

Cosmology/Astrophysics News

A detailed 3D rendering of the Roman Space Telescope, a large, boxy spacecraft with a prominent circular aperture and various instruments. It is shown in a dynamic pose against a vibrant, purple and blue cosmic background filled with distant galaxies and nebulae.

Roman space telescope

August 2026 for Rose City Astronomers SIG

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

Nature – August 6, 2026

- Rift valleys could be keeping Venus active
 - <https://www.nature.com/articles/d41586-026-02372-0>
- Retraction Note: Sub-second periodicity in a fast radio burst
 - <https://www.nature.com/articles/s41586-026-10799-8>

Science – August 6, 2026

- NASA's PUNCH punches up space weather forecasts
 - <https://www.science.org/content/article/nasa-mission-predicts-solar-explosion-s-arrival-earth-stunning-precision>
- What triggered the atmosphere's great oxygen rise
 - <https://www.science.org/content/article/what-triggered-one-most-dramatic-changes-earth-s-history>

Nature – August 13, 2026

- Little red dot gets its colour from gas – not dust
 - <https://www.nature.com/articles/d41586-026-02290-1>
- A gas-enshrouded and gas-reddened black hole at cosmic dawn
 - <https://www.nature.com/articles/s41586-026-10846-4>

Science – August 13, 2026

- Planned satellite constellations risk runaway debris
 - <https://www.science.org/content/article/planned-satellite-megaconstellations-could-generate-runaway-space-debris>
- Scientists find strong evidence for elusive glueball
 - <https://www.science.org/content/article/ behold-glueball-strange-new-form-matter>
- The proton's next secret
 - <https://www.science.org/doi/10.1126/science.aek0574>

Nature – August 20, 2026

- Milky Way mystery investigated using large balloon
 - <https://journals.aps.org/prd/abstract/10.1103/h89s-4p7q>
- A particle made of force: Mysterious Glueball found
 - <https://www.nature.com/articles/d41586-026-02498-1>
- Vacuum birefringence and the polarized X-ray emission from a radio magnetar
 - <https://www.nature.com/articles/s41586-026-10859-z>
- Ubiquitous Kelvin-Helmholtz instabilities driving plasma mixing on the Sun
 - <https://www.nature.com/articles/s41586-026-10871-3>

Science – August 20, 2026

- Arson attack jolts Italy's bid to host the Einstein Telescope
 - <https://www.science.org/content/article/arson-attack-jolts-italy-s-bid-host-einstein-telescope>
- China mission aims to probe the Moon's hidden water
 - <https://www.science.org/content/article/china-mission-aims-moon-s-hidden-water-hopping-probe>
 - <https://www.science.org/content/article/china-abruptly-delays-mission-probe-moon-s-hidden-water>
- Pure sulfur stones on Mars
 - <https://www.science.org/doi/10.1126/science.adu5501>

Nature – August 27, 2026

- 2026 IgNobel prizes
 - <https://www.nature.com/articles/d41586-026-02650-x>
- Astronaut vest cuts radiation exposure in half
 - <https://www.nature.com/articles/d41586-026-02556-8>
- Hidden volcanoes hint at Moon's turbulent past
 - <https://www.nature.com/articles/d41586-026-02555-9>
- Evidence for the first globular cluster stellar stream beyond the Milky Way
 - <https://www.nature.com/articles/s41586-026-10878-w>
- Tidal tomography reveals a thermal anomaly beneath Mars's crustal dichotomy
 - <https://www.nature.com/articles/s41586-026-10893-x>

Science – August 27, 2026

- NASA's Roman telescope readies a sweeping view of the universe
 - <https://www.science.org/content/article/nasa-s-roman-telescope-readies-sweeping-view-universe>

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=P7IRM3rUzB0>
 - <https://www.youtube.com/watch?v=eYViePMaIJE>
 - <https://www.youtube.com/watch?v=9TLMPYhstf0>
 - <https://www.youtube.com/watch?v=tecOr0Q9edM>