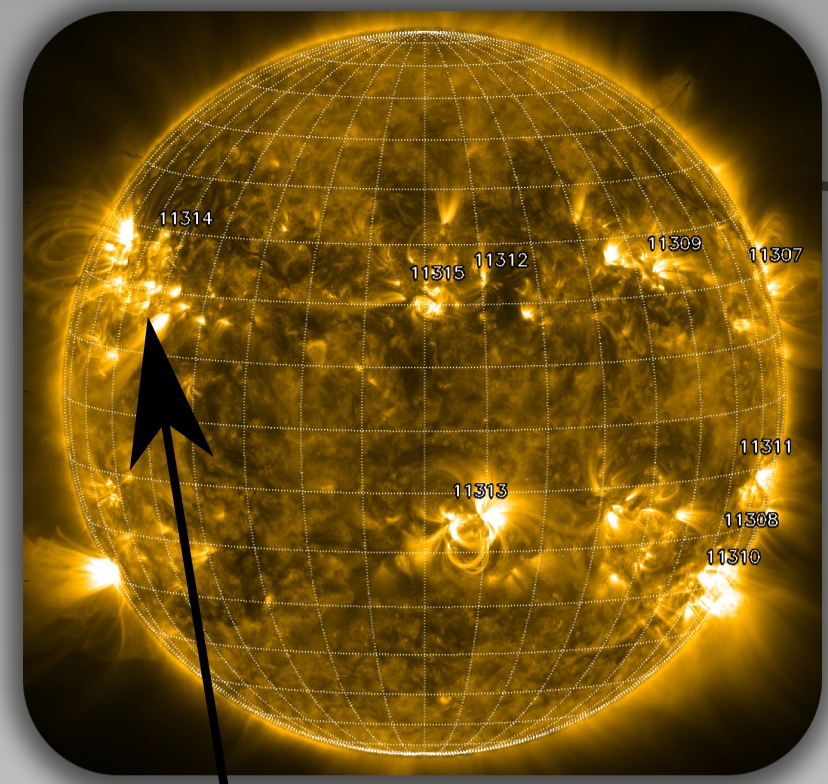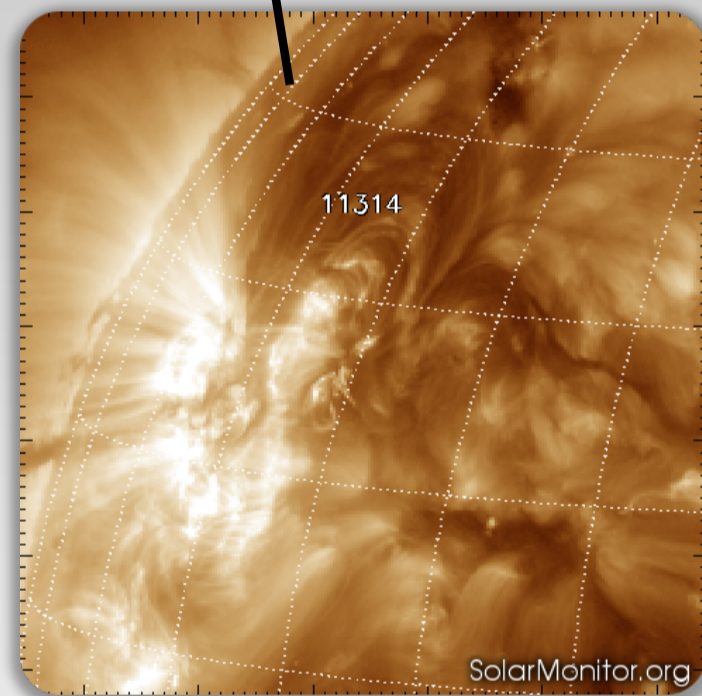# www.SolarMonitor.org
Providing access to Solar and Space Weather Data in Near-Realtime
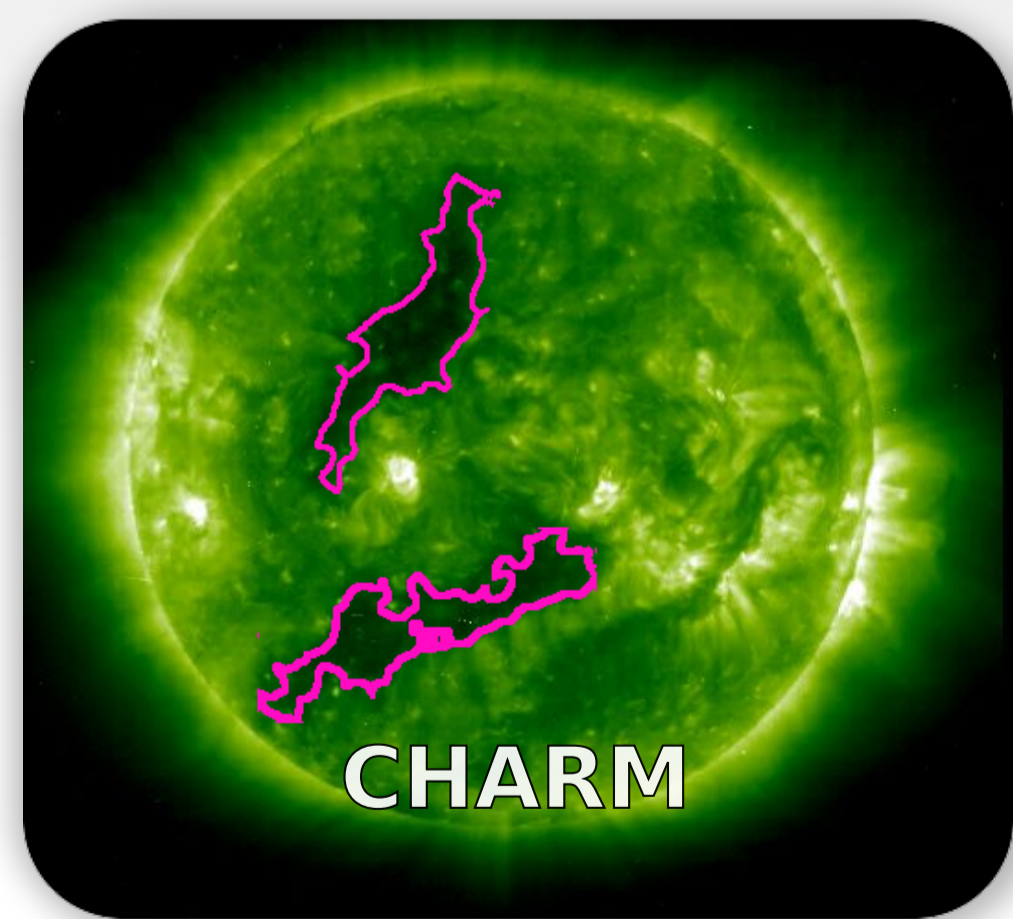
Near-Realtime Full Disk Images
Every 30 min full-disk images in EUV, X-rays, and optical wavelengths, together with magnetograms, are down-loaded, processed and added to SolarMonitor.
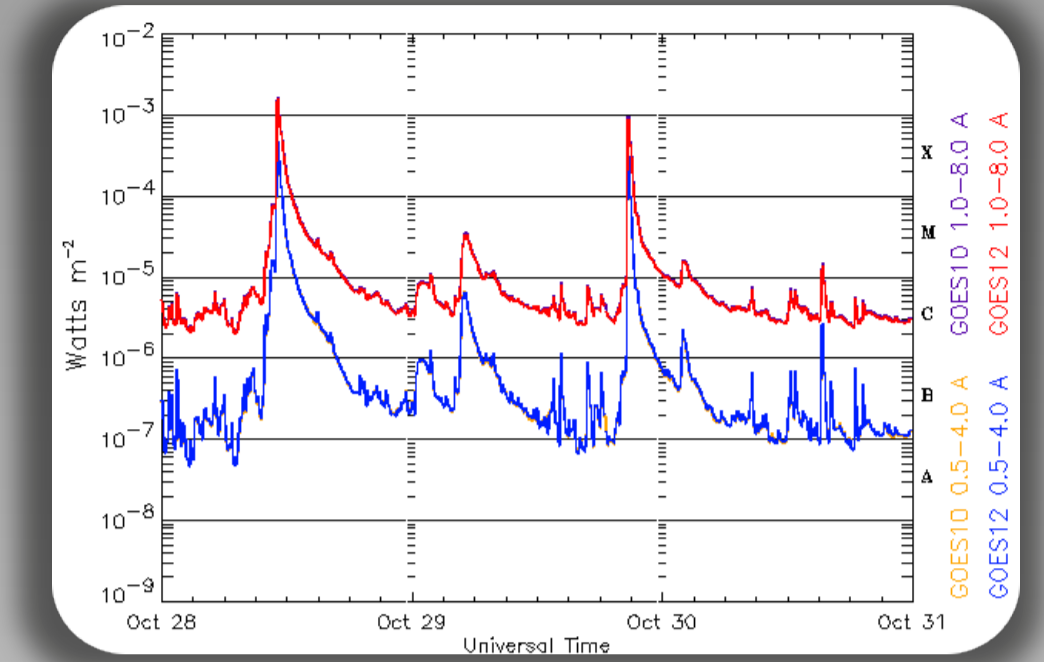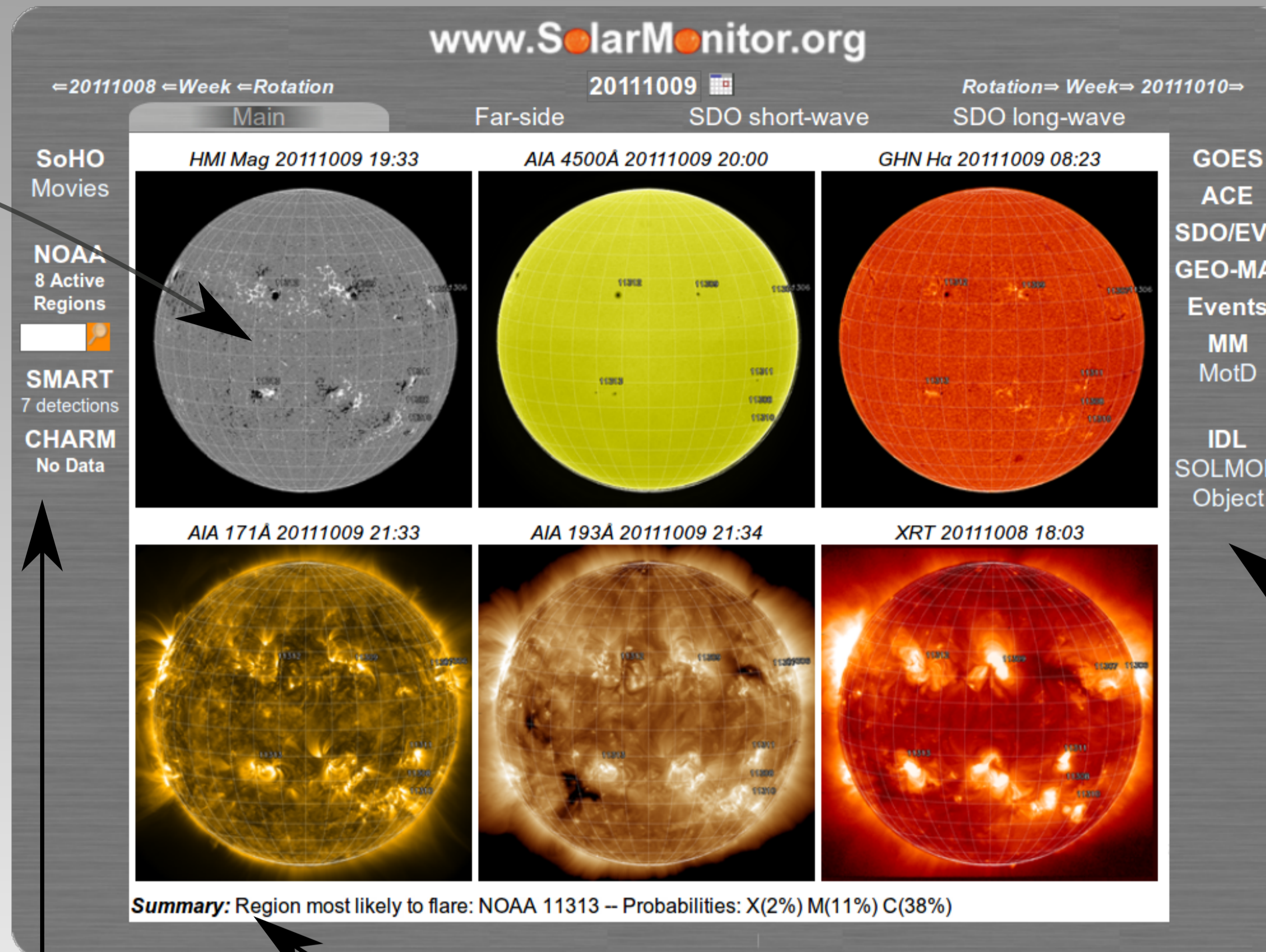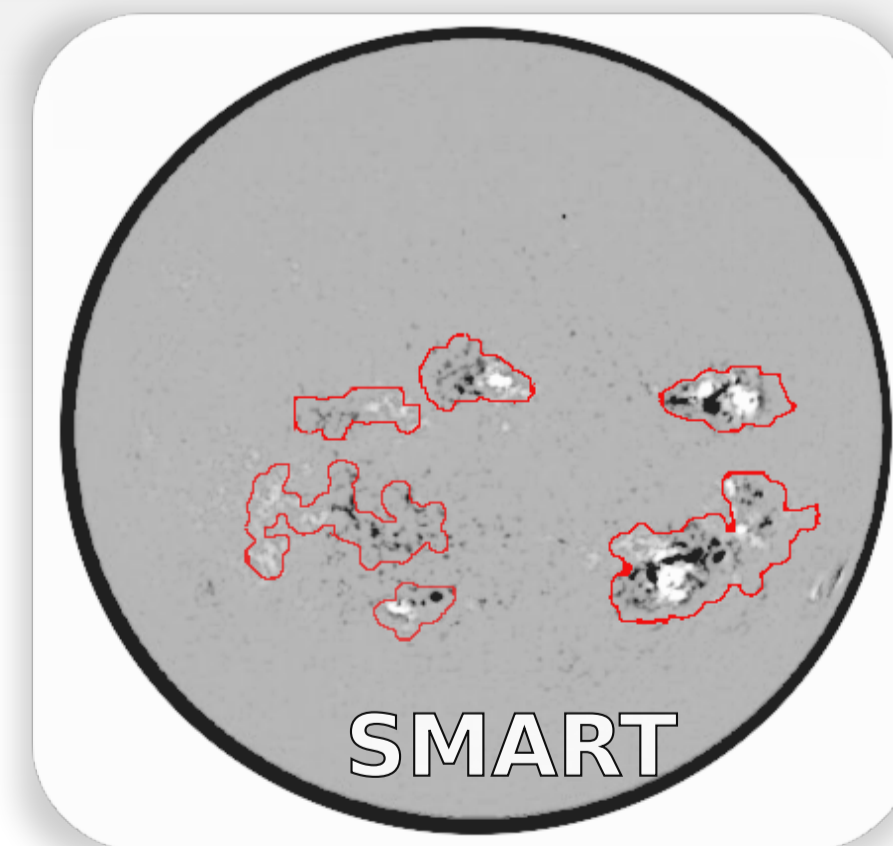
NOAA Active Regions
Properties of each AR are extracted and displayed on the main page toge-ther with the number of flares it has produced. Searches for previous ARs are also possible.

Automated Feature Detection
SolarMonitor.org includes algorithms that automatically detect and extract the properties of magnetic active regions (SMART) and coronal holes (CHARM). These detections are helpful for predicting flares and solar wind arrival times at Earth.

Time Series and In-situ Data
Data from instruments that measures the X-ray and EUV variability of the full sun, together with in-situ particle measurements are also included on the main site.

SolarSoft Access Software
IDL software is available in SolarSoft to search, download and display SolarMonitor.org data.

Flare Forecasting Service
SolarMonitor.org provides activity alert levels based on AR flaring probabilities from TCD's Poisson-based flare forecasting model and NOAA's Space Weather Prediction Center (SWPC).

SolarMonitor SmartPhone App
Soon it will be possible to browse SolarMonitor.org using a platform independent app.

By David Pérez-Suárez, Peter T. Gallagher, D. Shaun Bloomfield, Paul A. Higgins, Iain Billet, David O'Callaghan (TCD, Ireland)

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