

# Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

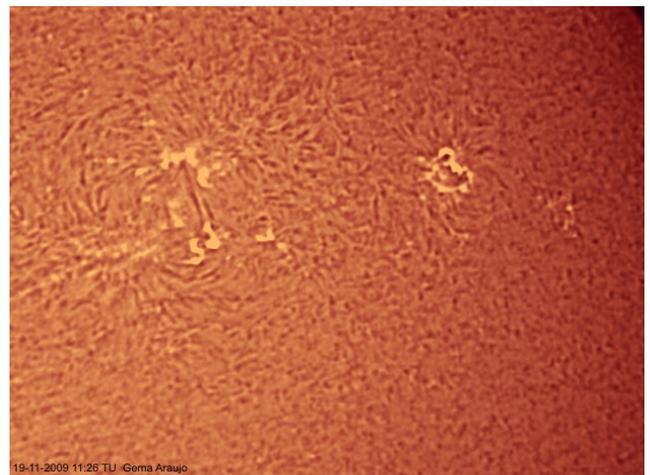
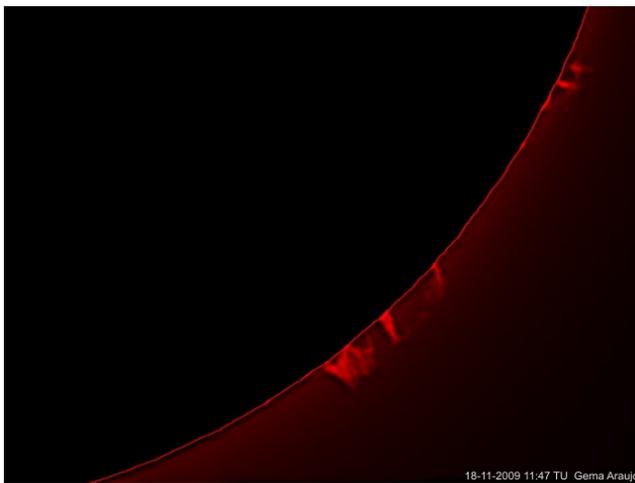


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These images were taken by Gema Araujo of Spain. The left image of prominences on November 18, 2009 at 11:47UT. The image to the right taken on November 19, 2009 at 11:26UT.

## Notice to all Sunspot Observers

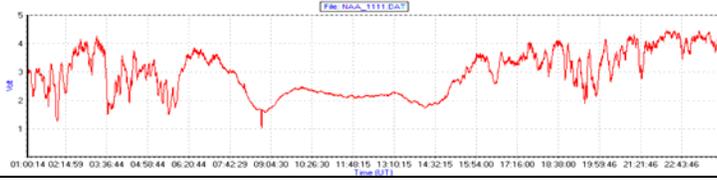
This bulletin is very short and missing sunspot counts for November 2009. For unforeseen reasons, all the email submissions were lost. We ask that you kindly resend the November 2009 sunspot data only. We also strongly encourage you to enter them in the official format using the SolObs or the Sunkey programs (or manual entry following the text format). Using the programs helps us quickly compile all the data for processing and reporting. The programs are available at the following link.

<http://www.aavso.org/observing/programs/solar/solarsoftware.shtml>

We will also be putting together a solar mailing list so we can make timely announcements to all our observers when important issues arise. Observers who have submitted electronically will be receiving a welcome email over the next few weeks. Again sorry for the short bulletin, but it will get corrected with your resent data.

# Sudden Ionospheric Disturbance Report

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## Sudden Ionospheric Disturbances (SID) Recorded During November 2009

(Analysis performed by Michael Hill, SID Analyst)

Date	Max	Imp	Date	Max	Imp	Date	Max	Imp
				NO				
				SID				
				Events				

Importance rating:	Duration (min)	1-: <19	1: 19-25	1+: 26-32	2: 33-45	2+: 46-85	3: 86-125	3+: >125
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Observer	Code	Station(s) monitored	Observer	Code	Station(s) monitored
A Clerkin	A29		L Obs	A107	
P King	A80		P Mortfield	A108	
M Hill	A87	NAA	M Suhovecky	A115	
L Anderson	A91		L Loudet	A118	
R Battailola	A96		J Godet	A119	
J Wallace	A97		F Adamson	A122	NWC
M King	A99		G Myers	A124	

## Solar Events

November once again was a month of very little activity on the sun. There were no correlated SID events reported by our observers. Not too surprising as there were only two flare events reported by the GOES satellite and both of these were minor B-Class events. Thanks to all of you for sending in your data and I wish you a very good year ahead.

## Solar Flare Summary Based on GOES-12 Data

