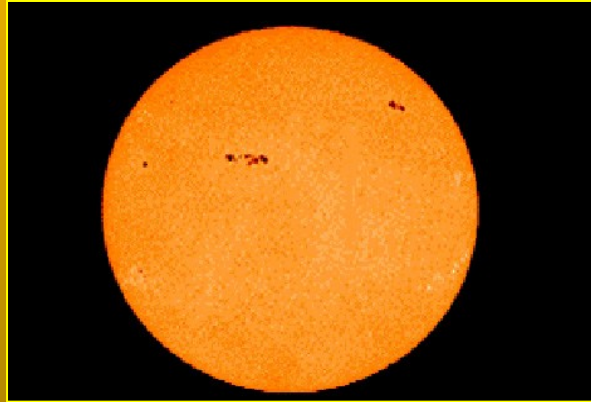




Sun-Earth Connection:



A New Perspective

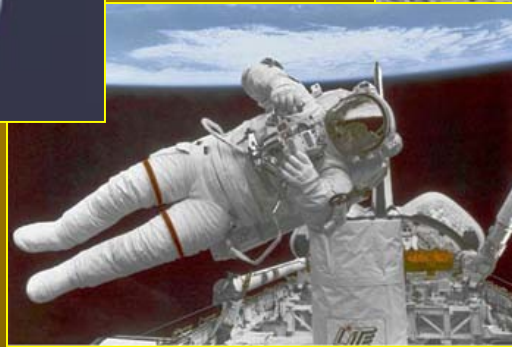


Main Areas Of Research

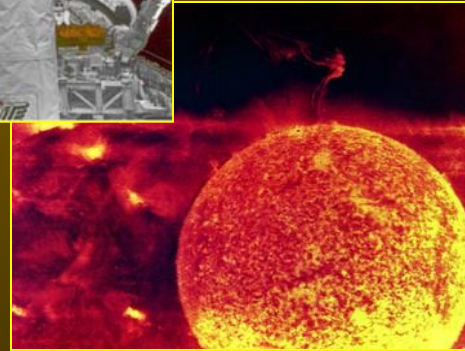
Earth Science



Aerospace Technology



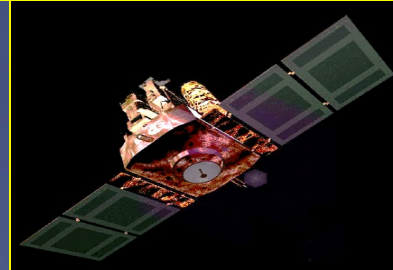
Space Science



Human Exploration And Development Of Space



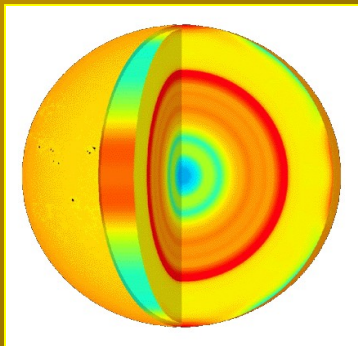
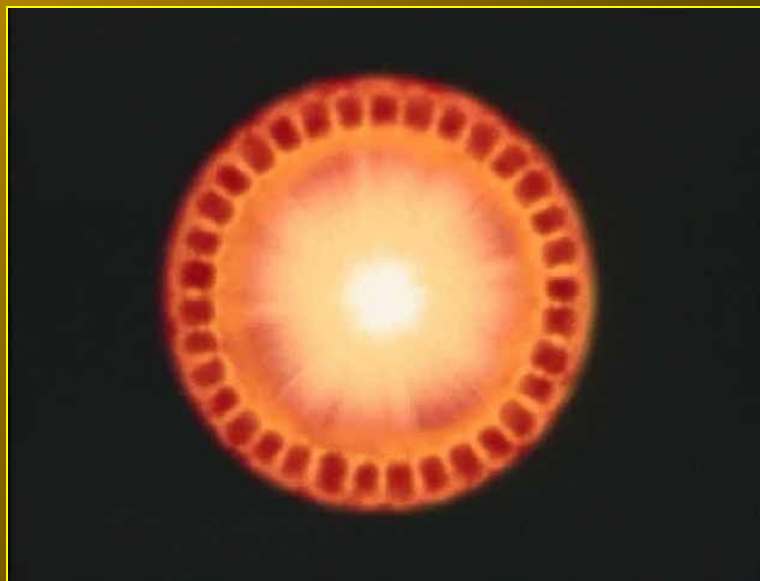
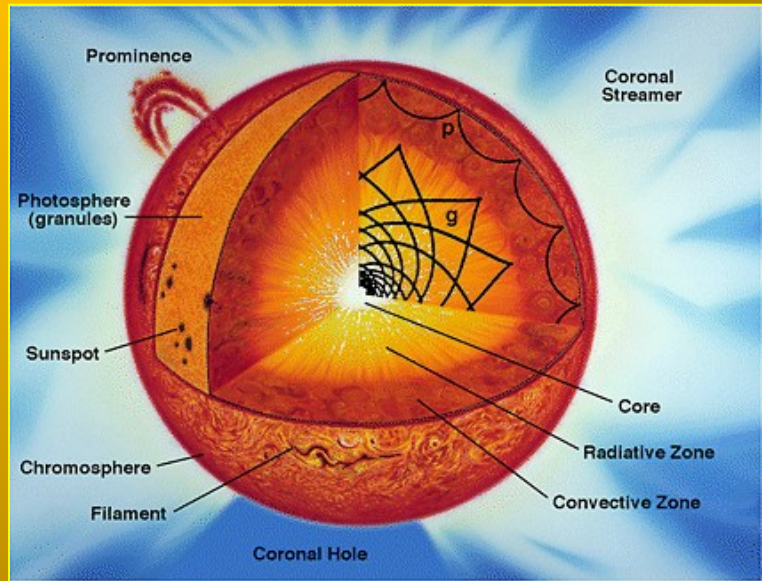
Importance of Space Technology



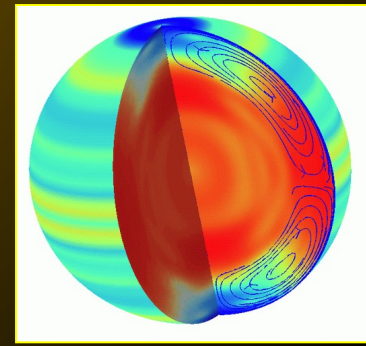
Better Observation Of The Sun And Earth



Sun's Internal Structure

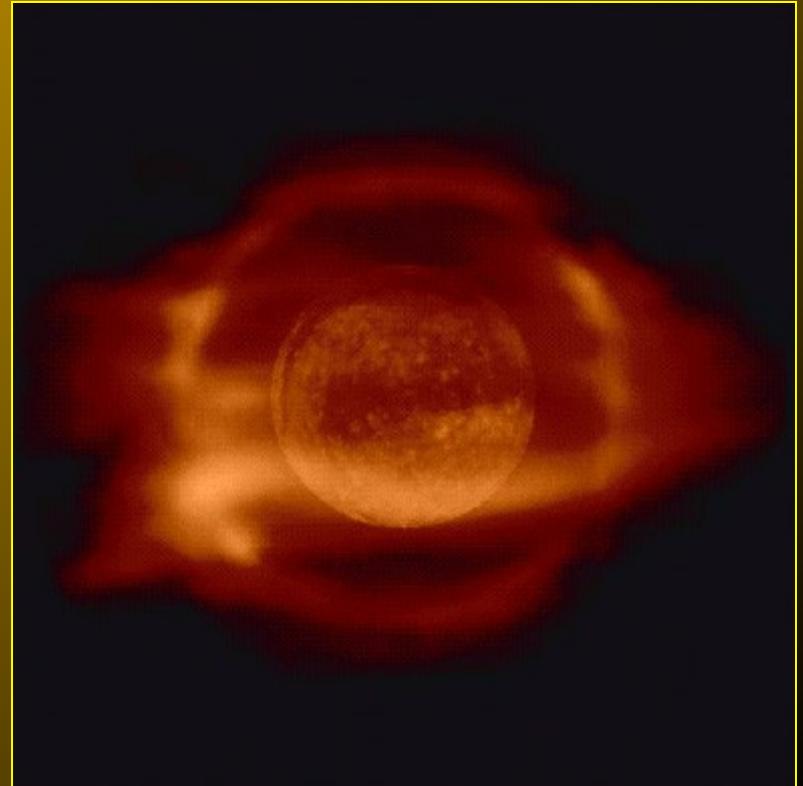
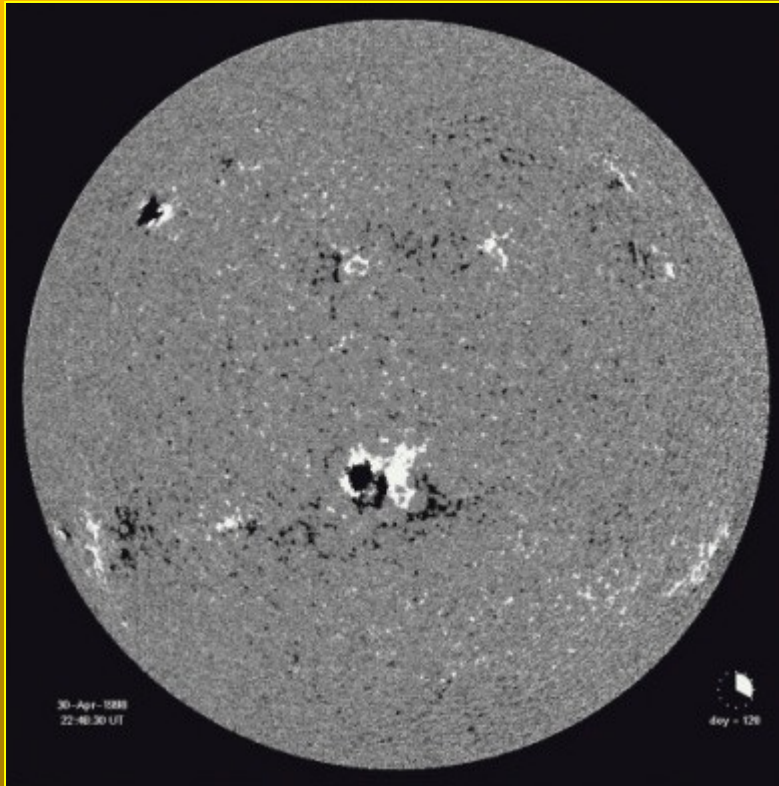


The globes to the left and right represent variations in temperature and rotation of the Sun based on MDI data.





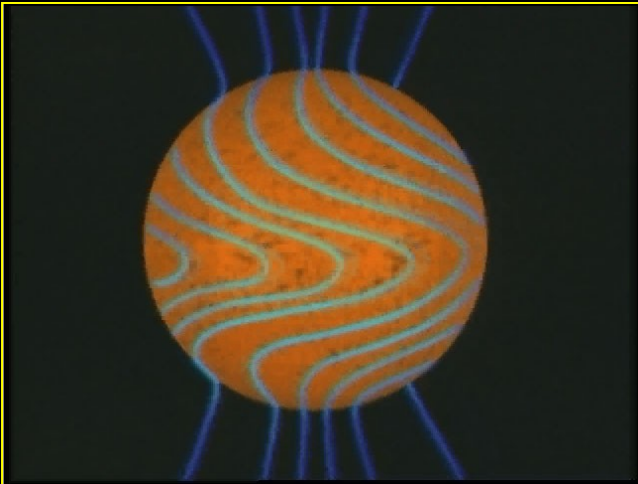
Surface And Atmosphere Of The Sun



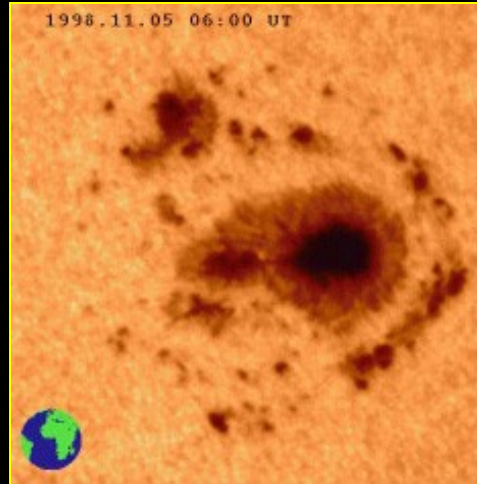


Sunspots

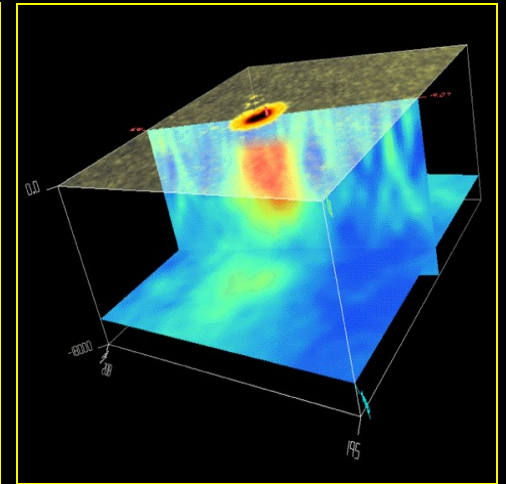
Sun's Magnetic Field



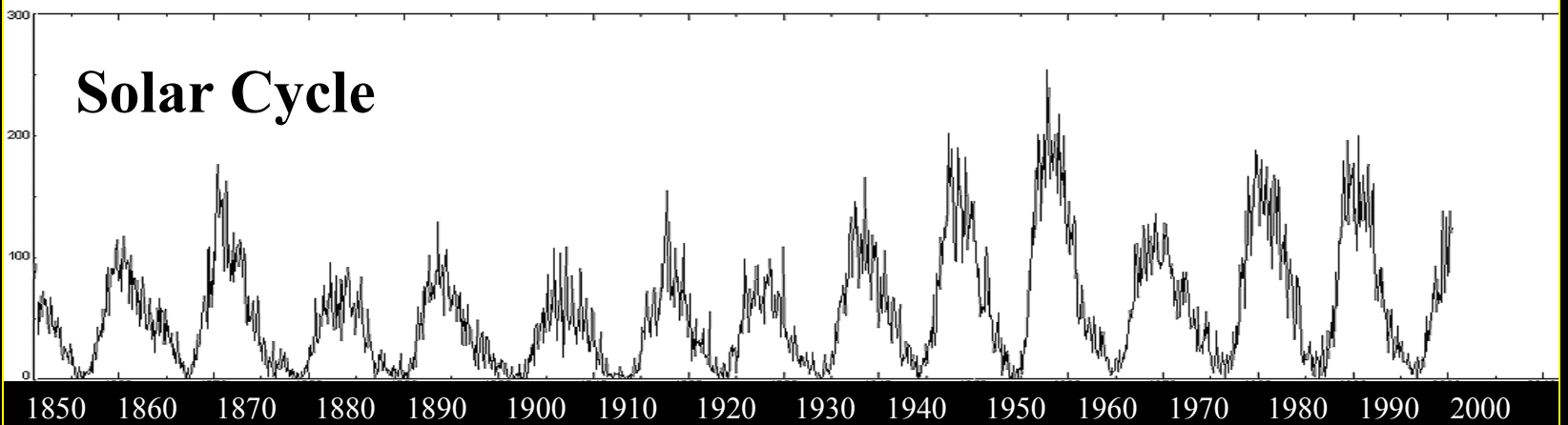
Sunspots



Sunspot Structure

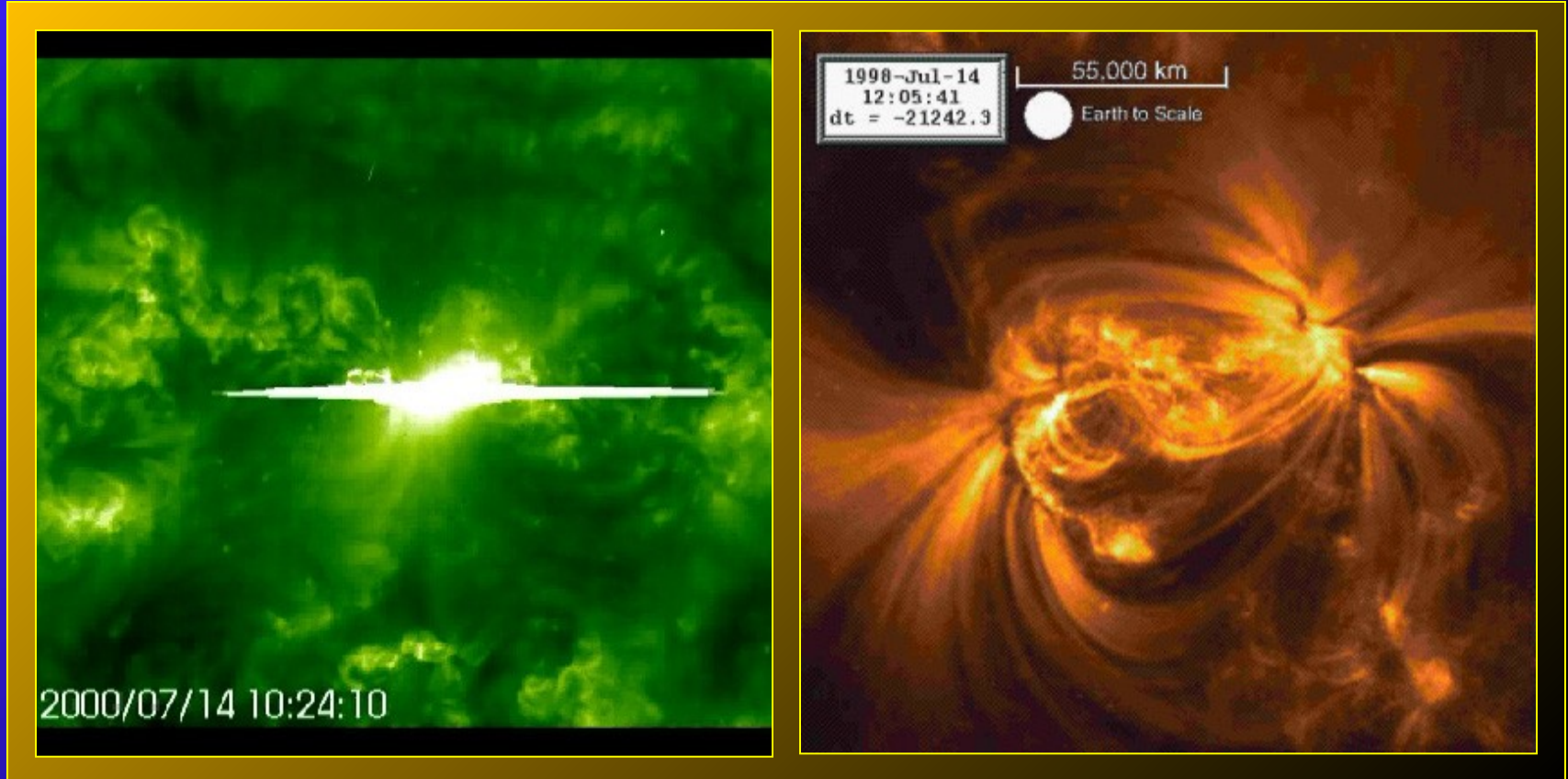


Solar Cycle



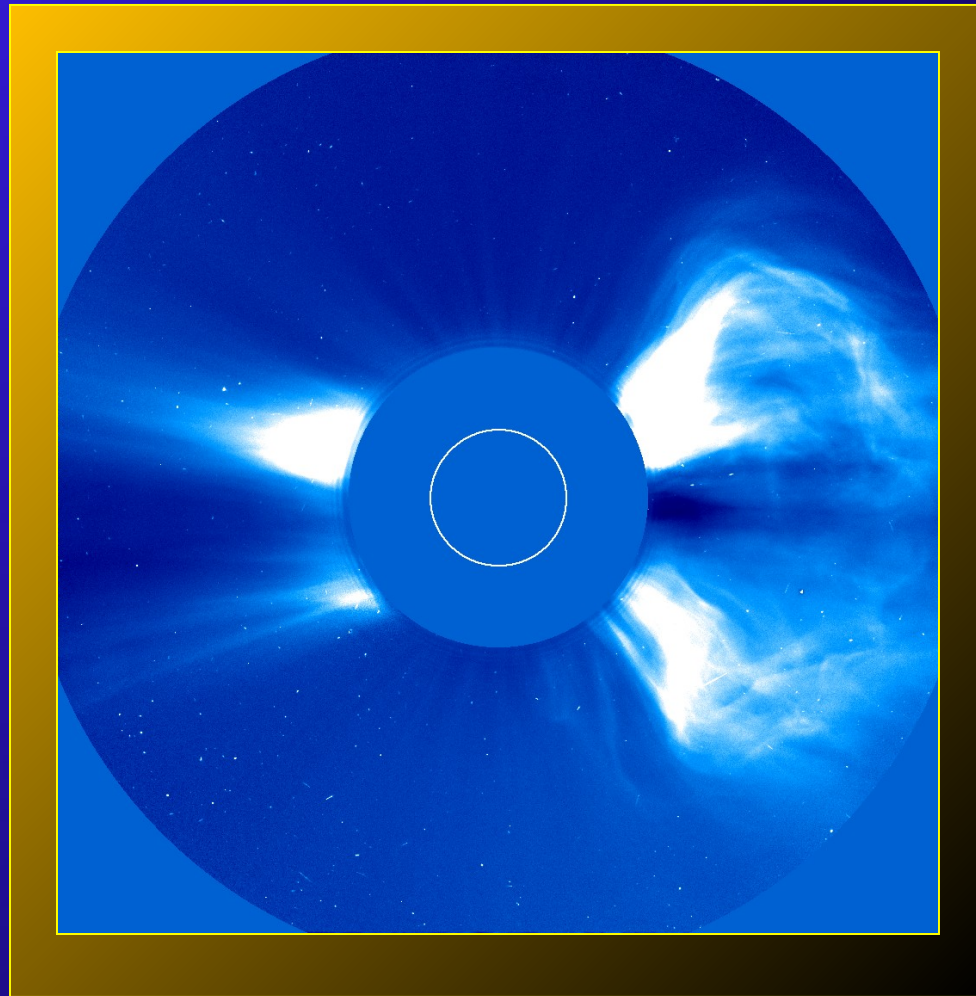


Solar Flares



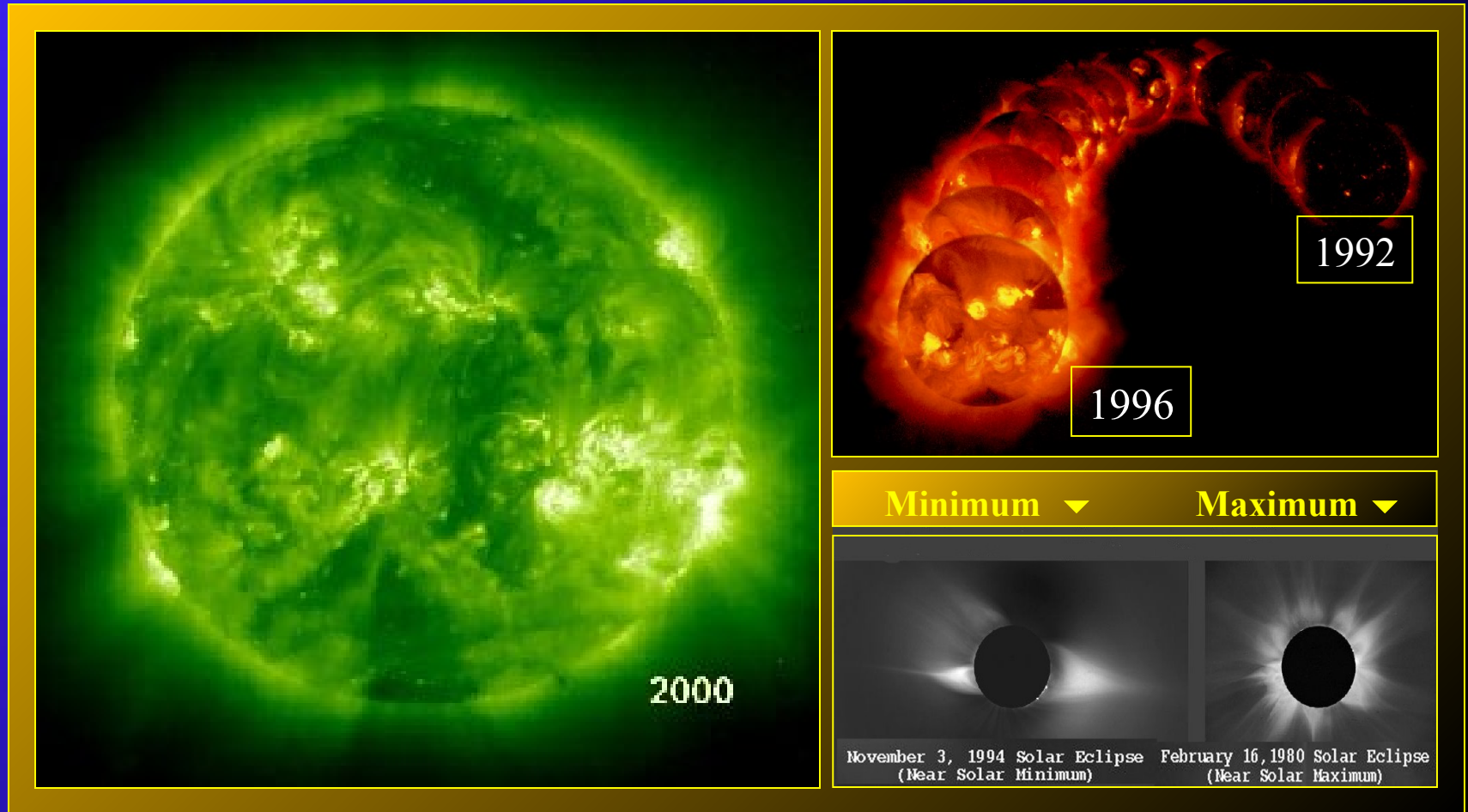


Coronal Mass Ejections



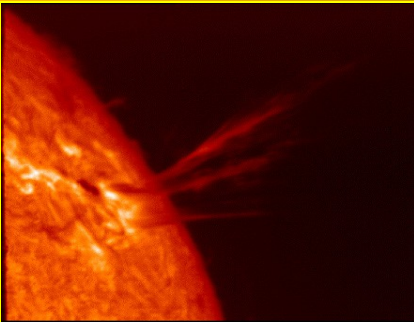


Solar Cycles

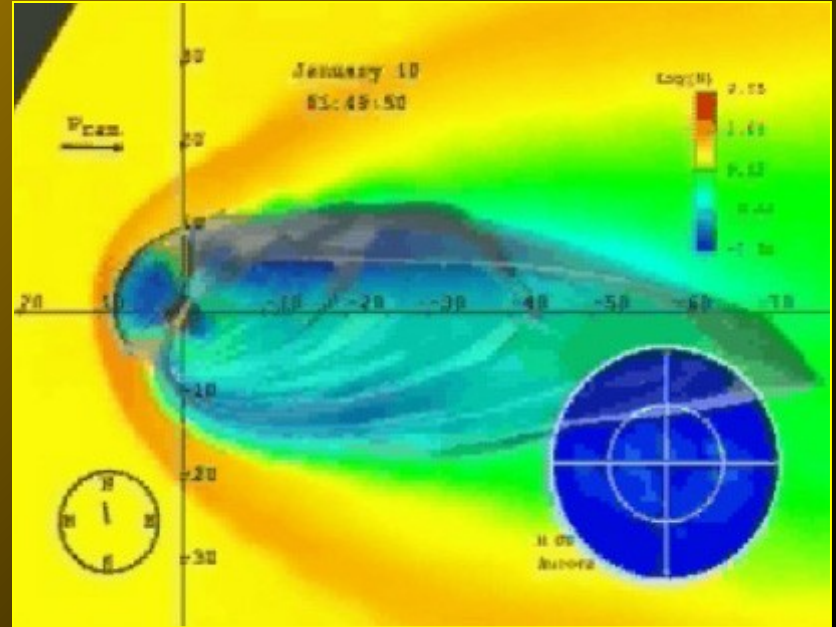
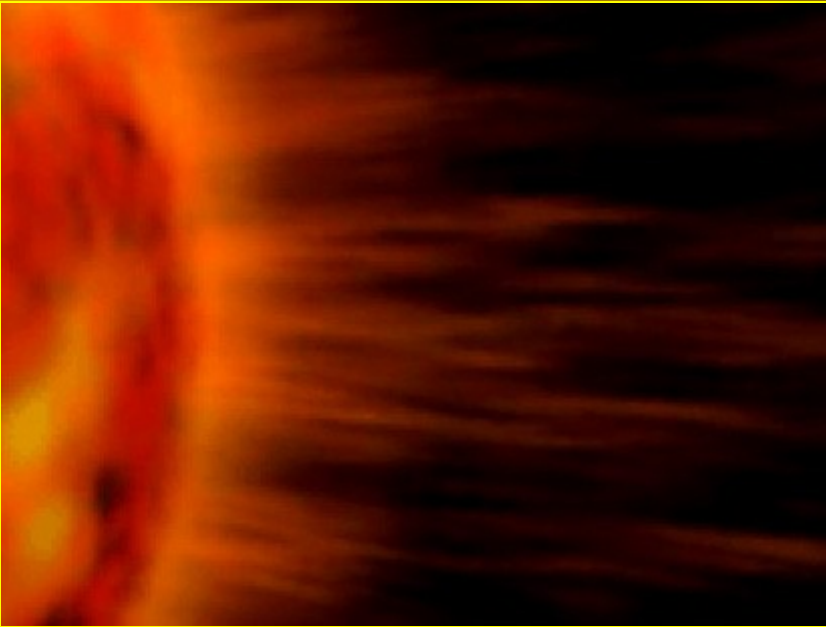
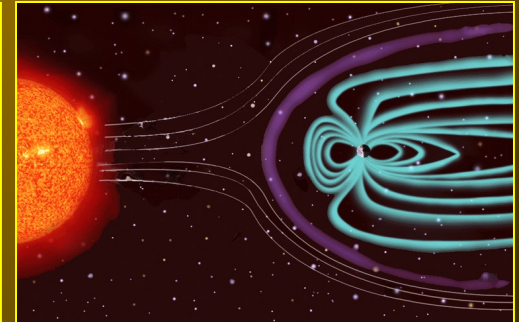




Solar Wind

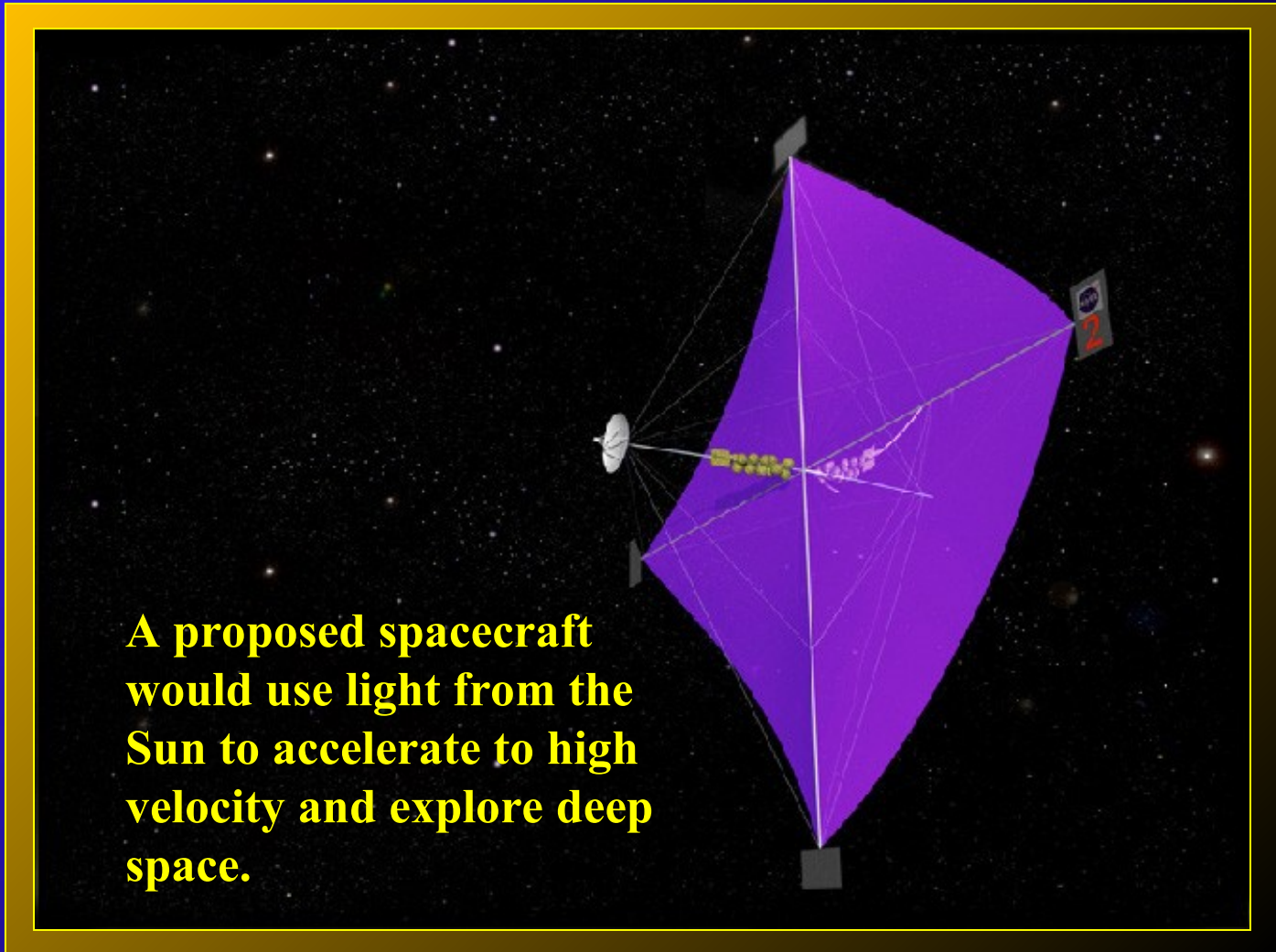


The solar wind consists of plasma that is continually being released from the Sun.





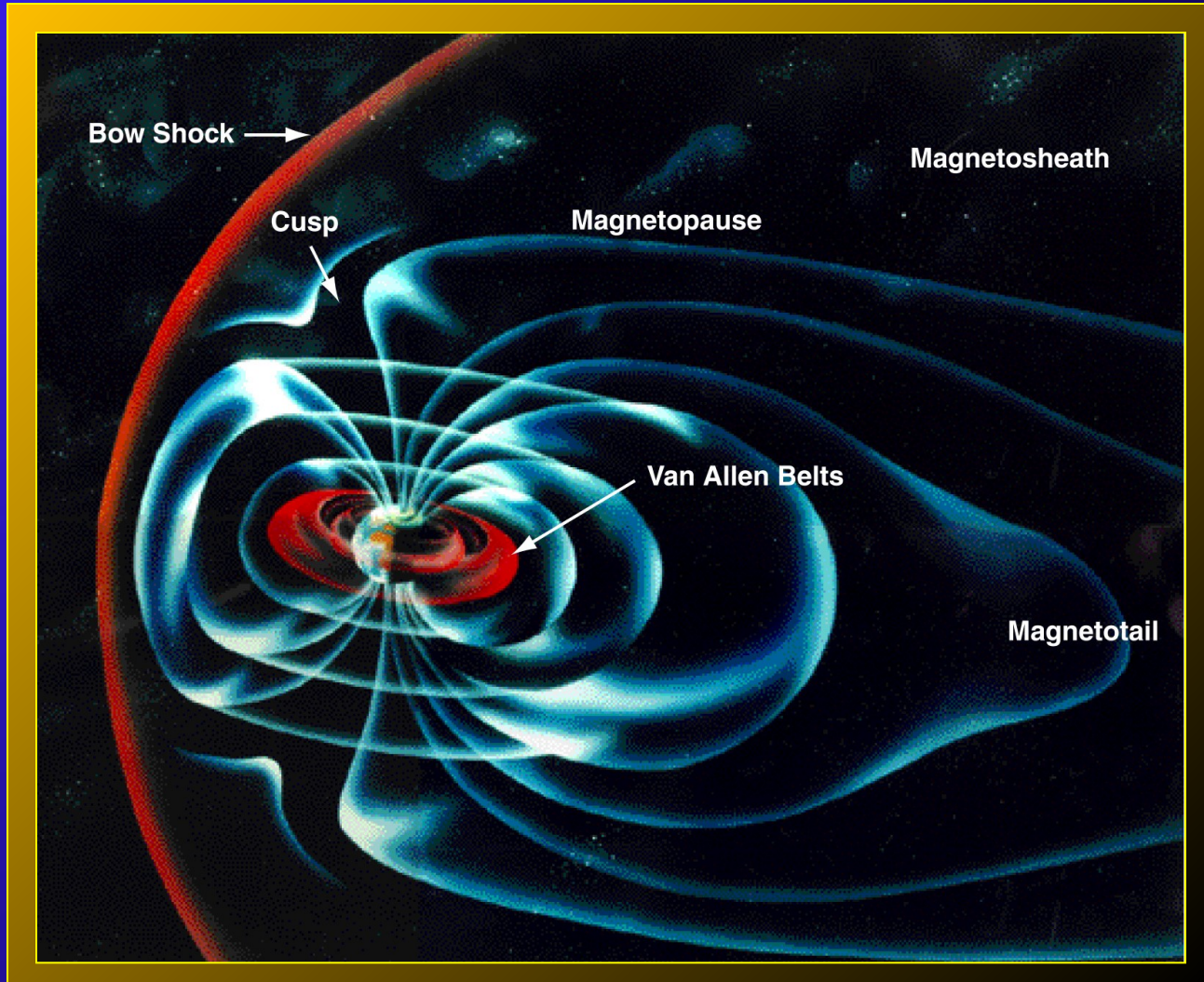
Solar Sail Interstellar Exploration



A proposed spacecraft would use light from the Sun to accelerate to high velocity and explore deep space.

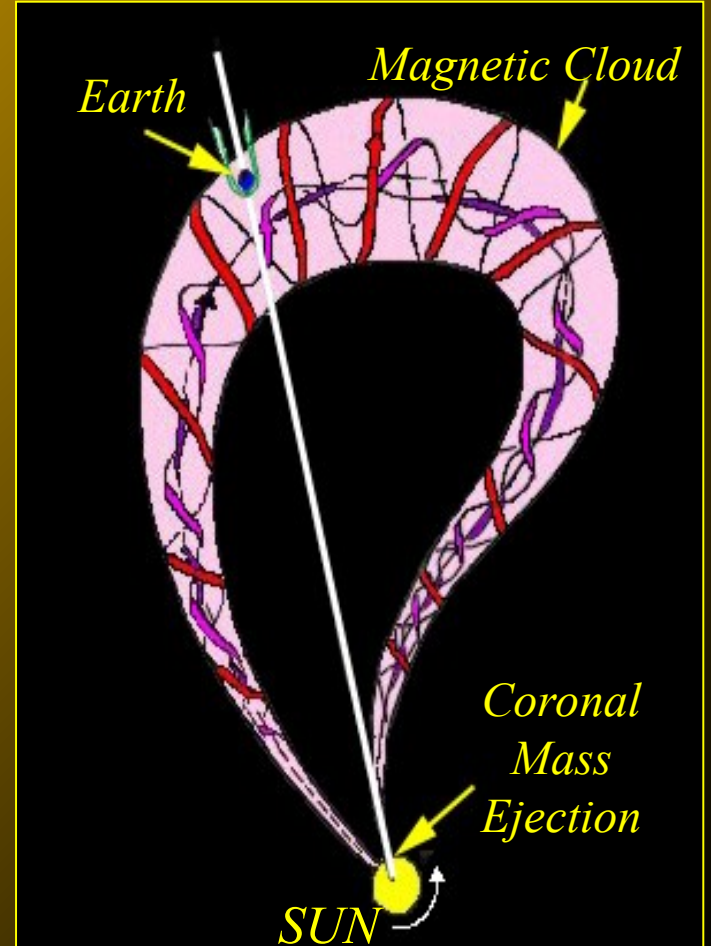
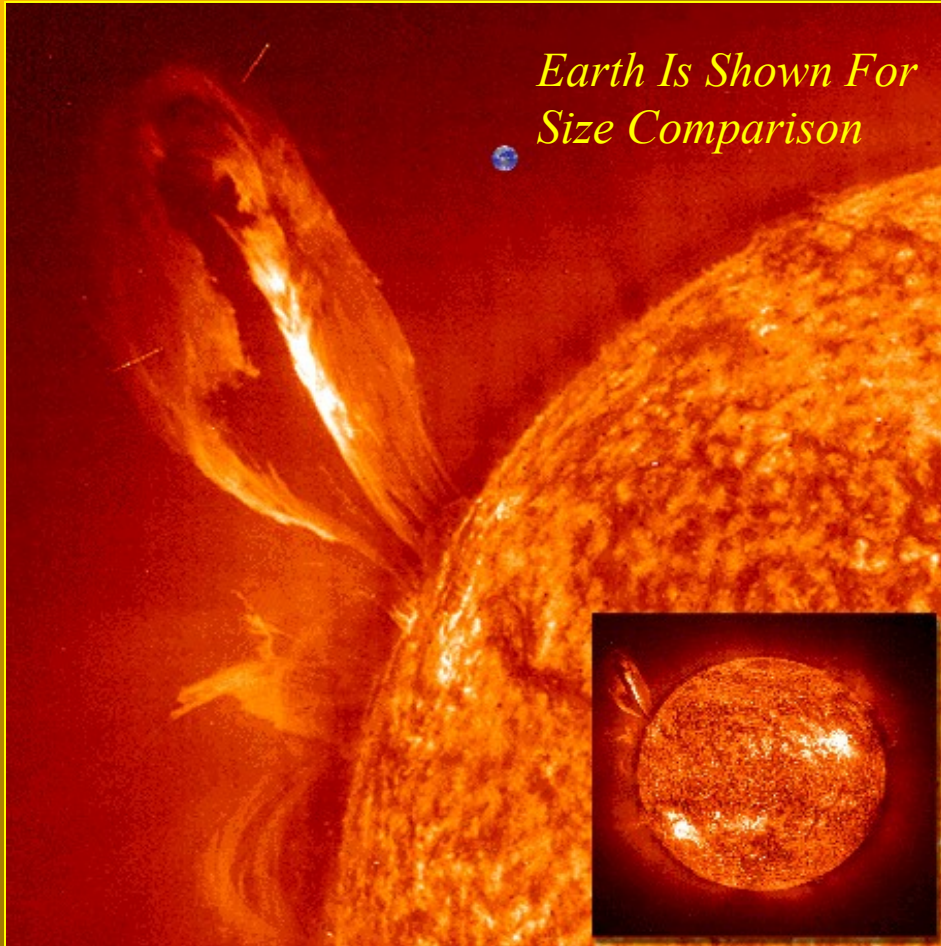


Earth's Magnetosphere





Coronal Mass Ejections: Crossing the Earth's Path





Coronal Mass Ejections: Impact On Earth

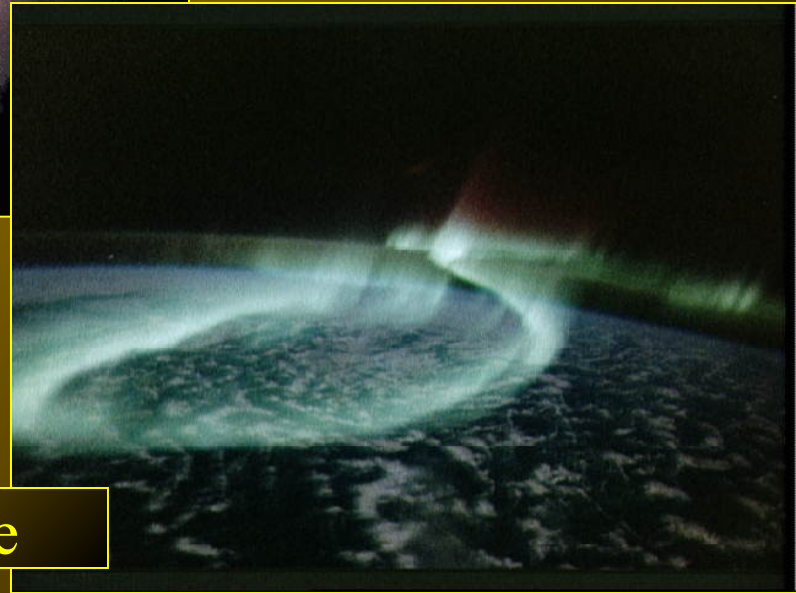




Aurora: Points of View



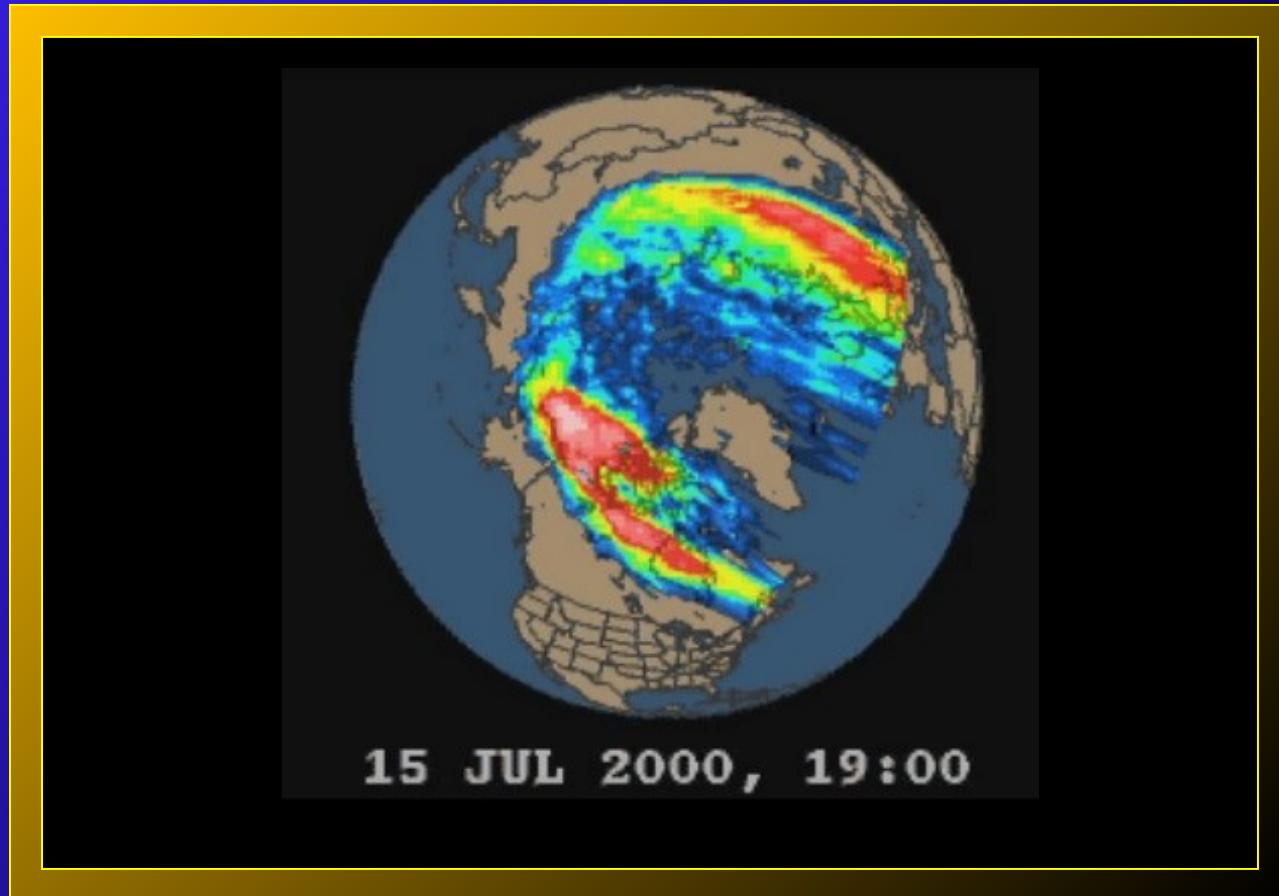
View From Earth



View From Space

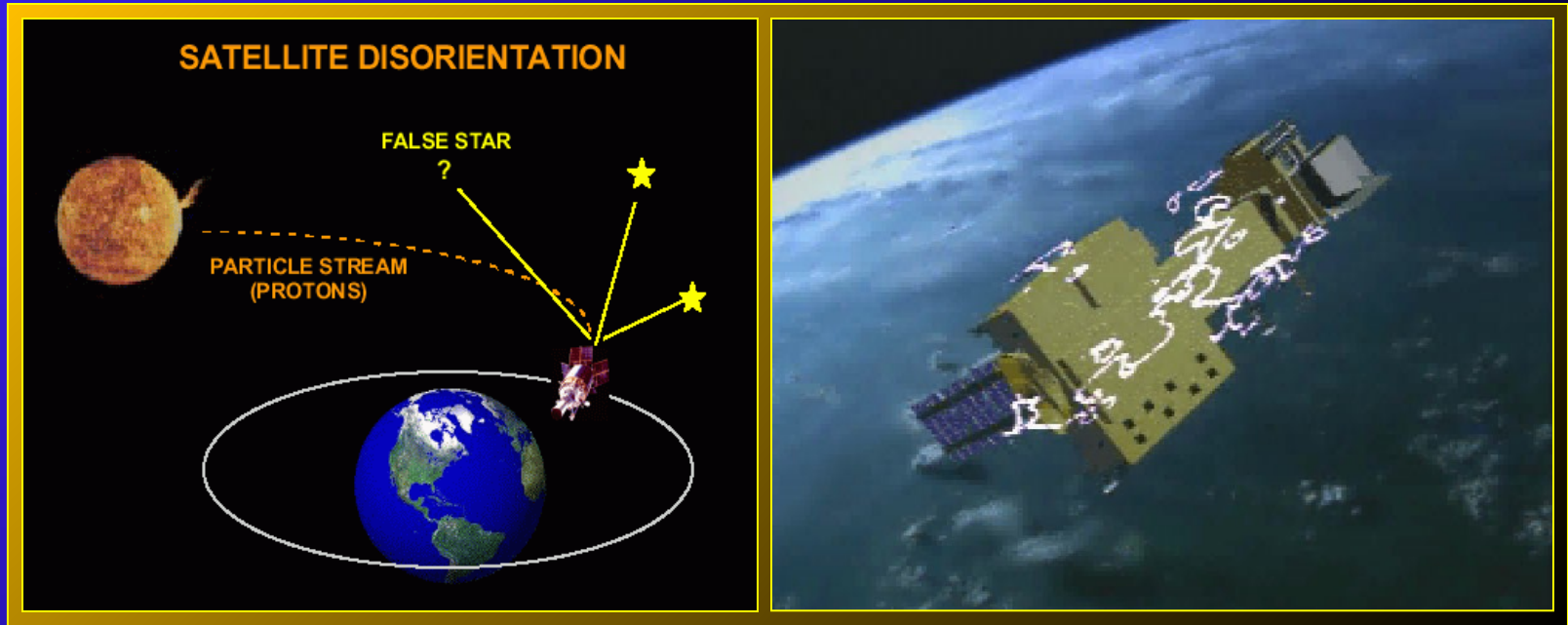


Aurora: Lights in Motion





Space Weather : Effects On Orbiting Spacecraft





Space Weather : Effects On Satellite Sensors



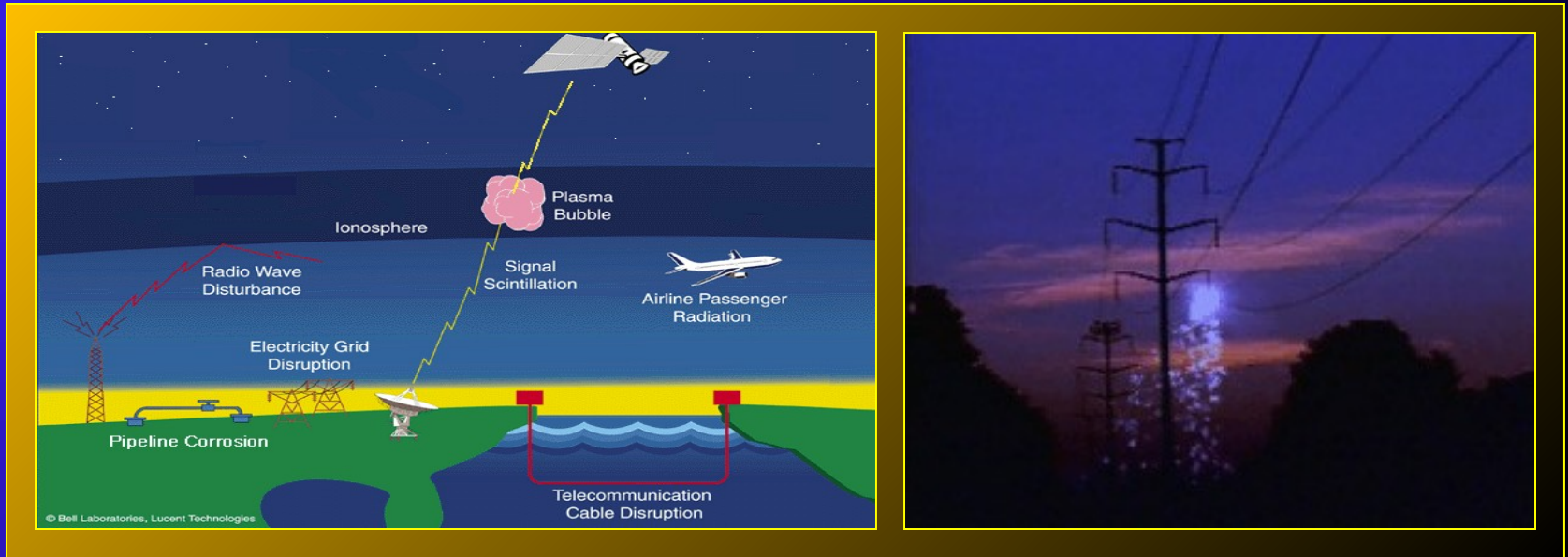


Solar Storms: Effects on Humans in Space





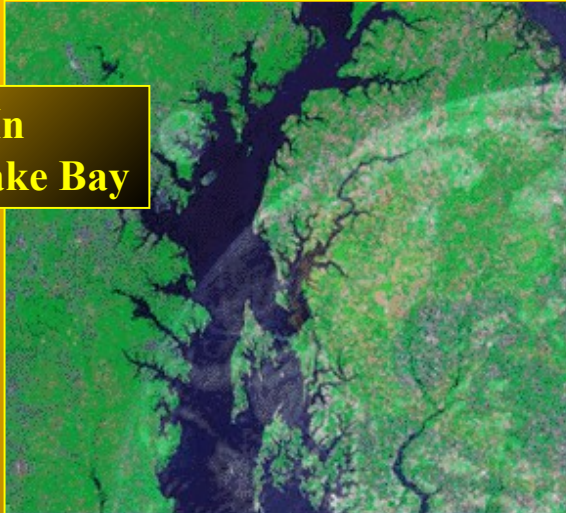
Solar Storms: Effects On Societal Systems





The Sun's Energy: Driver of Earth Weather

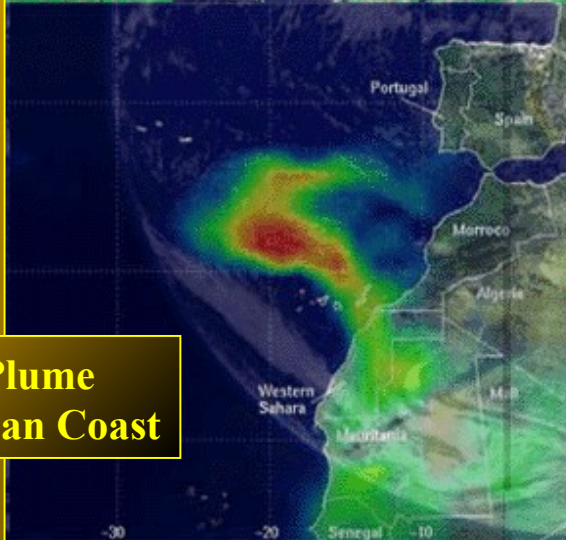
Water Level In
The Chesapeake Bay



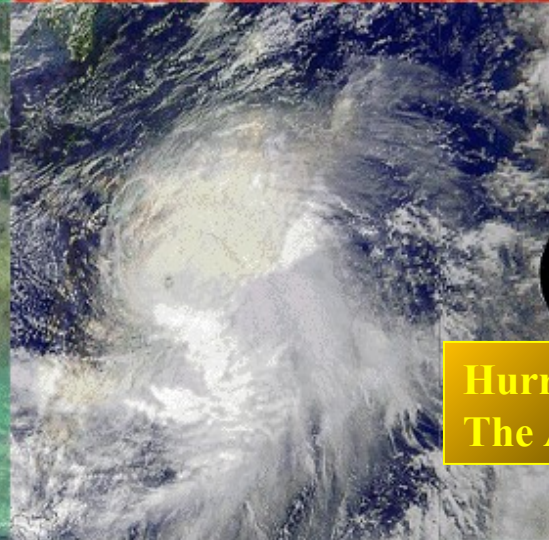
Infrared Image Of
Atlanta, Georgia



Sahara Dust Plume
Off The African Coast

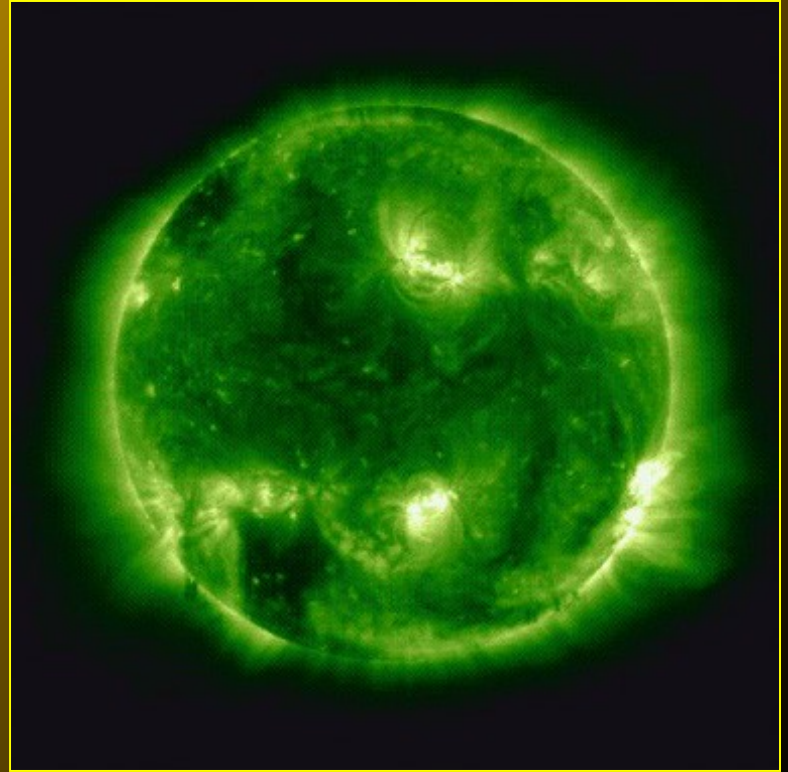
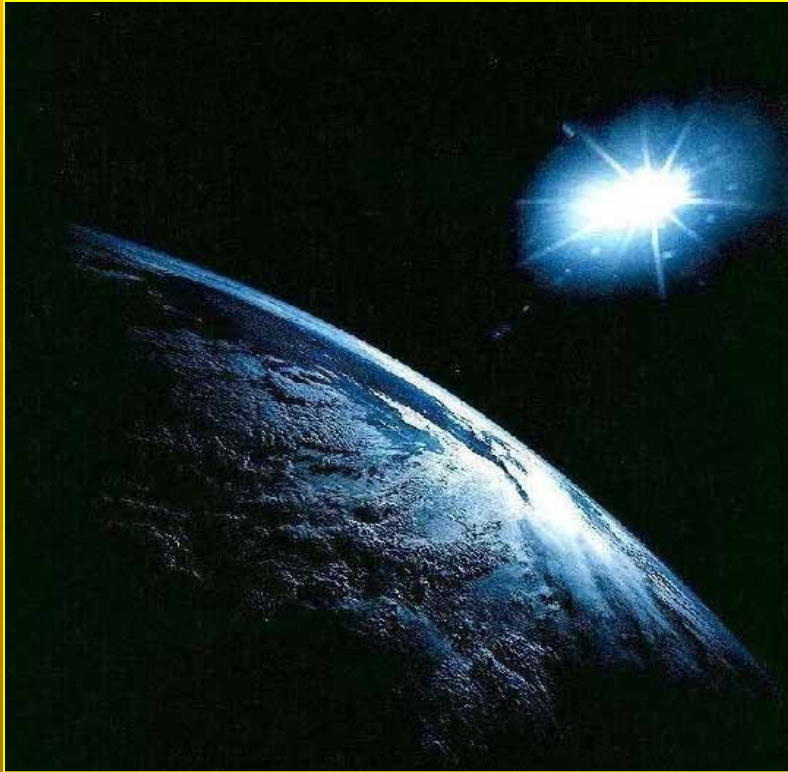


Hurricane In
The Atlantic Ocean





Sun-Earth Connection





The End