

Cosmology/Astrophysics News

NASA InSight launch May 5, 2018 to
land on Mars November 26, 2018

May 23, 2018

for Rose City Astronomers SIG

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

Science – April 13, 2018

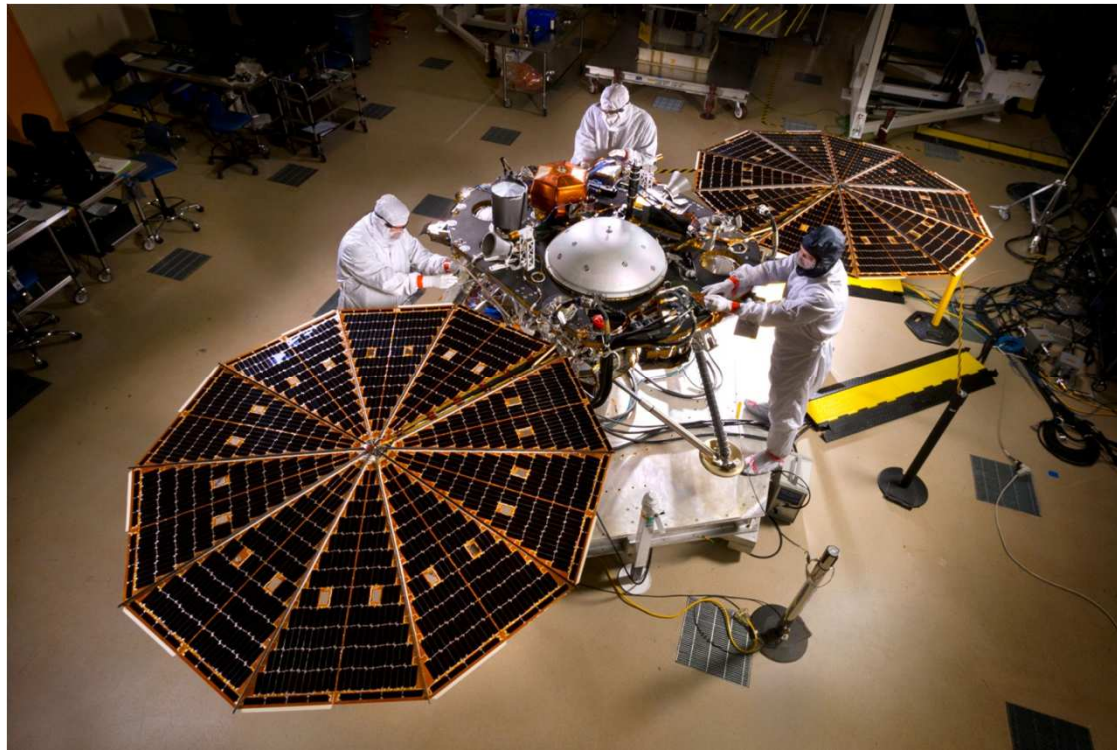
- Alpha Centauri's siren call has frustrated planet hunters
 - <http://science.sciencemag.org/content/360/6385/138>
- Measurement of the fine-structure constant as a test of the Standard Model
 - <http://science.sciencemag.org/content/360/6385/191>

Nature – April 19, 2018

- Last seconds of stardom – what makes massive stars explode
 - <https://www.nature.com/articles/d41586-018-04601-7>
- Bounteous black holes at the Galactic Centre
 - <https://www.nature.com/articles/d41586-018-04341-8>
- Two separate outflows in the dual supermassive black hole system NGC 6240
 - <https://www.nature.com/articles/s41586-018-0033-2>

Science – April 20, 2018

- NASA lander (InSight) to probe interior of Mars – launched May 5
 - <http://science.sciencemag.org/content/360/6386/247>



Nature – April 26, 2018

- NASA Transiting Exoplanet Survey Satellite (TESS) launched April 18, 2018
- Mars Probe Poised to Solve Red Planet's Methane Mystery
 - <https://www.nature.com/articles/d41586-018-04948-x>
 - <https://www.scientificamerican.com/article/mars-probe-poised-to-solve-red-planets-methane-mystery/>
- A massive core for a cluster of galaxies at a redshift of 4.3
 - <https://www.nature.com/articles/s41586-018-0025-2>

Science – April 27, 2018

- Data trove helps pin down the shape of the Milky Way
 - Gaia satellite reveals motion of 1.3 billion stars
 - <http://science.sciencemag.org/content/360/6387/363>

Nature – May 3, 2018

- Mars probe (InSight) to hunt quakes
 - <https://www.nature.com/articles/d41586-018-04964-x>
- Physicists trawl skies for enigmatic signal – radiation from first stars – LEDA experiment
 - <https://www.nature.com/articles/d41586-018-04966-9>
- Billion-star map set to transform astronomy
 - <https://www.nature.com/articles/d41586-018-04979-4>
- Helium discovered in the tail of an exoplanet WASP-107b
 - <https://www.nature.com/articles/d41586-018-04969-6>
 - <https://www.nature.com/articles/s41586-018-0067-5>

Science – May 4, 2018

- No cosmology / astrophysics news this issue

Nature – May 10, 2018

- An absolute sodium abundance for a cloud-free ‘hot Saturn’ exoplanet
 - <https://www.nature.com/articles/s41586-018-0101-7>
- What is spacetime?
 - <https://www.nature.com/articles/d41586-018-05095-z>
- What is dark matter?
 - <https://www.nature.com/articles/d41586-018-05096-y>

Science – May 11, 2018

- Fast stars point to supernovae, black holes
 - Speediest Milky Way stars in Gaia data release include invaders from other galaxies
 - <http://science.sciencemag.org/content/360/6389/589>
- Resolving the free neutron lifetime (~880s) puzzle
 - <http://science.sciencemag.org/content/360/6389/605>
 - <http://science.sciencemag.org/content/360/6389/627>
- Magnetic seismology of interstellar gas clouds: Unveiling a hidden dimension
 - <http://science.sciencemag.org/content/360/6389/635>

Nature – May 17, 2018

- Early star formation detected (250M years after big BANG)
 - <https://www.nature.com/articles/d41586-018-05114-z>
 - <https://www.nature.com/articles/s41586-018-0117-z>
- The pressure distribution inside the proton
 - <https://www.nature.com/articles/s41586-018-0060-z>

Scientific American – May 2018

- Exoplanet Everests May Be Detectable When Giant Telescopes Come Online
 - <https://www.scientificamerican.com/article/exoplanet-everests-may-be-detectable-when-giant-telescopes-come-online/>
- The New Era of Multi-messenger Astronomy
 - <https://www.scientificamerican.com/article/the-new-era-of-multimessenger-astronomy/>