

Meeting Minutes 3/23/18

- **ATOMM:** is still a thing, everyday 1-2:30pm in the Parker Library across from N305
- **TIMESTEP:** The next meeting will be Wednesday March 28th in PAS 218. The topic will be Resume Building and LinkedIn Workshop! Learn how to set up your resume to land jobs in industry! With pizza!
- **Student Research Opportunity: Black Holes**
 - Here's the link to the application: [Preview attachment PIRE Student Recruitment Flier March 2018 \(1\).pdf](#)[PIRE Student Recruitment Flier March 2018 \(1\).pdf](#)269 KB
 - If you have any questions, contact Rosie Johnson -> rosiejohnson@email.arizona.edu

Student Research Opportunity: Exploring Black Holes

All junior/senior undergrads interested in astronomy, physics, computer science, engineering, and/or math are encouraged to apply.



The PIRE project will engage undergraduates in the fascinating astrophysics of black holes and testing Einstein's theory of General Relativity. This opportunity is offered to junior and senior undergrad students and will begin April 2018. Both paid and for-credit assistantships are available.

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- **Don's Question of the Week**
 - Very bright optical transient near the Trifid and Lagoon Nebulae, object was visible throughout the duration of the observation.
<http://www.astronomerstelegam.org/?read=11448>
 - The object was actually Mars (lol)
 - Apparently it was observed around 2 in the morning in Cape town (aka this person could have been very drunk when they saw this)
 - Upcoming events: ISS tonight and Saturday, Mercury and Venus, iridium flare ($v = -7.3$) - Tuesday evening, Tiangong-1 atmospheric entry

Date	Brightness (mag)	Start			Highest point			End			Pass type
		Time	Alt.	Az.	Time	Alt.	Az.	Time	Alt.	Az.	
22 Mar	-1.5	04:37:39	17°	SE	04:37:39	17°	SE	04:38:32	10°	SE	visible
22 Mar	-3.0	19:32:25	10°	SSW	19:35:19	30°	SE	19:36:14	25°	E	visible
23 Mar	-2.4	20:16:25	10°	WSW	20:19:29	36°	NW	20:20:08	32°	N	visible
24 Mar	-3.8	19:23:57	10°	SW	19:27:12	83°	NW	19:30:29	10°	NE	visible
25 Mar	-0.9	20:09:28	10°	WNW	20:11:37	16°	NW	20:13:47	10°	N	visible
26 Mar	-1.8	19:16:17	10°	WSW	19:19:12	29°	NW	19:22:06	10°	NNE	visible
28 Mar	-0.9	19:09:35	10°	WNW	19:11:19	13°	NNW	19:13:03	10°	N	visible

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- Odd Shadows in Parking Lot - (taken at night) There are vertical and horizontal stripes in the shadows. Why? Don was in the Matrix (jk) The overhead light shining through the tree had individual LED lights and each light cast a separate shadow through the trees
- By what fraction does gasoline consumption fall due to driving 55 mph instead of 65 mph? Energy = (force) * (distance), $E \sim (pAv^2) * (d)$. Fractional Change, for constant distance, E is proportional to v^2 , going from 65mph to 55 mph is a ~15% drop. So, energy consumption should drop 30%
- **Astro News of the Week:** Presented by Ryan Webster! Yerkes Observatory is closing its doors. The primary lens in the 63 foot telescope is 40inches. It's so big that when the telescope swings around the floor moves up and down. Hopefully, someone will pick it up and maintain it.
<http://www.astronomy.com/news/2018/03/yerkes-observatory-is-closing-its-doors>
- Don't forget to sign up for Astro News of the Week! Talk about the cool space happenings!
- **Star Parties:** We have a star party on March 29th at Donaldson Elementary from 5:30-7pm.
- **Laser Fun Day!** Will take place on April 7th 10am-3pm. There are enough volunteers for it, but you should still go if you're available that weekend!
- **Telescope Observing at Steward:** It's still a thing! Monday-Thursday, 7:30-10pm!



- **Pay yo dues:** \$10 per semester. Due it.

- **Comments? Ideas? Suggestions?** Do you have any suggestions for how we could make Astro Club even greater? Please send any ideas anonymously through the google poll.



ETCETERA
05.05.2018 | 1:30PM & 7:30PM
05.06.2018 | 1:30PM

TICKETS
ADVANCE:
\$15 GENERAL
\$10 STUDENT/SENIOR
AT THE DOOR:
\$18 GENERAL
\$12 STUDENT/SENIOR

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