

Lab #3 – Nebulae, Galaxies, and More...



Next Lab: Colour-Magnitude Diagrams



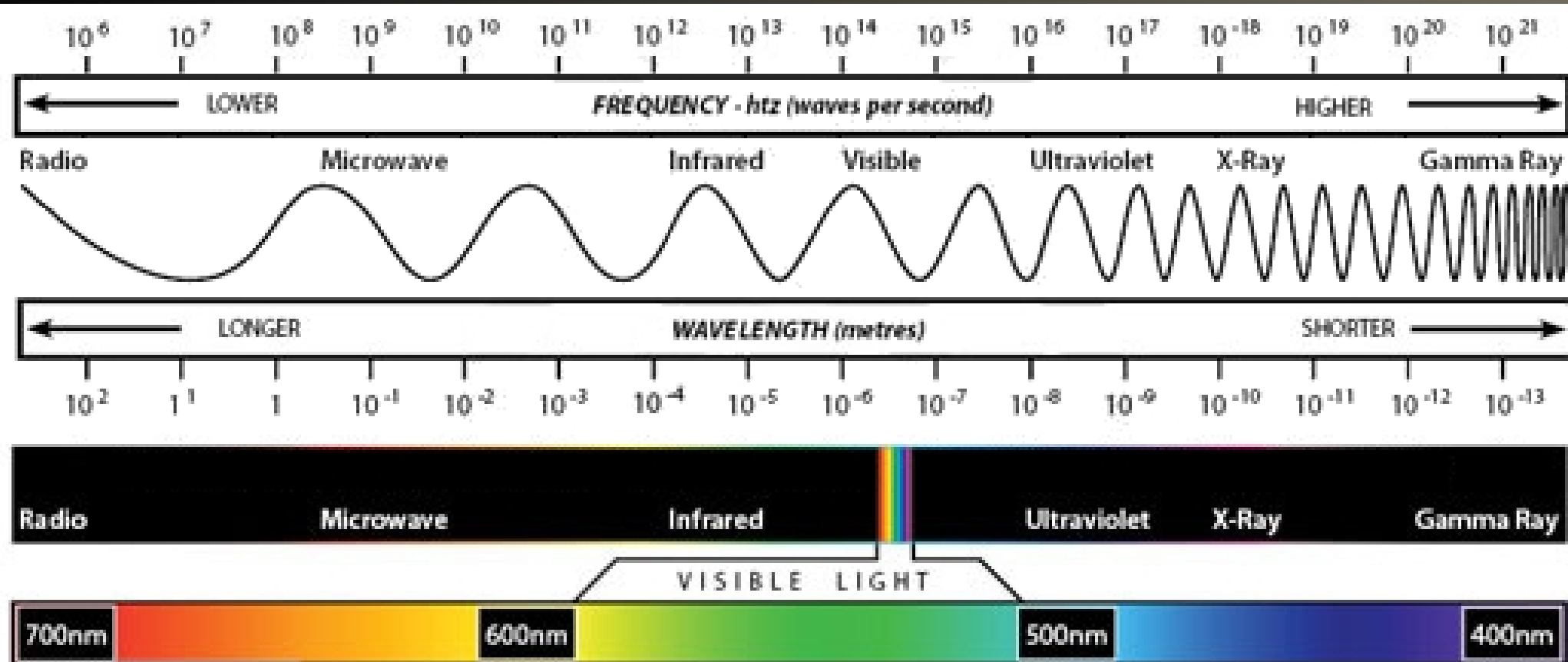
Why are we doing this lab?

Last time, we discussed how we use spectra to find properties of distant stars and galaxies. Now, we're going to explore imaging.

Imaging measures how much of a certain type of light a star/object has. With imaging, we can find other properties!

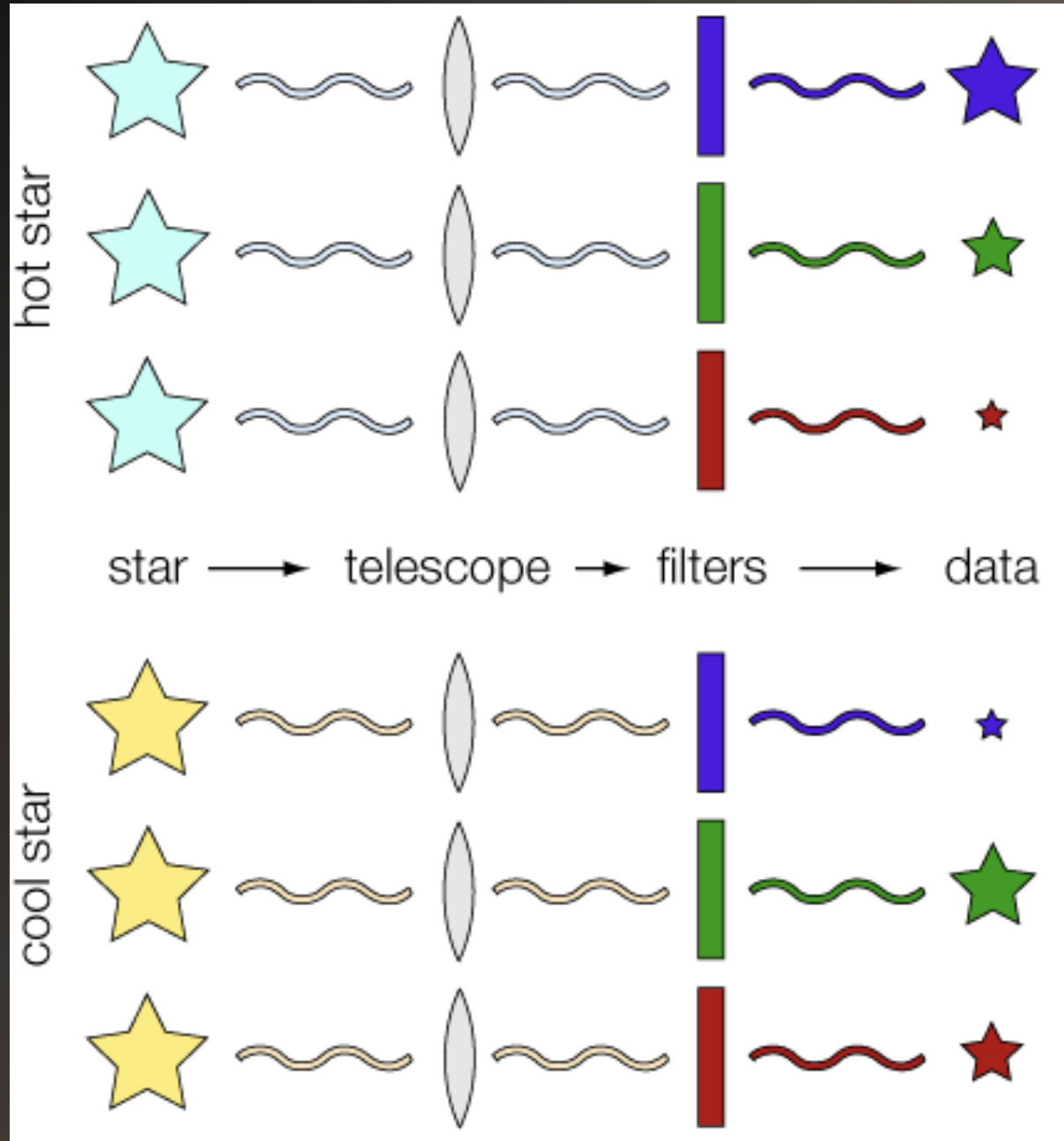
What is imaging?

Imaging is how much light of a certain wavelength you get.



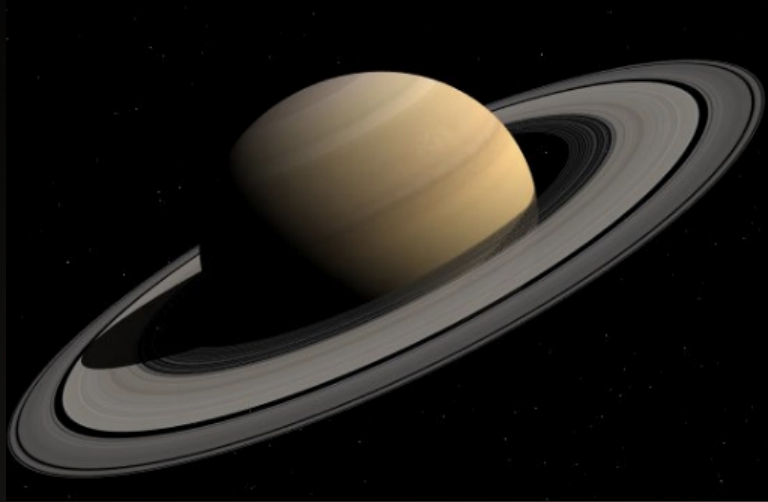
What is imaging?

Imaging is how much light of a certain wavelength you get.



What is imaging?

So those pretty Hubble images are a mosaic of red, green, and blue.



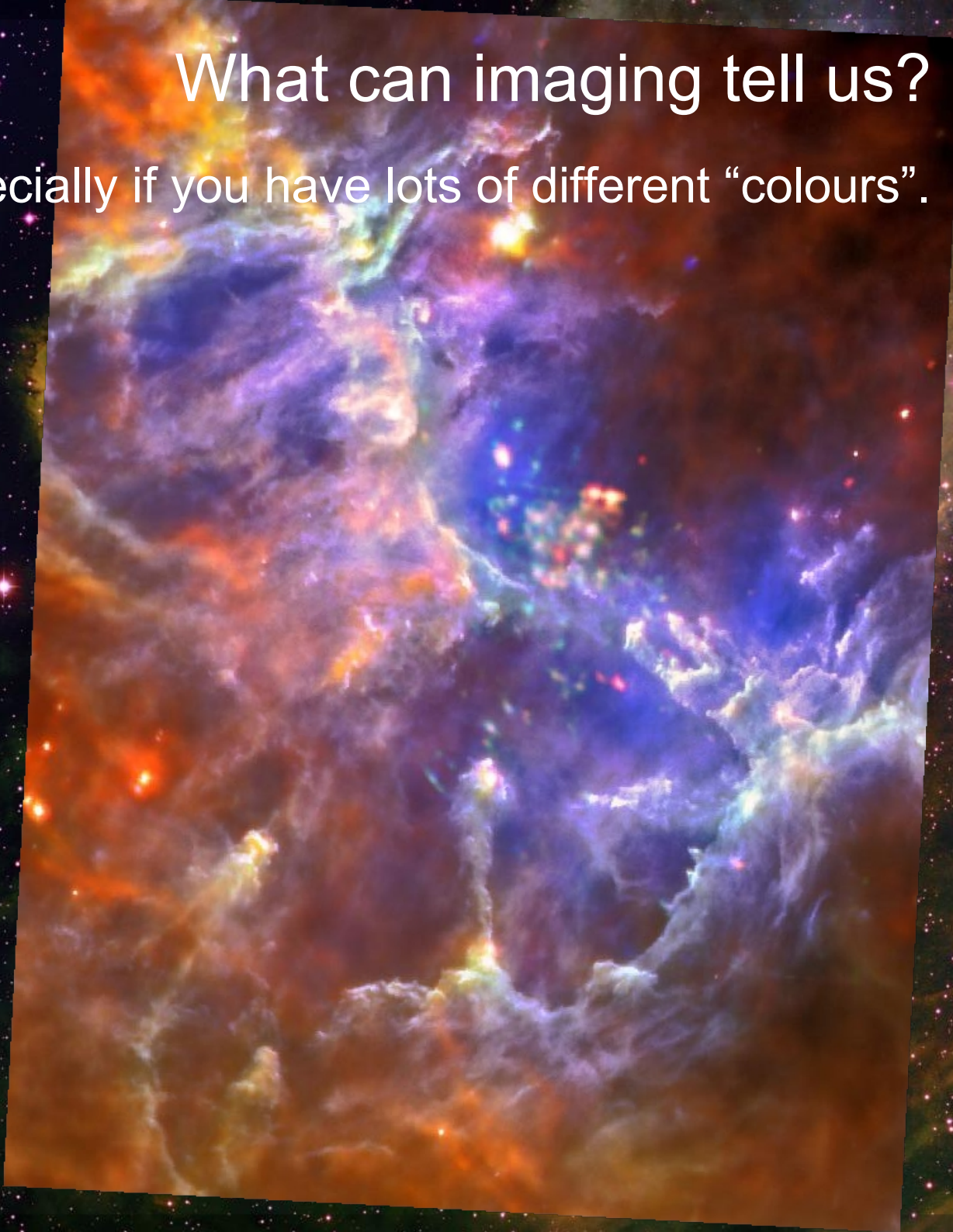
What can imaging tell us?

Lots! Especially if you have lots of different “colours”.



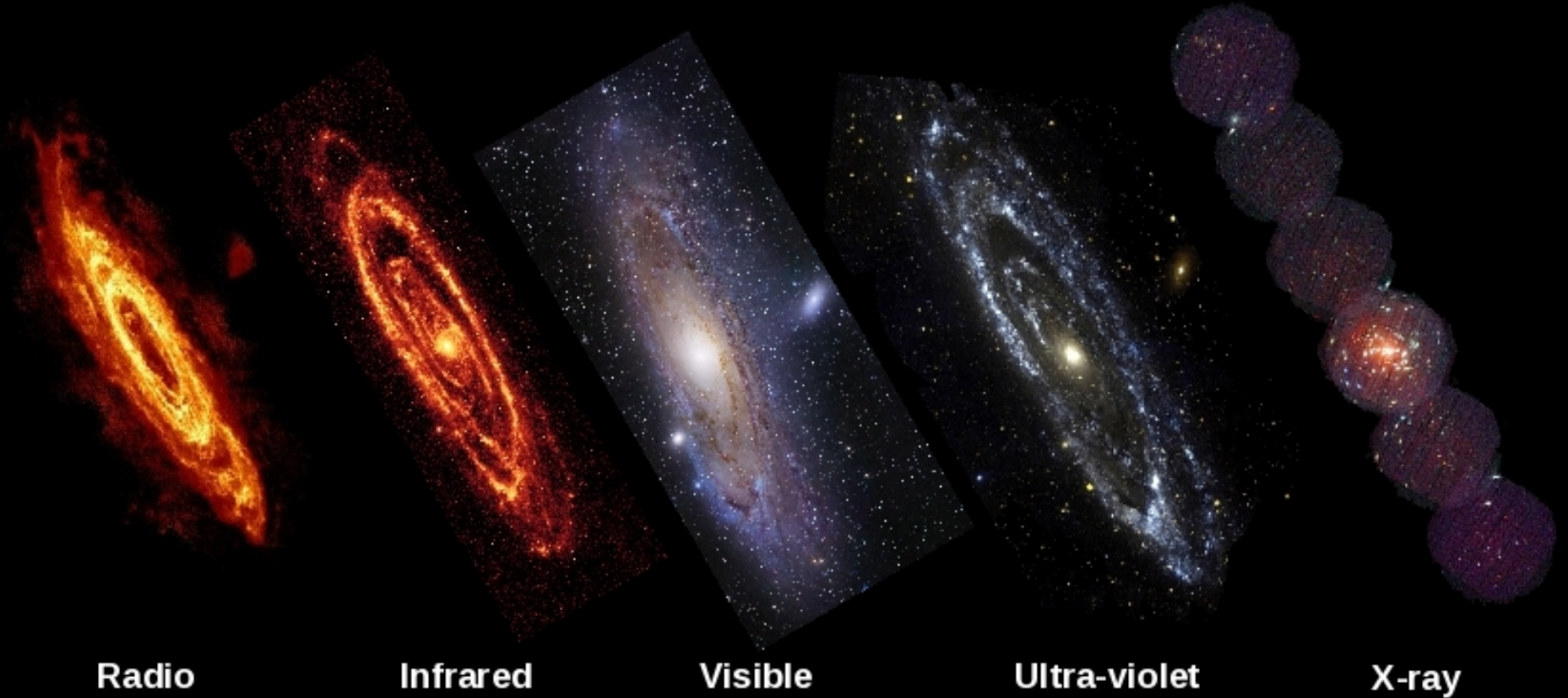
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For this Lab

- you use Google Sky to explore different aspects of the sky
- use different filters to explore!!!!