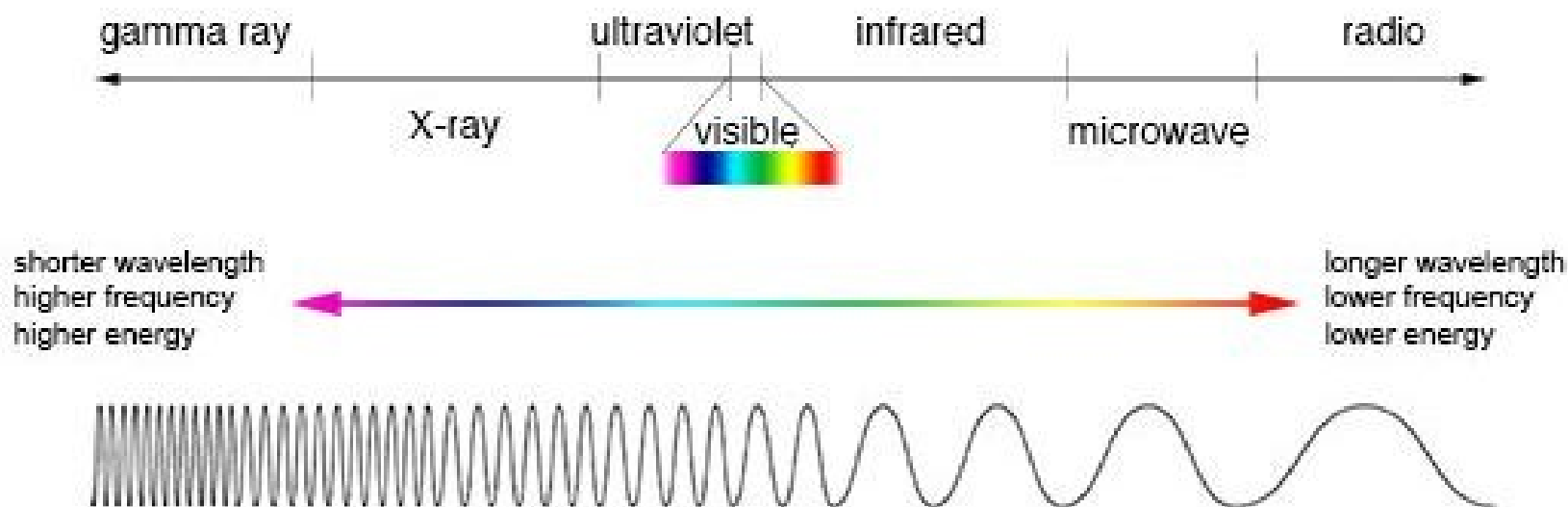


Hírközlési kísérletek a hatvan méteres hullámhosszak alkalmazásával



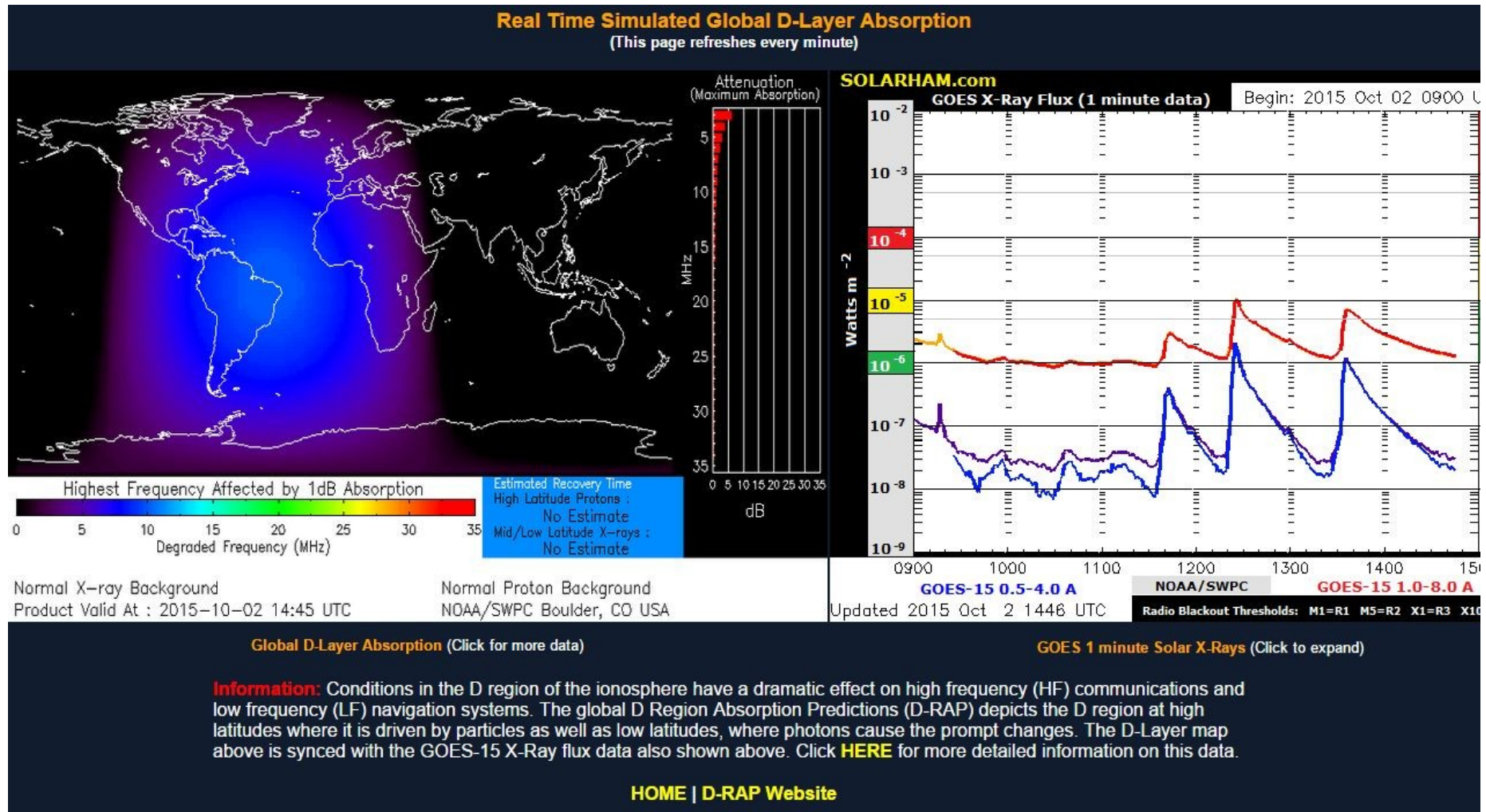
Készítette Bató András HA6NN és Fábíán Tamás HA5FTL

A Nap elektromágneses sugárzása



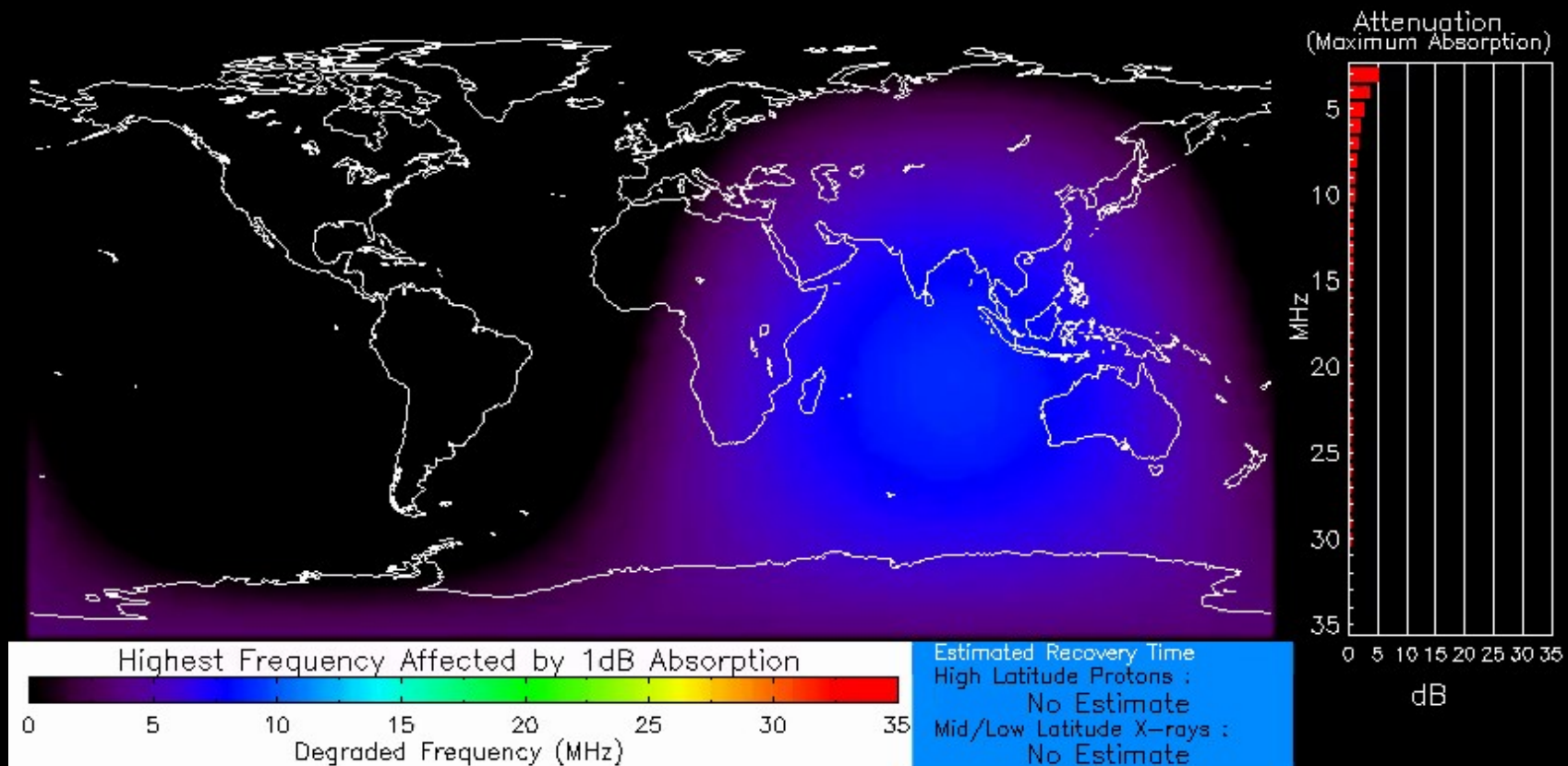
Comparison of wavelength, frequency and energy for the electromagnetic spectrum.
(Click image for a larger version.)

Geostationary Operational Environmental Satellite



<http://www.swpc.noaa.gov/products/d-region-absorption-predictions-d-rap>

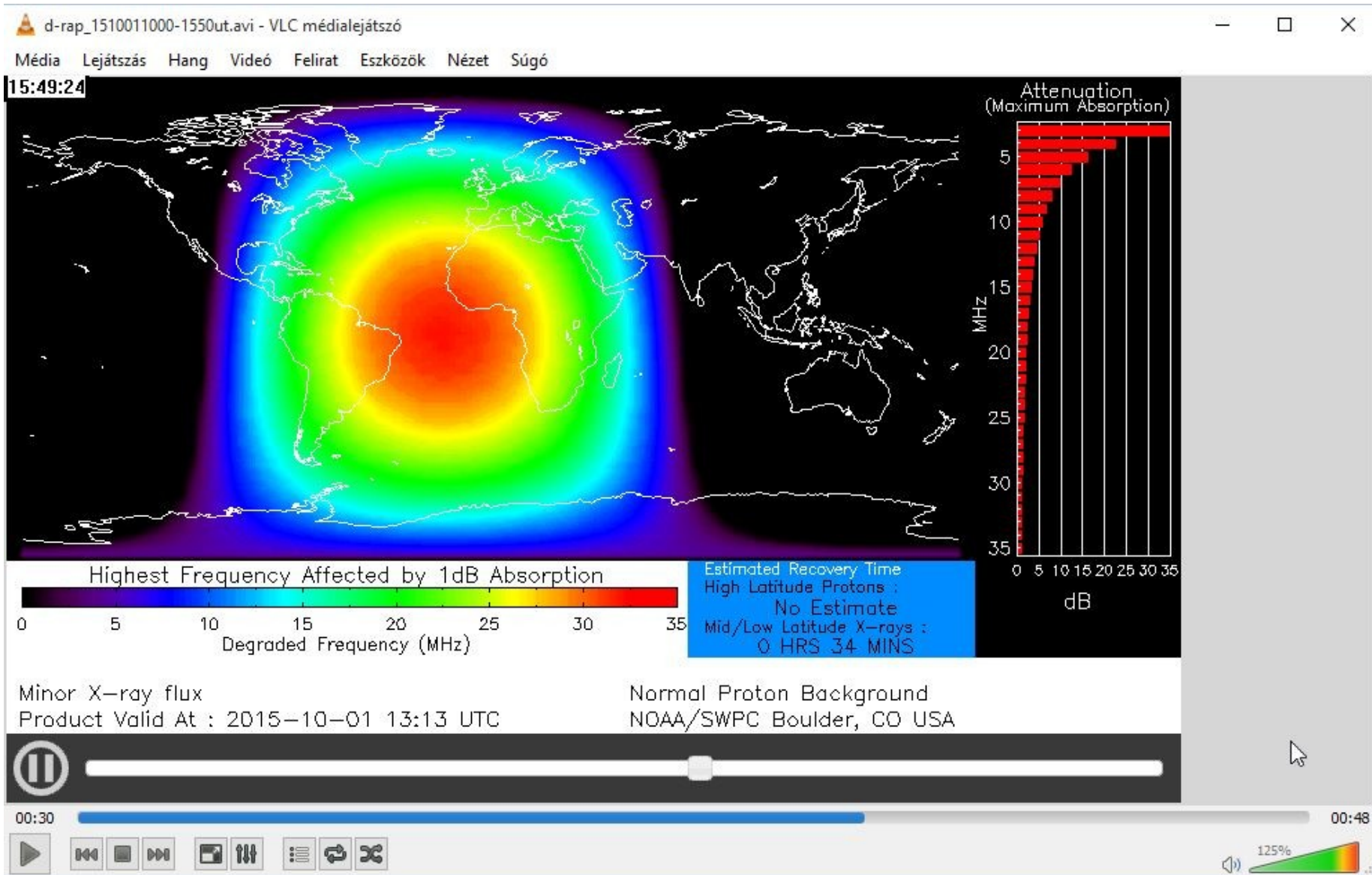
<http://www.solarham.net/globald.htm>



Normal X-ray Background
Product Valid At : 2015-11-01 06:17 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA

A D-réteg maximális abszorpciója: 13:13 UTC



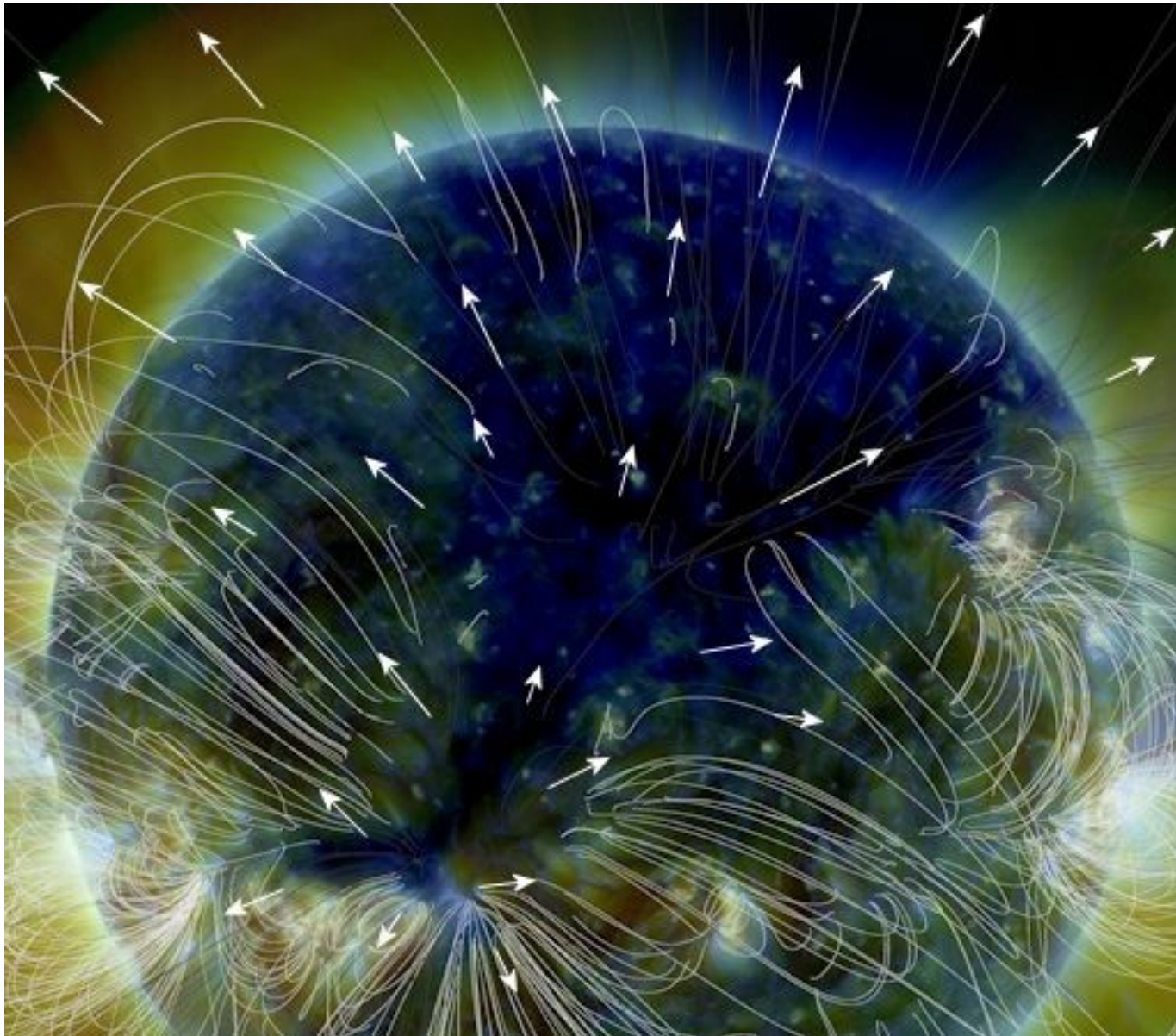
A napszél sebessége

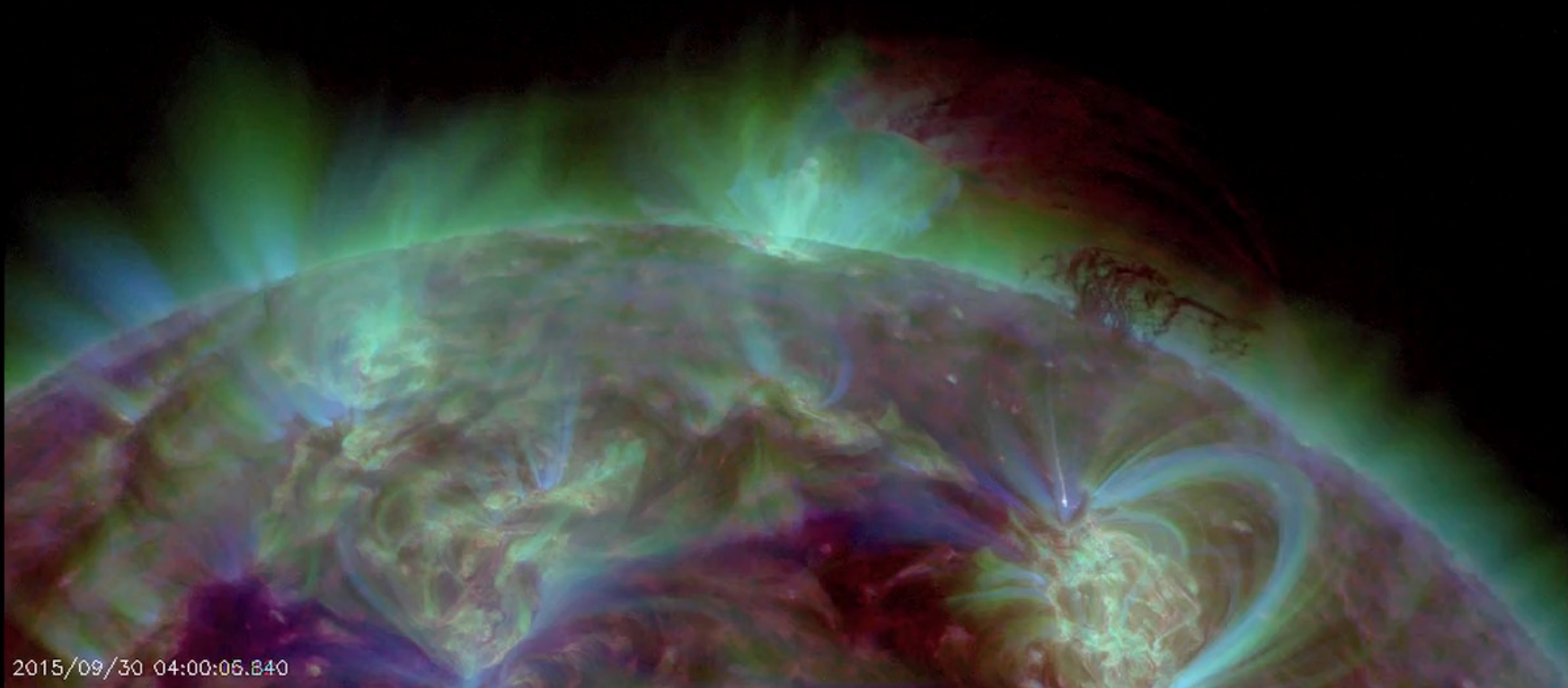
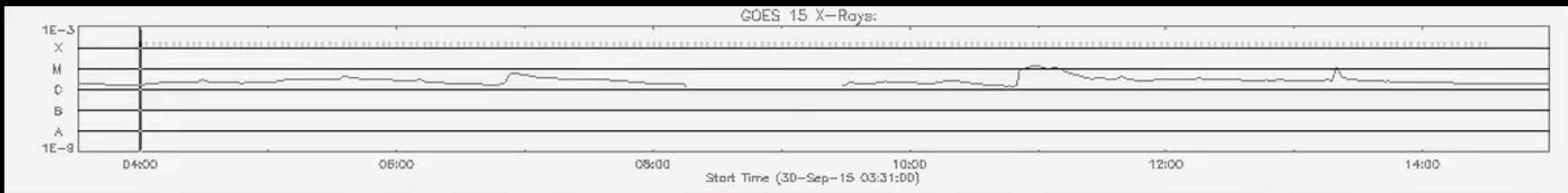
260 – 2000 km/s

A napszél forrásai

- Koronalyukak
- Flerek
- Plazmatömeg-kilöködések (CME)
- A nyugodt Nap

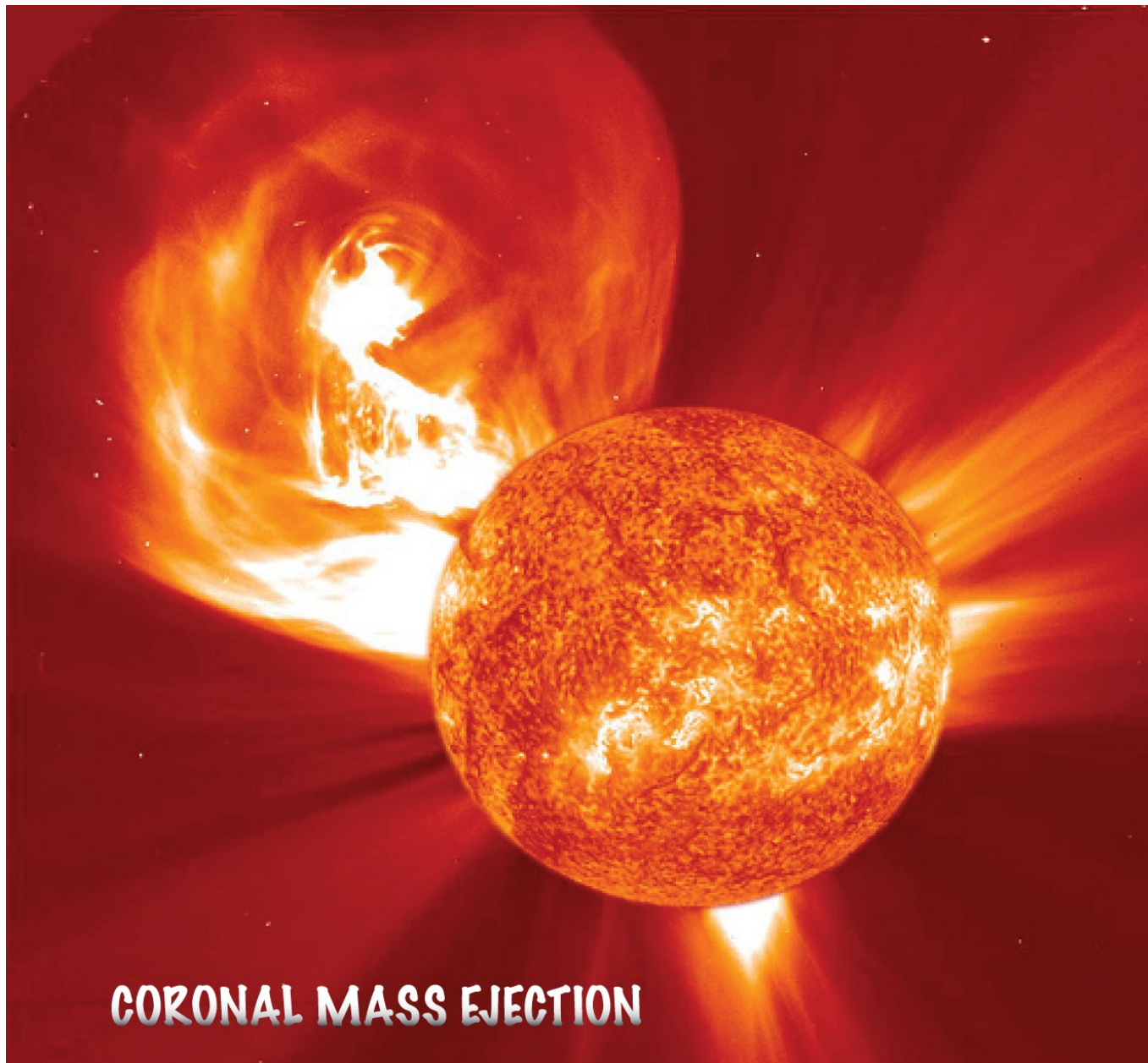
Koronalyuk CH695 2015. október 13.





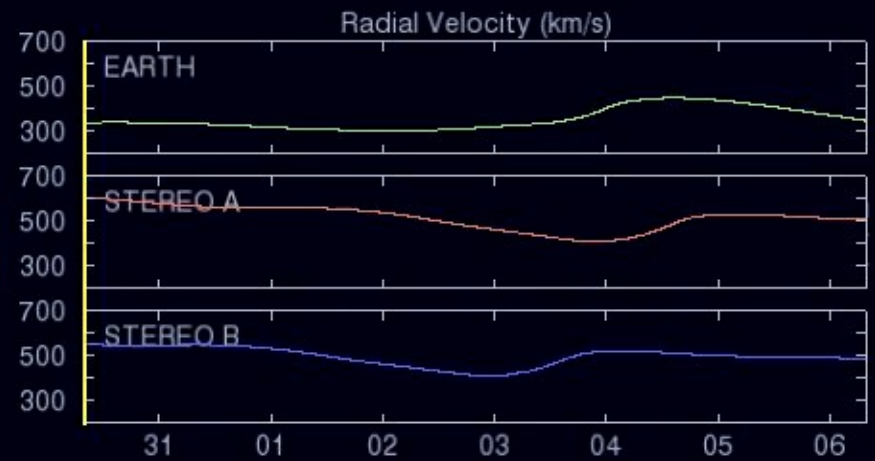
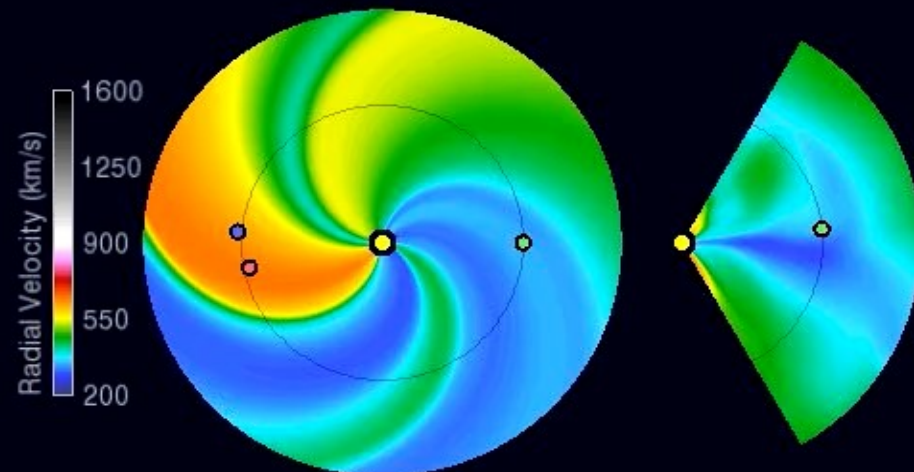
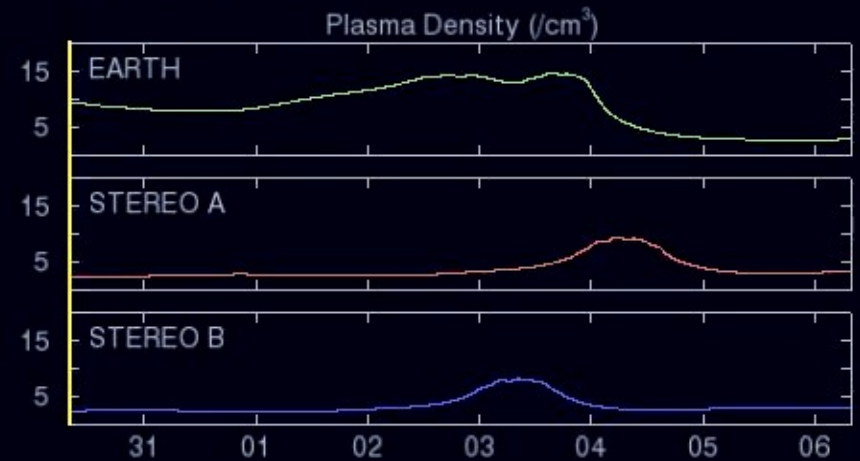
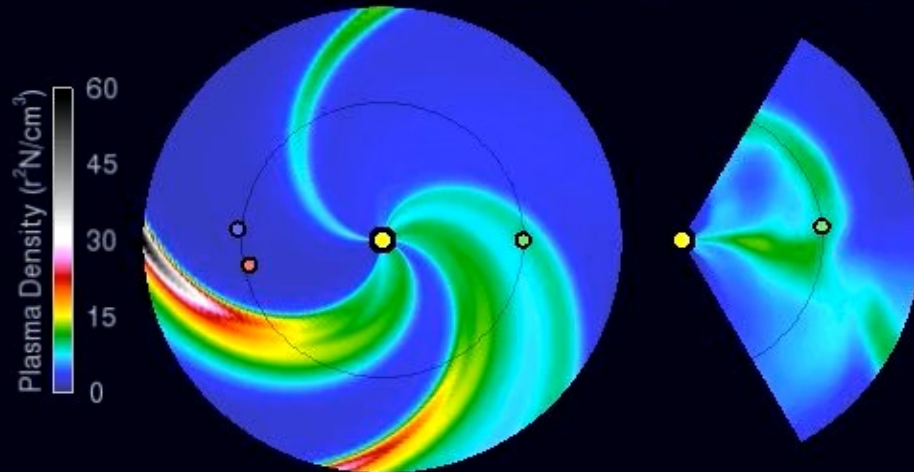
Solar flare



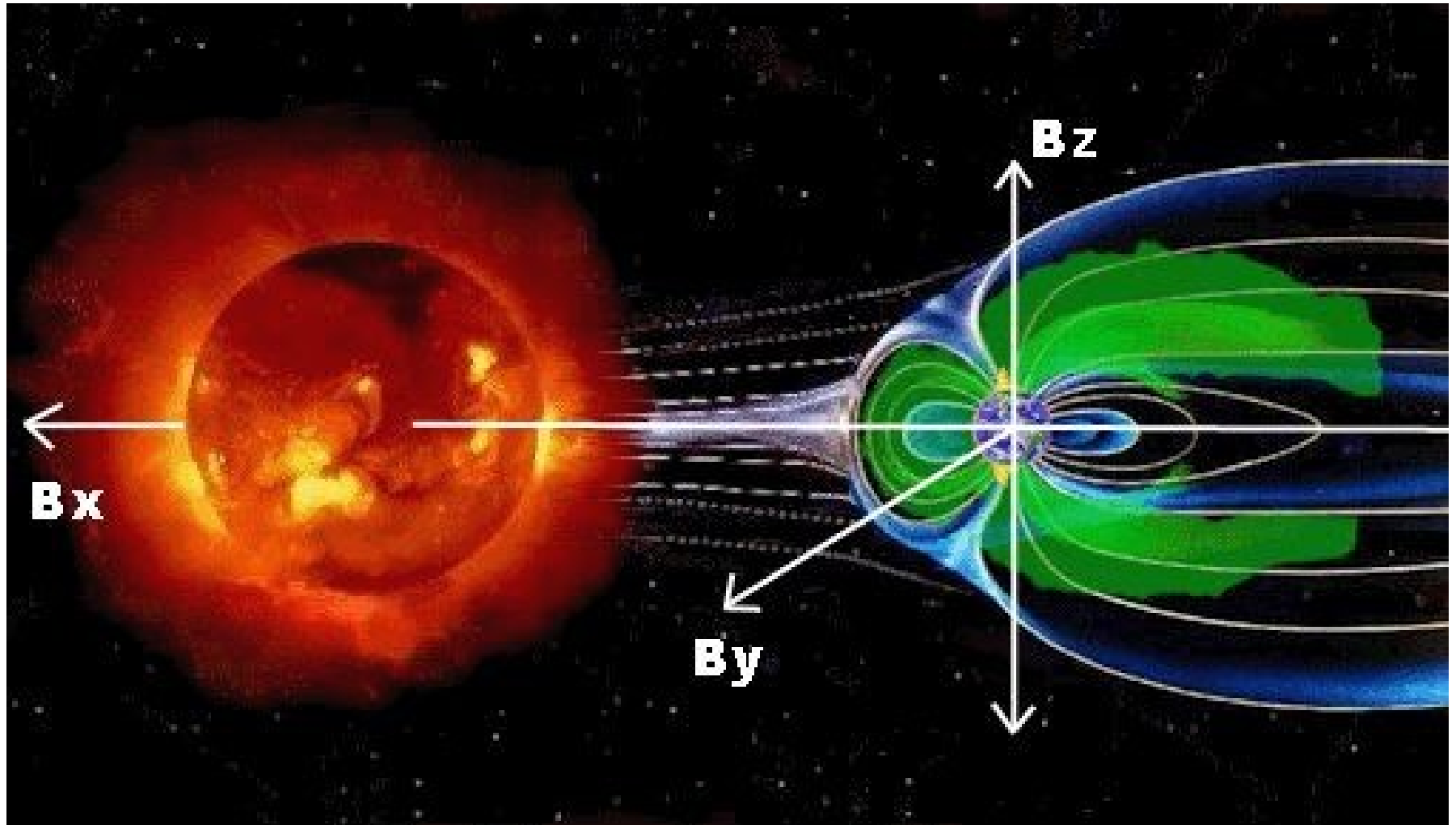


Forrás: <http://www.cmso.info/cme>

2015-10-30 08:00:00



IMF Interplanetary Magnetic Field

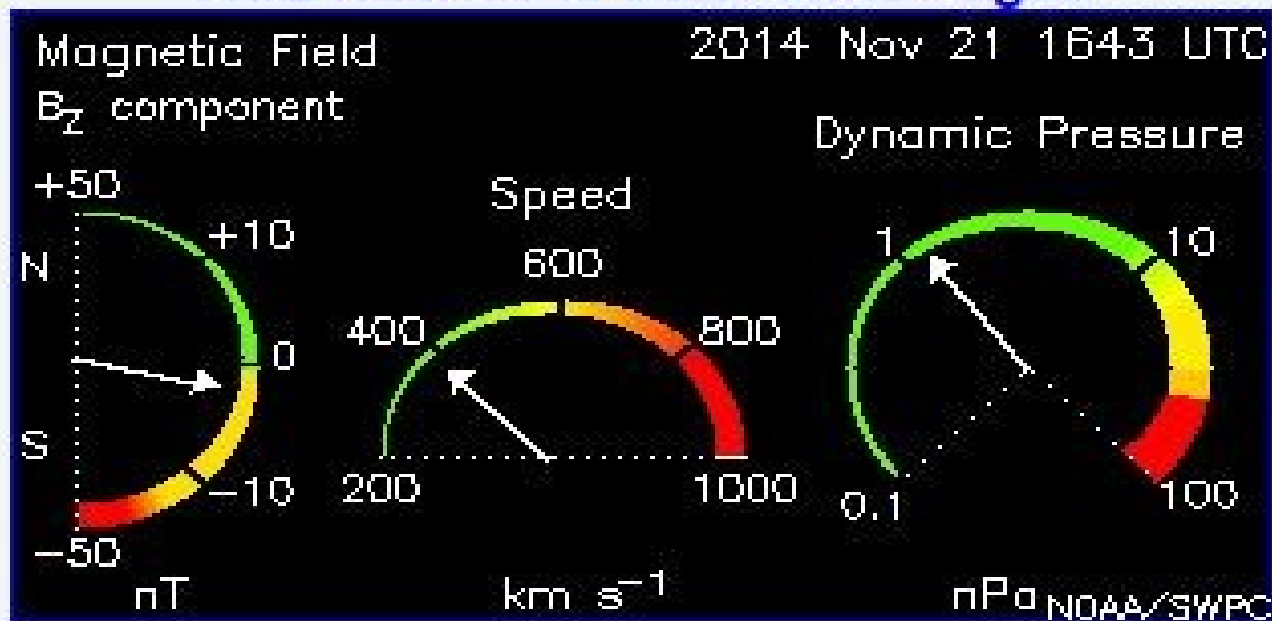


Advanced Composition Explorer

Alerts

Latest Alert: Nov 21 1529 UTC EXTENDED WARNING:
Geomagnetic K-index of 4 expected

ACE Real-Time Solar Wind Pages

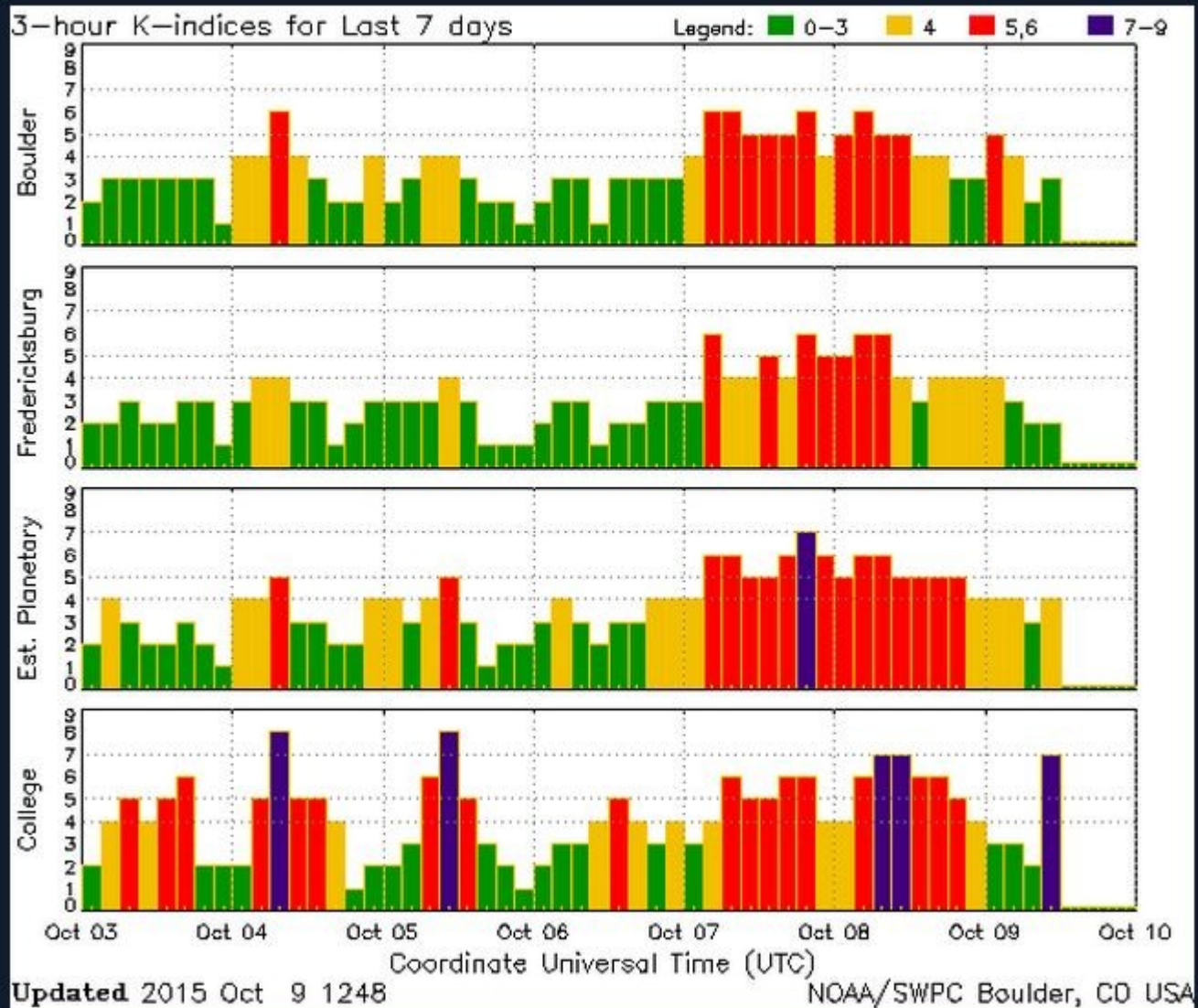


10 frames/sec ▼

Space Weather User Groups

K-index, Kp index

Below is a one week K-index view from four magnetometer reporting stations.



HG7BHB beacon megfigyelés

VVV DE HG7BHB QTH JN97LE34SF PWR 50W

- HA5CLF István: <http://rksz.freeforums.org/meresek-60-m-en-21-napos-periodus-131-meres-pont-t70.html>



HG7BHB beacon megfigyelés

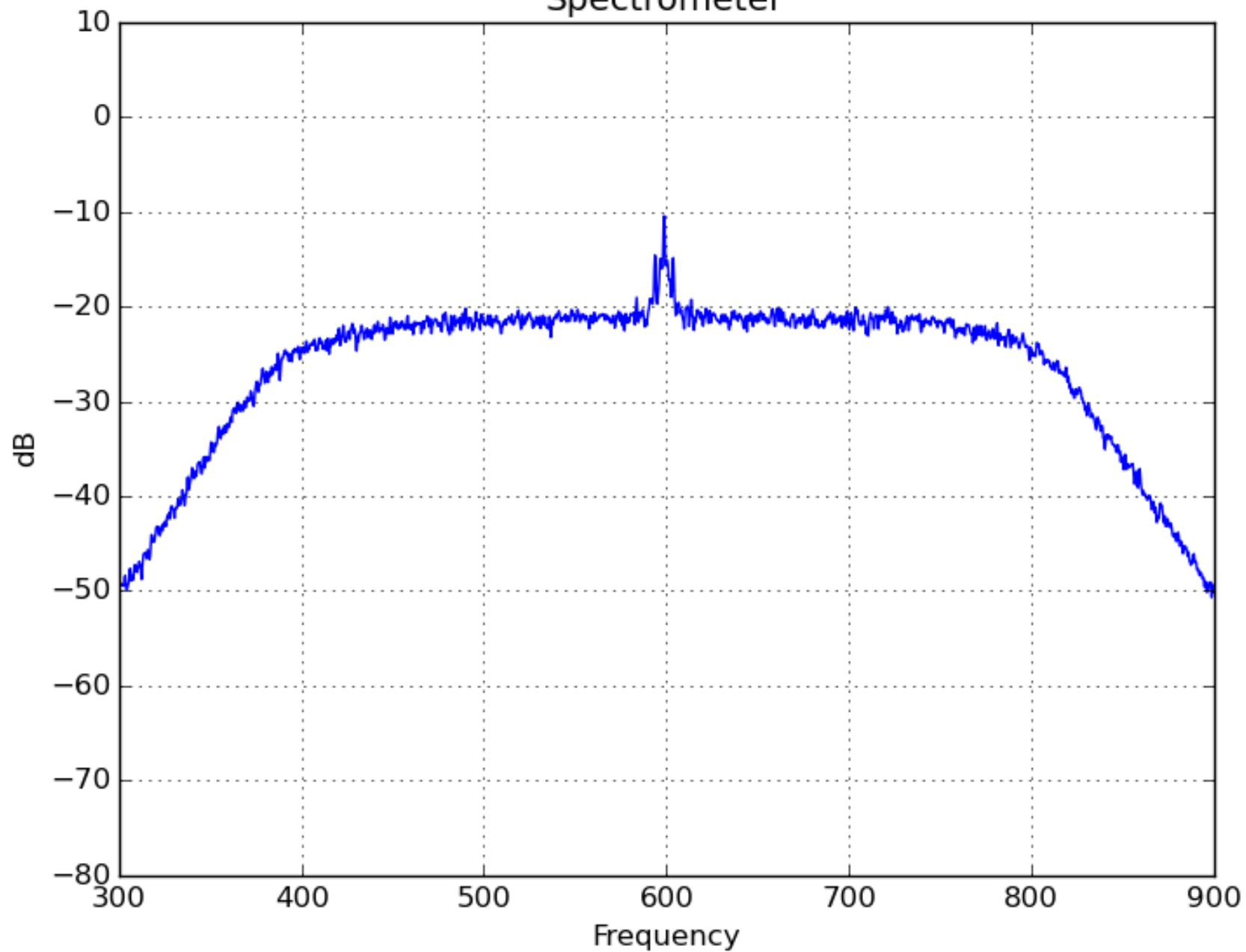
VVV DE HG7BHB QTH JN97LE34SF PWR 50W

- Cél: skimmereknél jobb felbontású mérés
 - Jelszint, zajszint
 - Lehetséges?
 - Milyen nehéz?
- Bármilyen más :)

HG7BHB beacon megfigyelés

- Módszer: (legalább) 24 órás hangfelvételek
- Utólagos szoftveres elemzés
 - Jelszint
 - Zajszint
- Eredmények
 - Jelszint grafikon ~perces felbontással
 - Háttérzaj / QRM grafikon
 - Van éjszaka terjedés?

Spectrometer



Spectrometer

