



UTC Time 16:40:20 Mon

SolarHam Main

SolarHam Ticker

Just Data

Gallery

Ham Radio

Regions

- 2197
- 2196
- 2195
- 2194
- 2192

[\[Details\]](#)  
[\[MAP\]](#)

Events

(<24h)

X2.0

M6.7

M7.1

M4.2

(<72h)

X2.0

X1.0

X3.1

[\[Details\]](#)  
[\[SolarSoft\]](#)



SC24

Top 10

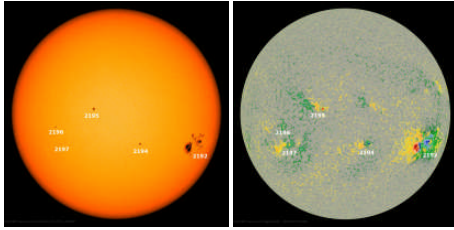
Flares

- 01. X6.9
- 02. X5.4
- 03. X4.9
- 04. X3.3
- 05. X3.2
- 06. X3.1
- 07. X2.8
- 08. X2.3
- 09. X2.2
- 10. X2.2

LINKS:

- ACE
- AIA
- CACTUS
- EVE
- GONG
- IPS
- ISWA
- LASCO
- OVATION
- POES
- SDAC
- SDO
- SIDC
- SOHO
- STEREO
- SWPC
- SXI

The Sun Today : Updated October 27, 2014



[Sunspots] [Rot-M]

Magnetogram

SOLAR FLUX | SOLAR REPORTS | ALERTS

Strong X2.0 Solar Flare detected at 14:47 UTC.

Solar-Terrestrial Data  
**27 Oct 2014 1627 GMT**  
**SFI: 217 SN: 138**  
**304Å: 127.0 @ EVE**  
**A: 13 K: 2**  
**X-Ray: M4.0**  
**Aurora: 8 / n=0.80**  
**Mag (Bz): 4.2**  
**Solar Wind: 387.4**  
**MUF Boulder: NoRpt**

Solar Flare Risk

M-Class: **85%**

X-Class: **55%**

Active Watches

Geomag. Storm **NO**

Radiation Storm **NO**

Data provided by NONBH

Solar X-Rays:  On  Off

Geomagnetic Field:  On  Off

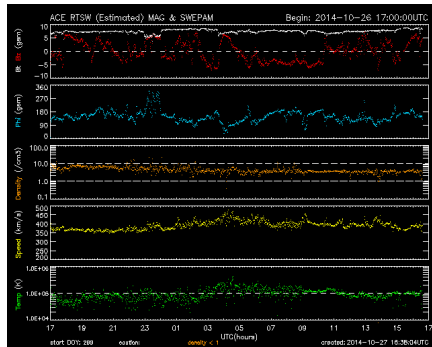
3-Day Geomagnetic Forecast [Details]

October 27	October 28	October 29
4 (G0) Max Kp	3 (G0) Max Kp	3 (G0) Max Kp
Prob-M 10% Prob-H 40%	Prob-M 05% Prob-H 30%	Prob-M 05% Prob-H 25%

Main Menu: [Click to View:](#)

REAL TIME SOLAR WIND - [ACE]

[Bz] [Solar Wind] [Pressure]



[Click for more data >>](#)

GLOBAL D-LAYER ABSORPTION

AVERAGES | SEPT. Solar Flux 146.1 | Sunspots 127.4 | Flare Max X1.6

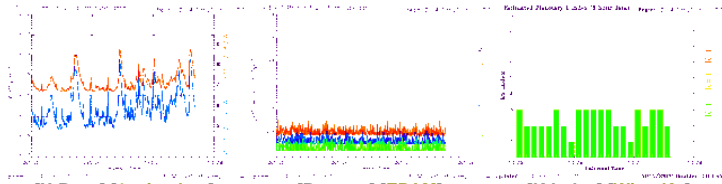


Welcome to SolarHam.com All of your solar and aurora needs in one place!



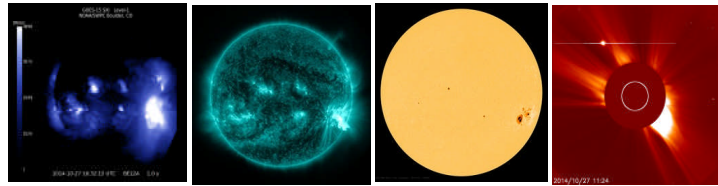
Monitor: [SUNSPOT SUMMARY](#) | [FAR SIDE WATCH](#)

SPACE WEATHER DATA - [MORE] [ACE](#) | [SDO](#) | [SOHO](#) | [STEREO](#) | [SXI](#)



[X-Rays] [1 min. data] [Protons] [EPAM] [K-Index] [Wing Kp]

IMAGERY - [MORE] [Helioviewer](#) | [SDO-Mov](#) | [SOHO-M](#) | [STEREO-M](#)



[GOES-15] SXI [SDO] AIA 131 [SDO] Intensity [Lasco] C2 >>

LATEST SPACE WEATHER NEWS AND UPDATES

**ZeroFive Antennas** **Monoband Verticals** **Rated #1**

ZeroFive is located in the United States and specializes in multi-band vertical antennas and much more.

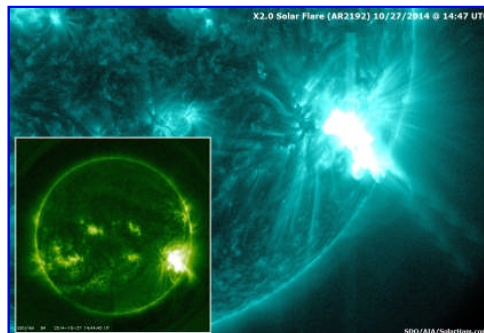
Off The Map Travel

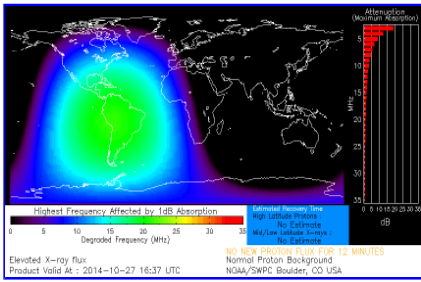
Wishing you could see the northern lights? Make that dream a reality!  
 Visit **Off The Map Travel** today.

**Added 10/27/2014 @ 14:40 UTC**

### X-Flare # 6 Detected

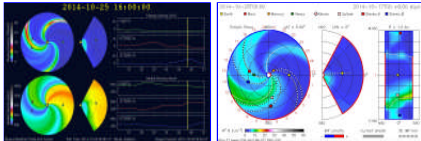
A strong X2.0 solar flare, now the sixth X-Class event around region 2192, was detected at 14:47 UTC. The event triggered a strong R3 radio black on the sunlit side of Earth. So far the event does not appear to be eruptive, meaning a noteworthy CME is not expected to follow. Click [HERE](#) for an updated event log.





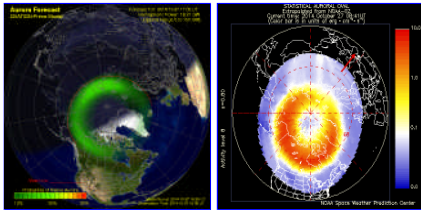
[Expand]

**CME PREDICTION MODELS | SWPC | ISWA**



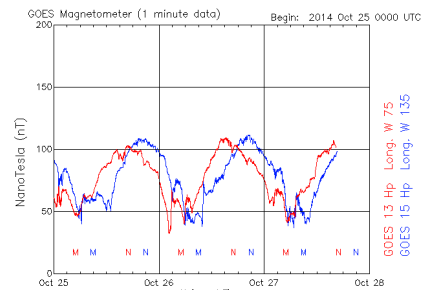
[Open CME Tracker]

**AURORAL OVAL | OVATION | POES**



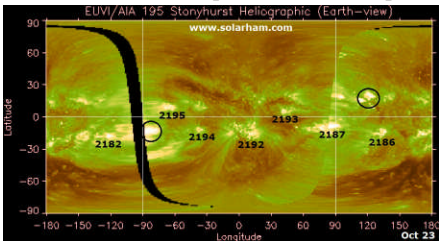
[Expand]

**GOES MAGNETOMETER - [Website]**



[More Magnetometers]

**Farside Watch - [STEREO Website]**



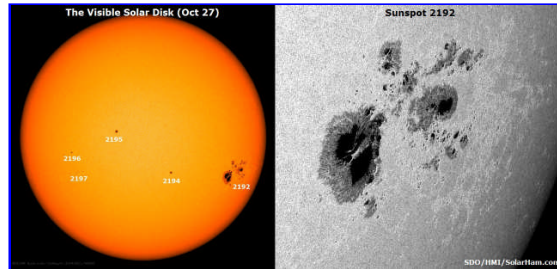
[SolarHam Farside Watch]

**SOLARHAM AURORA GALLERY**

**Updated 10/27/2014 @ 11:30 UTC**

**Solar Update / Flare Watch**

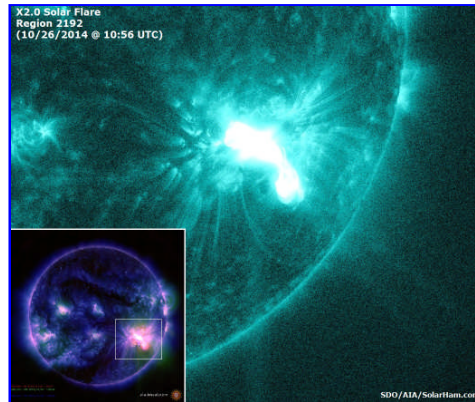
Good morning folks. Below is an updated look at the visible solar disk on Monday. Solar activity continued at high levels with at least 8 M-Class solar flares detected around region 2192 during the past 24 hours. Noteworthy events include an M7.1 flare at 00:34 UTC, and an M6.7 flare at 10:09 UTC Monday morning. Despite the ongoing flare output, we have yet to observe a substantial coronal mass ejection. The active region (2192) will remain a threat for additional moderate to strong solar flares as it gradually approaches the west limb. All other visible sunspot regions were stable. Continue to monitor SolarHam.com for the most up to date spaceweather data and imagery.



**Updated 10/26/2014 @ 11:45 UTC**

**Let's Make it Five**

Region 2192 will not let up. Attached image below courtesy of the Solar Dynamics Observatory (SDO) captures the fifth X-Class solar flare around the active region, this time an X2.0 peaking at 10:56 UTC Sunday morning. A strong R3 radio blackout was observed on the sunlit side of Earth. The latest event so far appears to have failed once again in producing a coronal mass ejection (CME). With the exception of producing bright flashes of energy as magnetic fields tangle, the magnetic layout and structure of the region is having a hard time releasing plasma. Click [HERE](#) to visit the updated event log.



**Older News Archive | Current Month**

Select Month:

**REPORTS AND FORECAST | 30 Day DSD | Data Warehouse**

**Prepared jointly by the U.S. Dept. of Commerce, NOAA, Space Weather Prediction Center and the U.S. Air Force. UPDATED 2014 October 27 1230 UTC**

.24 hr Summary...  
Solar activity reached high levels. Region 2192 (S12W52, Fkc/beta-gamma-delta) produced a pair of R2 (Moderate) flares (M7 at 27/0034 UTC and M6 at 27/1009 UTC) as well as six R1 (Minor) flares this period. Region 2192 began to show signs of minor penumbral decay and umbral consolidation but persists as the most productive and threatening region on the solar disk. The other regions on the visible disk were either stable or in decay. No Earth-directed coronal mass ejections (CMEs) were observed this period.



[\[Open Gallery\]](#)

**ABOUT SOLARHAM**

SolarHam is a website all about the Sun and how it affects Earth. It is also an Amateur (Ham) Radio website.

SolarHam is routinely updated with breaking news, sometimes hours before other Space News websites. You can trust SolarHam.com for the most up to date and accurate solar information on the internet.

SolarHam.com launched on March 15, 2006. The purpose of the website is to provide real time solar news, as well as data from various sources, all located in one spot for easy navigation. Sources include,

**NOAA Space Weather Prediction Center (SWPC),  
Solar Dynamics Observatory (SDO),  
Solar and Heliospheric Observatory (SOHO),  
Solar Terrestrial Relations Observatory (STEREO),  
Advanced Composition Explorer (ACE),  
Large Angle and Spectrometric Coronagraph Experiment (LASCO),**  
as well as many others.

This website is only online because of the kind financial support of its users and sponsors. If you would like to support the work that I do, please consider a donation if at all possible. Click [HERE](#) for more information.

**40,270,000  
Unique Visitors  
Since April, 2006  
Thank You!**



.Forecast...

Continued M-class (R1-R2 (Minor-Moderate)) flare activity is expected and X-class (R3 or greater) flare activity is likely over the next three days (27-29 Oct) due to Region 2192s persistent activity.

[\[Full Report and Forecasts\]](#)  
[\[Report of Solar-Geophysical Activity\]](#)

**NOAA SUNSPOT SUMMARY | SolarHam Sunspot Summary**

```
:Solar_Region_Summary: 2014 Oct 26
```

# Region	Location	Sunspot Characteristics						
#	Helio					Spot	Spot	Mag.
# Num	Lat.,CMD	Long.	Area	Extent	class	count	class	
2192	S12W46	248	2750	17	FKC	60	BGD	
2193	N06W87	289	60	2	HAX	1	A	
2194	S12W09	211	60	2	HAX	2	A	
2195	N08E21	181	100	11	ESI	10	B	
2196	S03E40	162	20	1	HAX	1	A	
2197	S12E38	164	30	5	DRO	4	B	

**A - Alpha (single polarity spot).**  
**B - Beta (bipolar spot configuration).**  
**G - Gamma (atypical mixture of polarities).**  
**BG - Beta-Gamma (mixture of polarities in a dominantly bipolar configuration).**  
**D - Delta (opposite polarity umbrae within single penumbra).**  
**BD - Beta with a Delta configuration.**  
**BGD - Beta-Gamma with a Delta configuration.**

[\[Latest NOAA Sunspot Summary\]](#)  
[\[Latest Solar Region Summary \(SRS\)\]](#)  
[\[SolarHam Sunspot Summary\]](#)

**FLARE PROBABILITIES | Latest Report | Flare Summary | Sunspot Map**

```
:Solar Flare Probabilities (%)
```

```
:3-Day Outlook
```

```
:Whole_Disk_Flare_Prob:
```

Class	M	X	P
Class_M	85	85	85
Class_X	55	55	55
Proton	40	45	45

```
#
```

```
# Region Flare Probabilities for 2014 Oct 27
```

# Region	Class C	M	X	P
:Reg_Prob: 2014 Oct 26				
2192	99	85	55	35
2193	15	1	1	1
2194	15	1	1	1
2195	50	5	1	1
2196	10	1	1	1
2197	10	1	1	1