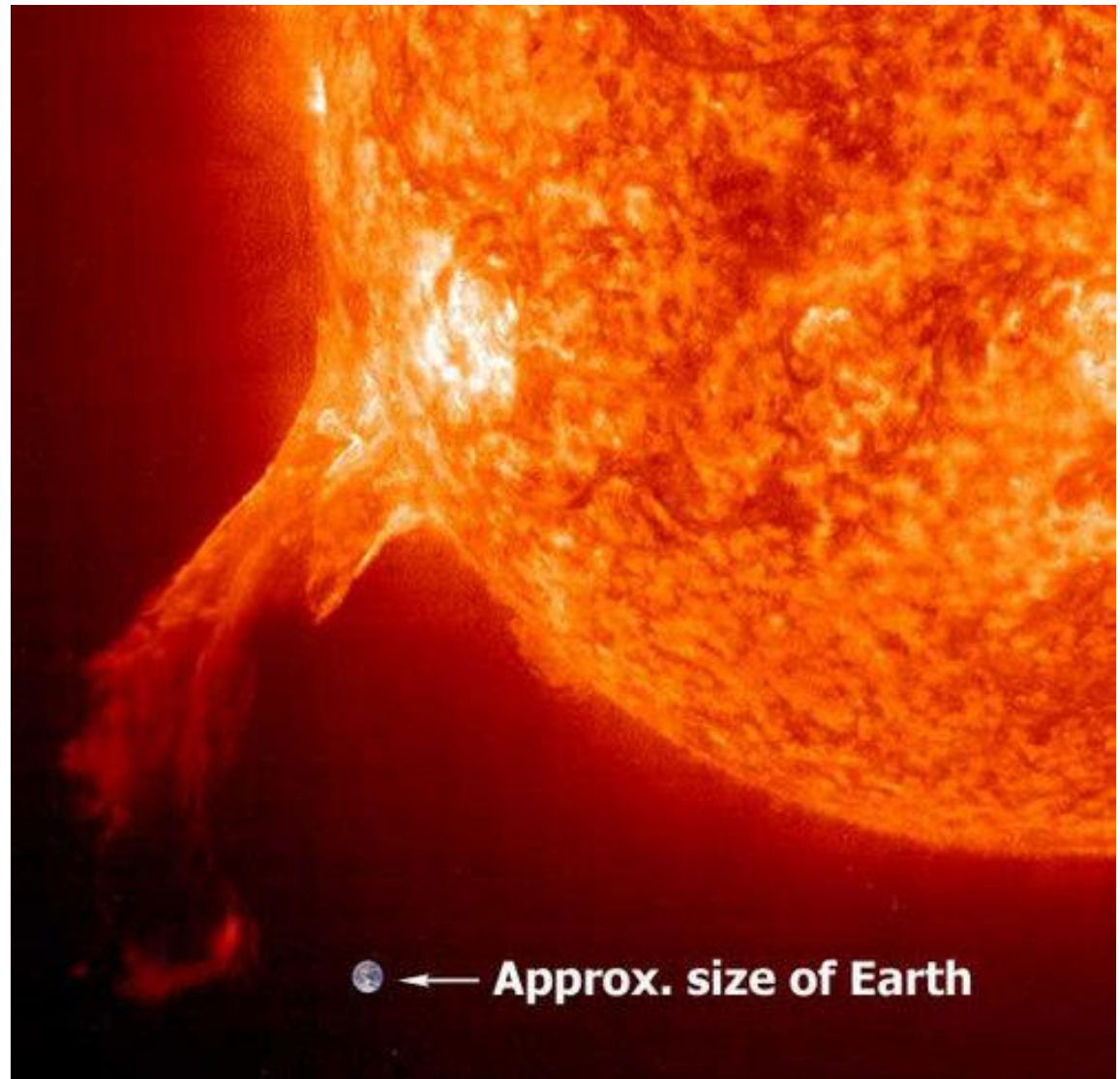
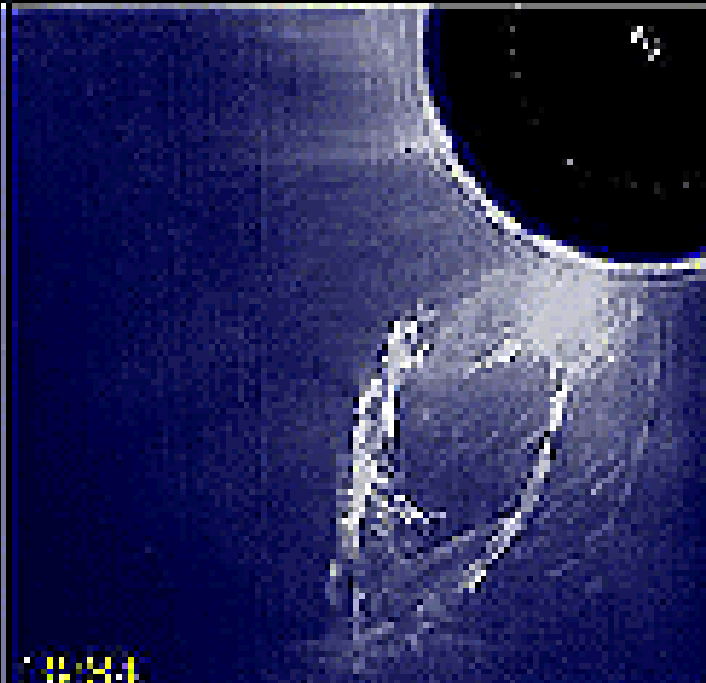
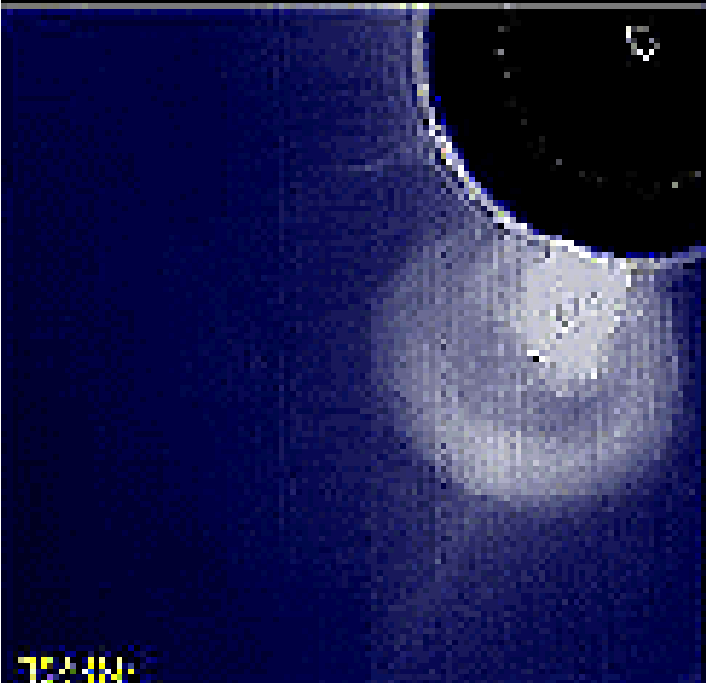
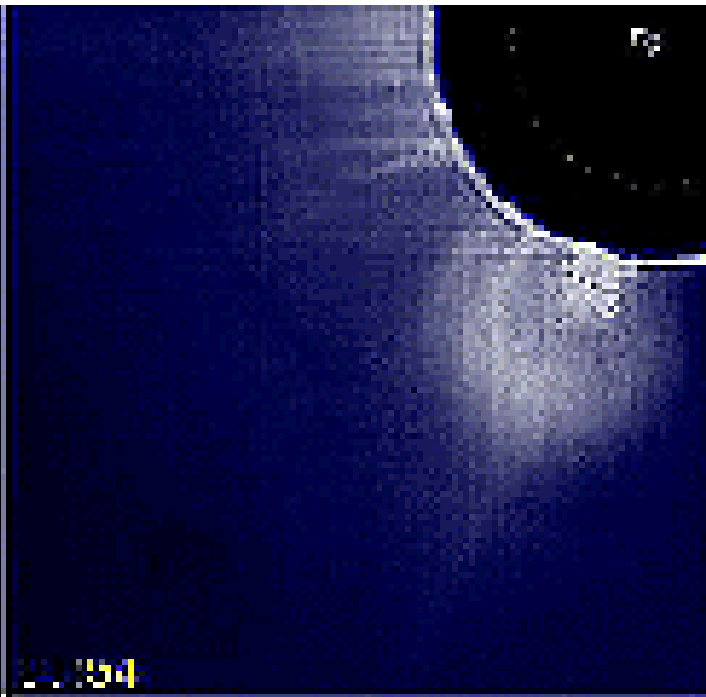
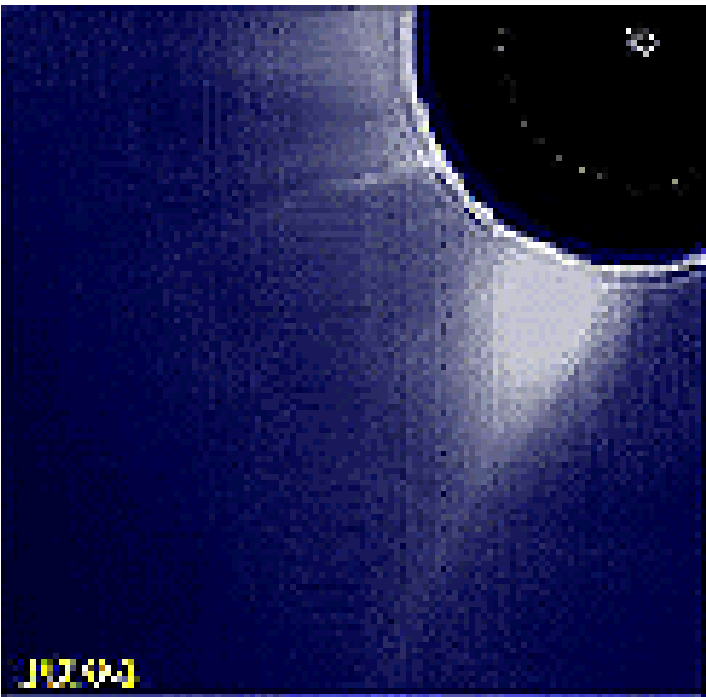


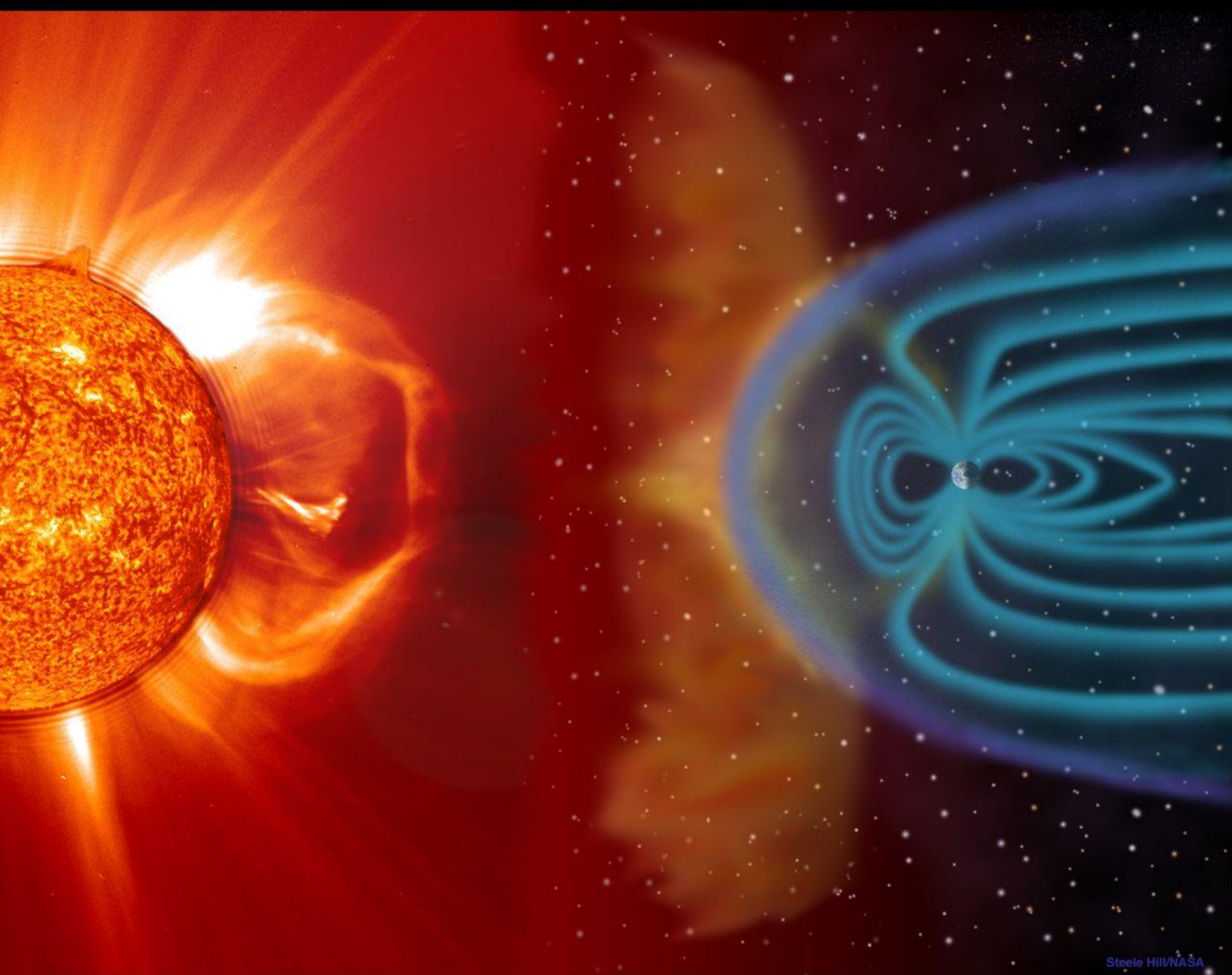
Solar Events and Effects

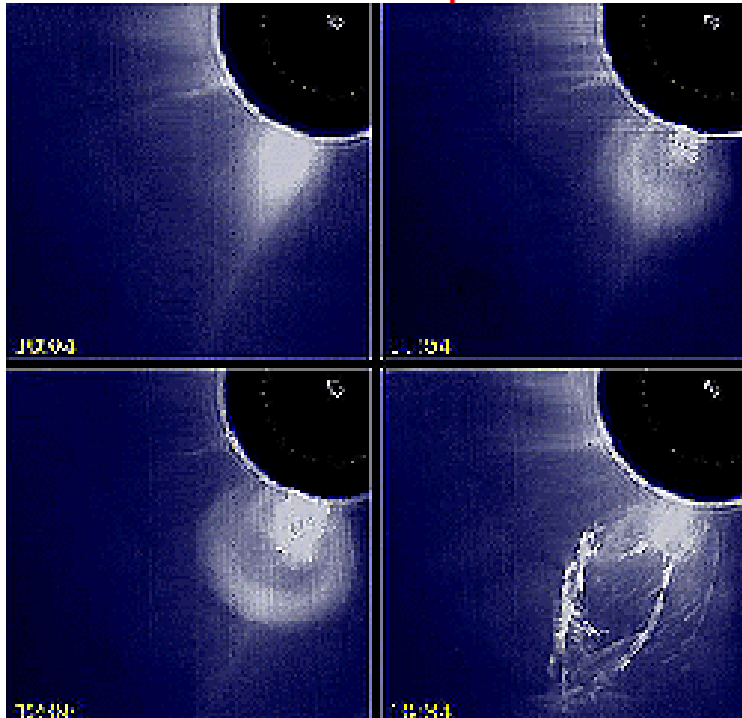
1. Nuclear fusion
2. Radiative zone
3. Convective Zone
4. Chromosphere
5. Corona
6. photosphere







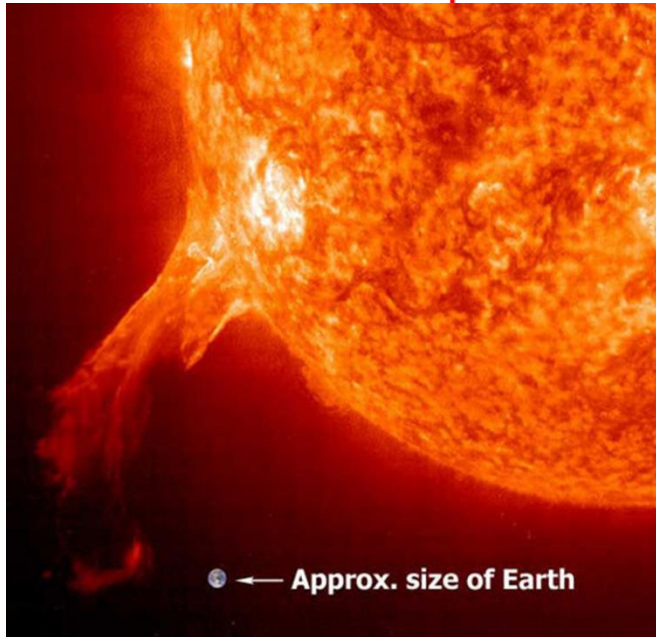




Solar Events

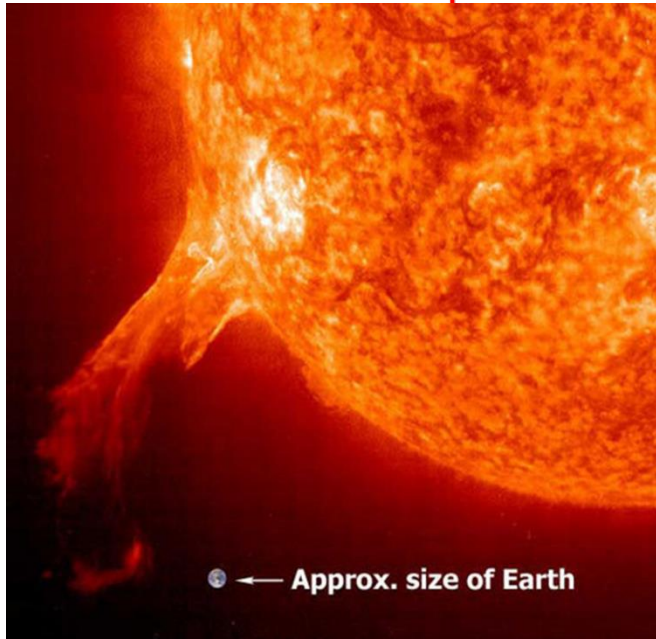
- ✳ Phenomena that occurs on Sun that have been observed from Earth.
- ✳ Most involve the photosphere
- ✳ Most are related to magnetic fields on the Sun
- ✳ Radiation or charged particles are released.

Solar Events and Features



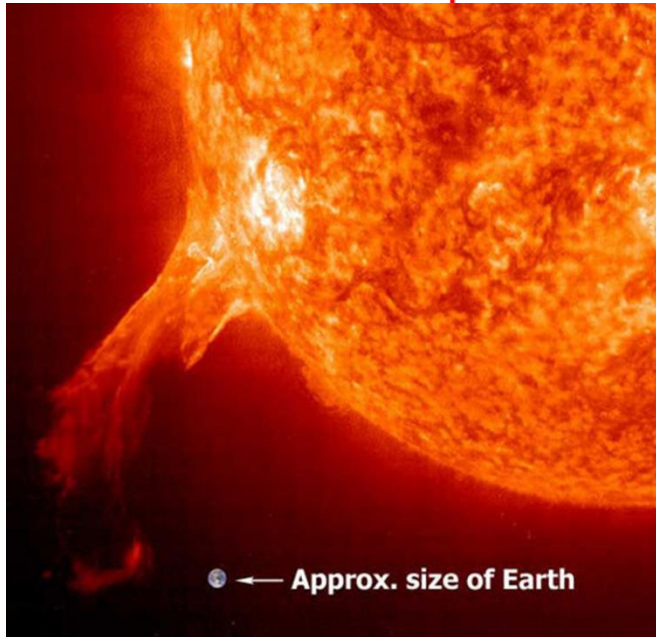
**Solar Wind:
streams of
charged
particles that
leave the sun
mostly protons
& electrons**

Solar Events and Features



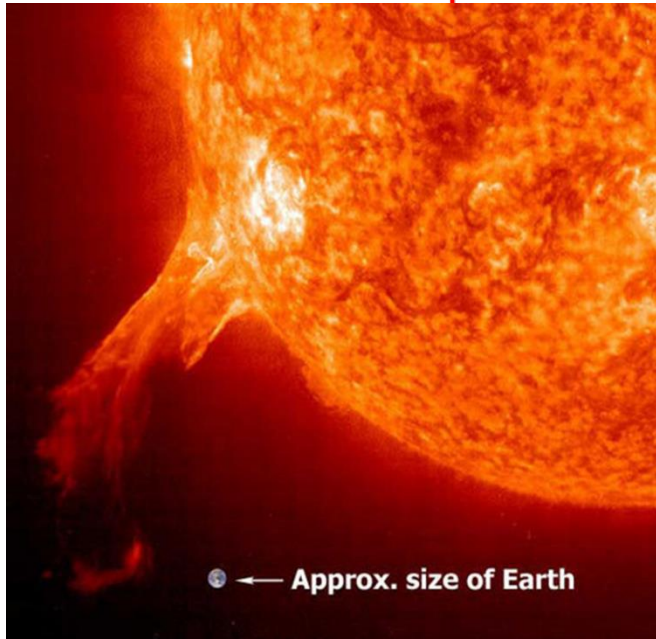
Sunspots
Areas of cooler
than
surrounding areas
on the
Photosphere that
appear dark

Solar Events and Features



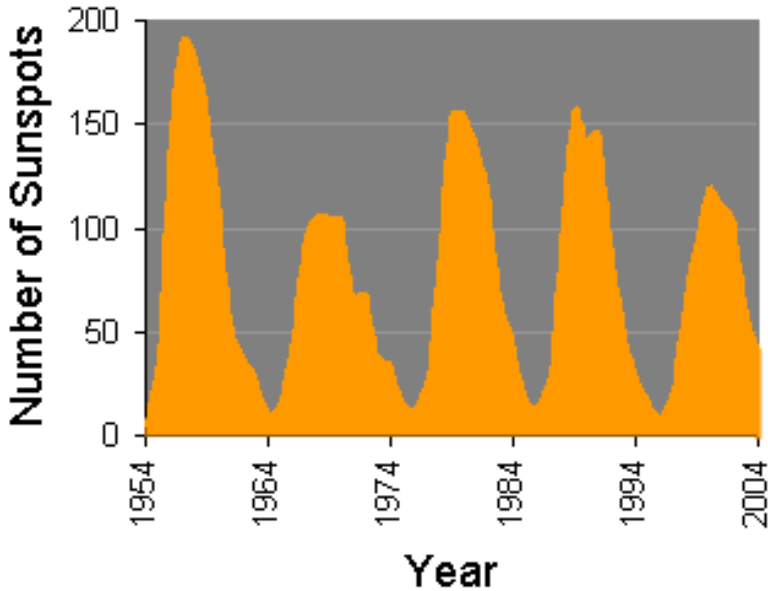
**Solar
Flares-
sudden
Eruption of
radiation**

Solar Events and Features



**Coronal Mass Ejections:
Massive amounts of plasma
From the corona are ejected**

Sunspots and the 11 year cycle



Fact: Sunspots increase and decrease in an 11 year cycle

IMPORTANCE: The number of sunspots seem related to solar activity and events

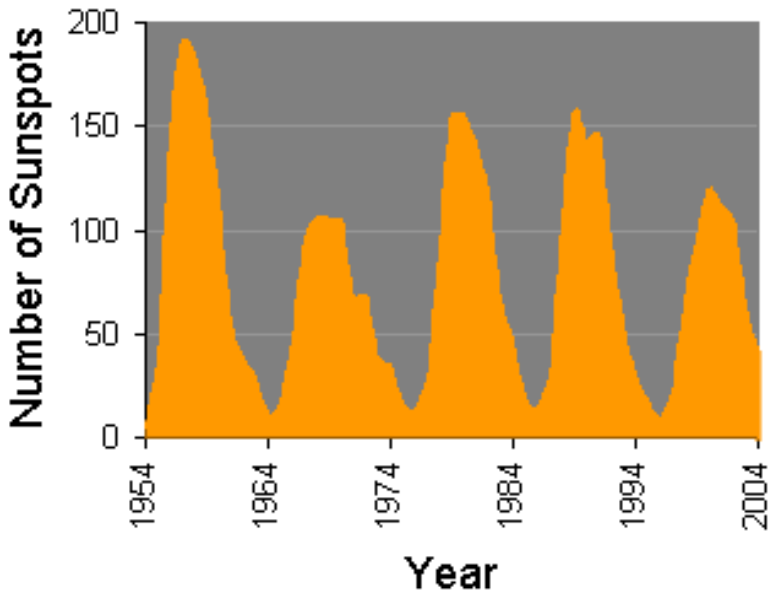
A. The more sunspots, the more solar events

B. The number of sunspots relates to the amount of energy that is coming from the sun

C. The number of sunspots may have an effect on Earth's climate and/or weather



Solar Event Effects on Earth



- Aurora: interaction between charged particles and the Earth's atmosphere
- Disrupt radio/satellite signals
- Can cause power failures
- Burn out electronics
- Can cause extinctions

