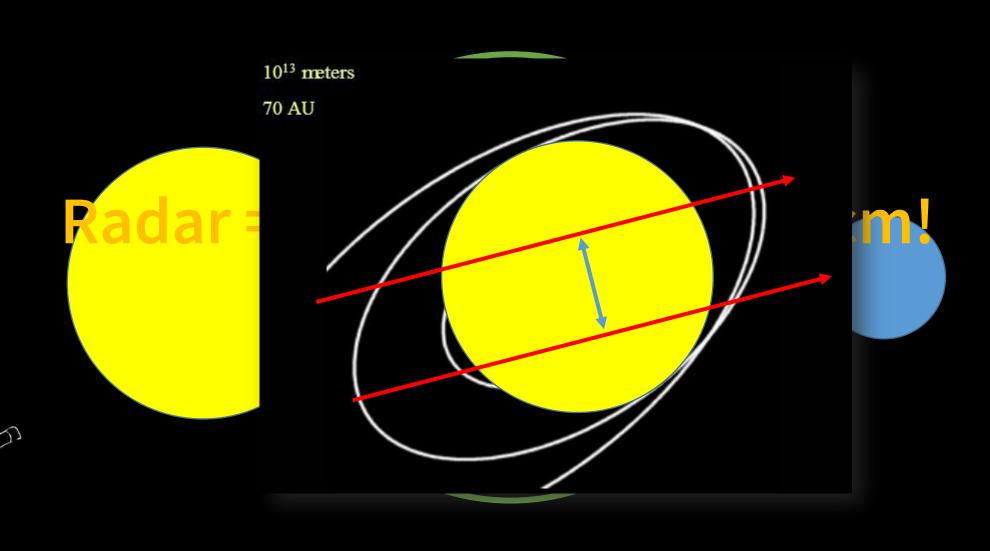
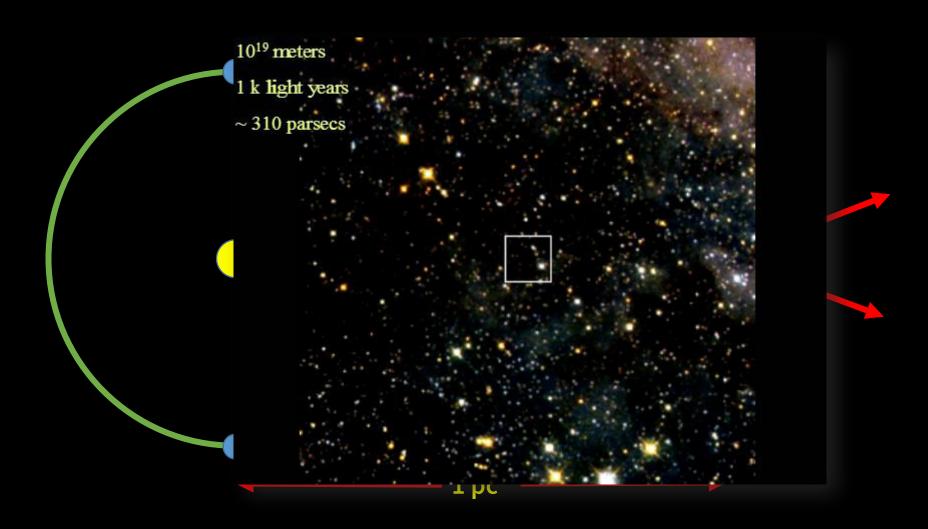


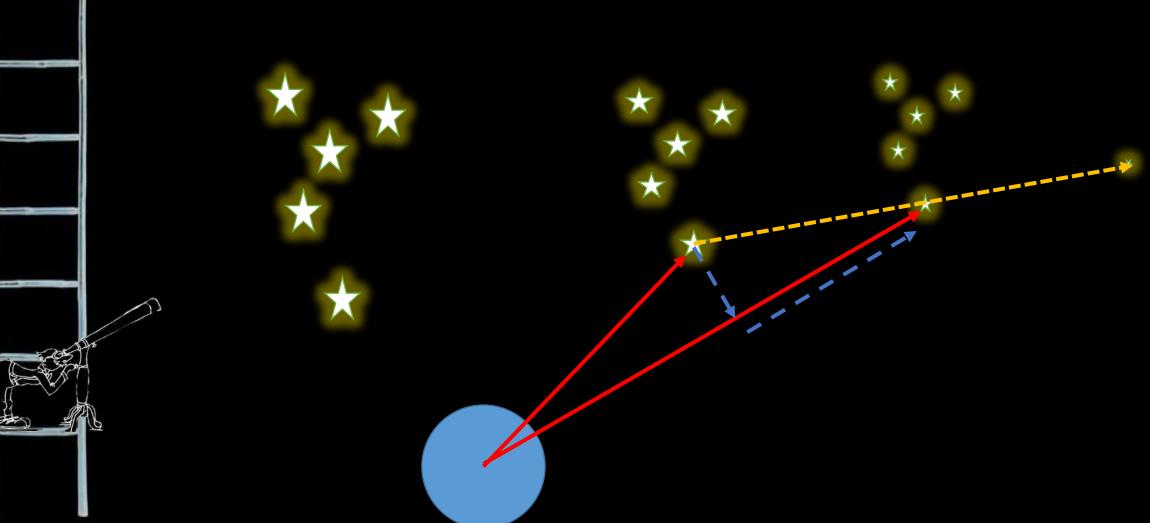
#### **Direct Measurement**



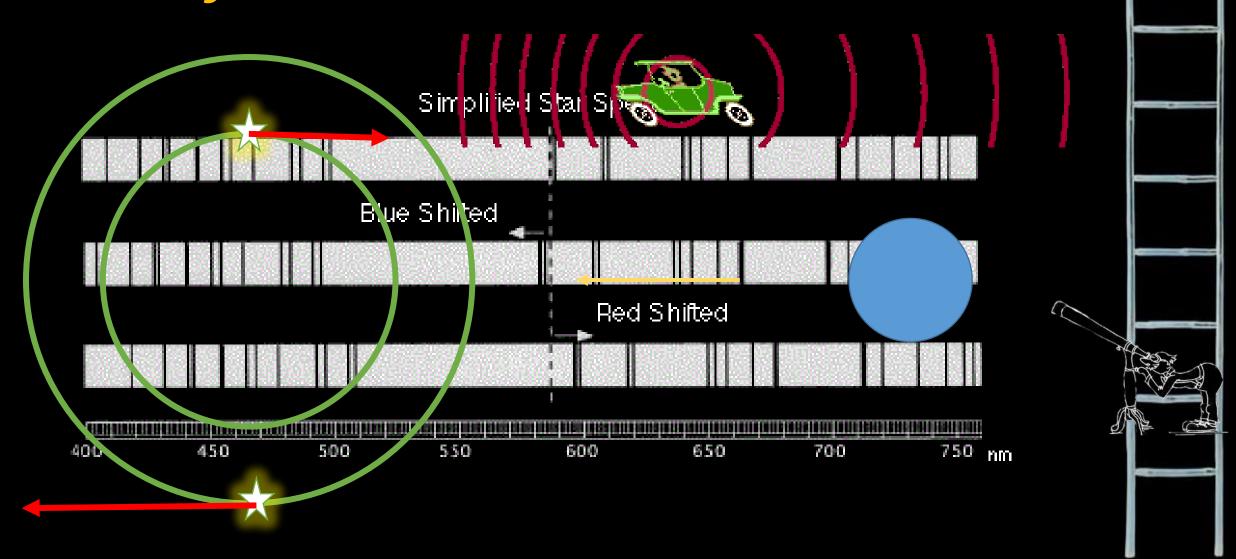
## **Beyond the Solar System**



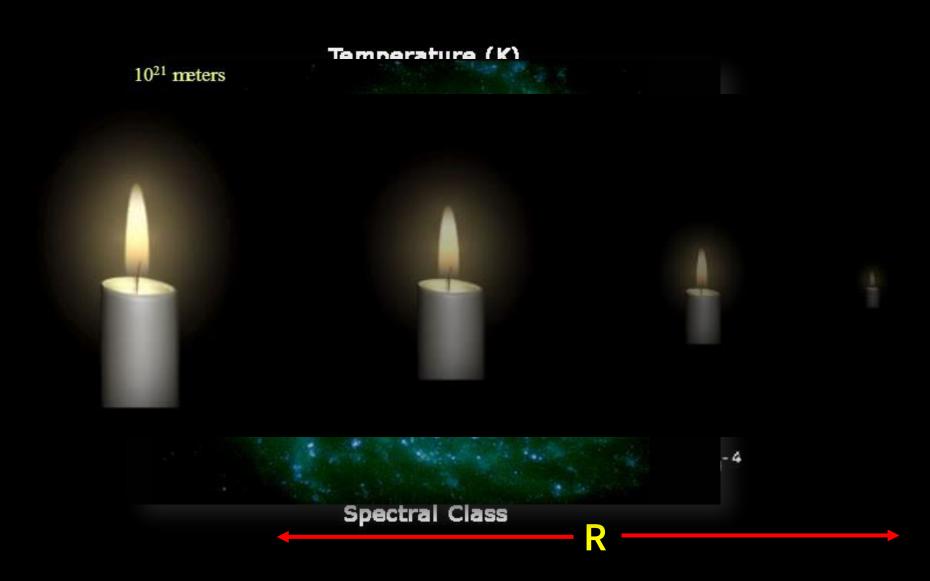
# **Moving Clusters**



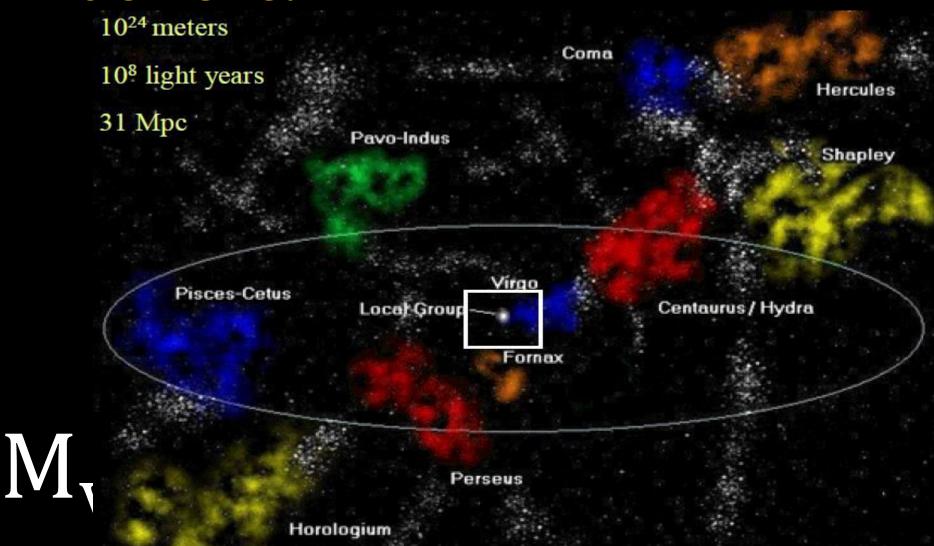
## Far beyond



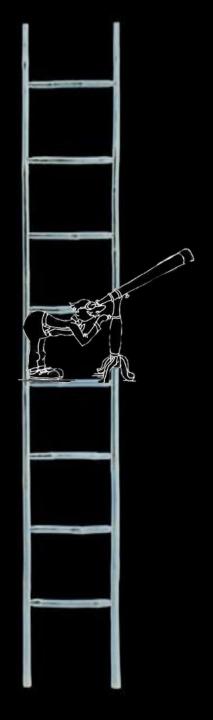
### Let there be some light



#### What next?



.05

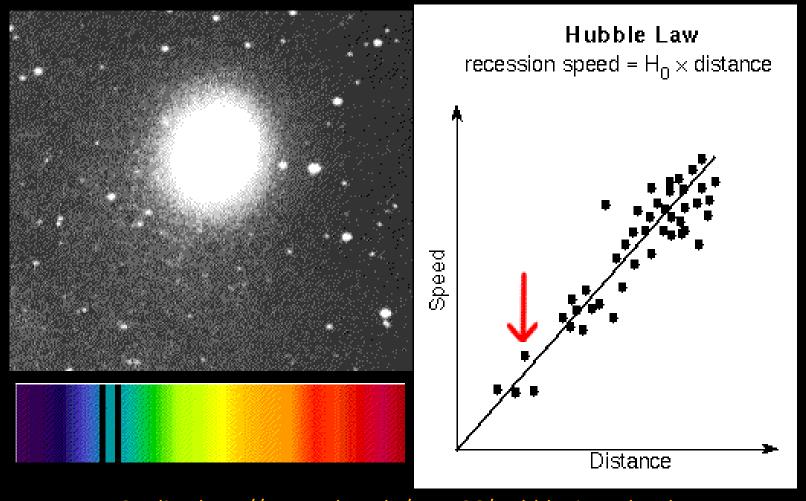


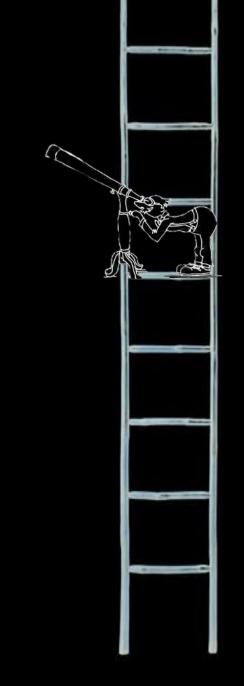
#### Supernovae!



Credits: Saul Perlmutter: Supernovae, Dark Energy, and the Accelerating Universe http://supernova.lbl.gov/PDFs/PhysicsTodayArticle.pdf

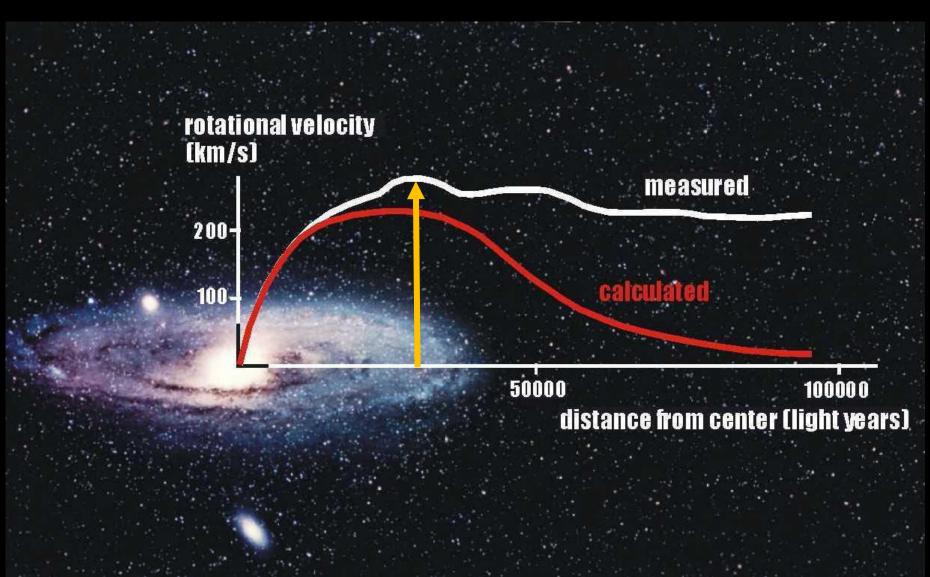
#### **Extreme Distances**

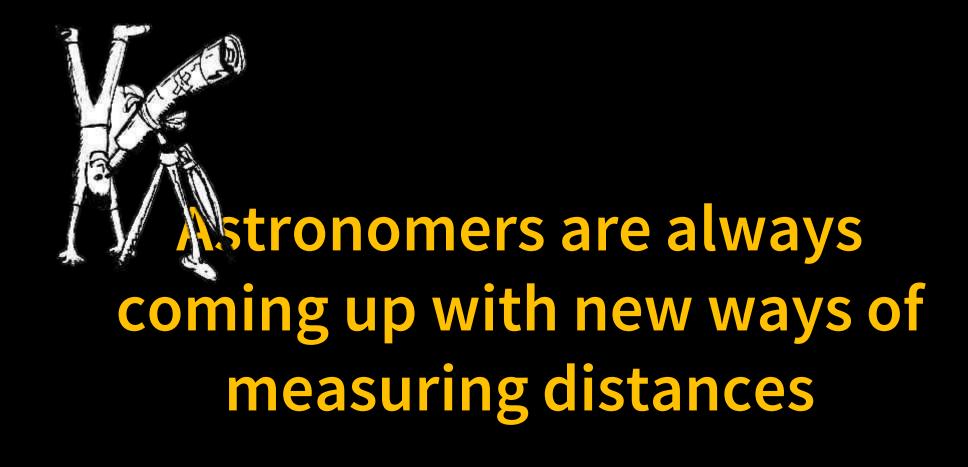




Credits: http://astro.wku.edu/astr106/Hubble\_intro.html

#### **Rotation Curves**





## Questions?

NO aliens, UFOs or God please! ©