

Cosmology/Astrophysics News

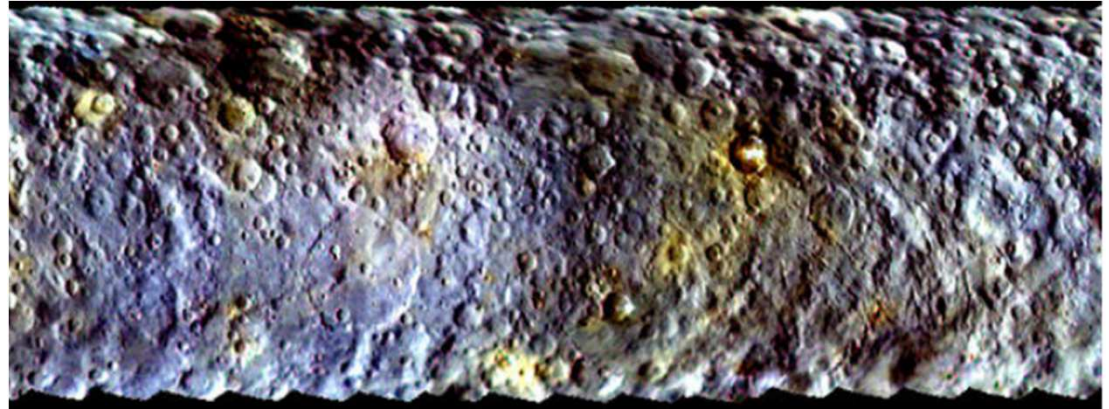
May 20, 2015

for Rose City Astronomers SIG

<http://101iq.com/RCA>

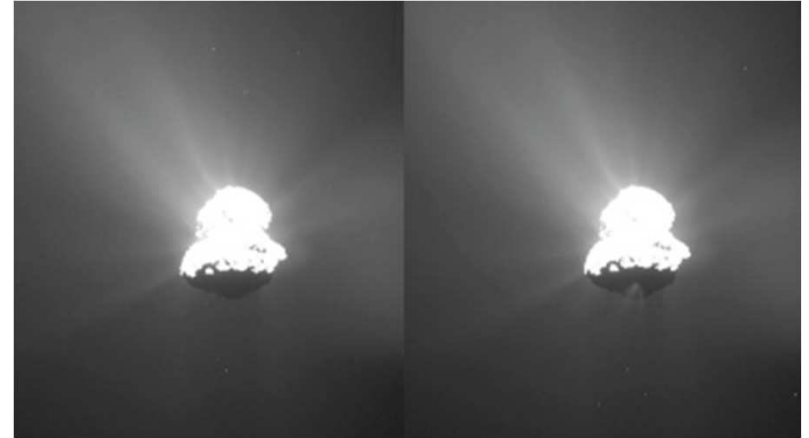
Science – April 17, 2015

- A dwarf planet's mysterious mottled landscape
 - <http://www.jpl.nasa.gov/news/news.php?feature=4548>
- Moon-forming impact left scars in distant asteroids
 - http://www.sciencemaginedigital.org/sciencemagazine/17_april_2015?page=15#p15
- A strong magnetic field in the jet base of a supermassive black hole
 - <http://www.sciencemag.org/content/348/6232/311.abstract>
- Evidence for mature bulges and inside-out quenching phase 3 billion years after the Big Bang
 - <http://arxiv.org/ftp/arxiv/papers/1504/1504.04021.pdf>
- Dating the Moon-forming impact event with asteroidal meteorites
 - <http://www.sciencemag.org/content/348/6232/321.abstract>



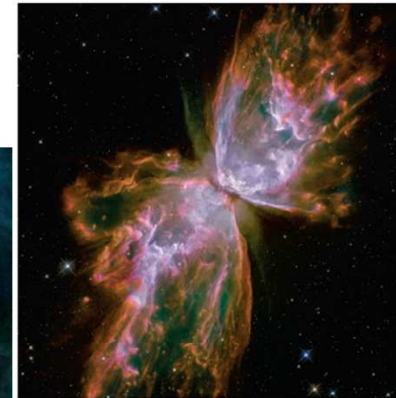
Nature – April 23, 2015

- Dark side of a comet sprouts jet
 - 67P viewed by Rosetta on March 12
 - <http://www.nature.com/news/seven-days-17-23-april-2015-1.17365>
- Self-similar fragmentation regulated by magnetic fields in a region forming massive stars
 - <http://www.ncbi.nlm.nih.gov/pubmed/25822792>
- Tungsten isotopic evidence for disproportional late accretion to the Earth and Moon
 - <http://www.nature.com/nature/journal/v520/n7548/full/nature14355.html>
 - <http://www.nature.com/nature/journal/v520/n7548/full/nature14360.html>



Science – April 24, 2015

- Hubble turns 25 and what is next
 - <http://www.sciencemag.org/content/348/6233/386.summary>
- Old supernova dust factory revealed at the Galactic center
 - <http://www.sciencemag.org/content/348/6233/413.abstract>
- Isolated compact elliptical galaxies: Stellar systems that ran away
 - <http://www.sciencemag.org/content/348/6233/418.short>



Nature – April 30, 2015

- Extended hard-X-ray emission in the inner few parsecs of the Galaxy
 - <http://www.nature.com/nature/journal/v520/n7549/full/nature14353.html>

Science – May 1, 2015

- Fronteirs in Light & Optics
 - <http://www.sciencemag.org/content/348/6234/514>

Scientific American – May 2015

- “Small Fry” – looking for planets with life around numerous M-dwarf stars?

– <http://www.nature.com/scientificamerican/journal/v312/n5/full/scientificamerican0515-24.html>

Nature – May 7, 2015

- New Horizons - Pluto mission hunts for hazards – unknown moons
 - <http://www.nature.com/news/pluto-bound-craft-hunts-for-hazardous-moons-1.17482>
 - <http://www.nature.com/news/corrections-1.17530>
- An extremely young massive clump forming by gravitational collapse in a primordial galaxy
 - <http://www.nature.com/nature/journal/v521/n7550/full/nature14409.html>
- Curtain eruptions from Saturn's Enceladus' south-polar terrain – “curtain eruptions”
 - <http://www.nature.com/nature/journal/v521/n7550/full/nature14368.html>

Science – May 8, 2015

- Astronomy Telescope clash deeply rooted in Hawaii's past - Opponents say Thirty Meter Telescope violates sovereignty and sacred ground.
 - <http://www.sciencemag.org/content/348/6235/614.summary>
- Supernovae Stellar metals shine toward our eyes only
 - <http://www.sciencemag.org/content/348/6235/644.11.full>
- ^{44}Ti gamma-ray emission lines from SN1987A reveal an asymmetric explosion
 - <http://www.sciencemag.org/content/348/6235/670.abstract>

Nature – May 14, 2015

- Mystery of Parkes radio telescope signals solved – a microwave oven
 - <http://arxiv.org/abs/1504.02165v1>
- Farthest galaxy measured – 650m years after big bang, EGS-zs8-1, using Keck telescope
 - <http://www.nature.com/nature/journal/v521/n7551/full/521129b.html>
- The slow death of red galaxies
 - <http://www.nature.com/nature/journal/v521/n7551/full/521164a.html>
 - <http://www.nature.com/nature/journal/v521/n7551/full/nature14439.html>