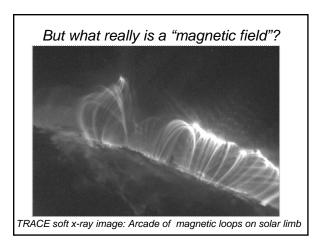
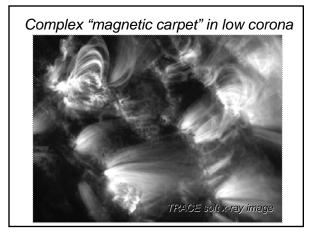
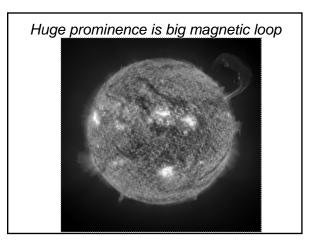


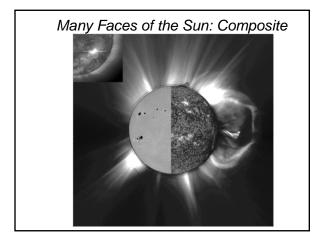
Summary Clicker -- Solar Wind E.

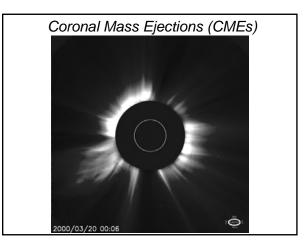
- What are visible effects of the Earth being "bathed" in the wind of solar particles, especially when wind has <u>strong hiccup</u>?
- A. "Auroral lights" visible at night
- B. Electric power grids have problems
- C. Short-wave radio talk interrupted
- D. Satellites (and beepers) may get fried
- E. All of the above

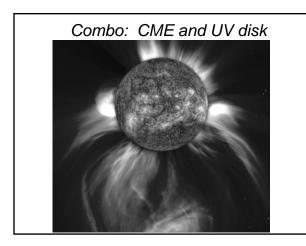


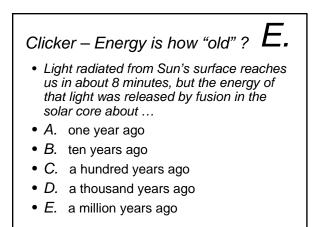


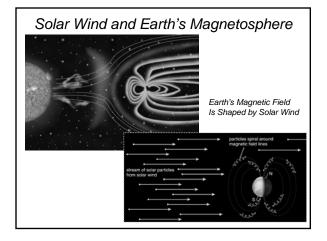


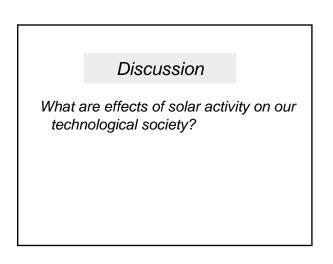


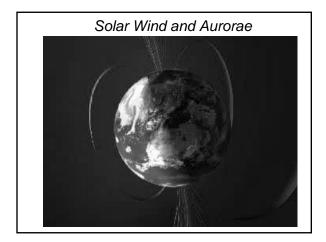


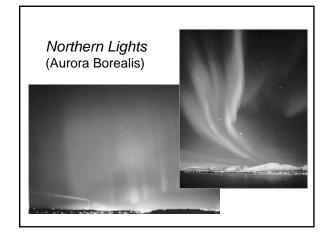


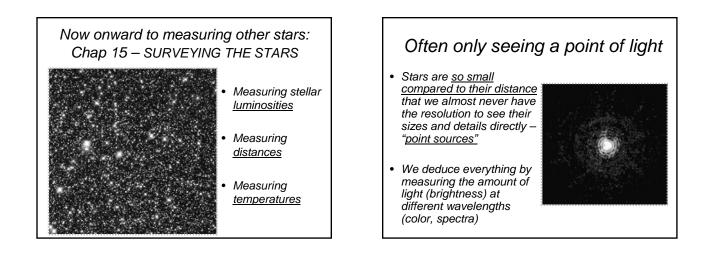




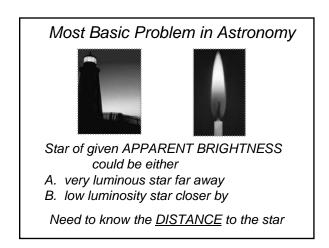


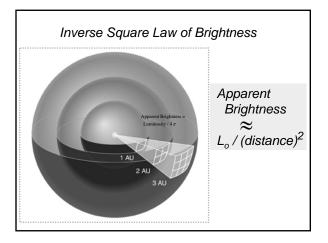


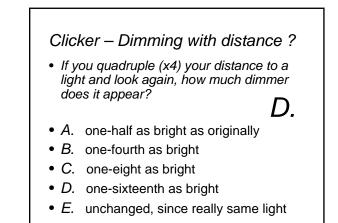


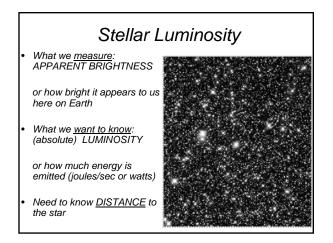


	WHAT CAN WE MEASURE IN OTHER STARS ?
So what can we find out about other stars?	1. <u>АРГАРЕНТ ВРІСНТИЕS</u> (OC INTENSITY) МЕРГЛАБО IN FULIM WITS CAULO "МАКНІТИС" ⇒ LUMINOSITY , IF KNOW DISTRNCE
APPARENT BRIGHTNESS	Recall invirate source law BRIGHTNESS ~ <u>1</u> or Rout source ~ (JISTANCE) ² 2. <u>POSITION</u> (AND CHANGES OF IT WITH TIME)
POSITION	2. <u>1001/1014</u> (Риг станкы он П. Штитине) ° PARALLAX => Distance ° PROPO2 Мотюм
SPECTRUM	3. <u>SPECTRUM</u> (MEASURE HT SHAFE & SPECTRULLINES) ⇒ TEMPERATURE OF SUBFACE
	→ COMPOSITION (WHICH ELEMENTS CAN BE SEEN) Vin <u>Donuel Sinft</u> of Lines : Radial Velocity Rotation Wa Zeeman Stutting of Lines : Magnetic Fieuds





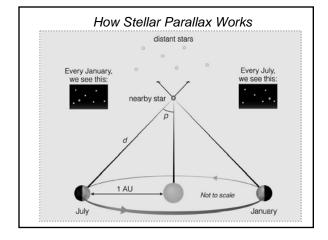




Parallax - to determine distance

- o Measure the <u>apparent</u> <u>movement of stars</u> over a year
- o Movement is caused by Earth's movement around the Sun
- o Closer objects will move more than farther objects





Class self-demo of parallax Your nose is the Sun Your left eye is the Earth in January

• Your right eye is the Earth in June

Watch the apparent motion of your thumb against a distant reference point (repeat at arm's length)

Which <u>"move" more</u> -- closer or farther objects?

