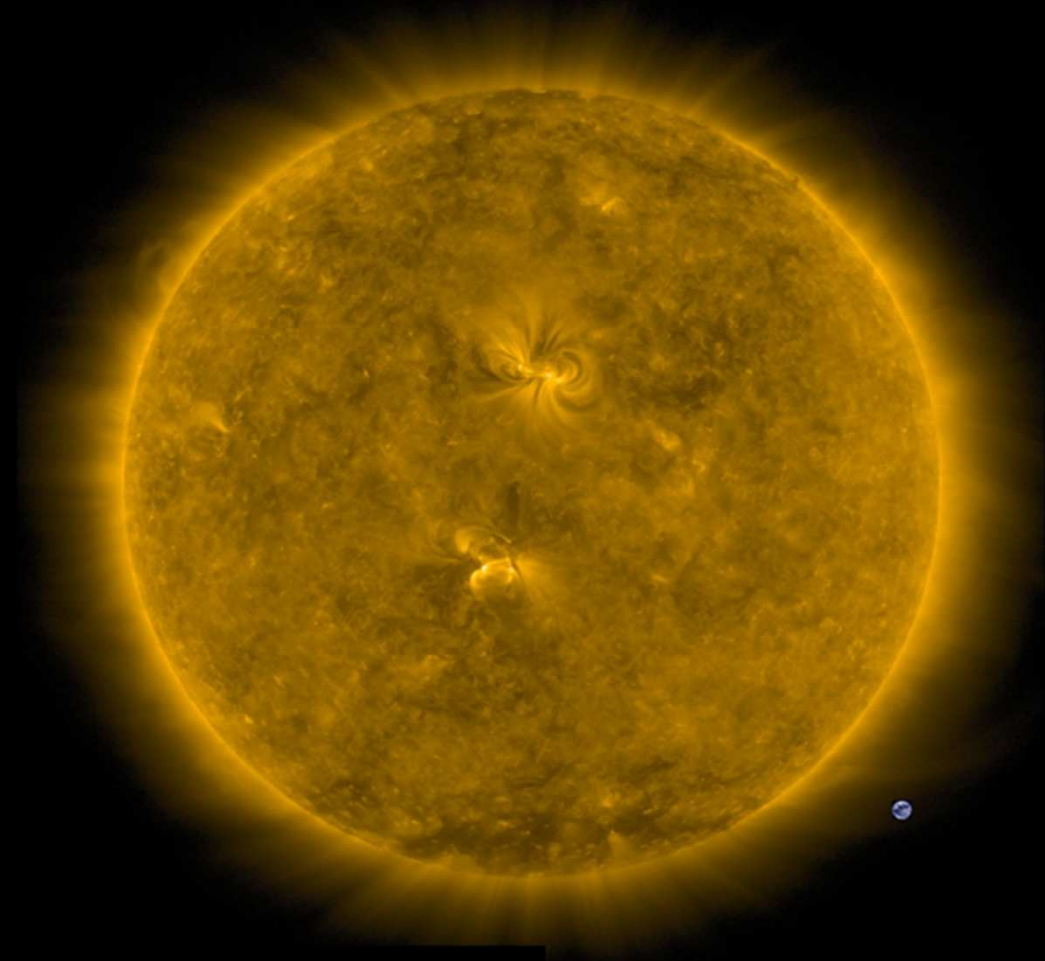


# Cosmology/Astrophysics News



March 20, 2019 for Rose City Astronomers SIG

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

# Science – February 15, 2019

- No Cosmology/Astrophysics news this issue

# Nature – February 21, 2019

- Young star found 1300 light years away with NaCl and KCl (salt) disk surrounding it
- New moon (7<sup>th</sup>) for Neptune “Hippocamp”
  - <https://www.nature.com/articles/d41586-019-00576-1>
  - <https://www.nature.com/articles/s41586-019-0909-9>

# Science – February 22, 2019

- NASA probe to make all-sky infrared map – SPHEREx to launch in 2023
  - <http://science.sciencemag.org/content/363/6429/803>

# Nature – February 28, 2019

- Gigantic Japanese detector seeks supernova neutrinos
  - <https://www.nature.com/articles/d41586-019-00598-9>

# Science – March 1, 2019

- Impact craters on Pluto and Charon indicate a deficit of small Kuiper belt objects
  - <http://science.sciencemag.org/content/363/6430/955>
- Compact radio emission indicates a structured jet was produced by a binary neutron star merger
  - <http://science.sciencemag.org/content/363/6430/968>

# Nature – March 7, 2019

- Earth's hydrogen atmosphere reaches out beyond moon's orbit
  - <http://doi.org/c23q>

# Science – March 8, 2019

- No cosmology/astrophysics news this issue



# Nature – March 14, 2019

- A distance to the Large Magellanic Cloud that is precise to one per cent =  $49.59 \pm 0.09$  kiloparsecs
  - <https://www.nature.com/articles/s41586-019-0999-4>

# Scientific American – March 2019

- The Inner Lives of Neutron Stars

- <https://www.scientificamerican.com/article/neutron-stars-natures-weirdest-form-of-matter/>

# Miscellaneous

- Next meeting will be April 10 (1 week early)
- National Geographic – March 2019
  - Search for life
  - Who's out there
  - Next wave of planet hunters
  - Intelligent aliens
  - Hunting for habitability
  - Breakthrough Starshot