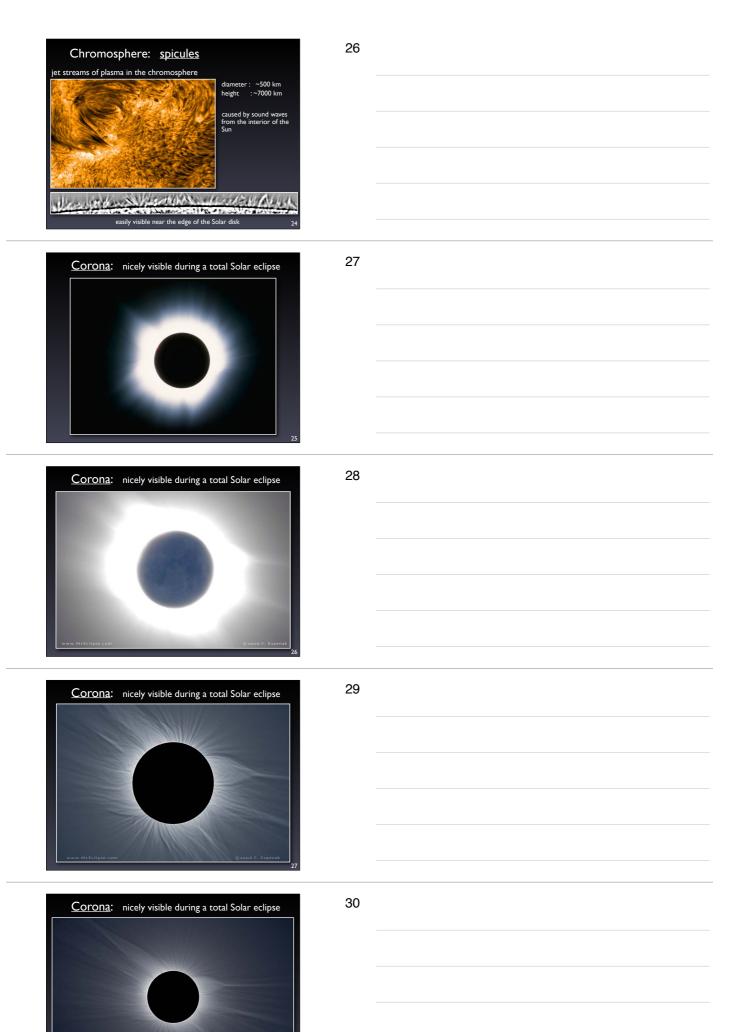
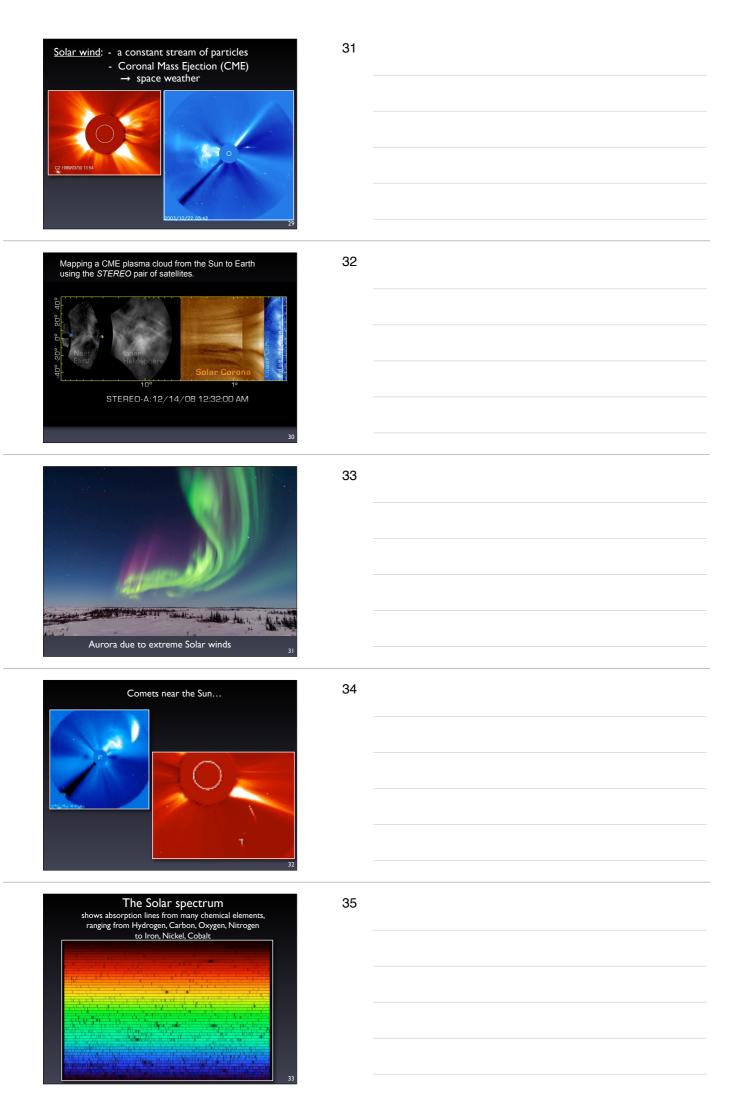


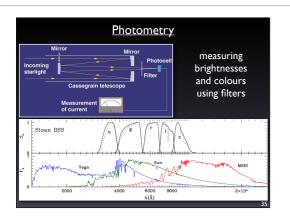


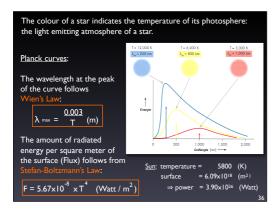
5			

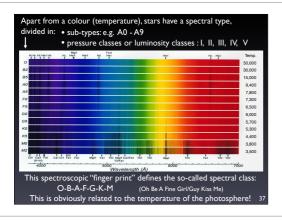


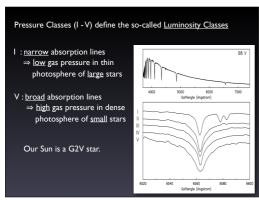


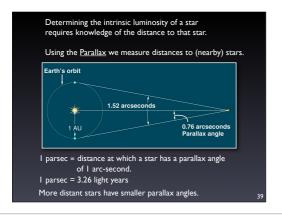




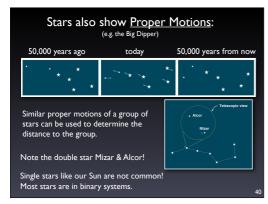


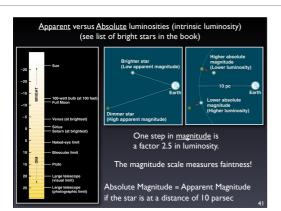








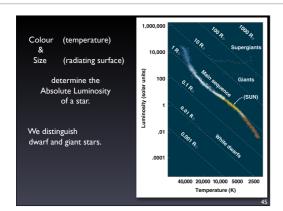




Star		Apparent magnitude	Distance (light years)	Absolute magnitude	Туре
Sun		-26.72	-	4.8	G2V
Sirius	( $\alpha$ CMa)	-1.46	8.6	1.4	AIVm
Canopus	(α Car)	-0.72	74	-2.5	A9II
Arcturus	(α Boo)	-0.04	34	0.2	K1.5III
Rigel	(β Ori)	0.12	1400	−8. I	B81ae
Betelgeuse	(α Ori)	0.50	1400	-7.2	M2lab
Aldebaran	(α Tau)	0.85	60	-0.3	K5III

Herzsprung- Russel diagram	-10 - 1,000,00	00
shows the relation between	-5 Supergiants 10,000	ı
LUMINOSITY (absolute magnitude)	o - Giants 100	
and	Mann sequence (SUN)	
SURFACE TEMPERATURE (colour or spectral type)	+10 White dwarfs01	
Our Sun is a star on the	+150001	
<u>Main Sequence</u>	O5 B0 B5 A0 A5 F0 F5 G0 G5 K0 K5 M0 M5 Spectral type 50,000 10,000 6000 3000 Surface temperature (K)	

our Sun is a G2-V star



47



48

