



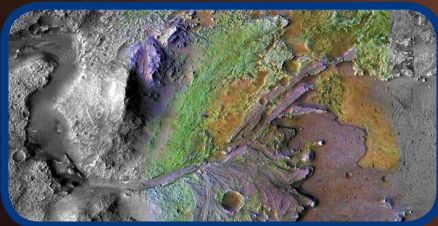
An ESBAŞ Enterprise



Global Friendship Through Space Education

CONTENTS

- New Images From China's Tianwen-1 at Mars 1
- Early Martian Climate Was Intermittently Warm 1
- ISS Enters 'Golden Age' 2
- The Most Distant Radio-Loud Quasar Discovered 2
- New Atmosphere Forming on a Rocky Exoplanet 3
- 240 Years Since Uranus Was Discovered!..... 3



Early Martian Climate Was Intermittently Warm

A new study that characterizes the climate of Mars over the planet's lifetime reveals that in its earliest history it was periodically warmed due to the input of greenhouse gases derived from volcanism and meteorites, yet remained relatively cold in the intervening periods, thus providing opportunities and challenges for any microbial life form that may have been emerging on the Red Planet. The findings are detailed in a paper published in Nature Geoscience.

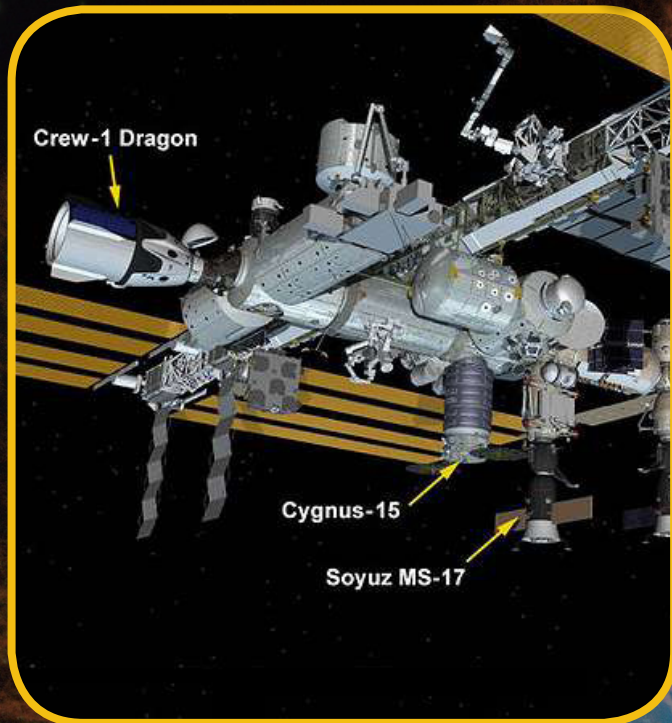
MarsDaily.com

New Images From China's Tianwen-1 at Mars

The China National Space Administration (CNSA) released new images from the Tianwen-1 Mars mission earlier this month, on March 4, 2021. The color image shows the north pole of Mars. The Tianwen-1 orbiter captured these images at an altitude above Mars of about 340 km. That's comparable to the height of the International Space Station above the Earth (400 km).

EarthSky.org

With SpaceX, ISS Enters 'Golden Age' But What Comes Next



After 20 years of continuous habitation, the International Space Station has entered its "Golden Age" and is abuzz with activity -- thanks in large part to the return of US rocket launches via commercial partner SpaceX.

But though the near- future of this symbol of post-Cold War cooperation is assured, NASA wants to begin disengaging by the end of the decade, leaving a gap that the private sector and China hope to fill.

SpaceDaily.com

The Most Distant Radio-Loud Quasar Discovered

In a recent study, an international team of astronomers presents the discovery of PSO J172.3556+18.7734—a highly accreting radio-loud quasar at a redshift of approximately 6.82. This is the most distant radio-loud quasar known to date. The finding is detailed in a paper published March 4 on arXiv.org. Quasars, or quasi-stellar objects (QSOs), are extremely luminous active galactic nuclei (AGN) containing supermassive central black holes with accretion disks.



Phys.org

New Atmosphere Forming on a Rocky Exoplanet



For the first time, scientists using the NASA/ESA Hubble Space Telescope have found evidence of volcanic activity reforming the atmosphere on a rocky planet around a distant star. The planet, GJ 1132 b, has a similar density, size, and age to Earth. To the surprise of astronomers, new observations from Hubble have uncovered a secondary atmosphere that has replaced the planet's first atmosphere. It is rich in hydrogen, hydrogen cyanide, methane and ammonia, and also has a hydrocarbon haze.

Technology.org

240 Years Since Uranus Was Discovered!

Until 1781, the known solar system consisted of six planets. On March 13 of that year, astronomer William Herschel observed a faint object in the constellation Gemini and noted that it moved slowly relative to the background stars. First thinking it a comet, Herschel later correctly identified it as a planet and wanted to name it after the monarch of his adopted United Kingdom. But astronomers decided to maintain the tradition of naming planets after mythological figures, and the seventh planet became known as Uranus.



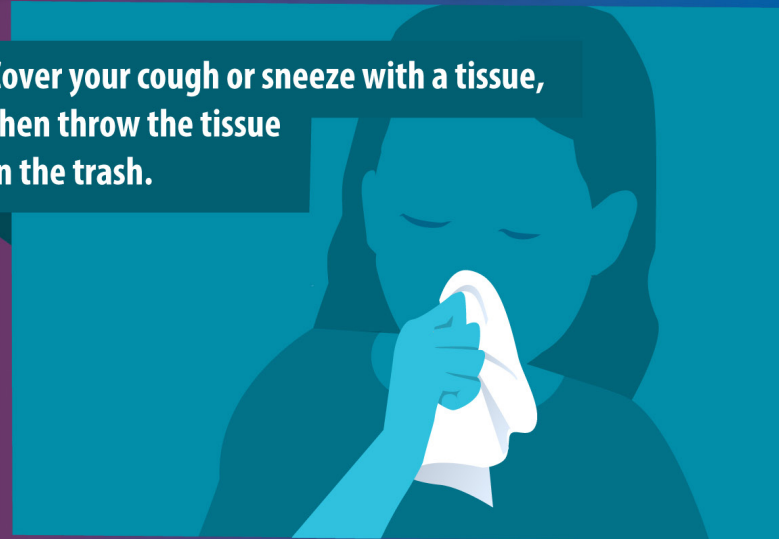
NASA.gov

How to Protect Ourselves?

Avoid close contact with people who are sick.



Cover your cough or sneeze with a tissue, then throw the tissue in the trash.



Avoid touching your eyes, nose, and mouth.



Clean and disinfect frequently touched objects and surfaces.



Stay home when you are sick, except to get medical care.



Wash your hands often with soap and water for at least 20 seconds.





Astronomy Picture of the Day

A Flag Shaped Aurora over Sweden

Image Credit & Copyright: *Mia Stålnacke*

It appeared, momentarily, like a 50-km tall banded flag. In mid-March of 2015, an energetic Coronal Mass Ejection directed toward a clear magnetic channel to Earth led to one of the more intense geomagnetic storms of recent years. A visual result was wide spread auroras being seen over many countries near Earth's magnetic poles. Captured over Kiruna, Sweden, the image features an unusually straight auroral curtain with the green color emitted low in the Earth's atmosphere, and red many kilometers higher up. It is unclear where the rare purple aurora originates, but it might involve an unusual blue aurora at an even lower altitude than the green, seen superposed with a much higher red. Now past Solar Minimum, colorful nights of auroras over Earth are likely to increase.

apod.nasa.gov



Space Camp Turkey, Aegean Free Zone 35410 Gaziemir, Izmir / Turkey

Phone : +90 232 252 35 00 Fax : +90 232 252 36 00

Email: info@spacecampturkey.com

© 2020 - SPACE CAMP TURKEY / ALL RIGHTS RESERVED - An ESBAŞ Enterprise

