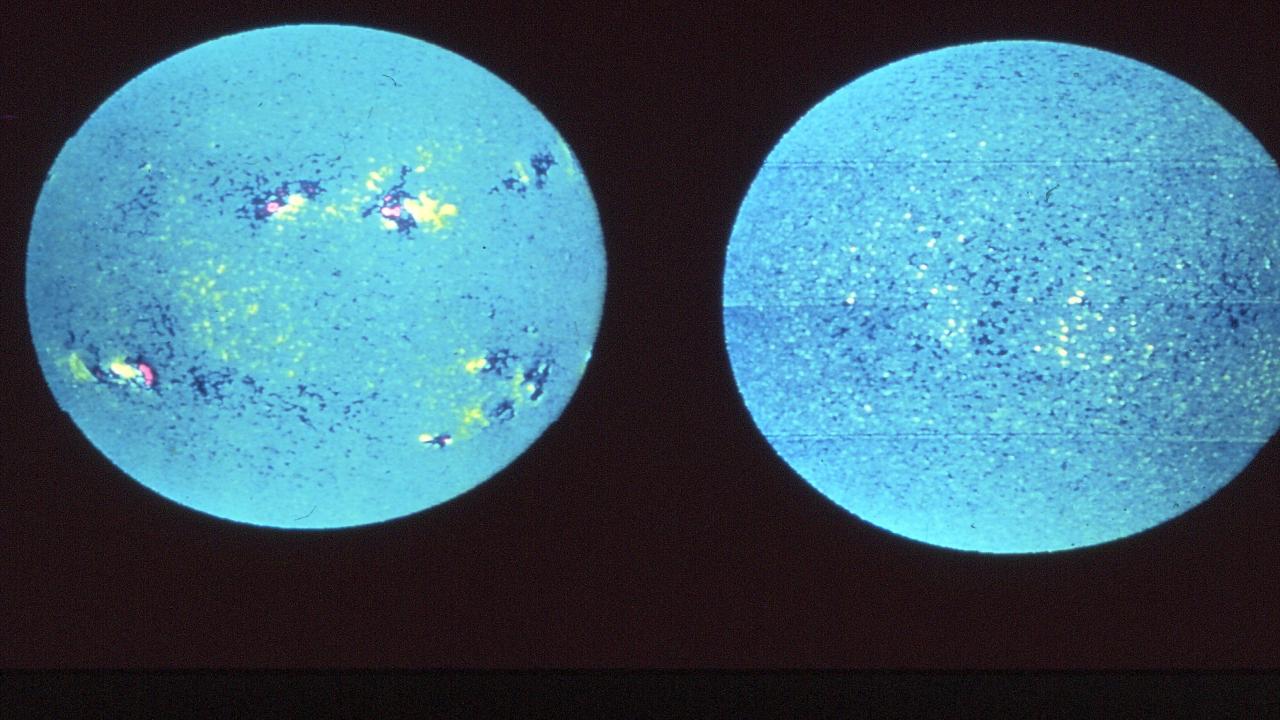
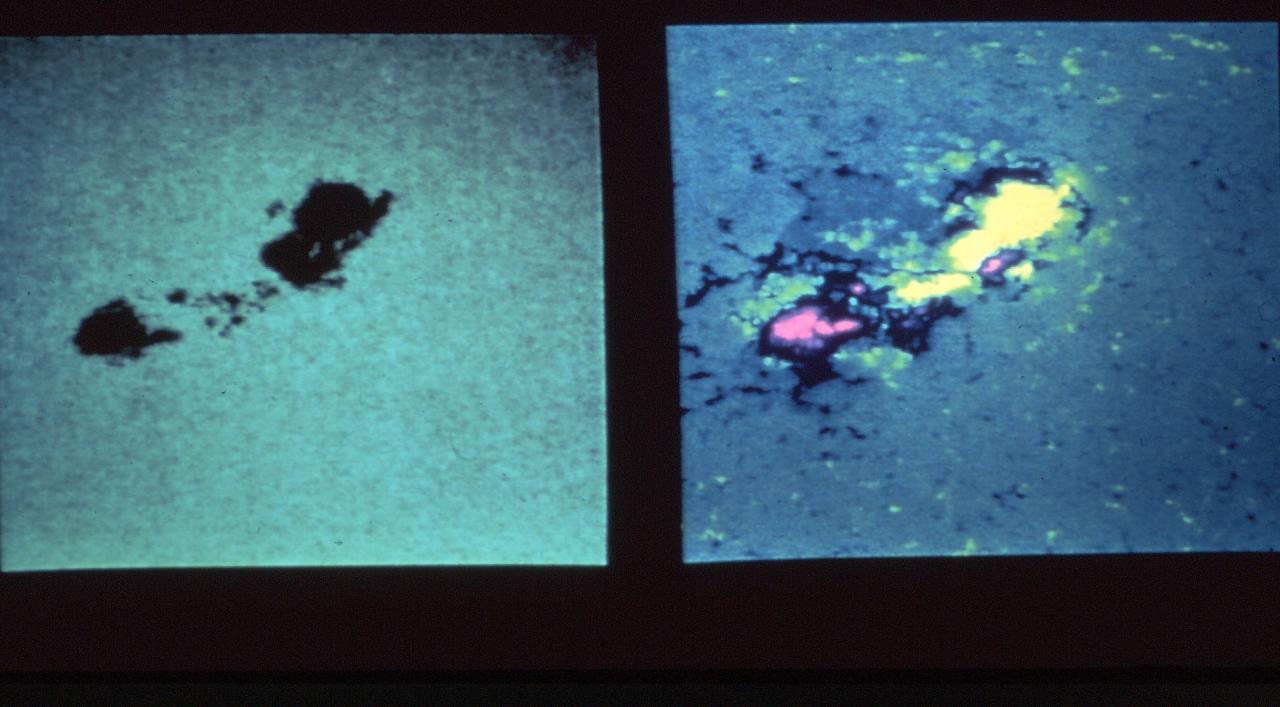
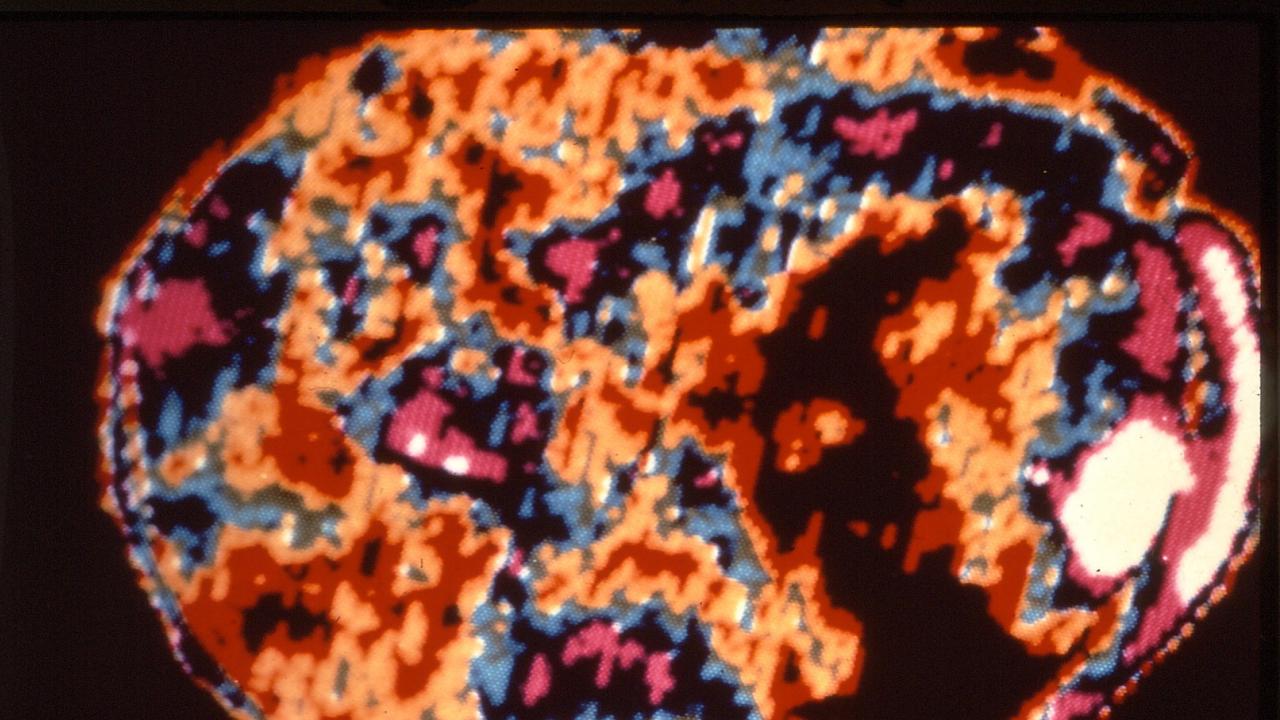
Evolution of the Earth System

- History of the universe
- Role of the sun in the climate system
- Continental drift
- Volcanic emissions versus present atmospheric composition

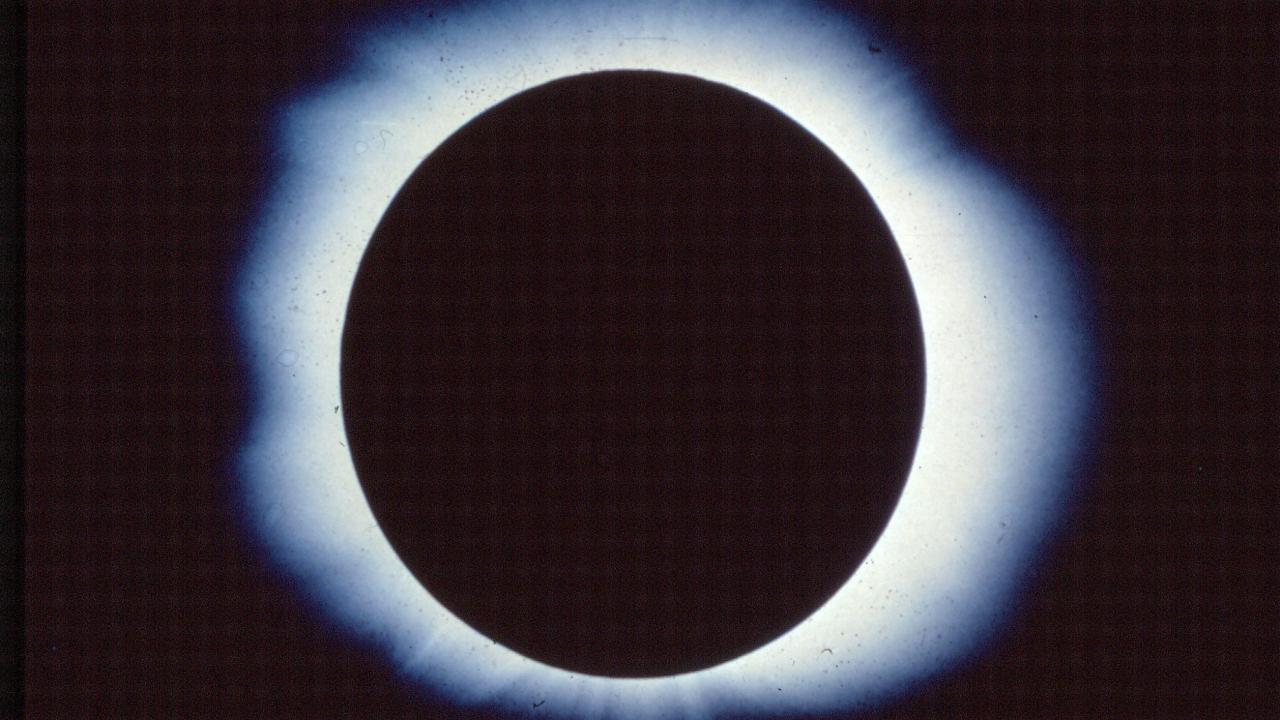


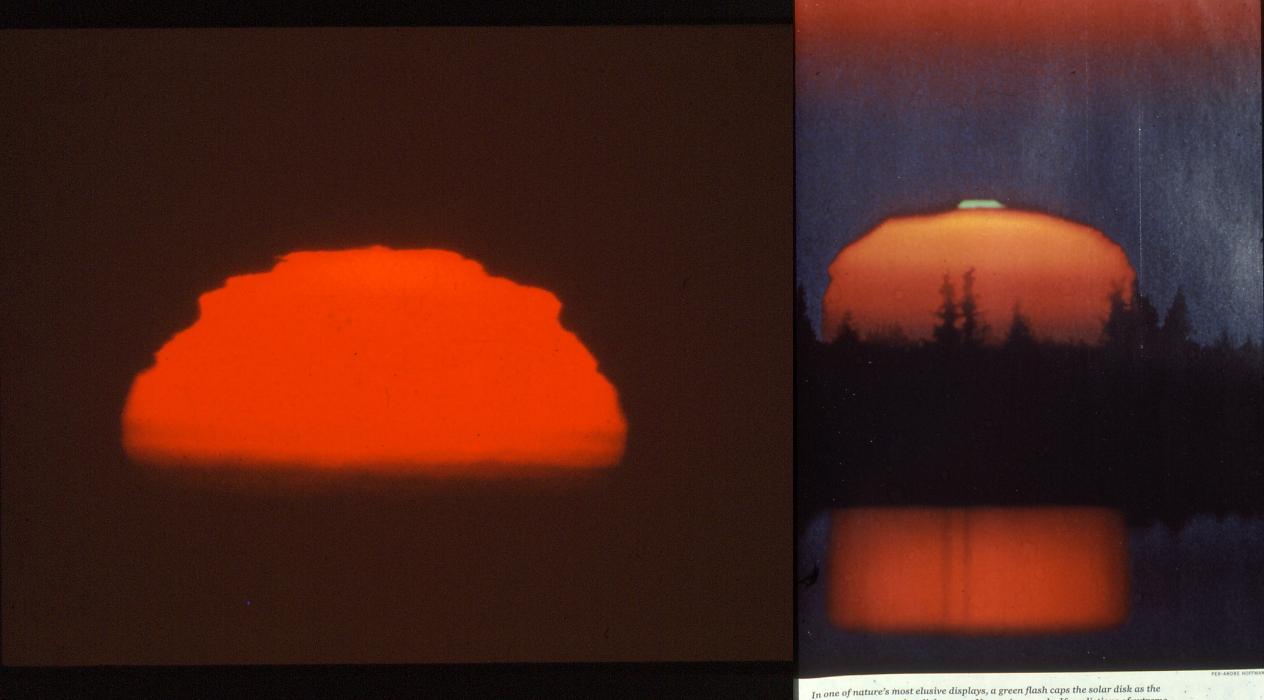












In one of nature's most elusive displays, a green flash caps the solar disk as the atmosphere scatters last light over a Norwegian woods. If predictions of extreme

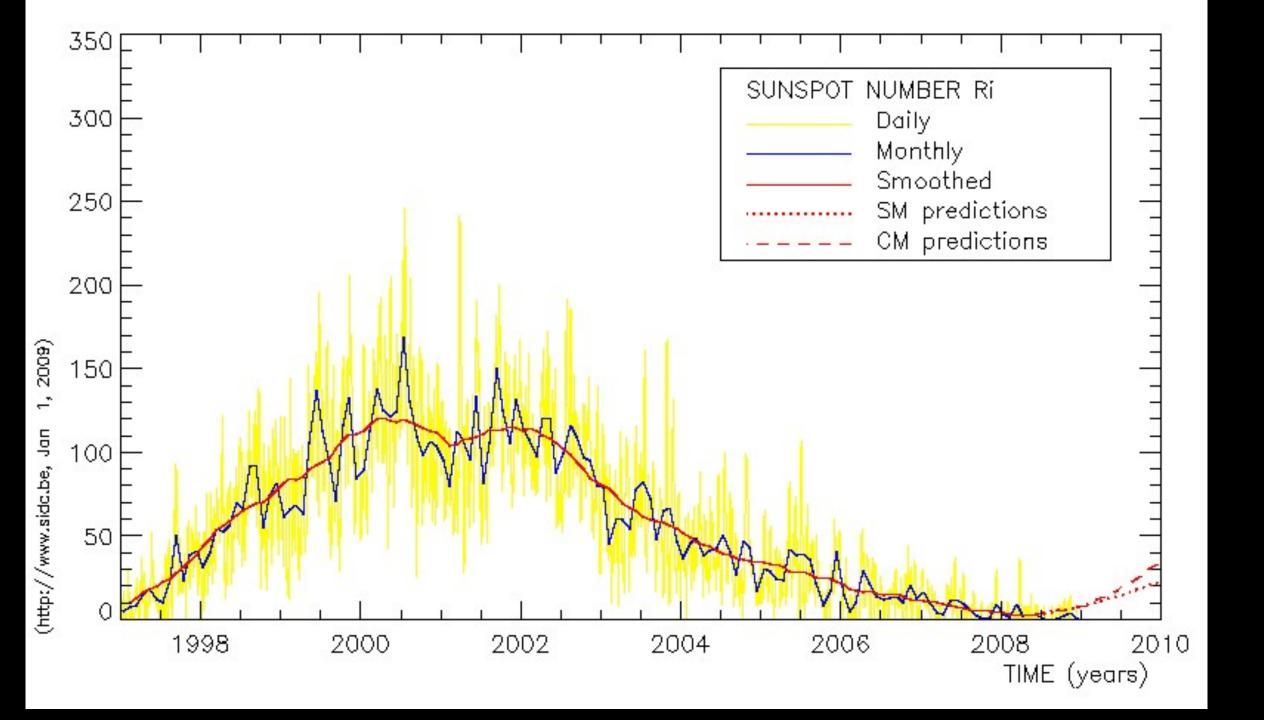


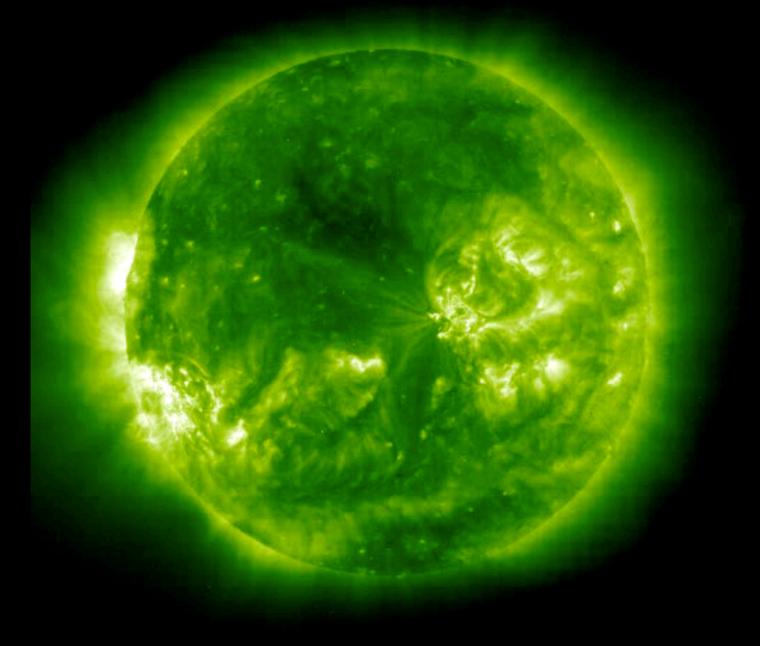


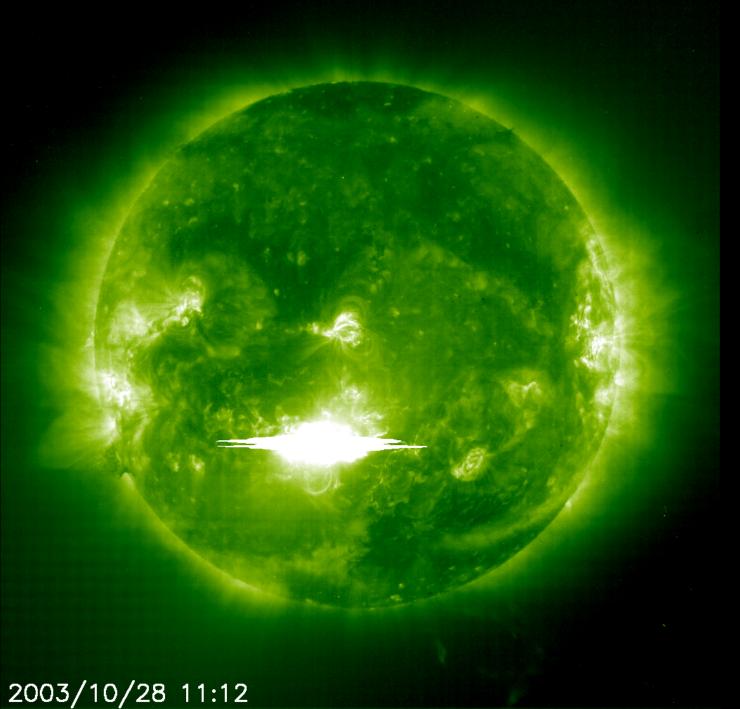




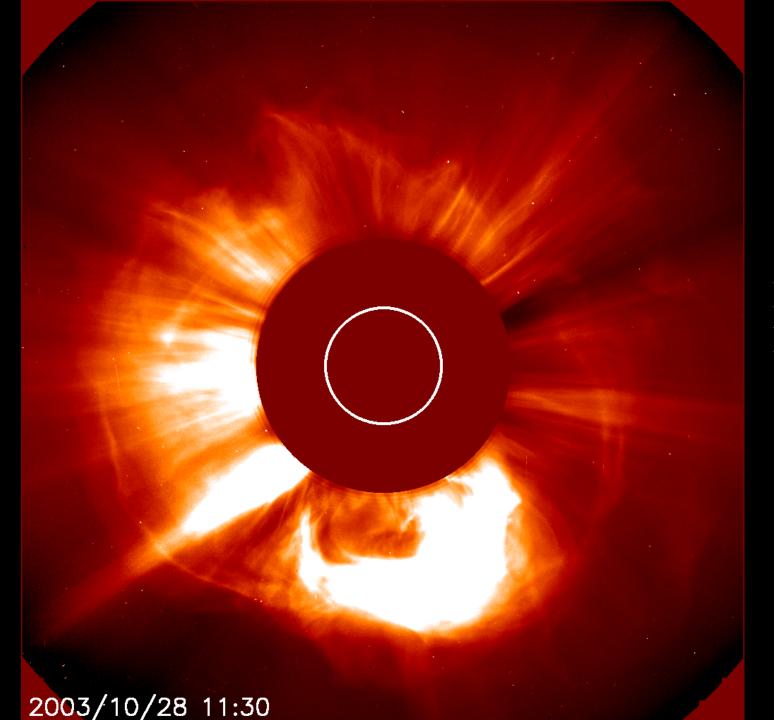




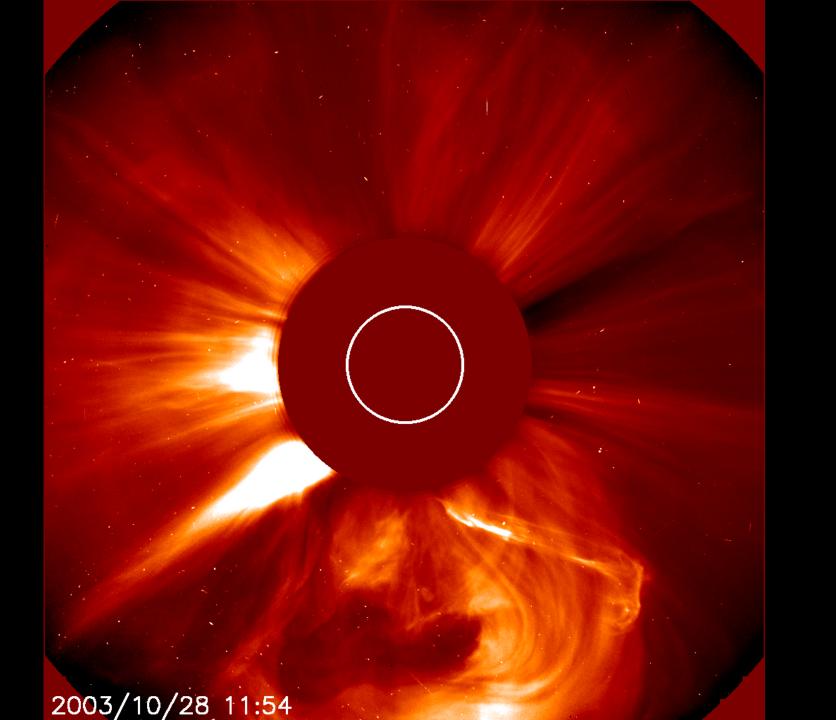




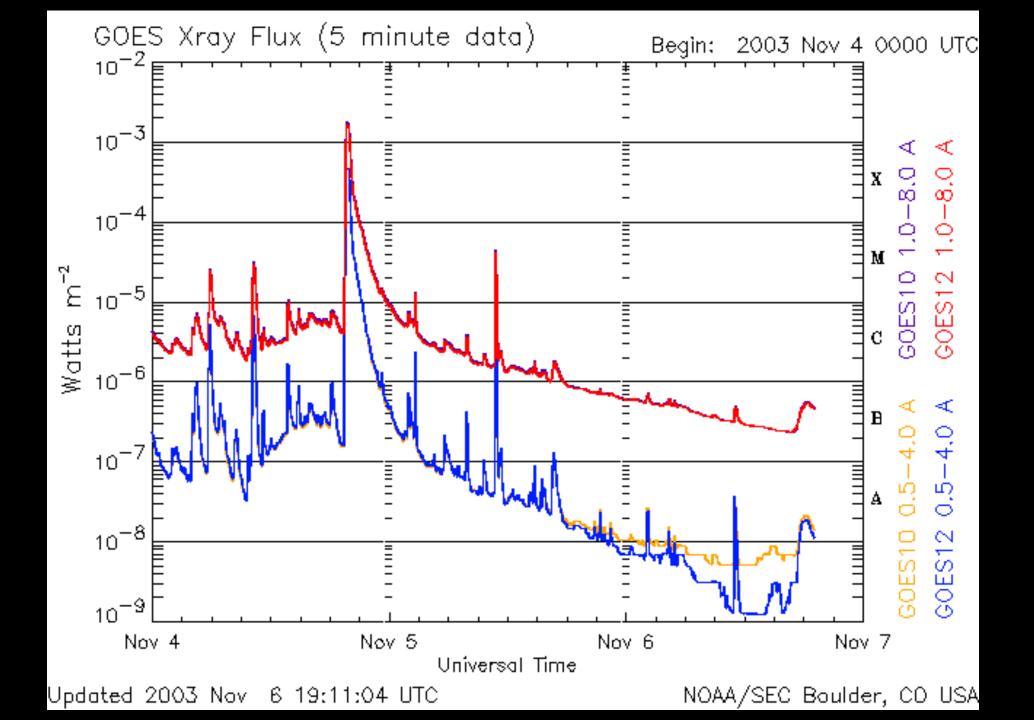
SOHO Solar Heliospheric Observatory

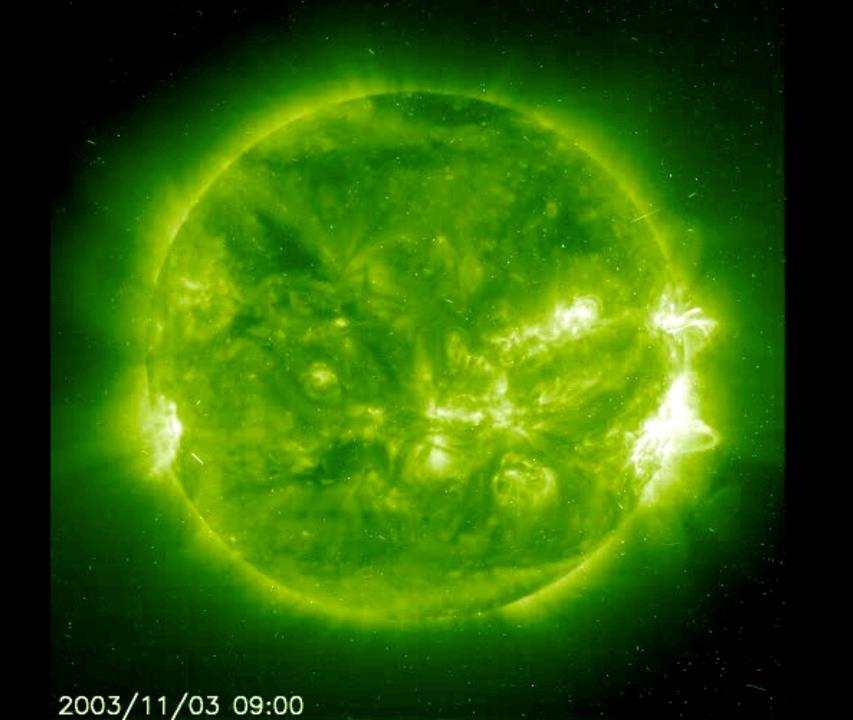


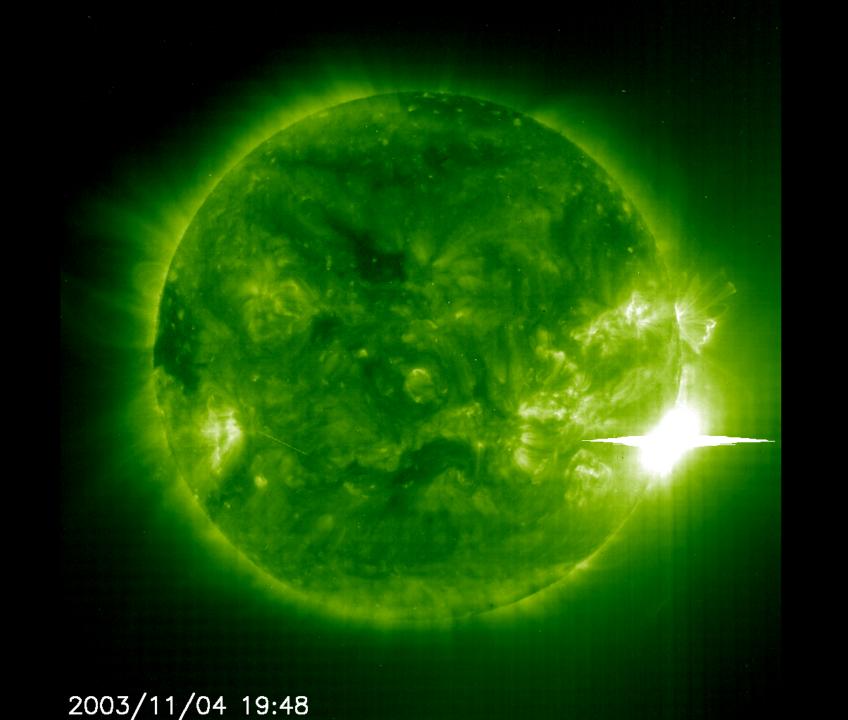
Mk4 Mauna Loa Solar Observatory

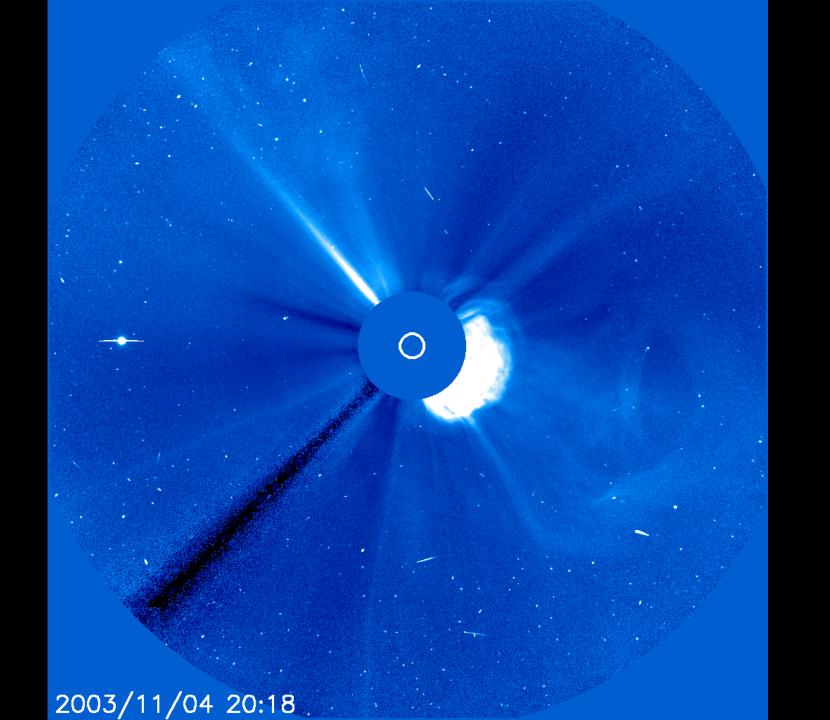






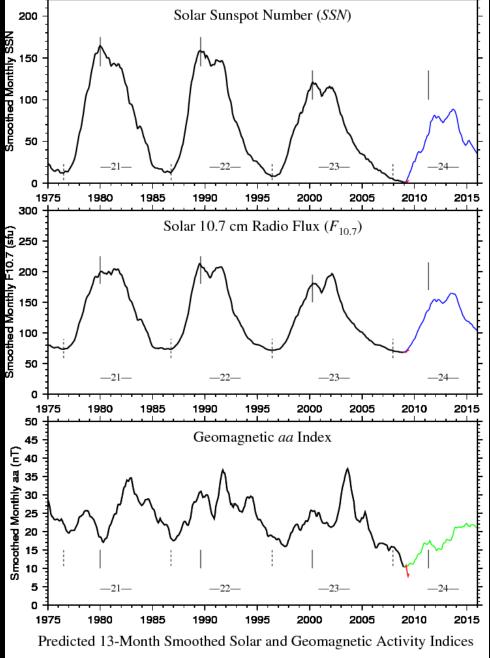






International sunspot number R_{i} : monthly mean and 13-month smoothed number Monthly Smoothed Sunspot number R_i Time (years)

SILSO graphics (http://sidc.be) Royal Observatory of Belgium 01/01/2014



BGS Predictions Use A Modified McNish-Lincoln Method Based on Activity Cycles Since Cycle 12 (Green) or 18 (Blue)
Black Indicates Smoothed Monthly Data and Red Indicates Last 6 Months of Unsmoothed Monthly Averages
Solar Cycles are Numbered and Sunspot Maxima and Minima are Marked by Vertical Solid and Dashed Lines

