

題名 ISWI Newsletter – Vol. 4 No. 26  
差出人 George Maeda

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\* ISWI Newsletter – Vol. 4 No. 26 08 March 2012 \*  
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Attachment(s):

- (1) "snapshot", 500 KB pdf, one page.

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: Re:  
: Solar event of 8 March 2012.  
:  
:

Dear ISWI Participant:

As you may have heard, another solar event has just occurred.

Some details of it are available at [www.spaceweather.com](http://www.spaceweather.com)  
-- I attach a snapshot of the website.

It contains a movie of the sun spewing out streams of gas.  
This is indicated at the bottom of my attached pdf.  
Check it out. (You have to visit the actual website to  
view the movie, however.)

Cordially yours,

: George Maeda  
: The Editor  
: ISWI Newsletter



Subscribe to SpaceWeather News go!

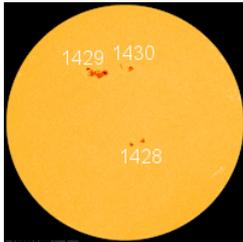
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### Current Conditions

**Solar wind**  
speed: **293.0** km/sec  
density: **5.8** protons/cm<sup>3</sup>  
[explanation](#) | [more data](#)  
Updated: Today at 0722 UT

**X-ray Solar Flares**  
6-hr max: **C7** 0253 UT Mar08  
24-hr: **C7** 0253 UT Mar08  
[explanation](#) | [more data](#)  
Updated: Today at: 0700 UT

Daily Sun: 08 Mar 12

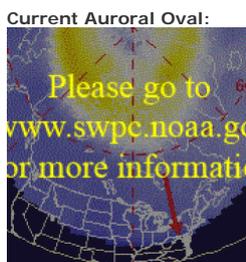


Big sunspot 1429 poses a continued threat for [X-class](#) solar flares. Credit: SDO/HMI

**Sunspot number: 102**  
[What is the sunspot number?](#)  
Updated 07 Mar 2012

**Spotless Days**  
Current Stretch: 0 days  
2012 total: 0 days (0%)  
2011 total: 2 days (<1%)  
2010 total: 51 days (14%)  
2009 total: 260 days (71%)  
Since 2004: 821 days  
Typical Solar Min: 486 days  
Updated 07 Mar 2012

**The Radio Sun**  
10.7 cm flux: **136** sfu  
[explanation](#) | [more data](#)  
Updated 07 Mar 2012



Switch to: [Europe](#), [USA](#), [New Zealand](#), [Antarctica](#)  
Credit: NOAA/POES

**Planetary K-index**  
Now: Kp= **1** quiet  
24-hr max: Kp= **6** storm  
[explanation](#) | [more data](#)

**Interplanetary Mag. Field**  
B<sub>total</sub>: **7.4** nT  
B<sub>z</sub>: **3.8** nT north  
[explanation](#) | [more data](#)  
Updated: Today at 0757 UT

Coronal Holes: 08 Mar 12

### What's up in space

Metallic photos of the sun by renowned photographer Greg Piepol bring together the best of art and science. Buy one or a whole set. They make a stellar gift.



**GEOMAGNETIC STORM UPDATE:** A CME propelled toward Earth by yesterday's X5-class solar flare is expected to reach our planet on March 8th at 0625 UT (+/- 7 hr). Analysts at the Goddard Space Weather Lab, who prepared [the CME's forecast track](#), say the impact could spark a strong geomagnetic storm. Sky watchers at all latitudes should be alert for auroras. **Aurora alerts:** [text](#), [phone](#).

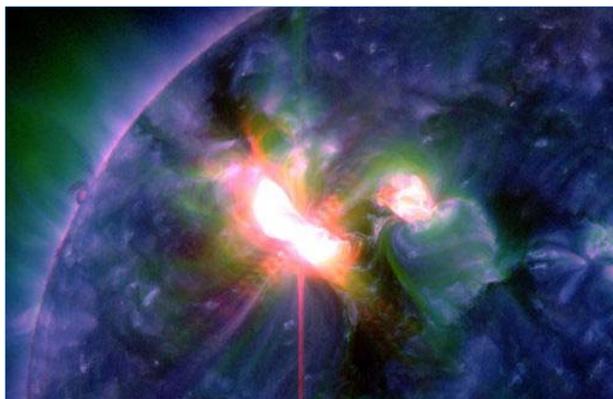
Mild geomagnetic activity is already [underway](#) following a lesser CME impact on March 7th. Shortly after the cloud arrived, a burst of Northern Lights appeared over the US-Canadian border. Shawn Malone photographed the display from the shores of Lake Superior:



"I was lucky to catch this brilliant outburst of aurora activity that was very active for close to an hour," says Malone, who has also made a [time-lapse video](#) of the display. "The aurora had no problem shining through the moonlit skies."

**more images:** [from Eric Frigon](#) of Banff National Park , Alberta, Canada; [from John Welling](#) of Ashland, Wisconsin; [from Justin Phillips](#) of New Auburn, Wisconsin; [from Truls Tiller](#) of Tromsø, Norway; [from Stephen Voss](#) of Sandy Point, New Zealand; [from Olivier Du Tré](#) of Cochrane, Alberta; [from Manu Keggenhoff](#) of Jake's Corner, Yukon, Canada; [from Ed Stockard](#) of Sun Mt Lodge, Methow Valley, Washington

**MAJOR SOLAR FLARE (UPDATED):** Big sunspot AR1429 has unleashed another major flare. This one is the strongest yet, an X5-class eruption on March 7th at 00:28 UT. NASA's Solar Dynamics Observatory recorded the extreme UV flash:



This eruption hurled a bright CME into space. [show here](#) in a movie from the Solar and Heliospheric Observatory. Analysts at the Goddard Space Weather Lab estimate that the CME will reach Earth on March 8th at 0625 UT (+/- 7 hr), possibly triggering a strong-to-severe geomagnetic storm. An [animated forecast track](#) shows the progression of the fast-moving cloud.

Thursday, Mar. 8, 2012

### archives

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A movie of the sun.