



ESA/Hubble outreach

Oli Usher
ESA/Hubble, European Southern Observatory
ousher@eso.org





Overview

- Press
- Online
- Image processing
- Social media
- Hubblecast



Institutional setup

- Under contract to ESO since end of ST-ECF
- Integrated with ESO public outreach
 - Share staff and facilities
 - > Eliminates single-point failures
 - Continuity with how things were before
 - For most purposes, just one telescope in the portfolio
- Budget: €162k in 2011
 - Contracts, staff, service expenses, etc
- Extensive collaboration with STScI and ESA
- To the outside world, a continuation of ESA/Hubble as existed since 1999







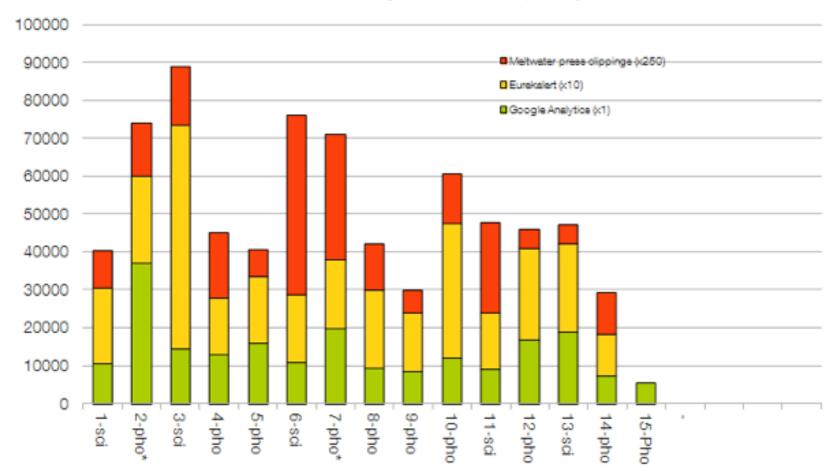
- Science releases
 - > Based on peer-reviewed science
 - > European authors
- Photo releases
 - Highlight observations rather than science, so not restricted by nationality of PI
- Organisational releases
 - ➤ Institutional stories, e.g. closure of ST-ECF
- Announcements
 - > Catch-all category for less important news items



- Published online
- Promoted through social media
- Targeted at journalists via email
- Embargo list for trusted reporters
- Target officially 16 per year (but we aim higher)
- Purpose is to encourage coverage, not act as gatekeepers









- Sources of press release stories:
 - Scouting on astro-ph
 - Direct contact by Pls
 - > Contact from other institutions (in particular STScI)
- How we decide what to cover:
 - > Assessment of news value
 - > Assessment of scientific content



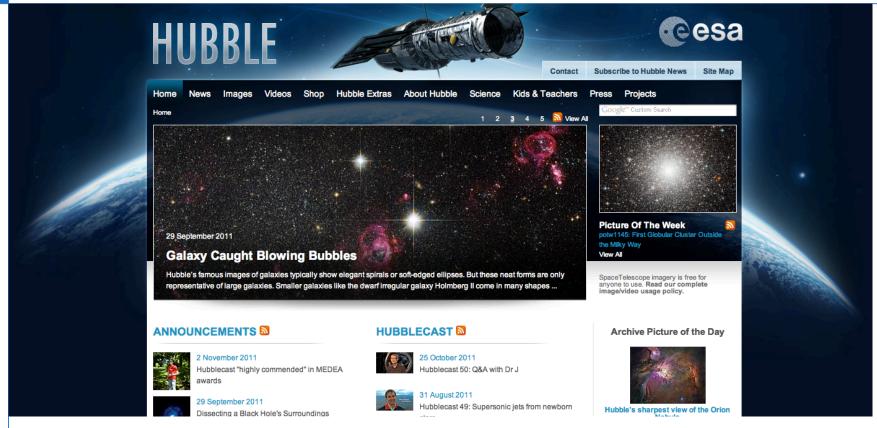
- Focus on high quality
 - ➤ All releases are scientifically vetted
 - > All science releases are based on peer-reviewed articles
 - > All releases have new images
 - > Almost all releases have HD video



Approvals:

- > Review by Newsteam
- > PI
- > Head of department (Lars Lindberg Christensen)
- ESA Mission Manager (Antonella Nota)
- Press Release Committee
- Various people also kept in the loop:
 - Bob Fosbury
 - ESA
 - Karen O'Flaherty
 - Markus Bauer
 - Salim Ansari
- Announcements have a streamlined procedure





spacetelescope.org





- All content published online "if it's not online, it doesn't exist"
- Updated at least weekly, usually more often
- Web exclusive content, including background information, fact sheets, and the Picture of the Week series
- Average 225k visitors/month in 2011
- +38% over 2010



- Archival material remains highly relevant: most content remains valuable long after first publication
- Archive consists of:
 - ➤ More than 3000 images
 - > 800 videos including 50 Hubblecasts
 - > 200 news releases
 - > 100 Pictures of the Week
 - Background information and fact sheets



	Page None 🌣		Pageviews ↓	Unique Pageviews	Avg. Time on Page	Bounce Rate	% Exit	\$ Index
1	1.		45,892	40,892	00:02:56	74.15%	70.67%	\$0.00
2	2. ② /		34,133	25,681	00:01:38	47.61%	42.71%	\$0.00
:	3.	ARCHIVE	30,311	14,927	00:01:12	53.45%	33.11%	\$0.00
4	4.	ARCHIVE	24,326	12,998	00:00:37	46.47%	17.13%	\$0.00
	5. 🗗 /videos/	ARCHIVE	11,464	6,568	00:00:38	43.83%	15.54%	\$0.00
6	6.		8,768	6,687	00:00:43	49.33%	19.81%	\$0.00
7	7. Static/archives/images/screen/heic1116a.jpg		5,527	5,086	00:01:23	60.98%	66.08%	\$0.00
8	3.	ARCHIVE	5,387	4,370	00:00:49	42.66%	20.94%	\$0.00
9	9. 🖾 /news/heic1115/		5,382	4,292	00:01:40	64.34%	45.06%	\$0.00
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11	1. 🗗 /videos/heic1116a/		5,049	4,599	00:02:03	73.68%	61.70%	\$0.00
12	2. /images/archive/category/galax/	ARCHIVE	4,817	2,430	00:00:28	40.00%	6.29%	\$0.00
13	3. // /images/archive/category/solarsystem/	ARCHIVE	4,794	3,054	00:00:42	70.76%	10.83%	\$0.00
14	4. // /images/archive/wallpapers/	ARCHIVE	4,790	2,390	00:00:38	34.94%	11.11%	\$0.00
15	5. // /images/heic0601a/	ARCHIVE	4,519	3,351	00:00:53	47.77%	25.71%	\$0.00
16	6. // /videos/archive/category/hubblecast/	ARCHIVE	4,311	2,566	00:01:20	42.28%	24.03%	\$0.00
17	7. [/images/heic0506b/	ARCHIVE	4,243	3,232	00:01:10	56.01%	29.44%	\$0.00
18	3. 🗗 /news/		4,174	2,974	00:00:55	56.42%	28.44%	\$0.00
19	9. // /images/heic1116b/		4,168	3,687	00:00:54	36.46%	42.85%	\$0.00
20	0. // /images/heic0602a/	ARCHIVE	3,889	2,796	00:00:50	50.16%	38.80%	\$0.00
2	1. // /images/archive/category/quasar/	ARCHIVE	3,868	2,312	00:00:31	63.46%	8.89%	\$0.00
22	2. // /images/page/2/	ARCHIVE	3,833	1,910	00:00:29	54.39%	5.53%	\$0.00
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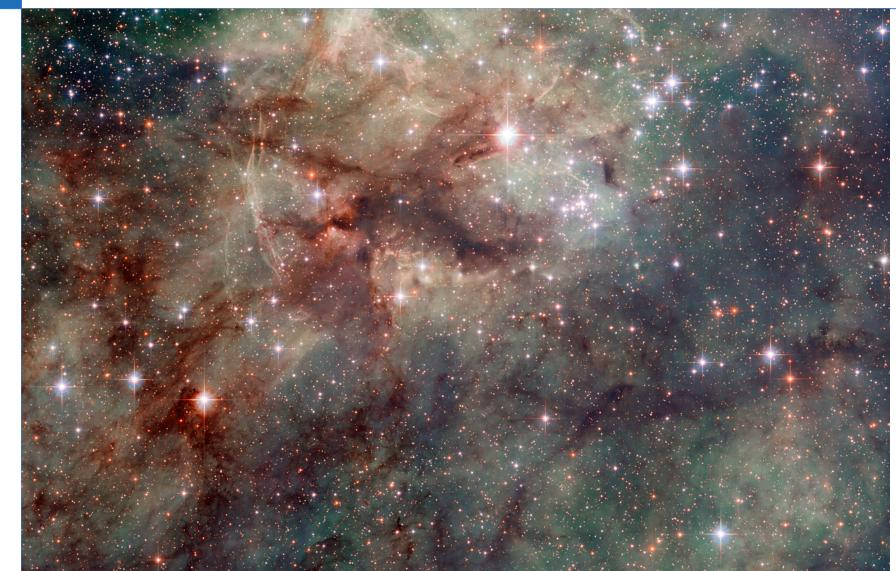




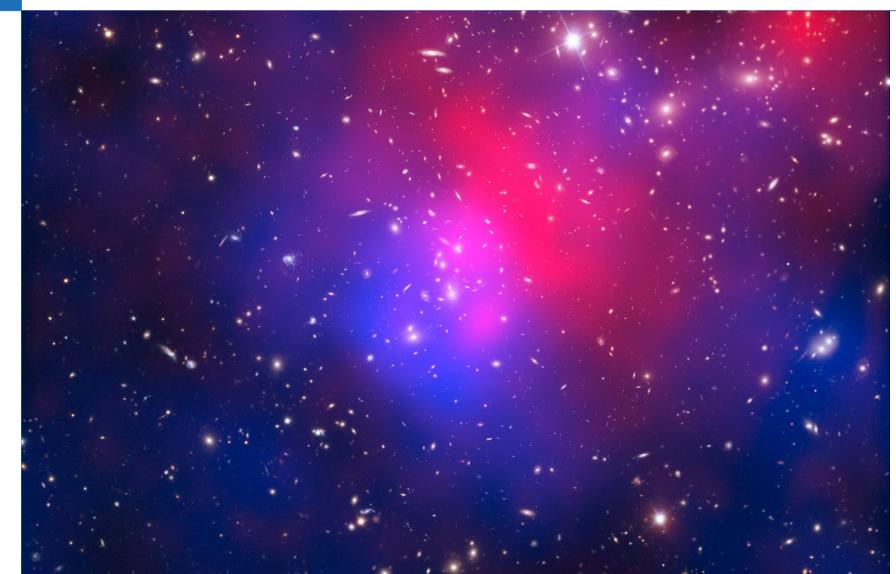
- Comparable (if not greater) numbers to STScI
 - > but comparison with STScI is not like-with-like
- Weekly images in the PotW
- Images for press releases
- Pipeline of 100+ forthcoming images
- Regular scouting of archives
- FITS Liberator

Graphic designers and artists

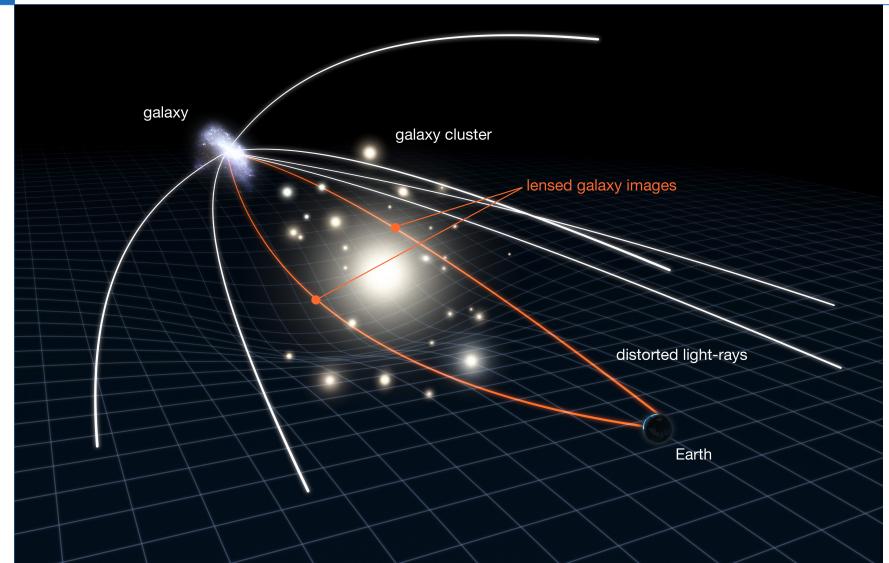






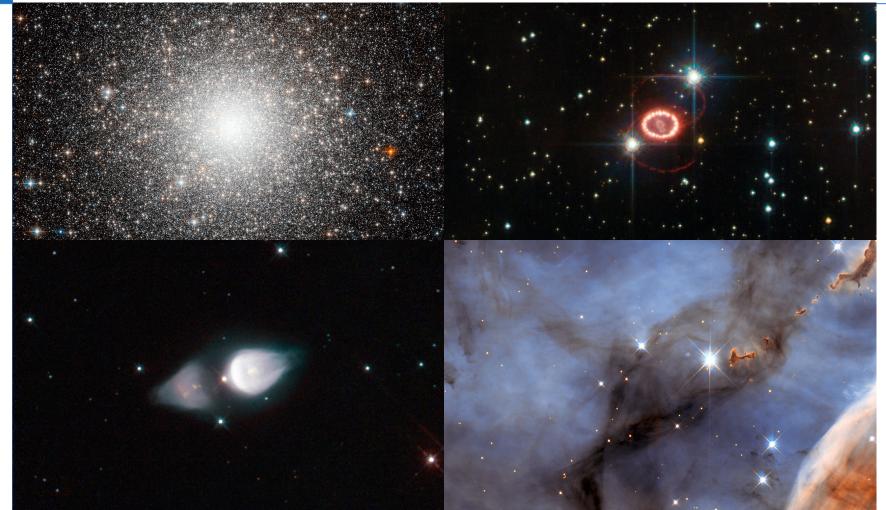








Picture of the Week





- Images are now all tagged with metadata:
 - > Filters and colour allocations
 - > Exposures
 - ➤ Objects (cross-referenced with SIMBAD)
 - ➤ Distance (where appropriate)
 - ➤ Coming soon: field of view, coordinates, allowing integration with third party tools like Google Sky.



iPad app







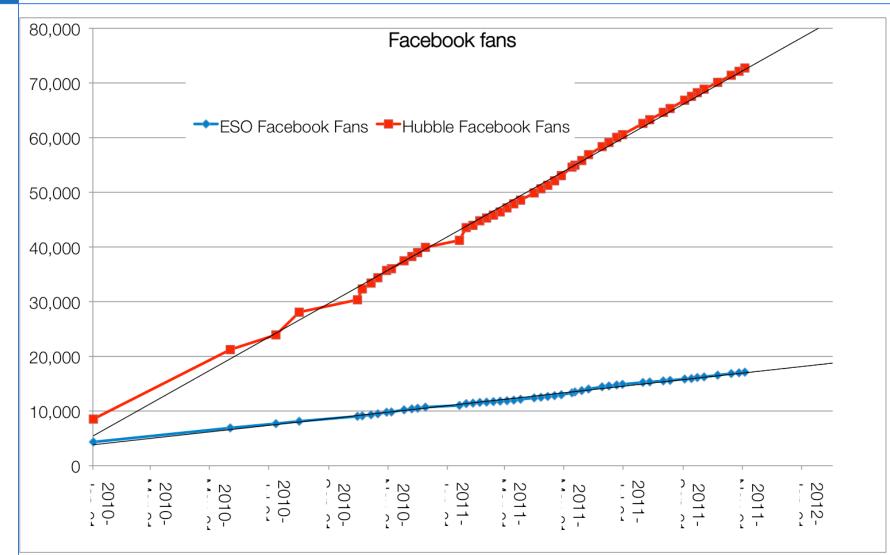


- Updated with all releases, podcasts, pictures, etc
- Reposting of archival images
- Active engagement with fans
 - > Answering questions and comments
 - ➤ Inviting suggestions for the Hubblecast



- 73,000 fans
- Increasing by ~3,000 per month
- 1.6m post views per month
- 12,000 likes or comments per month
- Most popular in 25-34 age group









Social media: Twitter



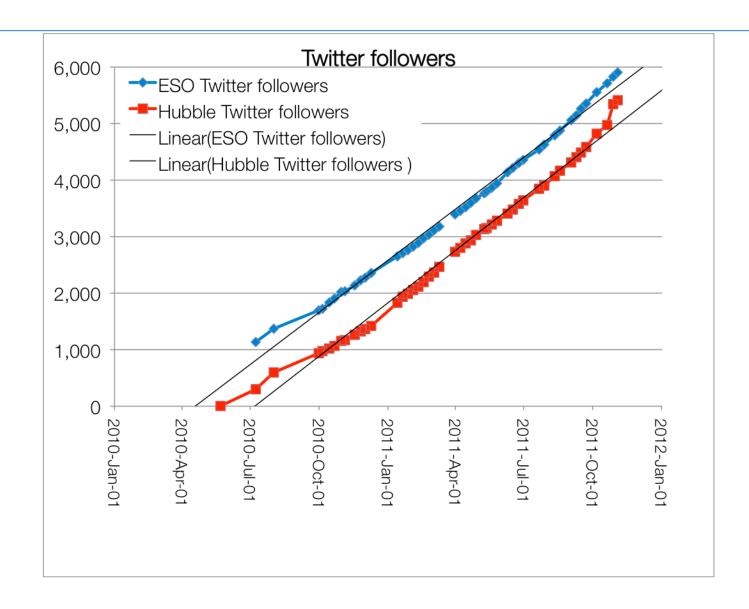


Social media: Twitter

- 5,500 followers
- Similar linear rise in followers to Facebook



Social media: Twitter











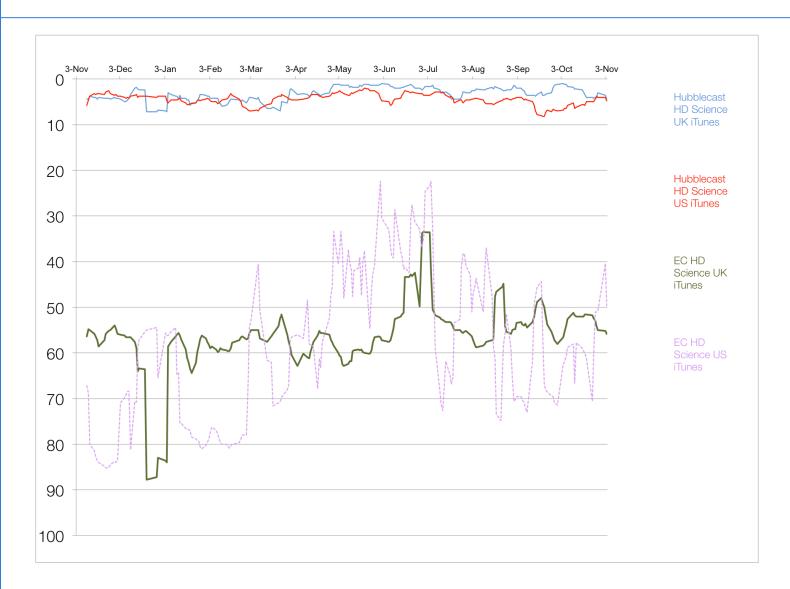


- Each episode covers one topic
- 5-10 minutes long
- Usually studio-based
- Extensive use of graphics and animations
- Aimed at slightly less technical audience than press releases



- One of the first HD video podcasts
- Top 10 in iTunes Science and Medicine category
- 50 episodes since 2007 (10-12 per year)
- Distribution:
 - > iTunes
 - ➤ YouTube, Vimeo, DailyMotion
 - > spacetelescope.org
 - Promotion via Facebook, Twitter, email
- 'Highly commended' in MEDEA 2011





















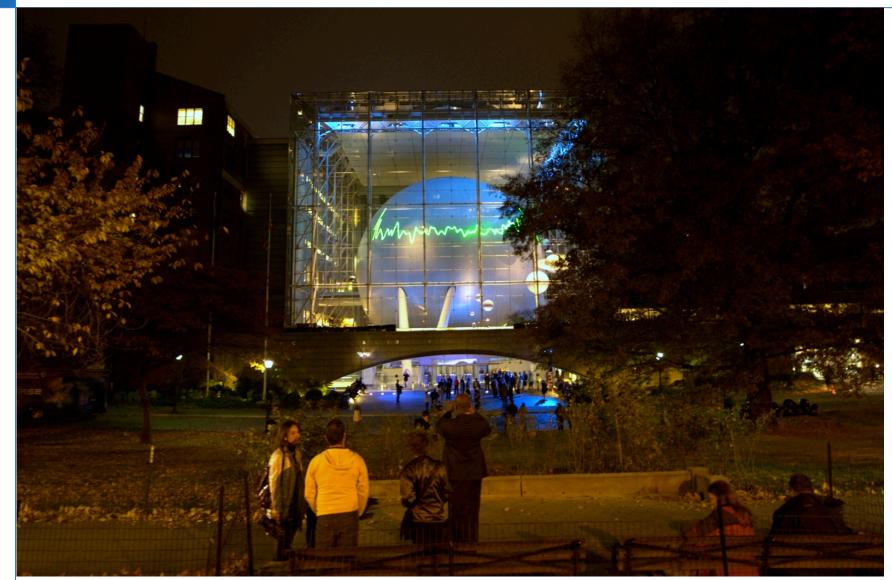


Overview

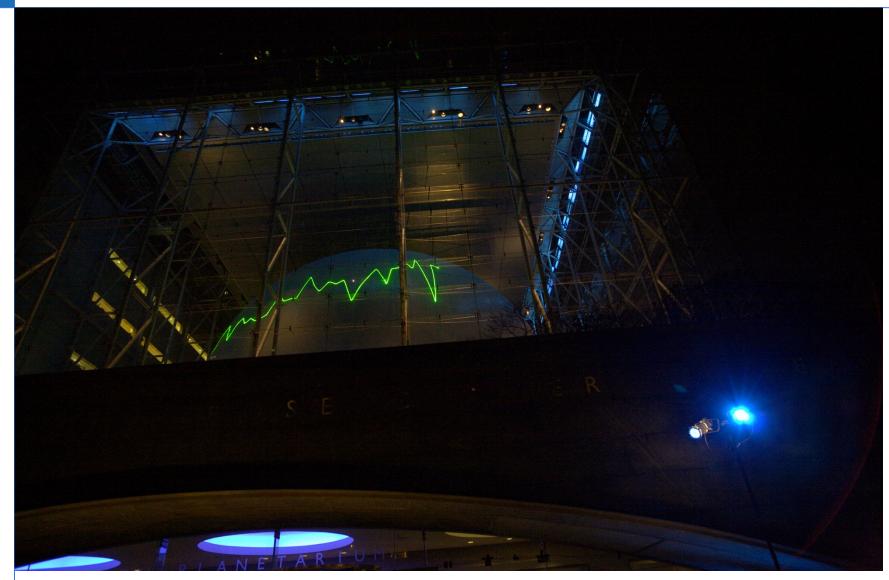
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- Image processing
- Social media
- Hubblecast



One more thing...













Contact



Oli Usher

Email: ousher@eso.org

Tel: +49 89 3200 6855

Web: www.spacetelescope.org

ESA/Hubble, c/o European Southern Observatory Karl-Schwarzschild-Straße 2 85748 Garching-bei-München, Germany