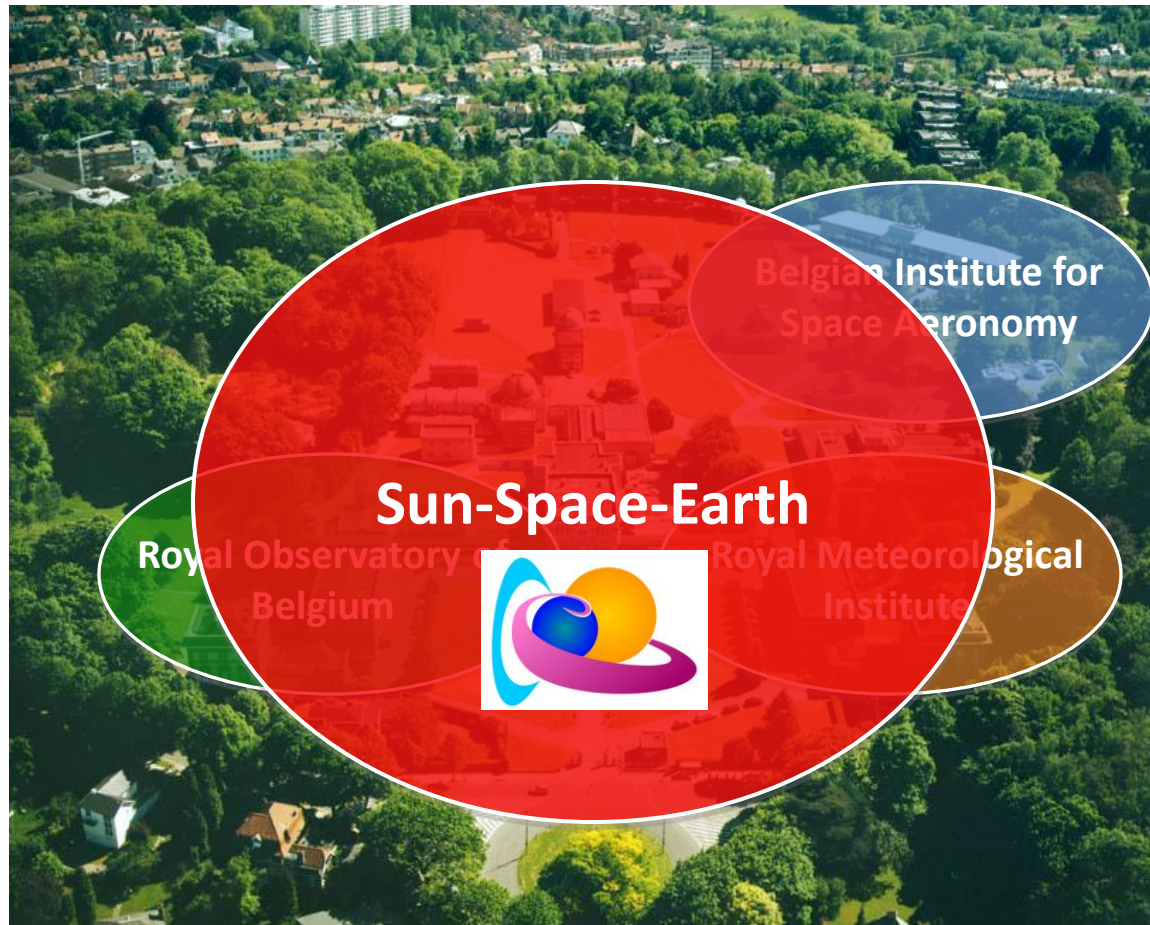
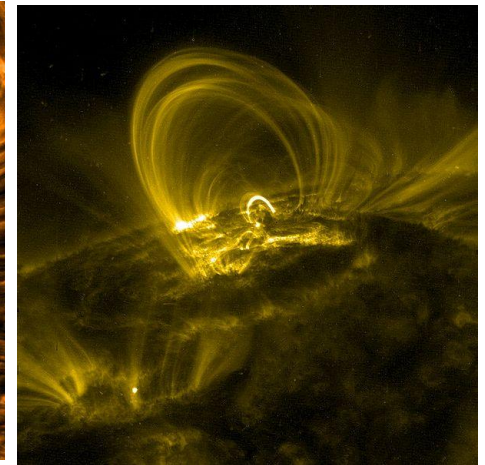
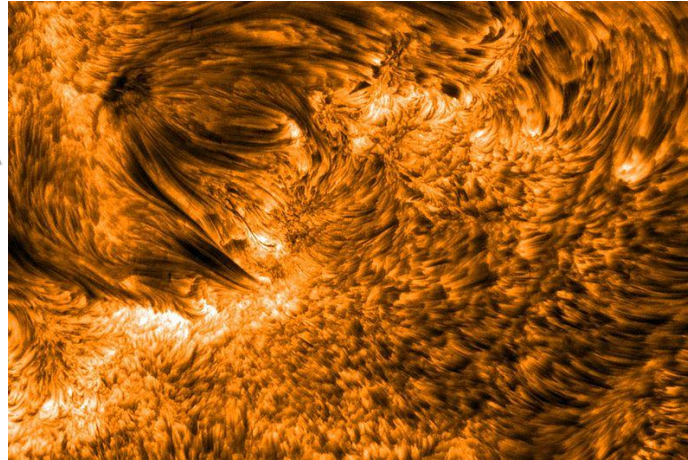
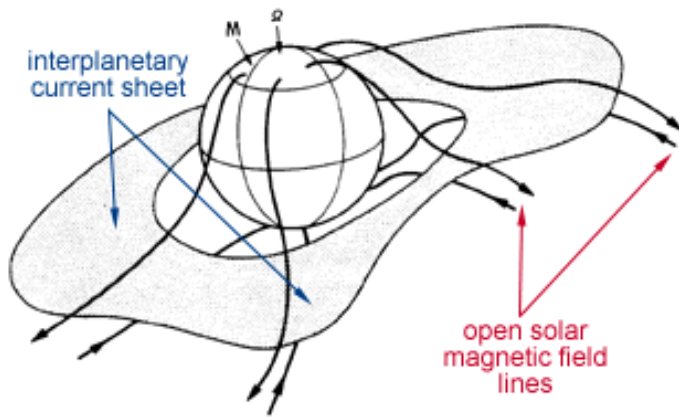


Where communication and space weather meet

Petra Vanlommel

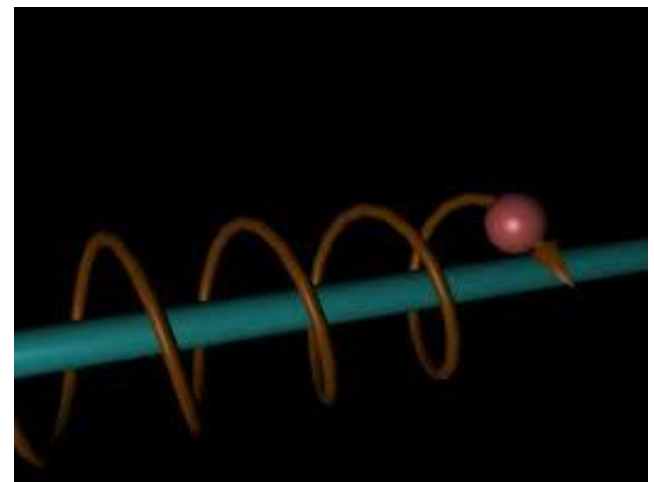
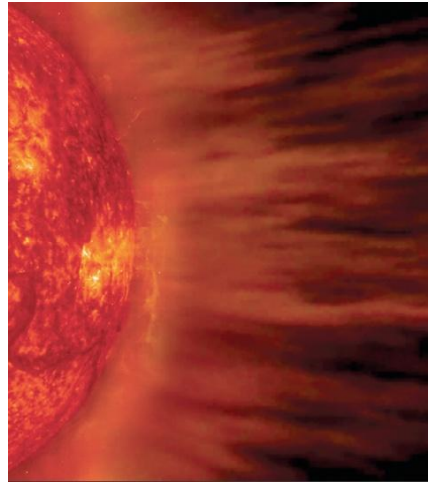
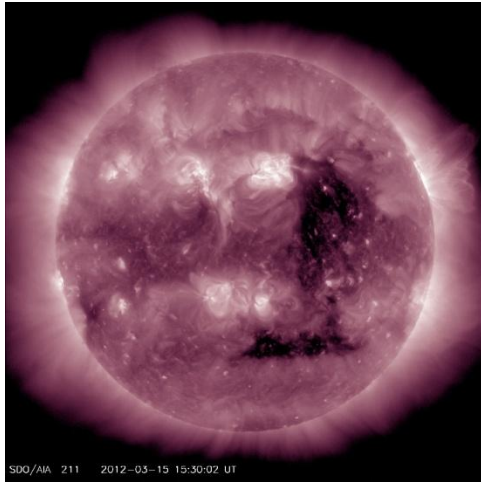
Bundling know-how





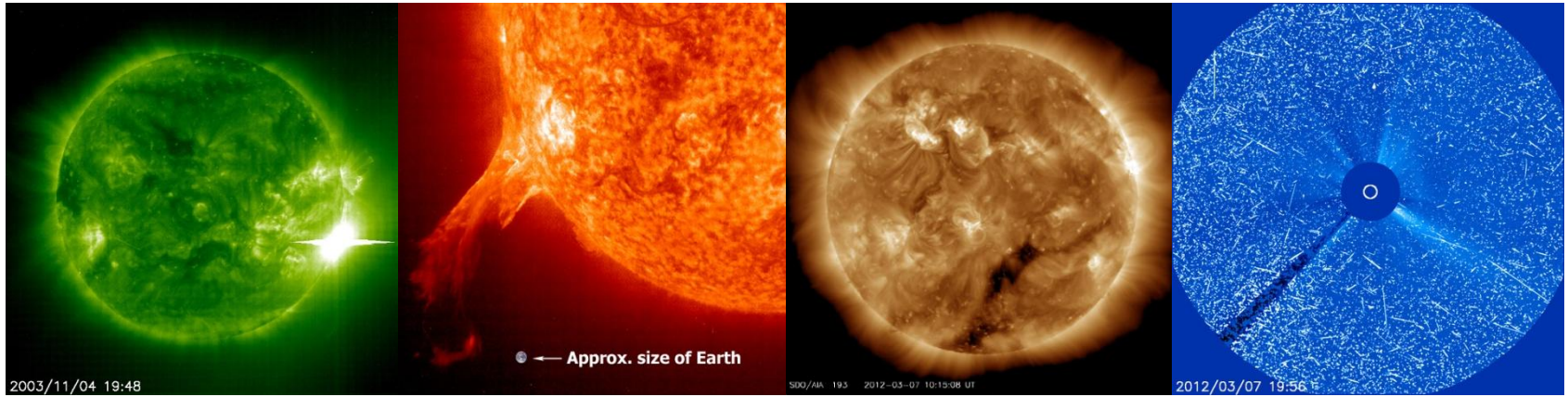
Magnetism

Dynamic



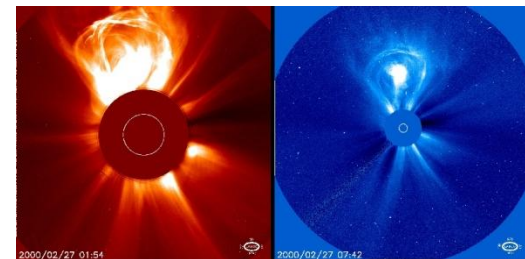
Energy

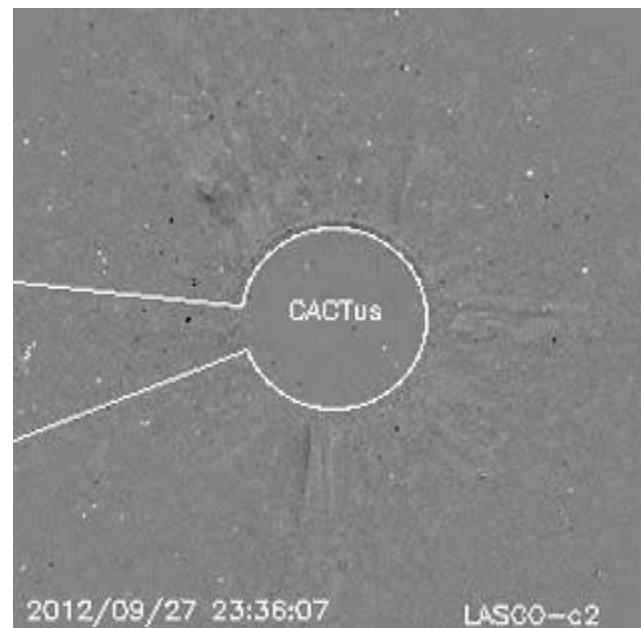
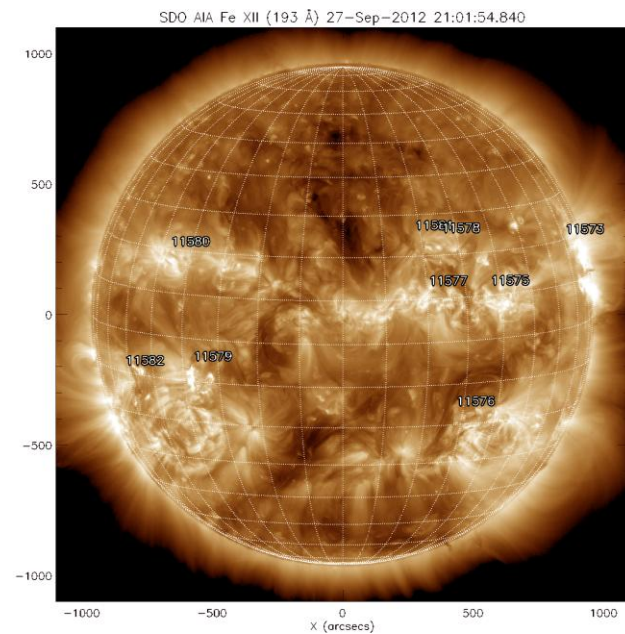
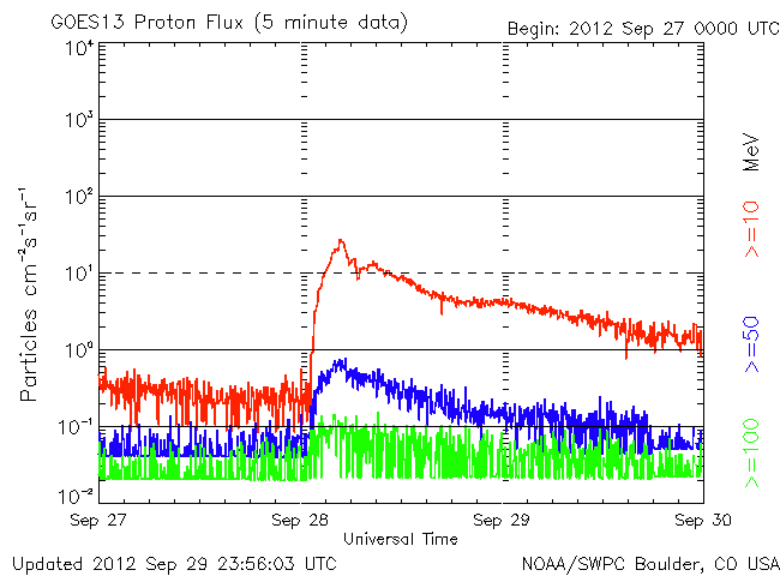
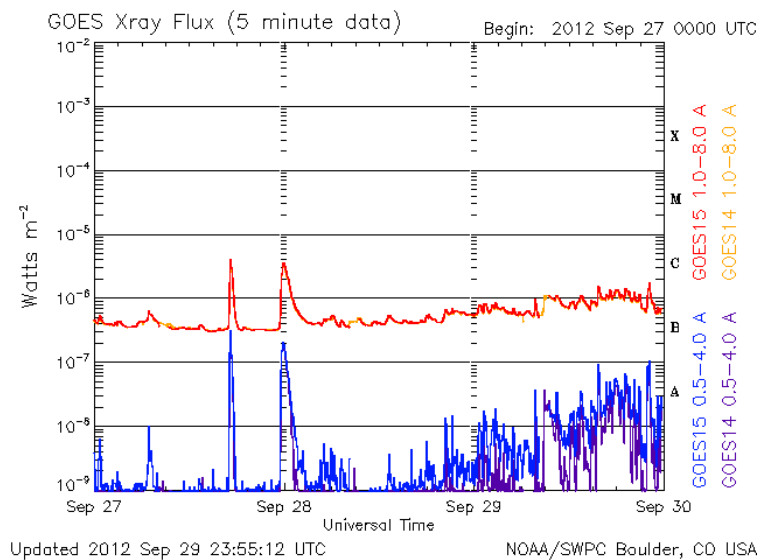
Irradiance – Plasma - particles

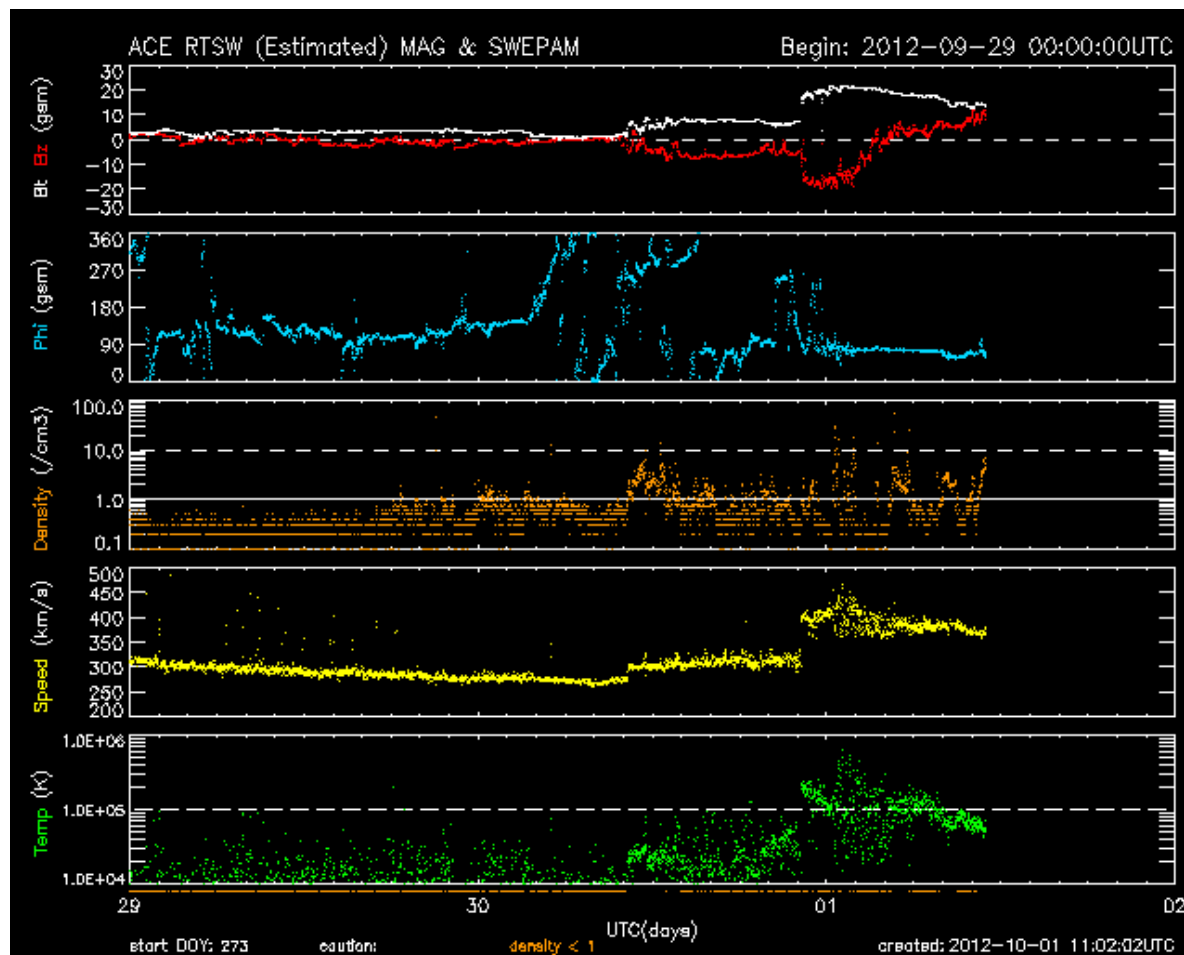


Saison - Weather

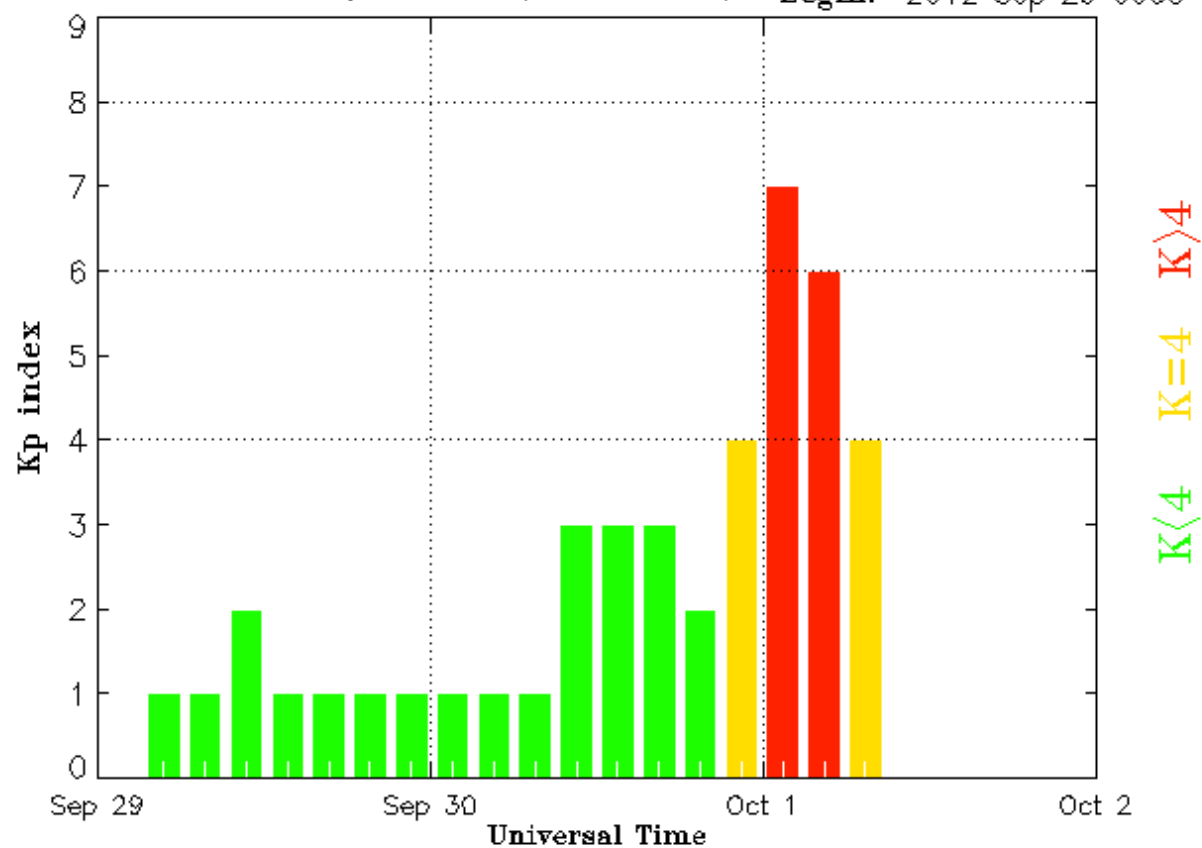
flare – CME/CH – proton storm







Estimated Planetary K index (3 hour data) Begin: 2012 Sep 29 0000 UTC



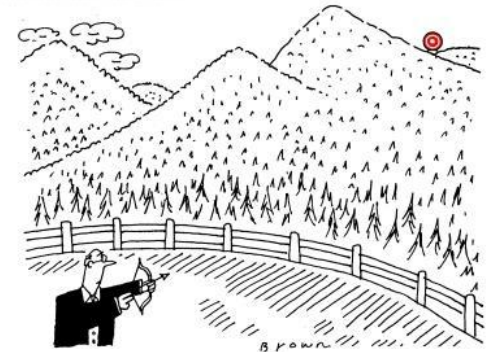
Updated 2012 Oct 1 11:10:05 UTC

NOAA/SWPC Boulder, CO USA



Communication Plan

Who - What – When – Why – How –
by Whom – Evaluation



CEO BARNEY BINGLE REASSURED ANALYSTS THAT HIS
COMPANY'S EARNINGS TARGET IS STILL IN SIGHT

Who : Target groups

Non-professionals & non-scientists
Non-professional & scientific interest
Students
Scientist
Funding agencies
commercial entities

Why

Benefit

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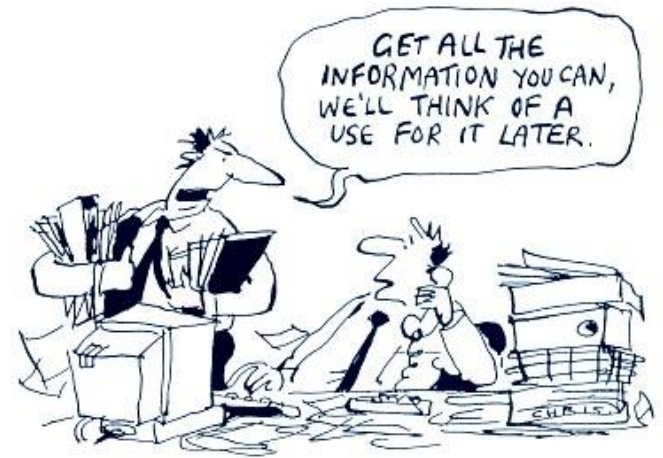


Search ID: jhm99

“...And do you John take Jennifer to be your lawfully wedded wife? To have and to hold, to write off on your taxes?”

What

General – focused info
science results



Approach - Tactics

1 way or 2 way

Static – dynamic

By Whom

Depends on approach and sort of information



Evaluation

European Space Weather Portal

EUROPEAN SPACE WEATHER PORTAL

The European gateway to Space Weather resources

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Navigation

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Welcome

SUBMITTED BY SCIN EXPOSE ON WED, 12/09/2009 - 16:32

Welcome to the European Space Weather¹ Portal (ESWeP¹), an Integrated website providing a centralized access point to the space weather¹ community to share their knowledge and results. Initiated under the COST 724 Action and hosted by the Belgian Institute for Space Aeronomy¹, the ESWeP will be further developed in the framework of various European space weather¹ projects.

On the left-hand side of this website, you will find the ESWeP¹ menu. It provides links to web services, contact pages and various outreach pages. You will also find a login section, where you can register if you want to. Registered users have more privileges than others. There is also a search engine which you can use to find text contained in this website.

A service for the general public

On the ESWeP¹, a large section is devoted to education and outreach. Children as young as five years old are invited to get involved in some of these activities. For example, artworks illustrating space weather¹ made by primary school children from several countries are presented on the website. Most of the outreach pages are translated into different languages thanks to the contribution of several members of the COST Action. You will be able to see the translations by searching on the right-hand side of the website. Please note that if no translation is available English is used as the default language.

You can read more about Space Weather¹ on our Introduction page. The Portal provides also a platform to run local and remote models and access their results both in graphical and various numerical forms.

We are pleased to announce that the Ninth European Space Weather¹ Week will take place at the Académie Royale de Belgique, Brussels, Belgium, 5-9 November 2012.

This meeting is being jointly organised by the Belgian Solar-Terrestrial Center of Excellence (STCE), the COST ES0803 communities, ESA¹ and the Space Weather¹ Working Team. The local organisation is done by the STCE. This event will build on the advances made during previous European Space Weather¹ Weeks and preceding ESA¹ Space Weather¹ Applications Workshops.

Now in its 9th year, the ESWW has grown into the main annual event in the European Space Weather¹ calendar. This year's event will highlight key innovations in space weather¹ research, applications and services. The meeting will also focus on current challenges and actions necessary in moving towards a sustainable Space Weather¹ Infrastructure able to meet the requirements of a diverse end-user community. The final session of the week will present the final results of the COST Action ES0803 "Developing Space Weather¹ Products and Services in Europe".

The meeting will centre on 7 open sessions addressing a number of topical themes. Furthermore, it is expected that the main sessions will again be complemented by a diverse range of splinter and business meetings covering topical themes.

More Information: <http://www.sidc.be/esww9/>

Upcoming events

- 63rd International Astronautical Congress in Naples, Italy
13/01/2012 - 00:00
- UN/Ecuador Workshop on the International Space Weather Initiative in Ecuador
13/08/2012 - 00:00
- Space Weather and Challenges for Modern Society in Oslo, Norway
13/22/2012 - 00:00

Plasmasphere density



SEP event forecast



[Add your forecast]

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Password:

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- Request new password

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- Real Time Data
- Seminars

SIDC - Solar Influences Data Analysis Center


m: Minor geomagnetic storm expected
Protest: Proton event in progress

Welcome to the Solar Influences Data Analysis Center (SIDC), which is the solar physics research department of the Royal Observatory of Belgium. The SIDC includes the World Data Center for the sunspot index and the ISES Regional Warning Center Brussels for space weather forecasting.

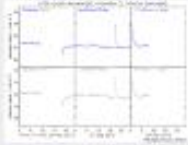
PRESTO FROM SIDC - RWC BELGIUM Fri Sep 28 2012 1204 UT

A C3.7 flare occurred in the vicinity of NOAA AR 1577 on Sept. 27, 2336 UT (peak time), triggered both a weak proton event (>10 Mev protons) whose level is near the threshold of 10 plu at the moment, and a fully developed halo CME as observed with LASCO C2 data. The expansion speed estimated from this instrument ranges from about 700 to 1000 km/s. At the moment, only partial observations of the CME are available from the COR2 instruments onboard STEREO, allowing only a crude speed estimate of about 1300 km/s. On-disk signatures of a coronal EUV waves extending to the East of the region, nearly up to the central meridian, together with the halo nature of the CME, suggest this event will be geoeffective with a risk for minor storm conditions or greater by midday on Sept. 29


Latest SWAP image



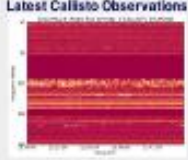
Latest LYRA curve



Latest USET H-alpha image



Latest Callisto Observations



Most recent alerts

2012 Sep 28 0100 UTC
A halo or partial-halo CME was detected with the following characteristics: [\[more\]](#)

2012 Sep 28 1205 UTC
A C3.7 flare occurred in the vicinity of NOAA AR 1577 on Sept. 27, 2336 [\[more\]](#)

2012 Aug 22 0952 UTC
END OF ALL QUIET ALERT..... The SIDC - RWC Belgium expects [\[more\]](#)

Latest News


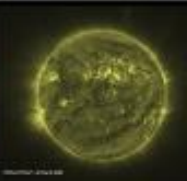
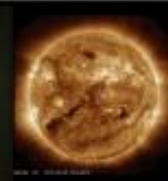
Sep 27, 2012 : The Solar Corona according to PROBA2

Sep 20, 2012 : A Hamen's jump to fame

Sep 13, 2012 : All quiet on the solar front

Sep 10, 2012 : The STCE hosts the 5th Solar Orbiter Workshop

Sep 7, 2012 : Die-Hard 2: The explosive finale

#-----#
FAST WARNING 'PRESTO' MESSAGE from the SIDC (RWC-Belgium) #
#-----#

An interplanetary shock wave was detected yesterday by ACE around 22:15 UT and by SOHO/CELIAS at 22:21 UT. The solar wind speed jumped from 310 km/s to 395 km/s and the interplanetary magnetic field (IMF) magnitude jumped from 7 nT to 15 nT. The solar wind speed in the post-shock flow reached 450 km/s, indicating that the shock was driven by the ICME corresponding to the full halo CME observed on the Sun on September 28. The IMF magnitude reached 22 nT and was directed southward right after the shock, with north-south IMF component B_z reaching -20 nT. This led to geomagnetic storm conditions ($K_p = 7$ reported by NOAA and local $K = 5$ reported by Dourbes and IZMIRAN today after midnight). Currently the IMF is directed steadily northward and the geomagnetic activity is decreasing. As the IMF magnitude remains elevated (around 15 nT), further geomagnetic disturbances are not excluded.

STCE Newsletter

3 Sep 2012 - 9 Sep 2012



*Published by the STCE - this issue : 13 Sep 2012.
The Solar-Terrestrial Centre of Excellence (STCE) is a collaborative network of the Belgian Institute for Space
Aeronomy, the Royal Observatory of Belgium and the Royal Meteorological Institute of Belgium.*

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6.Geomagnetic Ob...	7.New documents ...	8.Future Events			

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2. Review of solar activity (3 Sep 2012 - 9 Sep 2012)
3. Noticeable Solar Events (3 Sep 2012 - 9 Sep 2012)
4. PROBA2 Observations (3 Sep 2012 - 9 Sep 2012)
5. Review of geomagnetic activity (3 Sep 2012 - 9 Sep 2012)
6. Geomagnetic Observations at Dourbes (3 Sep 2012 - 9 Sep 2012)
7. New documents in the European Space Weather Portal Repository
8. Future Events

The STCE Newsletter



The banner features a green and orange aurora background. On the left, the acronym 'SWSC' is displayed in large white letters. To its right, the journal's full name is written in smaller white text. In the bottom right corner, there is a small link to the EDP Sciences Journals List.

SWSC

Journal of
Space Weather and
Space Climate

[EDP Sciences Journals List](#)

Journal for SWSC

European Space Weather Week



Training schools





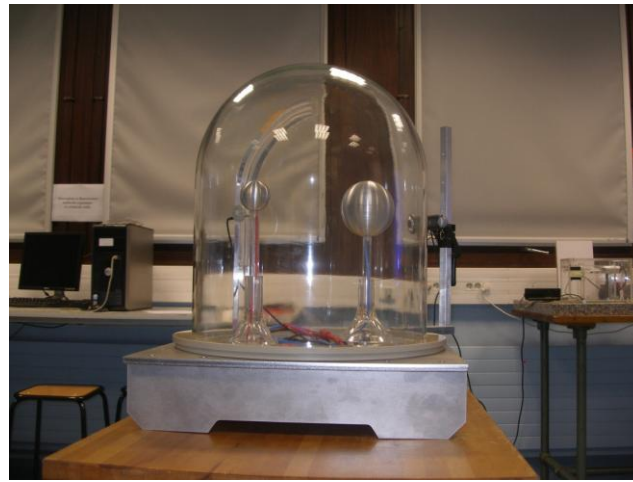
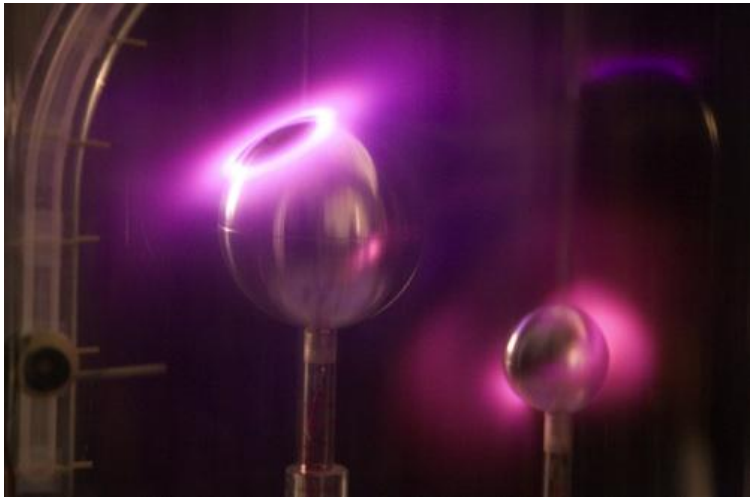
"Well what will it be—I've only got one shot left."

One shot events

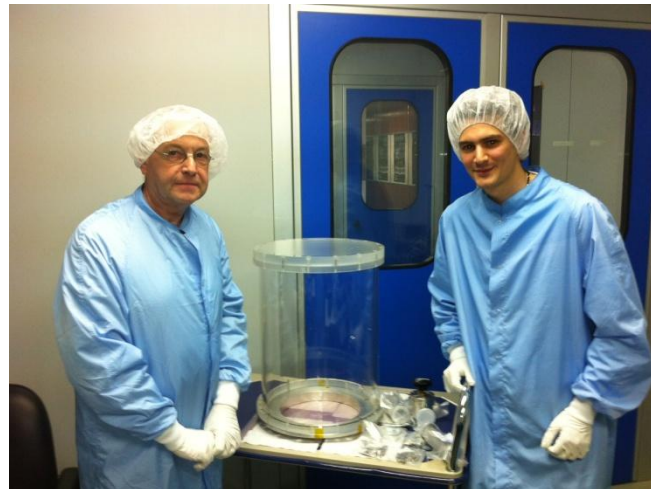
General public

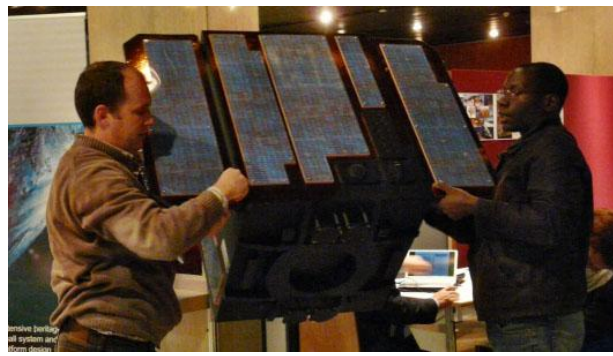
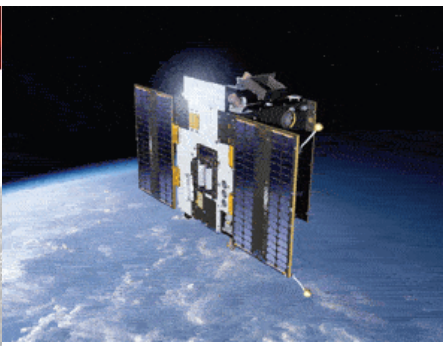
I love my Sun





Planeterrella





PROBA2

Government – press conferences

Broad public – press conferences, press releases, publications

Schools – proba2@school

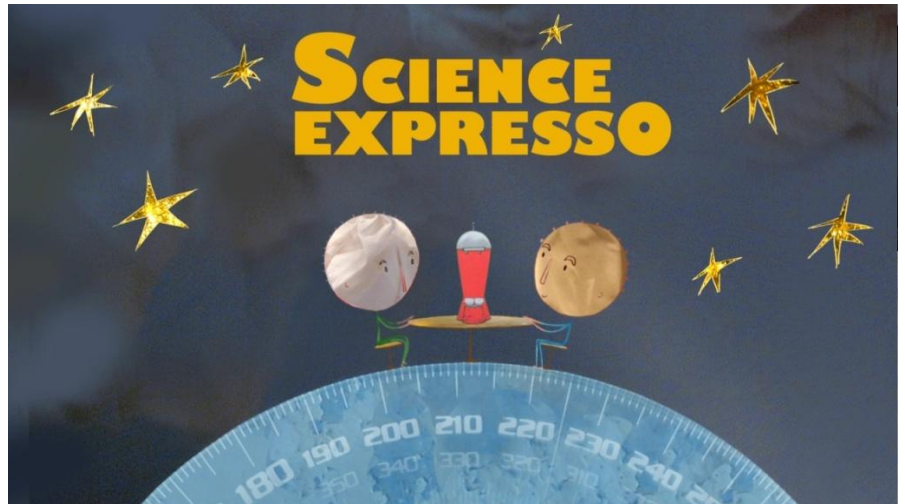
Amateur astronomers – presentations, publications in journals
and on the website

Scientists – GIP, data, presence at ESWW

Jr College



Science Expresso



'I have a question'



STEL JE VRAAG AAN EEN WETENSCHAPPER

Ik heb
een **vraag**

Conclusions

Dedicated people – a scientist?

Target group > the general public