

COSMIC DIMENSIONS

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CENTI ASTRO-SPACE ACTIVITIES

Welcome to the seventh issue of Cosmic Dimensions. Now that it's officially summer, I hope you will take the time to go outside at night to observe the night sky. During the last part of June there was a planetary alignment. If you missed it, I have included a picture of what it looked like for the SPACE PIC OF THE MONTH.

- SAVE THE DATES - **FREE WEBINARS** - See dates and time below
- WHAT'S UP IN THE NIGHT SKY FOR JULY
- FAMOUS FEMALE SCIENTIST/ASTRONAUT
- SPACE PIC OF THE MONTH
- SPACE SPINOFFS
- ASTROSPACE JOKE of the MONTH
- SPACE QUOTE of the MONTH
- INSPIRATIONAL QUOTE of the MONTH

SAVE THE DATES - **FREE WEBINARS**

I will be hosting free webinars on Thursday during the month of July.

DATES: Thursdays, July 7th, 21st and 28th

TIME: 7:00 - 8:00 PM ET

- TOPICS: ★ Networking ★ Learn about courses, webinars & workshops I offer.
★ Courses I will be offering through OUTSCHOOL ★ Answer questions
★ **STEAM LUNAR / MARS SPACE CAMPS for Summer and throughout the year**

RESERVATIONS ARE REQUIRED.

Schedule your spot by the day before each webinar by sending your name and email using the CONTACT page on our website <https://www.centiastroospace.com> or call us at (716) 338 - 7596.

Once you have registered, a link will be sent to your email for you to log in.

WHAT'S UP IN THE NIGHT SKY FOR JULY

The Night Sky

<https://www.youtube.com/watch?v=3W8XUBHdxnM>

FAMOUS FEMALE SCIENTIST/ASTRONAUT



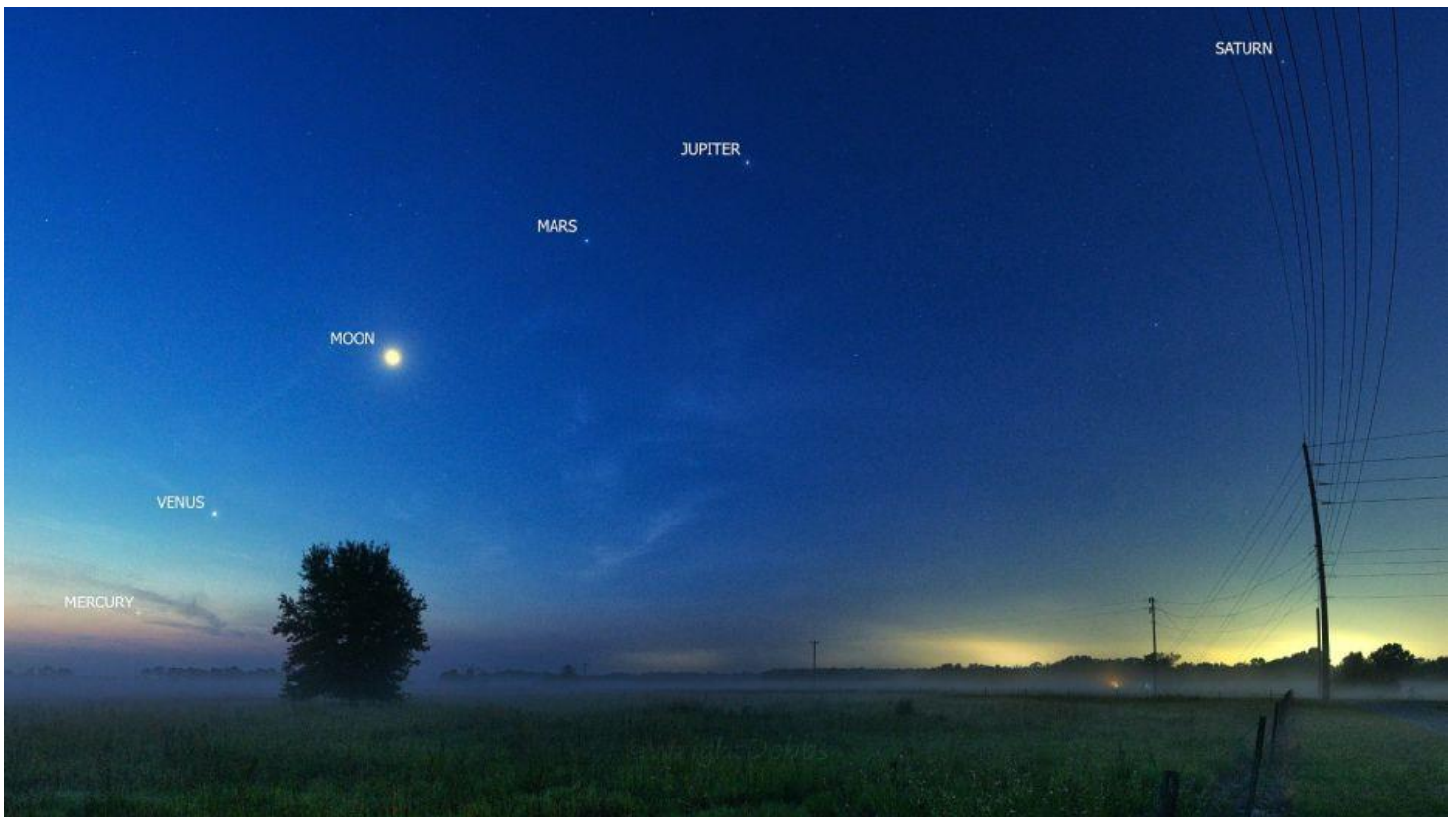
Dr. Sian Proctor is a geoscientist, explorer, space artist, and astronaut. She was the mission pilot for the [Inspiration4](#) all-civilian orbital mission which launched on September 15th, 2021. She is also one of [The Explorer's Club 50: Fifty People Changing the World](#). Her motto is called Space2inspire where she encourages people to use their unique, one-of-a-kind strengths, and passion to inspire those within their reach and beyond. She believes that we need to actively strive for a J.E.D.I. space: a just, equitable, diverse, and inclusive space as we advance human spaceflight.

She uses her afrofuturism space art to encourage conversations about women of color in the space industry. She's also an analog astronaut and has completed four analog missions including the all-female SENSORIA Mars 2020 mission at the [Hawai'i Space Exploration Analog and Simulation \(HI-SEAS\) Habitat](#), the NASA funded 4-months Mars mission at HI-SEAS, a 2-weeks Mars mission at the [Mars Desert Research Station \(MDRS\)](#), and a 2-weeks Moon mission in the [LunAres Habitat](#). She believes that when we solve for space, we also solve issues on Earth. She promotes sustainable food practices used in space exploration as a way to reduce food waste on Earth. She has a TEDx talk called [Eat Like a Martian](#) and published the [Meals for Mars Cookbook](#). Dr. Proctor was a finalist for the 2009 NASA Astronaut Program and got down to the Yes/No phone call which came from Astronaut Sunita Williams. She is an international speaker who enjoys engaging in educational outreach. She is a continuing [NASA Solar System Ambassador](#) and serves on the [Explore Mars Board of Directors](#), [JustSpace Alliance Advisory Board](#), the [Science in the Wild Advisory Board](#), the [SEDS USA Advisory Board](#), and the [National Science Teaching Association's Aerospace Advisory Board](#). In 2019, she was the science communication outreach officer on the [JOIDES Resolution Expedition 383](#) and spent 2-months at sea with researchers investigating the Dynamics of the Antarctic Circumpolar Current. She also participated in the 2-week faculty development seminar Exploring Urban Sustainability in India. She was a 2017 [National Oceanic and Atmospheric Administration \(NOAA\) Teacher at Sea](#), a 2016 [Astronomy in Chile Educator Ambassador \(ACEAP\)](#), and a 2014 [PolarTREC Teacher](#) investigating climate change in Barrow, Alaska. She is a Major in the [Civil Air Patrol](#) and serves as a member of the Arizona Wing Aerospace Education Officer.

Dr. Proctor spent 21 years as a professor teaching geology, sustainability, and planetary science at South Mountain Community College, Phoenix, Arizona. She is currently the Open Educations Resource Coordinator for the Maricopa Community College District. She has a B.S. in Environmental Science, an M.S. in Geology, and a Ph.D. in Curriculum and Instruction: Science Education. She recently finished a sabbatical at Arizona State University's Center for Education Through Exploration creating virtual field trips. She did her 2012-13 sabbatical at the Federal Emergency Management Agency's (FEMA) Emergency Management Institute developing their science of disasters curriculum. She has appeared in multiple international science shows and is currently on A World Without NASA and Strange Evidence. You can follow her on social media @DrSianProctor.

SOURCE: <http://www.drSianproctor.com/>

SPACE PIC OF THE MONTH



Astrophotographer Wright Dobbs took this image of five bright planets visible lined up with the moon from St. Cloud, Florida before dawn on June 24, 2022. The planets are (from left): Mercury, Venus, Mars, Jupiter and Saturn with the crescent moon between Venus and Jupiter. (Image credit: Wright Dobbs)

SPACE SPINOFFS

Space exploration has many benefits that people aren't aware of, but here are a couple of things worth noting.

- **NASA Helps Private Lander Shoot for the Moon**

Astrobotic's lunar landing program, launching in 2022, carries NASA and commercial payloads

➤ Originally published 01/24/2022

Astrobotic Technology of Pittsburgh leveraged NASA expertise to develop one of the first commercial lunar landers, planned to deliver agency science and technology payloads in 2022. Private organizations and individuals are also sending payloads as space exploration becomes more accessible to everyone. To read more click on the link: <https://spinoff.nasa.gov/private-lander-shoots-for-the-moon>

- **A Bright Idea for the Eyes**

- Originally published in 2004

Originating Technology/ NASA Contribution

Throughout its existence, NASA has made many amazing discoveries in the field of optics that have led to improved eye care and eye wear applications on Earth. Innovations such as laser eye-tracking for LASIK vision-correction procedures, eye trackers that enable people with severe disabilities to communicate and control their environment using only their eye movements, and scratch-resistant and radiation-blocking lenses are just a taste of the Space Agency's optical accomplishments. To read more click on the link: https://spinoff.nasa.gov/Spinoff2004/hm_2.html

ASTROSPACE JOKE of the MONTH

Out in space two alien life forms are speaking with each other.

The first alien says, "The dominant life forms on the earth planet have developed satellite-based nuclear weapons."

The second alien, who looks exactly like the first, asks, "Are they an emerging intelligence?"

The first alien says, "I don't think so, they have them aimed at themselves."

SPACE QUOTE of the MONTH

"Soon there will be the time for the earth to bid us all farewell like the mothers do to their children." -- Arthur C. Clarke

INSPIRATIONAL QUOTE of the MONTH

"You miss 100% of the shots you don't take." -- Wayne Gretzky

CONTACT

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