



# Cosmology/Astrophysics News

Closest star forming region near us

January 2025 for Rose City Astronomers SIG

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

# Nature – January 2, 2025

- MARS rover makes epic climb to ancient rocks
  - <https://www.nature.com/articles/d41586-024-04101-x>
- A pulsar-like polarization angle swing from a nearby fast radio burst
  - <https://www.nature.com/articles/s41586-024-08184-4>
- Magnetospheric origin of a fast radio burst constrained using scintillation
  - <https://www.nature.com/articles/s41586-024-08297-w>

# Science – January 3, 2025

- Vera C Rubin Observatory to make 10 year time lapse of the universe
  - <https://www.science.org/doi/10.1126/science.adv6038>

# Nature – January 9, 2025

- No cosmology/astrophysics news this issue

# Science – January 10, 2025

- Mars sample decision postponed
  - <https://www.science.org/content/article/news-glance-snail-darter-s-true-identity-diverse-proteins-and-high-profile-bacteria>

# Nature – January 16, 2025

- Spacecraft makes closest-ever approach to sun
  - <https://www.nature.com/articles/d41586-025-00009-2>
- NASA still has no plan for how it will bring Mars rocks to Earth
  - <https://www.nature.com/articles/d41586-025-00022-5>
- Did Pluto “kiss-and-capture” its largest moon?
  - <https://www.nature.com/articles/d41586-025-00034-1>

# Science – January 17, 2025

- Energy megaproject in Chile threatens the world's largest telescopes
  - <https://www.science.org/content/article/energy-megaproject-chile-threatens-world-s-largest-telescopes>
- Silicate clouds on lava worlds
  - <https://iopscience.iop.org/article/10.3847/1538-3881/ad85e0>

# Nature – January 23, 2025

- Chirping chorus rings out from an unexpected part of outer space

<https://www.nature.com/articles/d41586-024-04211-6>

<https://www.nature.com/articles/s41586-024-08402-z>



# Science – January 24, 2025

- No cosmology/astrophysics this issue

# Nature – January 30, 2025

- Asteroid Bennu contains salts from ancient brine
  - <https://www.nature.com/articles/d41586-025-00084-5>
  - <https://www.nature.com/articles/s41586-024-08495-6>

# Science – January 31, 2025

- No cosmology/astrophysics this issue

# Miscellaneous

- I will post this monthly news possibly with zero or more videos and links to watch, as for example, these:
  - <https://www.youtube.com/watch?v=fW51FA9ryxY>
  - <https://www.youtube.com/watch?v=SXg6YVcdOcA>
  - <https://www.youtube.com/watch?v=2gd-x-Yl5ac>
  - <https://www.youtube.com/watch?v=JINVZz5D6WE>