

Cosmology/Astrophysics News



Space Station transit
across the Sun

September 2021 for Rose City Astronomers SIG

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

Nature – September 2, 2021

- Measuring the density structure of an accretion hot spot
 - <https://www.nature.com/articles/s41586-021-03751-5>
- Why do more massive stars host larger planets?
<https://www.aanda.org/component/content/article/187-highlights/2021-highlights/2302-why-do-more-massive-stars-host-larger-planets>

Science – September 3, 2021

- A transient radio source consistent with a merger-triggered core collapse supernova
 - <https://www.science.org/doi/10.1126/science.abg6037>

Nature – September 9, 2021

- Large metallicity variations in the Galactic interstellar medium
 - <https://www.nature.com/articles/s41586-021-03780-0>

Science – September 10, 2021

- The coming lunar armada of NASA funded lunar probes
 - <https://www.science.org/doi/epdf/10.1126/science.acx9028>

Nature – September 16, 2021

- Success! Mars rover finally collects its first rock core
 - <https://www.nature.com/articles/d41586-021-02394-w>
- The diffuse gamma-ray background is dominated by star-forming galaxies
 - <https://www.nature.com/articles/s41586-021-03802-x>

Science – September 17, 2021

- No cosmology/astrophysics news this issue

Nature – September 23, 2021

- Quenching of star formation from a lack of inflowing gas to galaxies
 - <https://www.nature.com/articles/s41586-021-03806-7>
- New dark energy could solve universe expansion mystery
 - <https://www.nature.com/articles/d41586-021-02531-5>

Science – September 24, 2021

- No cosmology/astrophysics news this issue

Nature – September 30, 2021

- The importance of lake breach floods for valley incision on early Mars
 - <https://www.nature.com/articles/s41586-021-03860-1>

Miscellaneous

- Next in-person meeting will be when pandemic is over. Please stay safe!
- In the meantime, I will post this monthly news possibly with zero or more videos to watch, as for example, these:
 - <https://www.youtube.com/watch?v=JETGS64kTys>
 - <https://www.youtube.com/watch?v=rOFSINANVz4>
 - <https://www.youtube.com/watch?v=X3xddkS4H80>