers.



Deborah Baines | Astronomy Archives User Group Meeting | 12/06/2018 | Slide 4



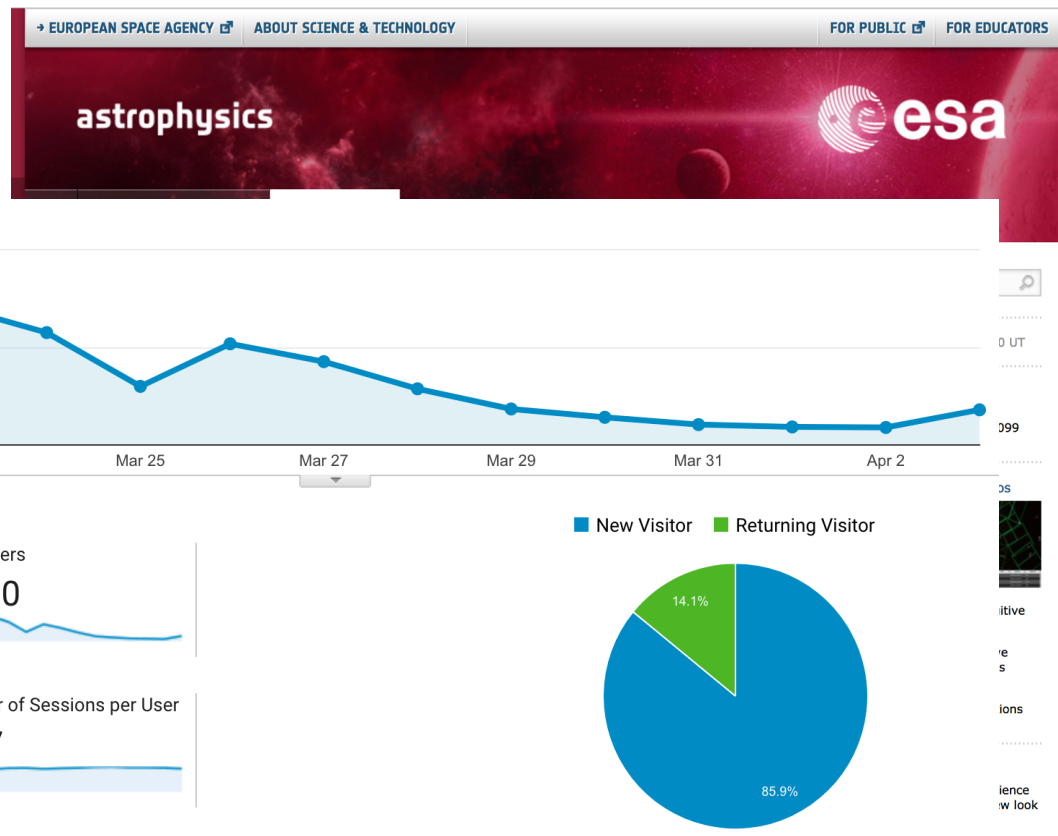
European Space Agency

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- ESA SciTech article in March on ESASky.



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- ESA SciTech article in March on ESASky.
- Now in discussion with ESA communications to link to data in the archives and ESASky from Space Science Image of the week.

The screenshot shows the ESA Space in Images website. The header includes navigation links: EUROPEAN SPACE AGENCY, ABOUT US, OUR ACTIVITIES, CAREERS AT ESA, FOR MEDIA, FOR EDUCATORS, and FOR KIDS. The main banner features the text 'space in images' and the ESA logo. Below the banner, there's a section for 'FREE SEARCH (22344 IMAGES)' with a search bar and a 'Go' button. Another section, 'SET: SPACE SCIENCE IMAGE OF THE WEEK (288 IMAGES)', includes a 'Sort By (Latest Release)' dropdown and a 'View by page' link. The main content area displays a grid of image thumbnails with their respective dates, titles, and vote counts. For example, the top-left image is dated '04 June 2018' and titled 'Testing the NIRSpec instrumen...', with 1036 views and 29 votes. The right sidebar features a 'TRENDING NOW' section with a featured image and a 'USING OUR IMAGES' section with links for 'Terms and conditions', 'Contact us', and 'Commenting guidelines'.

| Date | Title | Views | Votes |
|---------------|----------------------------------|-------|-------|
| 04 June 2018 | Testing the NIRSpec instrumen... | 1036 | 29 |
| 28 May 2018 | BepiColombo unpacked at... | 2563 | 71 |
| 21 May 2018 | Hidden secrets of a massi... | 5595 | 122 |
| 14 May 2018 | Our galaxy's heart | 8459 | 177 |
| 07 May 2018 | | | |
| 30 April 2018 | | | |
| 23 April 2018 | | | |
| 16 April 2018 | | | |



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The screenshot shows the Hubble Science Archive interface. At the top, there are navigation links for 'EUROPEAN SPACE AGENCY', 'SCIENCE & TECHNOLOGY', and 'ESAC SCIENCE DATA CENTRE'. The main header reads 'hubble science archive' with the ESA logo. Below the header, there's a search bar and a list of results. The results are categorized into 'hst observations (207)' and 'proposals (33)'. A table lists observation IDs, including 'u50v5902m', 'j8q410010', 'j8q410020', 'j8q410030', 'j8q410040', and 'j9fx01010'. A 'POSTCARD PREVIEW for j8q410010_PREV' is shown, displaying a black and white image of a spiral galaxy. To the right of the preview, a table lists observation details:

| Observation Date | Exposure Time | Release Date |
|------------------|---------------|------------------|
| 04-19 18:16:14 | 1200.000 | 2002-04-20 03:12 |
| 08-08 19:40:10 | 4400.000 | 2004-08-09 05:19 |
| 08-08 21:12:23 | 4800.000 | 2004-08-09 05:21 |
| 08-08 22:47:32 | 4800.000 | 2004-08-09 05:22 |
| 08-09 00:23:33 | 4800.000 | 2004-08-09 05:24 |
| 09-06 16:41:38 | 4600.000 | 2006-09-07 05:04 |

At the bottom, it says 'Displaying 51-100 of 207'.

➤ Sharing options, URLs with EHST and ESASky:

- <http://archives.esac.esa.int/ehst/#targetname=M1>
- [@ESA_es already using this](http://sky.esa.int/?action=goto&target=m99&hips=SDSS9%20color&fov=0.231&cooframe=J2000)

Things we could do?

- More social media accounts, Facebook, Instagram?
- More SciTech articles?
- Archive research conference proposals (discussed by Guido)?
- Questionnaire to community?
- Workshops / hands-on how to use the archives and ESASky, with use cases spanning more than one archive?
- Google hangout style helpdesk?
- More?



IVOA @IVOAastro · 23h

Workshop on using Python to search the NASA archives today at 10:30am at [#aas232](#). Didn't register? You can still get the Jupyter notebooks:



NASA-NAVO/aas_workshop_2018_summer

Workshop resources for summer AAS meeting 2018. Contribute to aas_workshop_2018_summer development by creating an account on GitHub.

[github.com](#)