

















Sunspots are the sites of big explosions (solar flares and coronal mass ejections)







The Lesson for Other Stars

- Do they also have sunspots, sunspot cycles, etc?
- How does all this (magnetic fields, solar wind, rotation) relate to the age of a star?

Telescopes



The instruments we use to study the universe



Telescopes do two things:

- Collect "Big Piles" of light
- Magnify object (it looks a lot closer than it is)





- Refractors
- Reflectors
- Radio telescopes
- · None of the above



















Resolution: How small detail can you see with a telescope?



Resolution: smallest angle measurable

Angle=wavelength/diameter(telescope) (radians)





