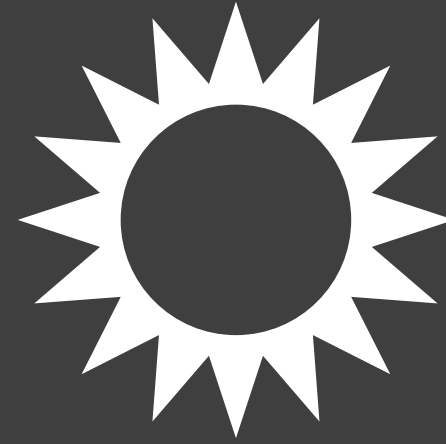




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Fun fact: the Sun is made of mostly hydrogen and helium. If you could put it in a very big pool, it would float!



Objects in the Sky

Alyssa Bulatek
Astronomer and graduate student







Credit: Ganapathy Kumar



Credit: Robson Hatsukami Morgan





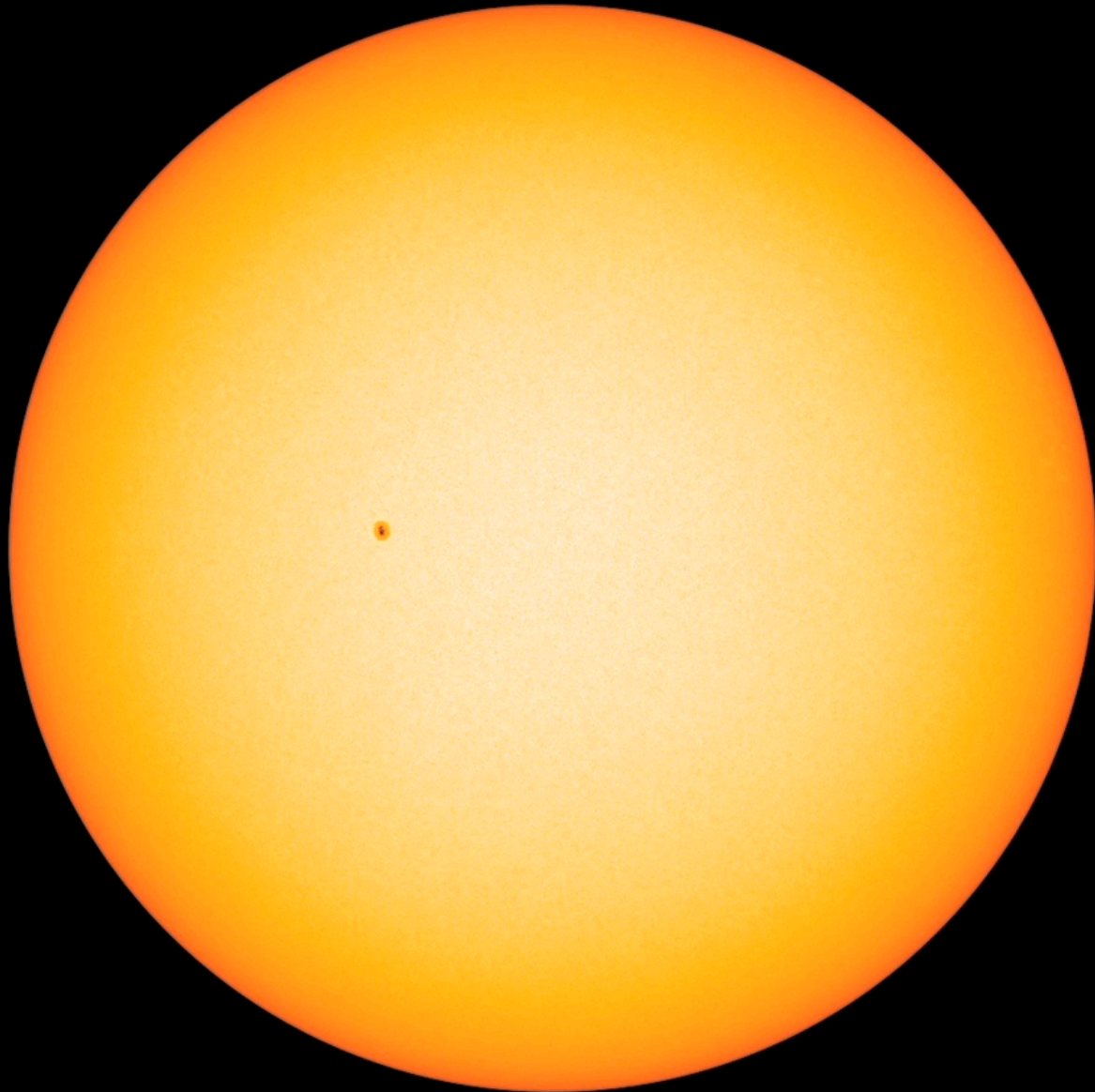
What is a star?

- Stars are the most numerous objects in the night sky!
- Stars usually **twinkle**
 - *Planets don't*
- Stars can look bluish, or reddish, or just white
 - *White stars are like our Sun*
 - *Blue stars are hotter*
 - *Red stars are cooler*

Credit: Adrian Pelletier



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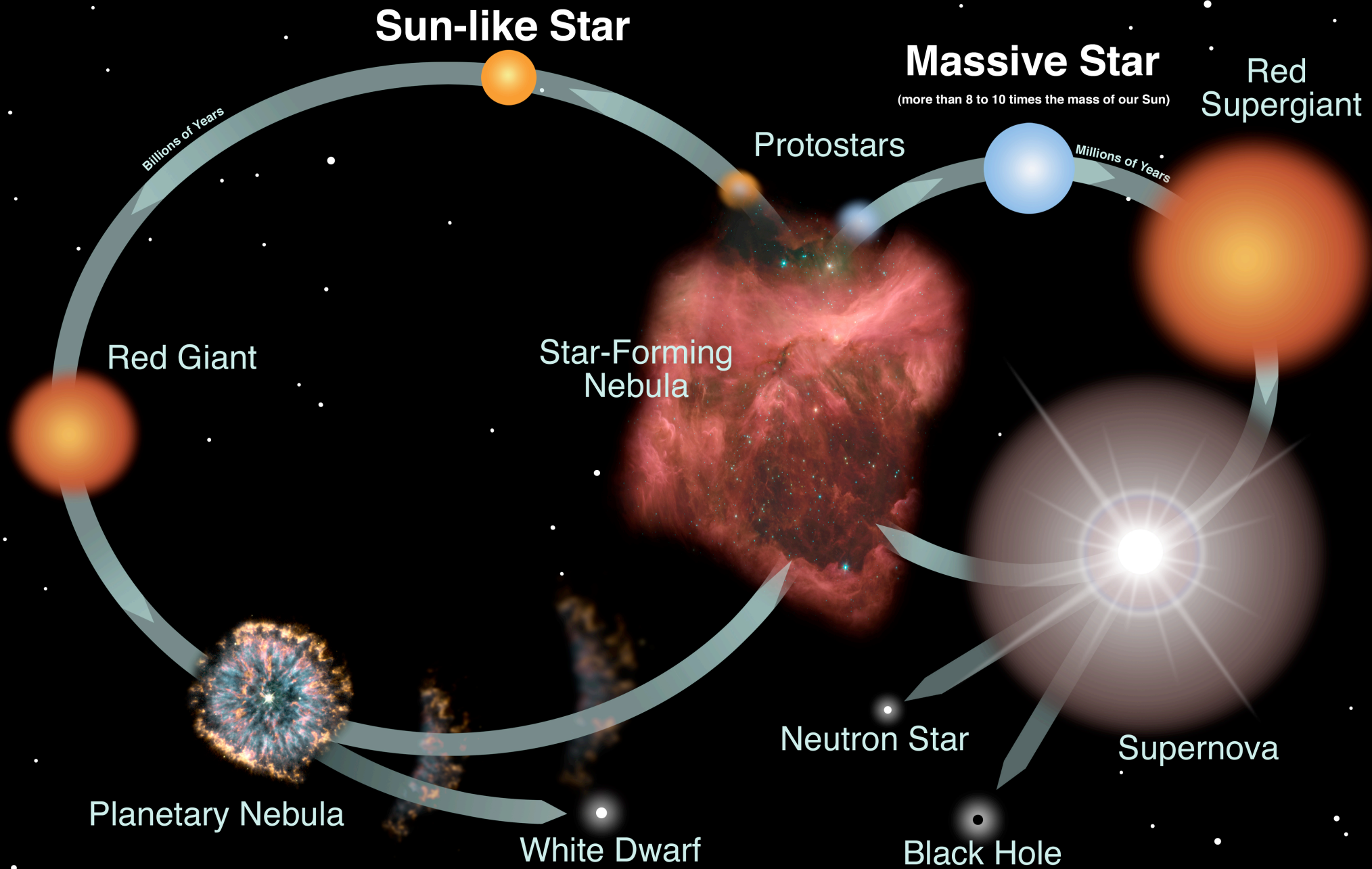
SDO/HMI Quick-Look Continuum: 20170914_161200

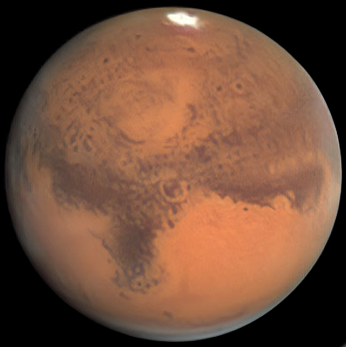
The Sun

- The only star we can see during the day
- Usually a very **active** surface
- Over one billion Earths could fit in the Sun!



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Credit: Damian Peach



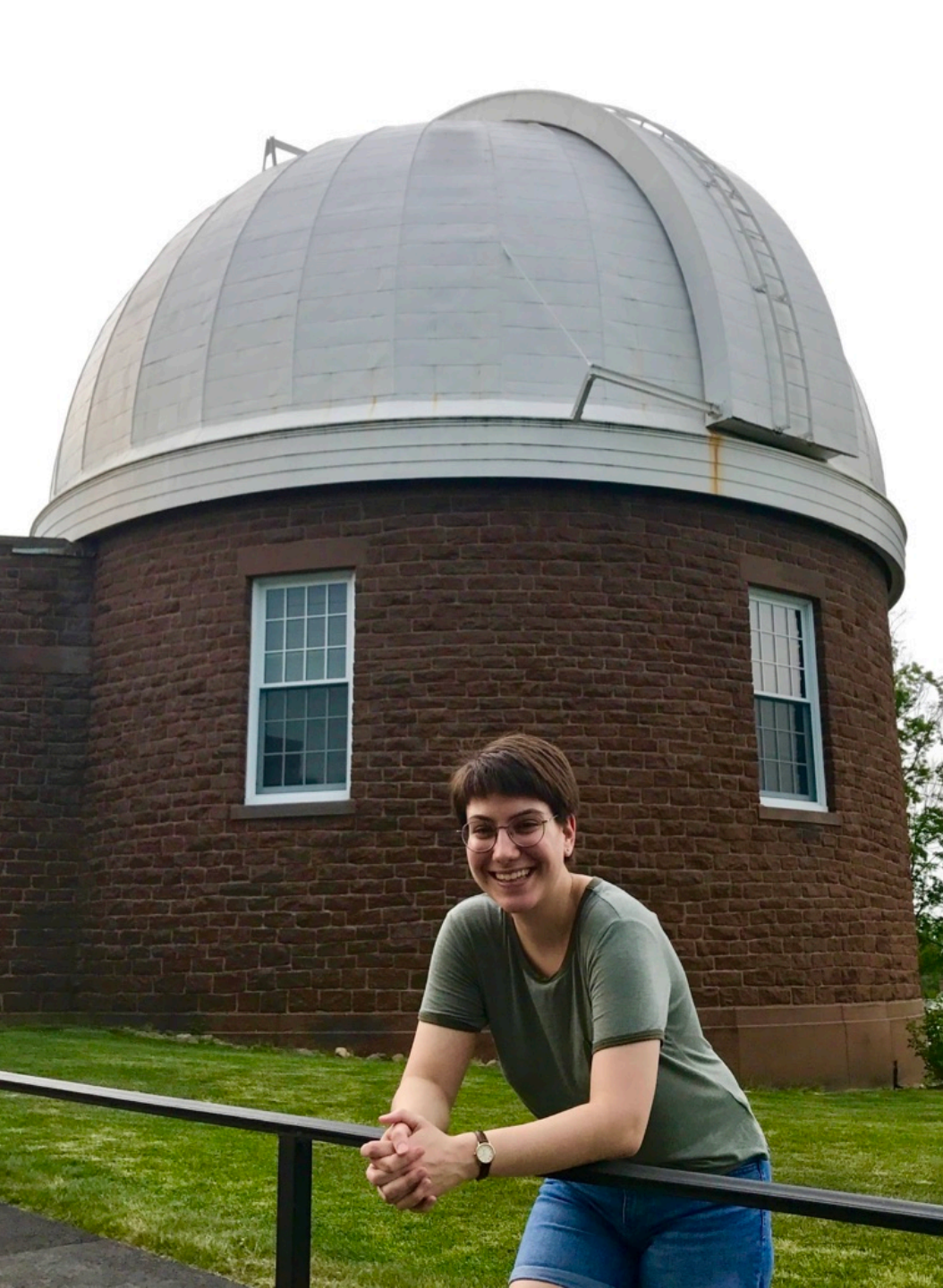
Credit: Sean Walker



Credit: Prokhor Minin

Other night-sky objects

- Planets don't twinkle
 - *Mars*
 - *Jupiter*
 - *Saturn*
 - *Uranus and Neptune also cool!*
- **Transient** objects (only in the sky for a short time)
 - *comets*
 - *meteors*
 - *satellites*



Astronomy and me!

- When I was in first grade, I wanted to study fish!
- In high school, I liked chemistry and physics more than biology
- I study **baby stars** and the areas in which they are born
- My favorite parts of my job are telescopes and teaching



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Big ideas

1. There are so many **stars** in the sky that we can't count them all!
2. The **Sun**, our star, drowns out the light of other stars that are much further away.
3. The **color** of a star tells us about how hot the star is.
4. **Astronomy** is a really cool science!



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Learn more:
bit.ly/SEFSsite



Thank you!

I am happy to answer any
questions you have!

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