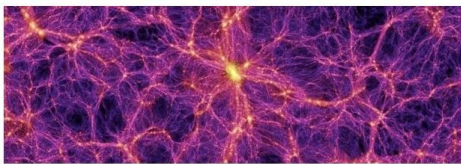


Meeting Minutes 10/4/19

- **ATOMM (Astronomy Tutoring or Majors and Minors):** Need help with math, physics, or astronomy? Want a place to study with friends?
Stop by *EVERYDAY* b/w 2-4pm @ Parker Library, outside N305. Get to know people in your major and work together, while also having upperclassmen available to help!
- **TIMESTEP:** TIMESTEP is a discussion group about topics of professional development for undergraduates in STEM fields at U. Arizona with a specific focus on supporting students who are under represented minorities (URMs).
Next Meeting; What it's like to be a Graduate Student -> on October 9th in PAS 218. Hear from a panel of UA graduate students in physics and astronomy about the realities of graduate school and why they chose to pursue a PhD.
- **Searching for Volunteers for Spanish Astronomy Public Talk:**



Searching for Volunteers for the Spanish Astronomy Public Talk on October 21st

- ★ **Help organize** the new talks on astronomy!
- ★ Meet other **Spanish speaking astronomers and physicists!**
- ★ **Gain experience** talking to large groups and in public!
- ★ Talk about future academic careers with our speaker!

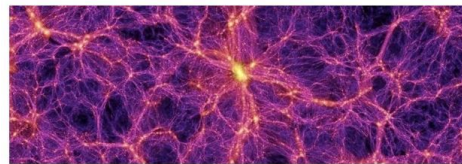
Volunteers will...

- ... help organize logistics of the event.
- ... greet members of the public before the talk.
- ... translate information from the telescope operators.

Must be a fluent Spanish speaker!

To get involved or for any questions, please email:
rehviding@email.arizona.edu

A History of Dark Matter by Dr. Zaritsky
Date: October 21. Time: 7:30 - 9:30 pm.



Buscando Voluntarios para la Charla Pública de Astronomía en Español el 21 de Octubre

- ★ **¡Ayuda a organizar** la nueva serie de charlas sobre astronomía!
- ★ ¡Conoce a otros **astrónomos y físicos hispanohablantes!**
- ★ **¡Adquirir experiencia** hablando con grupos grandes y en público!
- ★ **¡Hablar sobre futuros caminos académicos** con nuestro ponente!

Los voluntarios...

- ... ayudarán a organizar la logística del evento.
- ... saludarán a los miembros del público antes de la charla.
- ... traducirán información de los operadores del telescopio.

Debe haber español con fluidez!

Para participar o para cualquier pregunta, envíe un correo electrónico a:
rehviding@email.arizona.edu

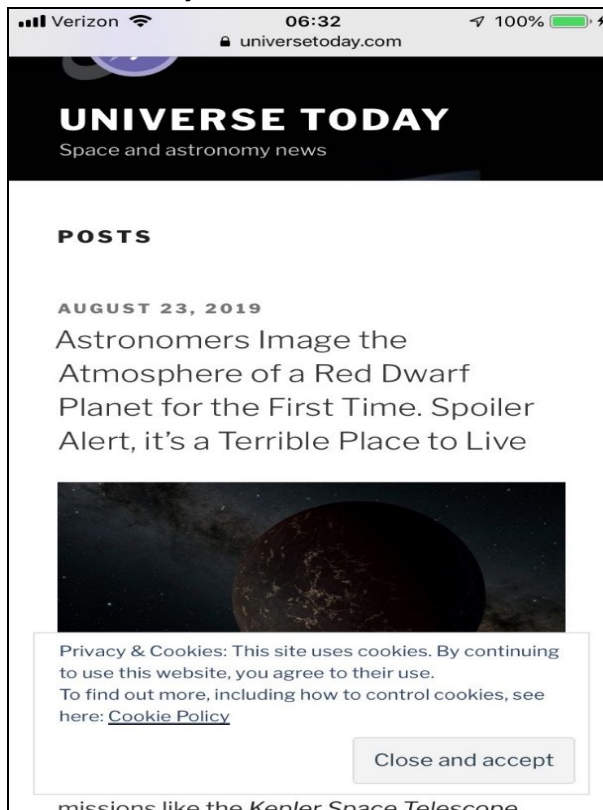
Una Historia de Materia Oscura por el Dr. Zaritsky
Fecha: 21 de Octubre. Hora: 7:30 - 9:30 pm.



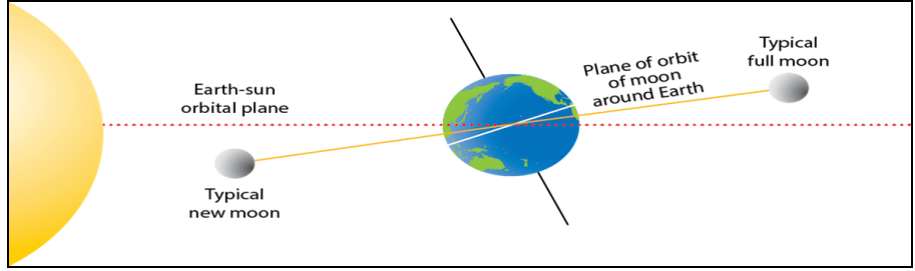
- **Astronomy Question of the Week:**
 - There's an apollo 11 discovery in the news! Check out these links! Here are some links:
 - You can see Buzz Aldrin's face now!
 - <https://www.dailymail.co.uk/sciencetech/article-7532859/Digitally-enhanced-photo-reveals-Buzz-Aldrins-smile-beneath-spacesuit-Apollo-11-landing.html>
<https://www.foxnews.com/science/apollo-11-buzz-aldrin-face-photo>



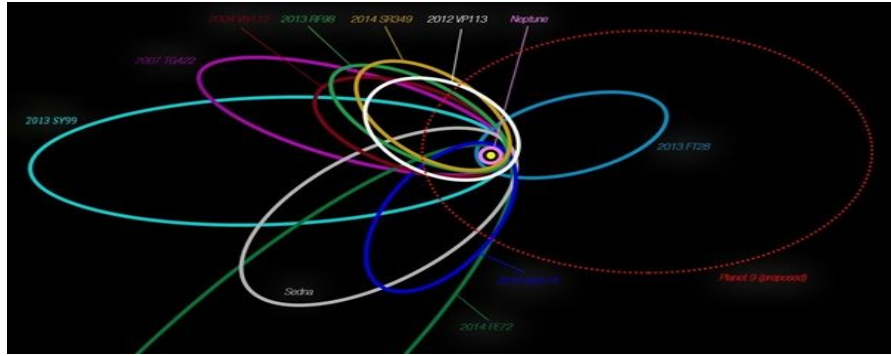
- Fake news or just naive?



- missions like the *Kepler Space Telescope*
- What does image mean to you? Can we actually “image” the atmosphere of an exoplanet? No, our technology isn’t quite that powerful to get it directly (Yet) so it seems a bit naive
- The noontime Sun is high during summer, How about the Full Moon at night? Since the Earth is rotating, a point in the Northern Hemisphere (while it’s summer) would experience the moon being lower!



- “Planet 9” in the news again! So some people think that it’s possible (which, it is) that Planet 9 might actually be a primordial black hole that’s the size of the baseball, based on the behavior of outer solar system objects (wack). It could still be out there, but it could also not be?



-
- What’s the cause? Where’s the Sun? Entrance to Holiday Inn in Long Beach, CA, Light shining through crack in entrance glass panels



-

- Next week's ISS!

| Date | Brightness (mag) | Start | | | Highest point | | | End | | | Pass type |
|--------|---------------------|----------|------|-----|---------------|------|-----|----------|------|-----|-----------|
| | | Time | Alt. | Az. | Time | Alt. | Az. | Time | Alt. | Az. | |
| 05 Oct | -1.3 | 19:22:10 | 10° | N | 19:22:59 | 12° | NNE | 19:22:59 | 12° | NNE | visible |
| 06 Oct | -0.9 | 20:08:54 | 10° | NW | 20:09:29 | 14° | NW | 20:09:29 | 14° | NW | visible |
| 07 Oct | -2.6 | 19:20:37 | 10° | NNW | 19:23:10 | 29° | NNE | 19:23:10 | 29° | NNE | visible |
| 08 Oct | -2.0 | 18:32:32 | 10° | NNW | 18:34:55 | 18° | NE | 18:36:58 | 12° | ENE | visible |
| 08 Oct | -1.0 | 20:08:40 | 10° | WNW | 20:09:54 | 19° | WNW | 20:09:54 | 19° | WNW | visible |
| 09 Oct | -3.8 | 19:19:56 | 10° | NW | 19:23:15 | 75° | SW | 19:23:52 | 54° | SSE | visible |
| 10 Oct | -3.6 | 18:31:27 | 10° | NW | 18:34:41 | 52° | NE | 18:37:55 | 10° | ESE | visible |
| 11 Oct | -1.2 | 19:20:09 | 10° | W | 19:22:37 | 20° | SW | 19:25:05 | 10° | S | visible |
| 12 Oct | -2.4 | 18:31:03 | 10° | WNW | 18:34:10 | 39° | SW | 18:37:16 | 10° | SSE | visible |



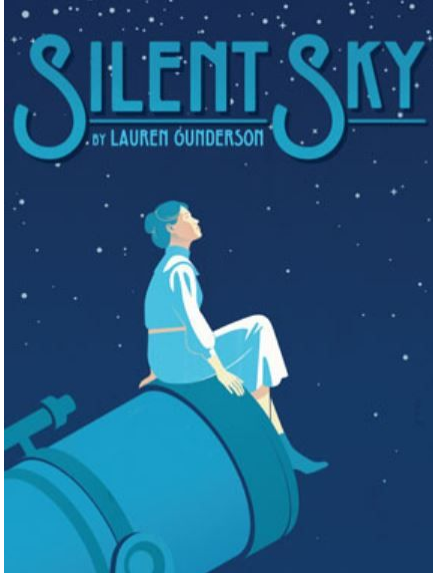
- Pleiades license plate on a subaru car



- **Astro News of the Week:** Presented by Emily Walla! 50 years of the Murchison Meteorite! Here's the link to the article:
<http://www.abc.net.au/news/science/2019-10-02/murchison-meteorite-50th-anniversary-1969-science-geology/11528644>
 - **Pls sign up y'all it's super chill and fun, the sign up sheet is out!**
- **Constellation Corner:** Presented by Sammie Mackie! This week is Capricornus-The Sea Goat! Check out the mythology behind it at
<https://www.constellation-guide.com/constellation-list/capricornus-constellation/>.



- **Star Parties:** The next one will be on October 17th at Himmel Park Library, and there will be one on October 24th at Lynn-Uriquides. There will be activities and telescopes at Lynn-Uriquides so we will need about 5-6 people for the event. The sign up sheets will be sent out soon.
- **Arizona Theater Company Presents, Silent Sky:** It is a production about Henrietta Leavitt, she helped classify cepheid variables as standard candles. It will be Friday October 25th-Saturday November 9th every night except for on Mondays. They've asked if we can do telescopes during intermission (~8:30-9pm). Sign up for any nights that you can. They're giving a free ticket to one of the preview shows (10/22,10/23,10/24). Doodle poll will be sent out, please let us know by next thursday night what we can cover!



- **Telescope Training/Demos/Movie Night:** This will be on October 18th after the club meeting. We'll watch a movie (poll to be sent out soon) and have pizza! After, we'll have groups to show how to set up/operate our telescopes and go through our demos/activities. You need to have completed this before volunteering for a star party!
- **Physics club:** Meets every other Wednesday at 5pm in PAS. Next meeting will be on October 16th.
- **Astronomy Majors Lounge:** Now in the dome! In the room right by the stairs on the ground floor!
- **Astronomers:** If you have a snack attack, look no farther than Astronomers! The unofficial Astro Club snack store on 3rd floor outside Parker on the bookshelf. It's restocked every week, and open to everyone, including faculty. Honor system payment
- **Please pay your dues!** They are \$10 a semester. They help provide funds for trips, snacks, cool activities, shirts, etc. Also if you want to attend one of our internal events such as the club picnic and the dishwalk, you need to have paid your dues!