

SIDC Space Weather Briefing

23 March 2026-29 March 2026

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& the SIDC forecaster team



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-03-23 00:00 to 2026-03-29 23:59

| | |
|----------------|--|
| Active regions | SIDC SG 832 (NOAA AR 4403), SIDC SG 836 (NOAA AR 4405) |
| Flares | # C-class flare: 23 # M-class flare: 2 # X-class flare: 0 |
| Coronal Holes | SIDC CH 156 (+, equatorial) 25 Mar; 153 (+, south pole) 26 Mar |
| CMEs | SIDC CME 642 |

| | |
|---------------|--|
| Proton flux | Nominal |
| Electron flux | Above 1000 pfu alert threshold (max 13 kpfu, 27/3 05:25 UTC) |

Solar wind and geomagnetic conditions

| | |
|------------------------|--|
| ICMEs | Glancing blow (25/3 05:55 UTC) |
| Solar wind conditions | B : 0.56 - 13.44 nT //Bz: -8.1 nT to 11.7 nT //Speed: 325.9 - 765.7km/s |
| Geomagnetic conditions | max K _{Be} : 6, max K _p (NOAA): 6+, Minor Storm conditions |

All Quiet Alert: NOT QUIET

Solar Activity

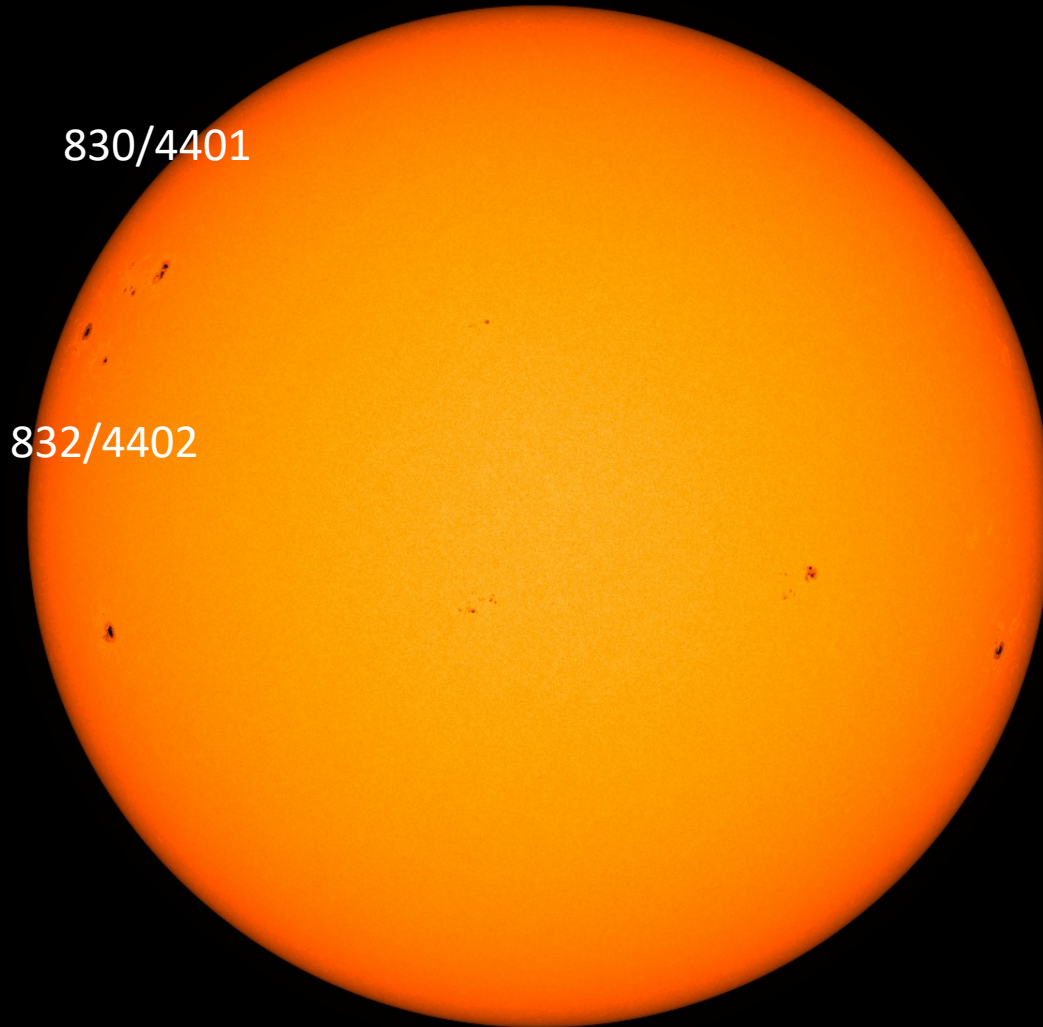


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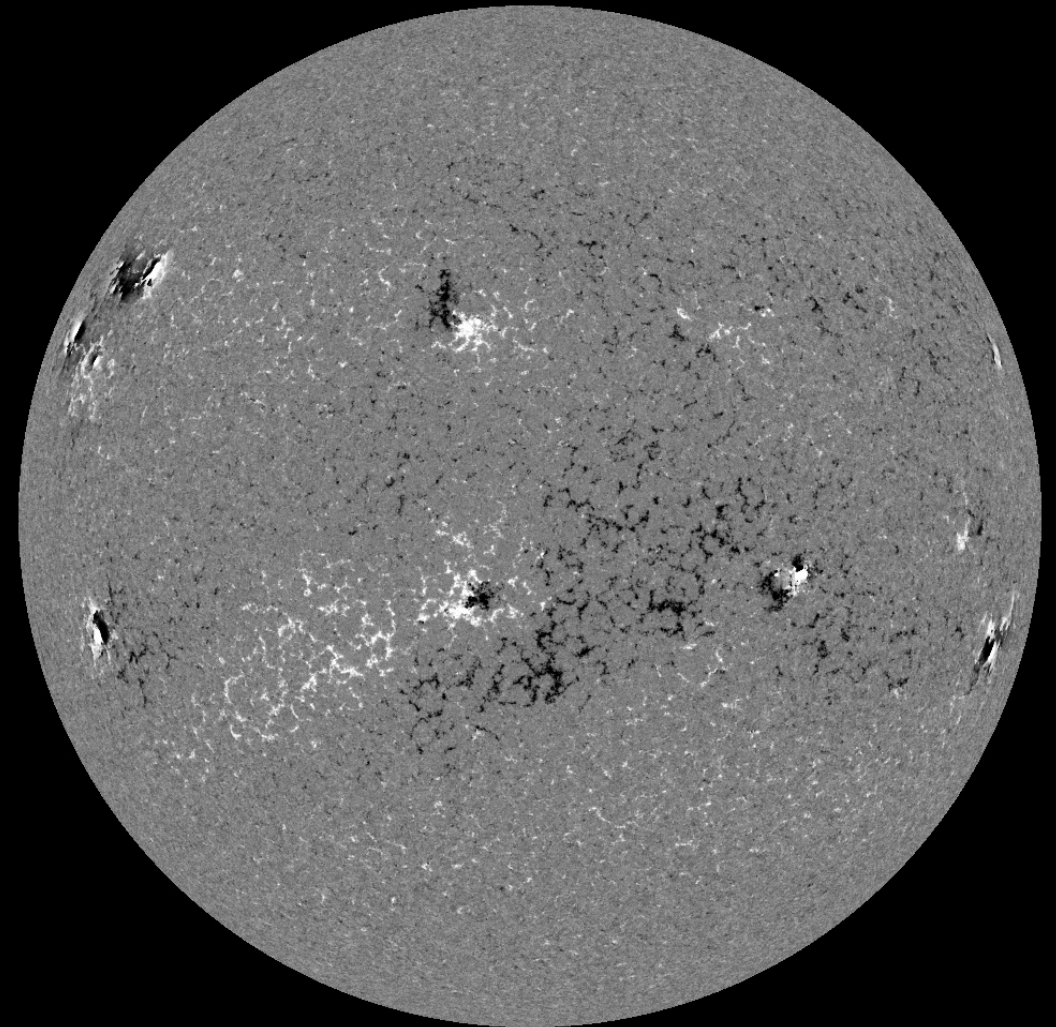
Solar active regions

SDO/HMI White Light 2026-03-23



SDO/HMI Continuum: 20260323_120000

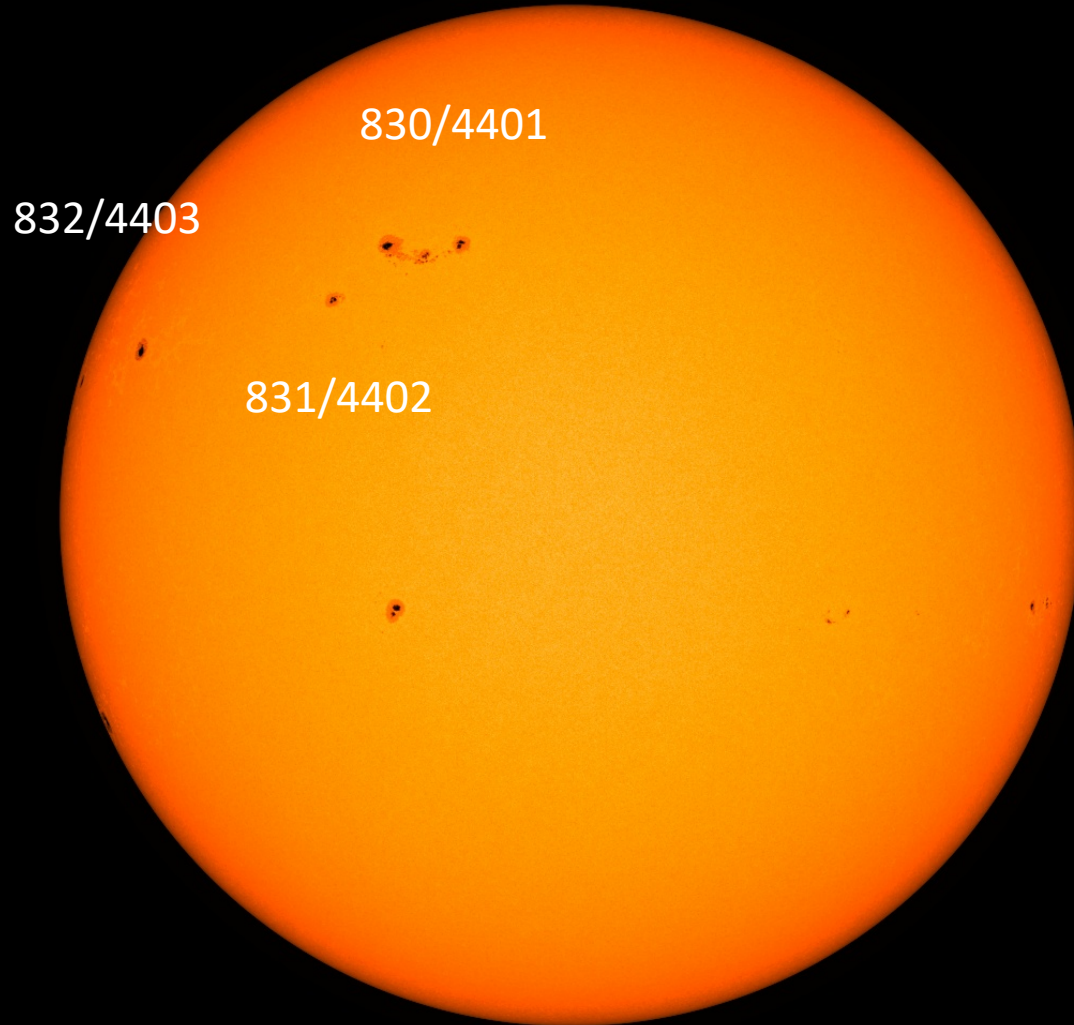
SDO/HMI Magnetogram 2026-03-23



SDO/HMI Magnetogram: 20260323_120000

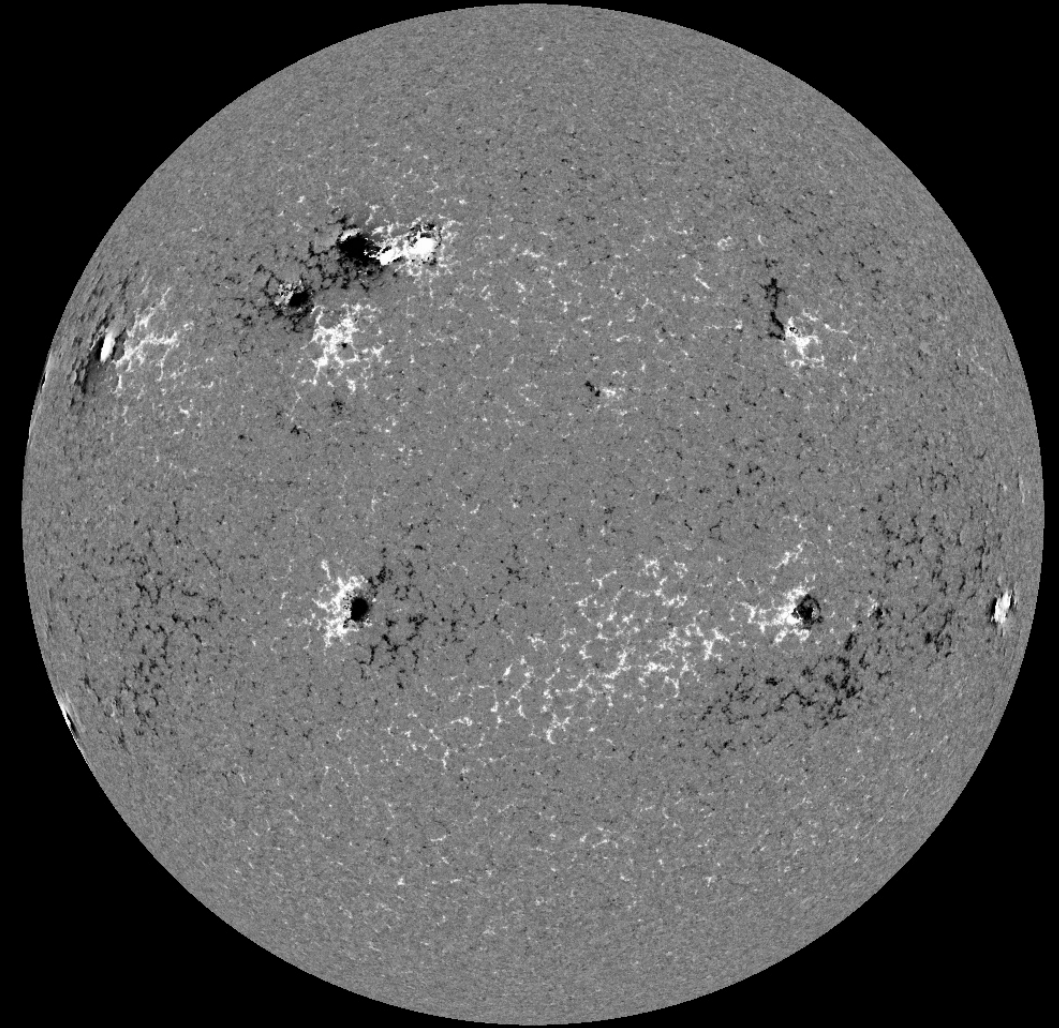
Solar active regions

SDO/HMI White Light 2026-03-26



SDO/HMI Quick-Look Continuum: 20260326_120000

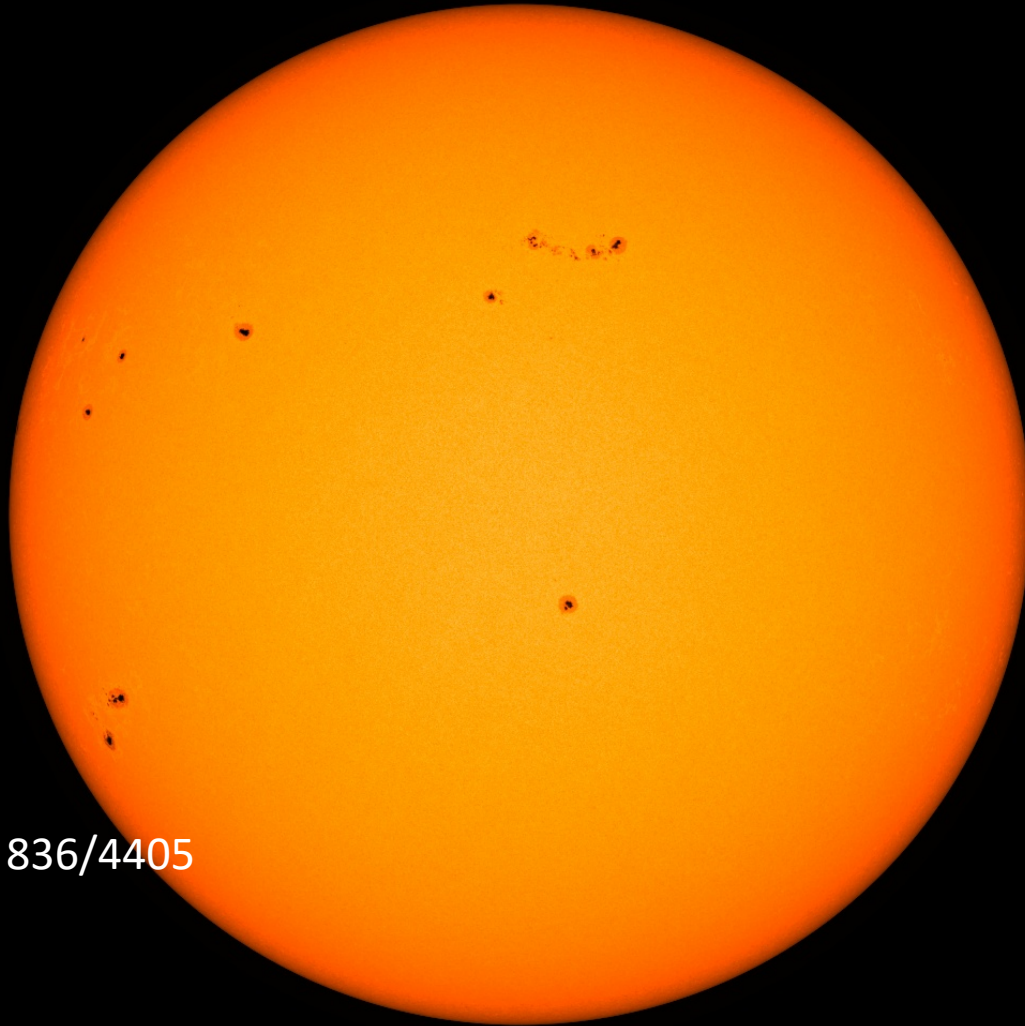
SDO/HMI Magnetogram 2026-03-26



SDO/HMI Quick-Look Magnetogram: 20260326_120000

Solar active regions

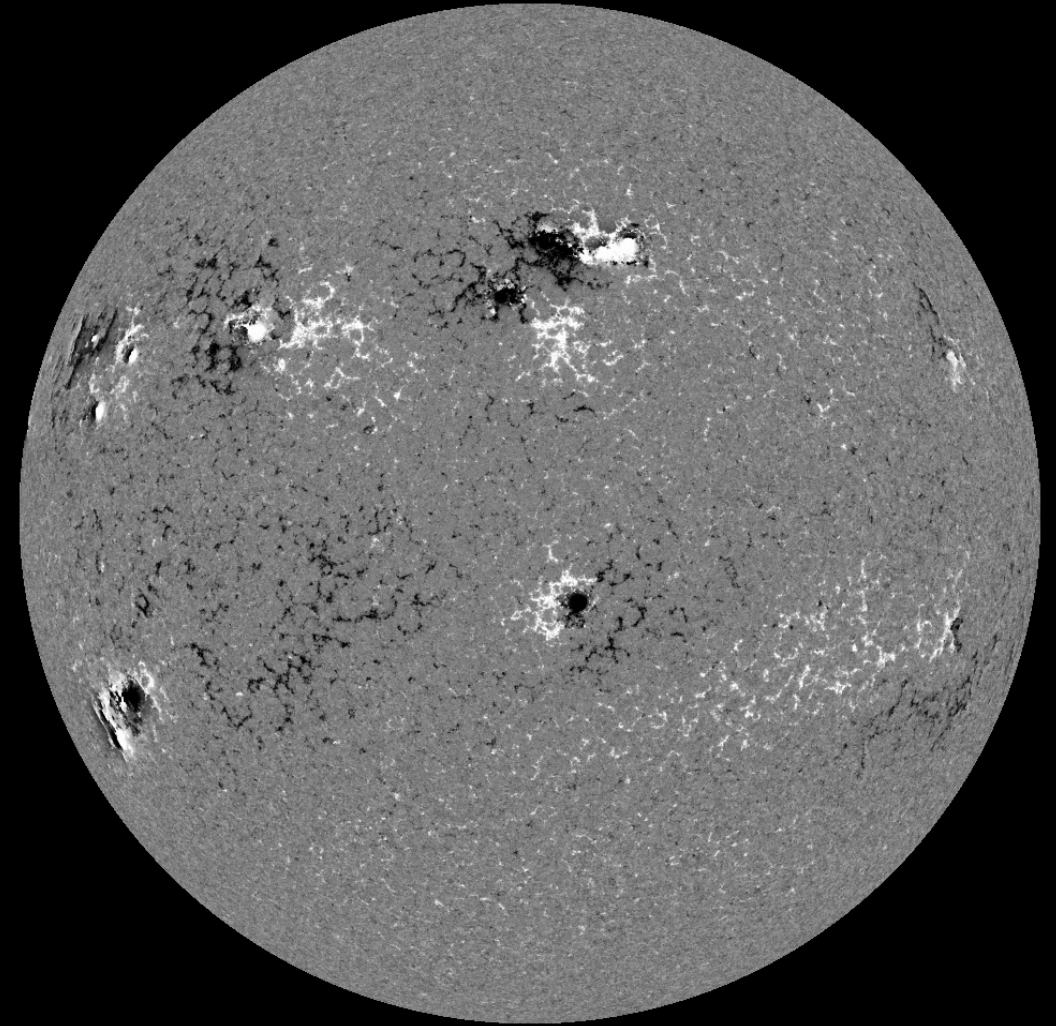
SDO/HMI White Light 2026-03-28



836/4405

SDO/HMI Quick-Look Continuum: 20260328_120000

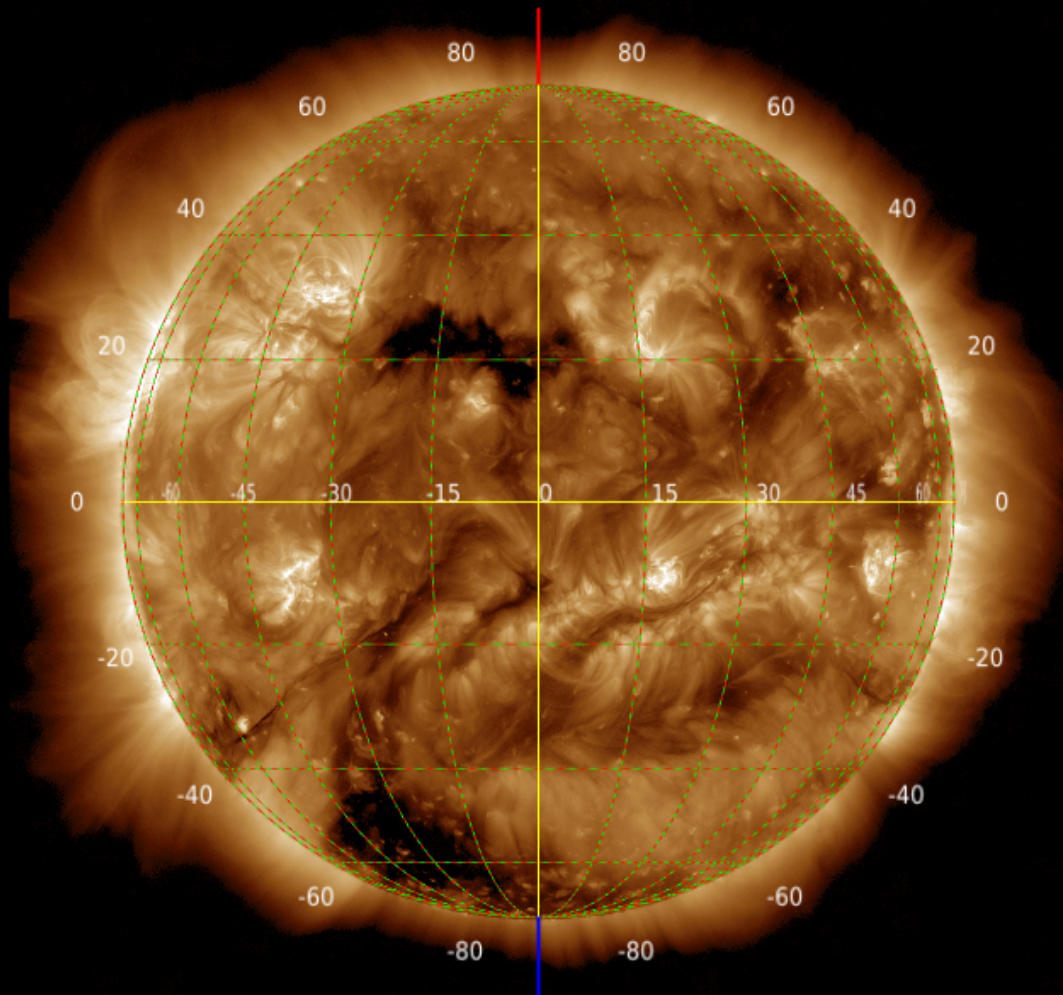
SDO/HMI Magnetogram 2026-03-28



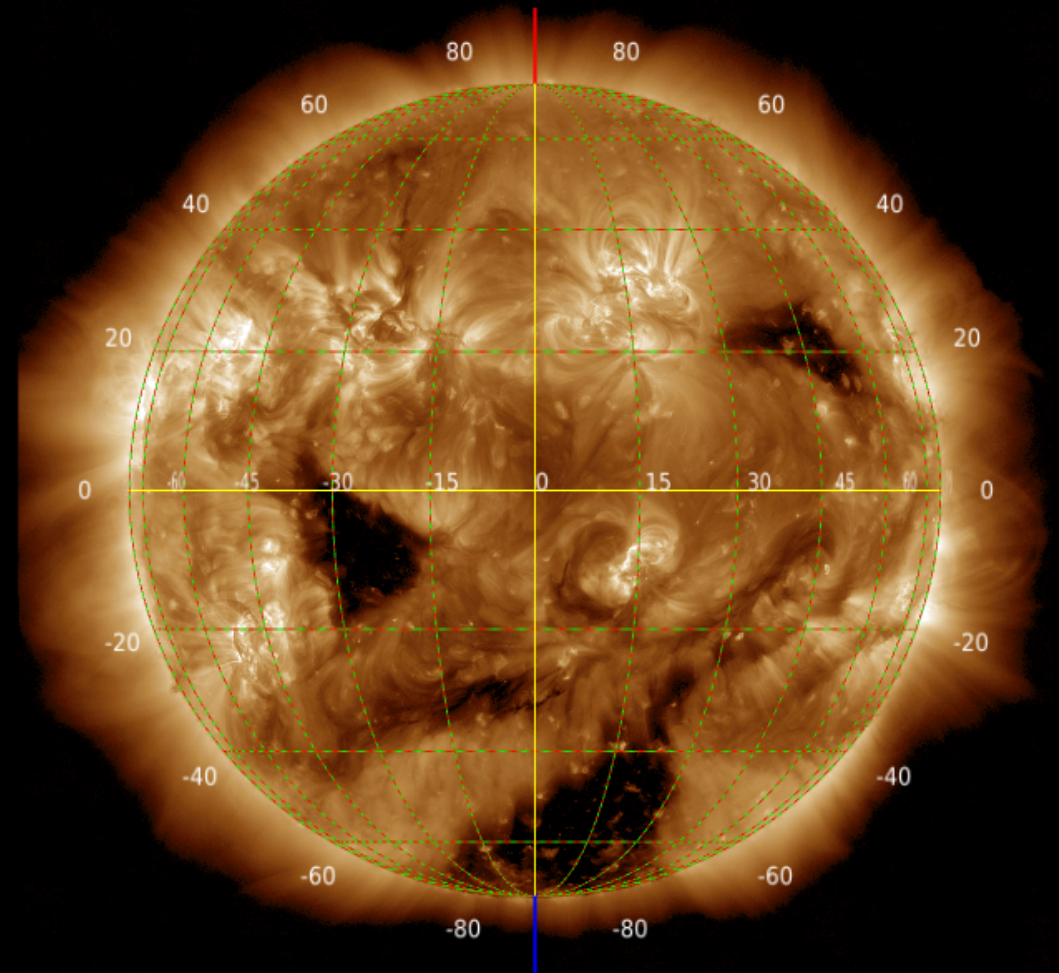
SDO/HMI Quick-Look Magnetogram: 20260328_120000

Coronal holes

SDO/AIA 19.3 nm 2026-03-25



SDO/AIA 19.3 nm 2026-03-29

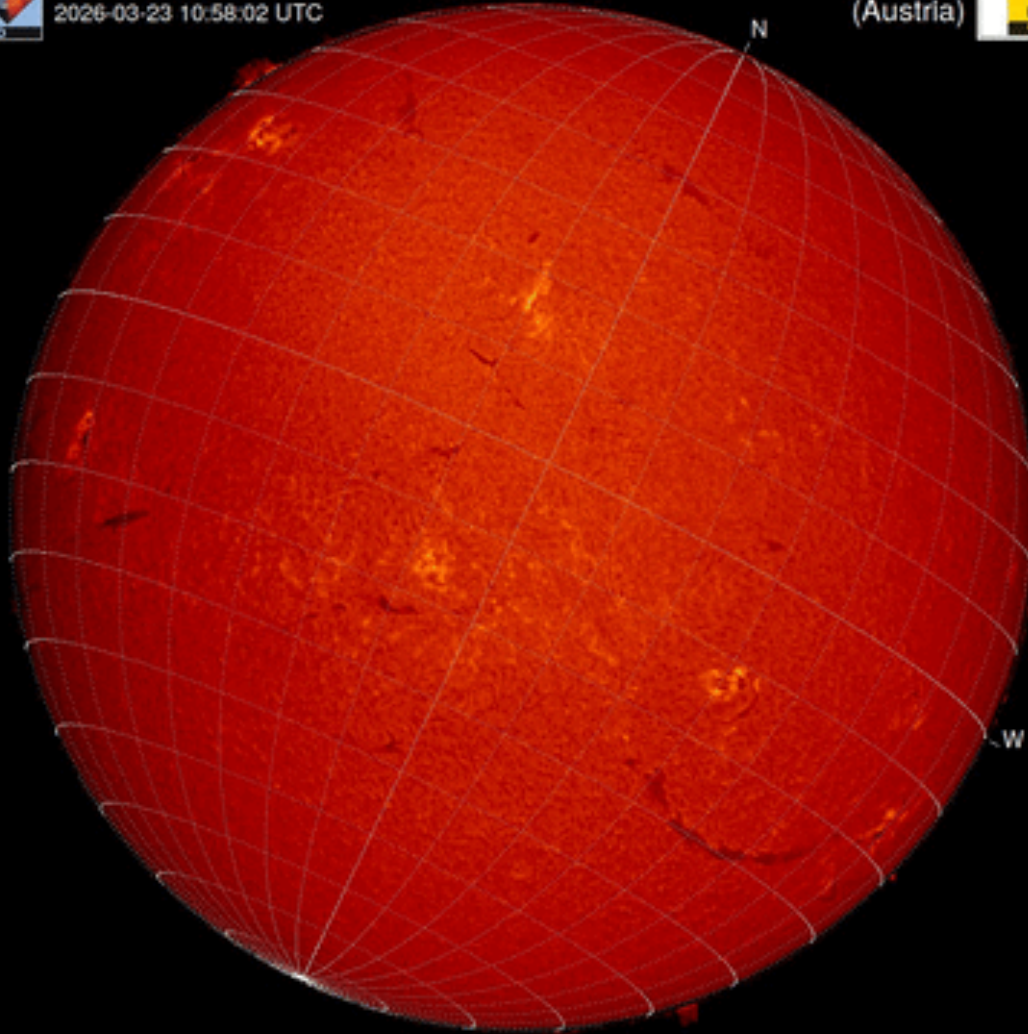


Filaments & Filament eruptions

H-alpha 2026-03-23

 Kanzelhöhe Observatory
2026-03-23 10:58:02 UTC

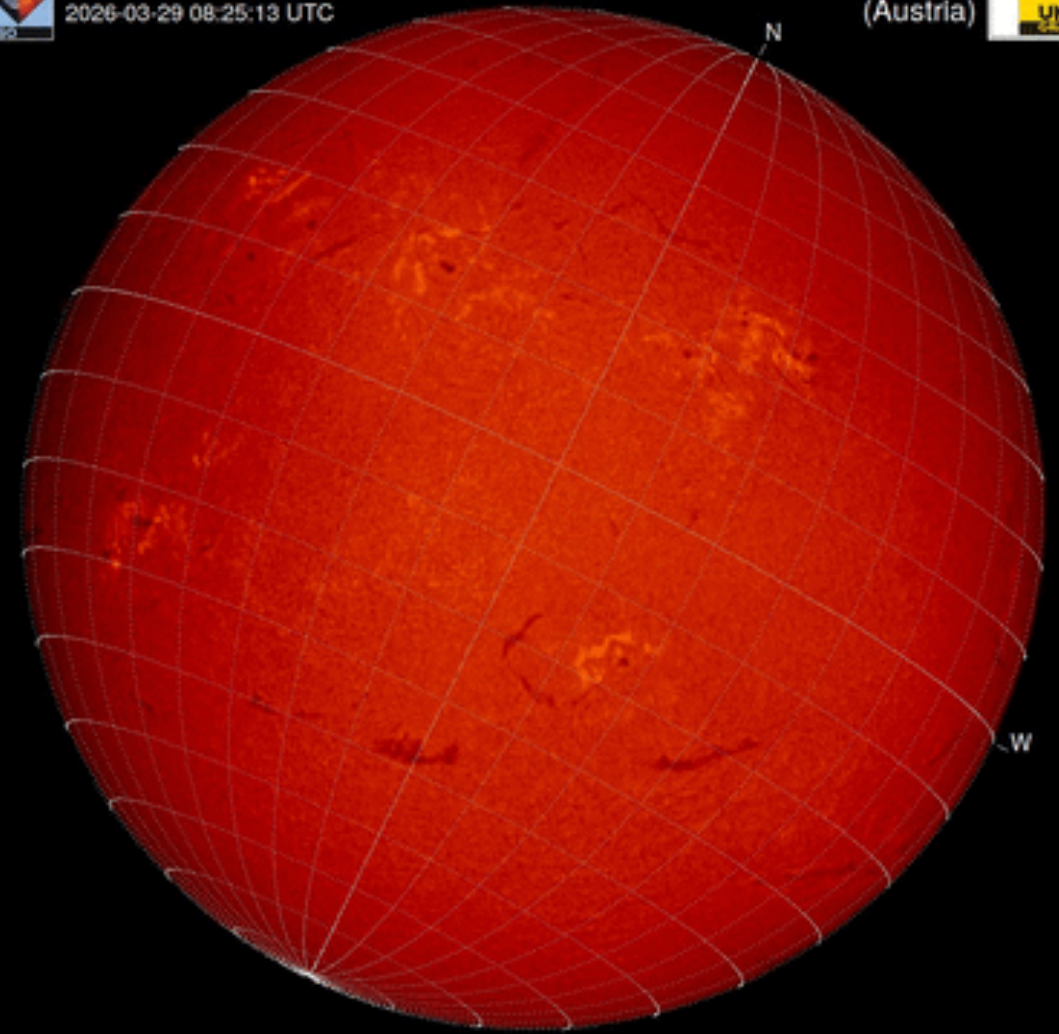
University of Graz
(Austria) 



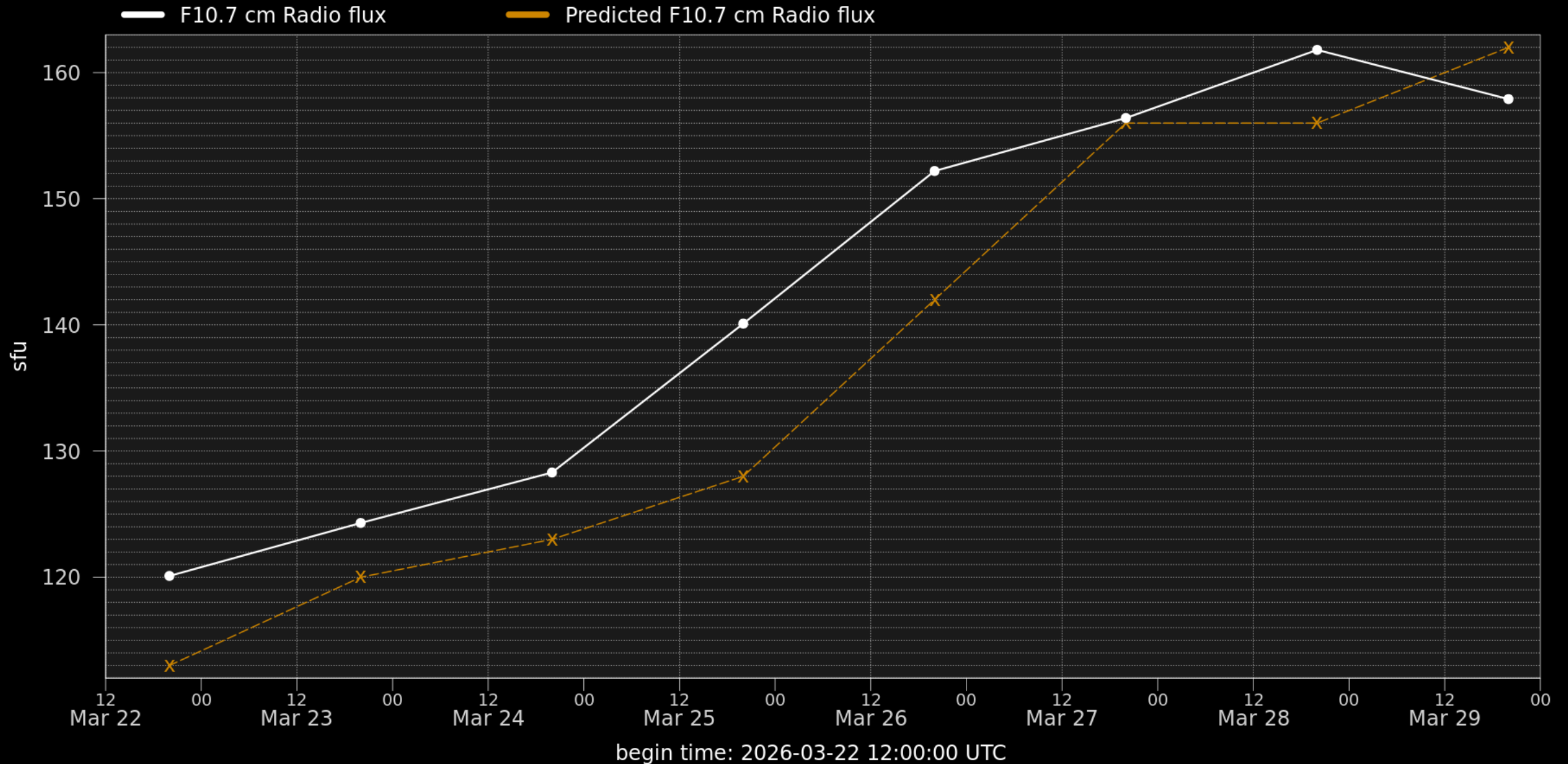
H-alpha 2026-03-29

 Kanzelhöhe Observatory
2026-03-29 08:25:13 UTC

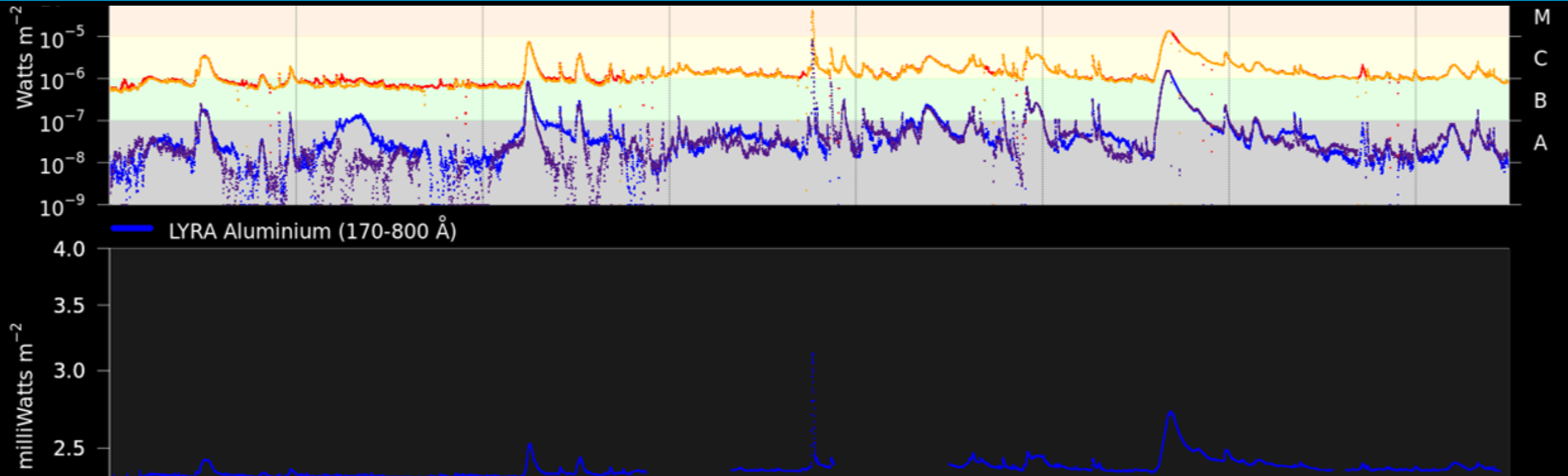
University of Graz
(Austria) 



Solar F10.7cm radio flux



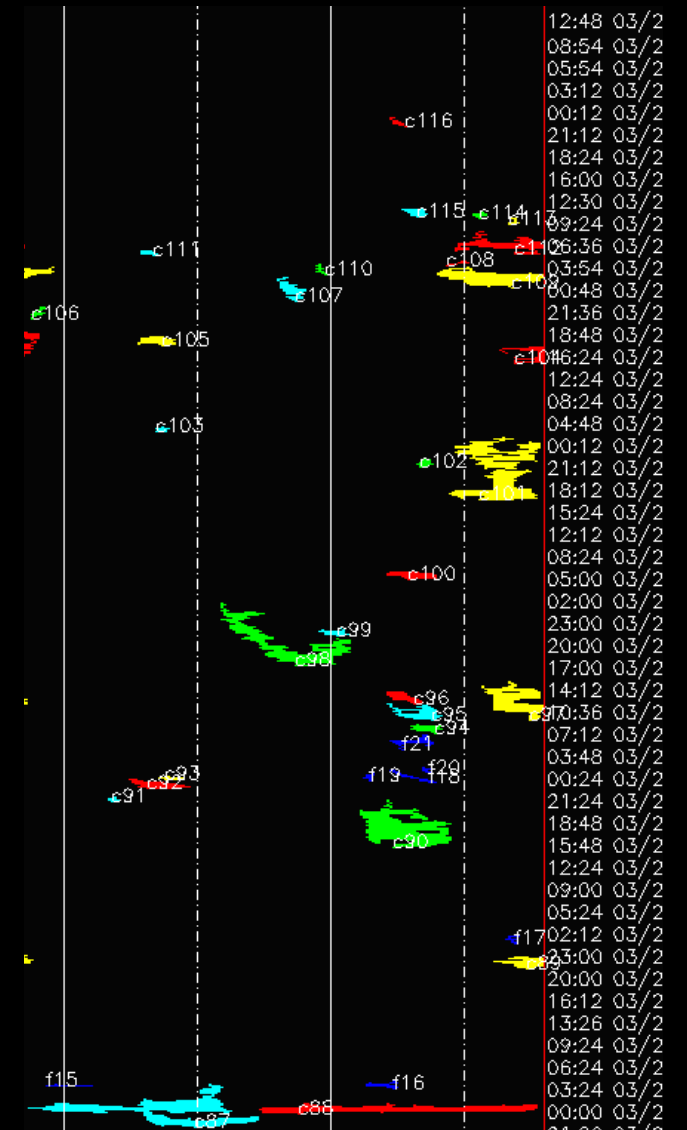
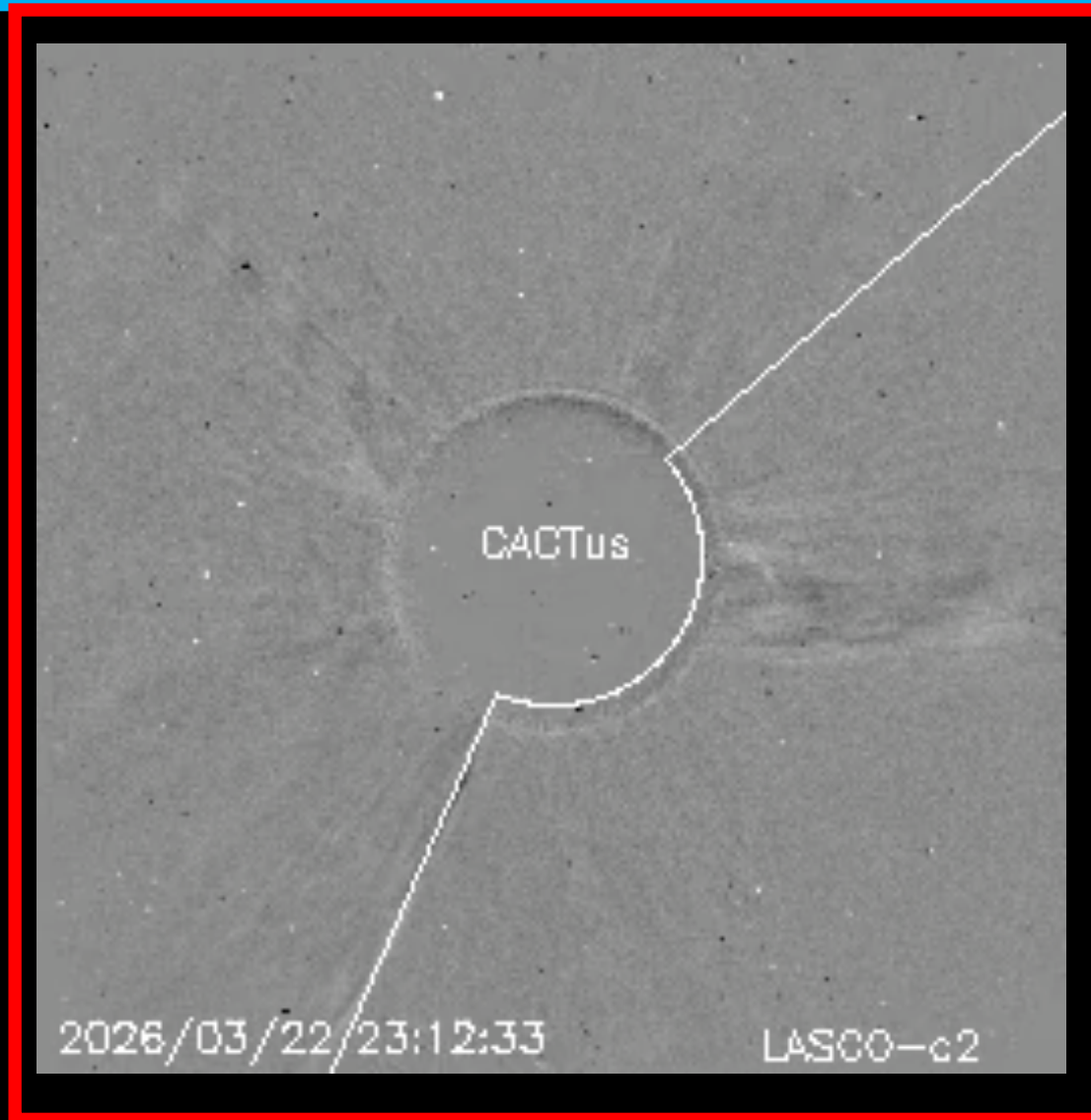
Flaring activity



Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

| Issue date | 2026-03-22 | 2026-03-23 | 2026-03-24 | 2026-03-25 | 2026-03-26 | 2026-03-27 | 2026-03-28 | 2026-03-29 |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Probability (%) | 99 41 01 | 99 72 10 | 99 45 05 | 98 50 05 | 99 27 01 | 98 10 01 | 99 10 01 | 95 40 01 |
| Observed (#) | 03 00 00 | 02 00 00 | 03 00 00 | 00 01 00 | 07 00 00 | 05 00 00 | 01 00 00 | 02 00 00 |

Coronal Mass Ejections



Solar Wind and

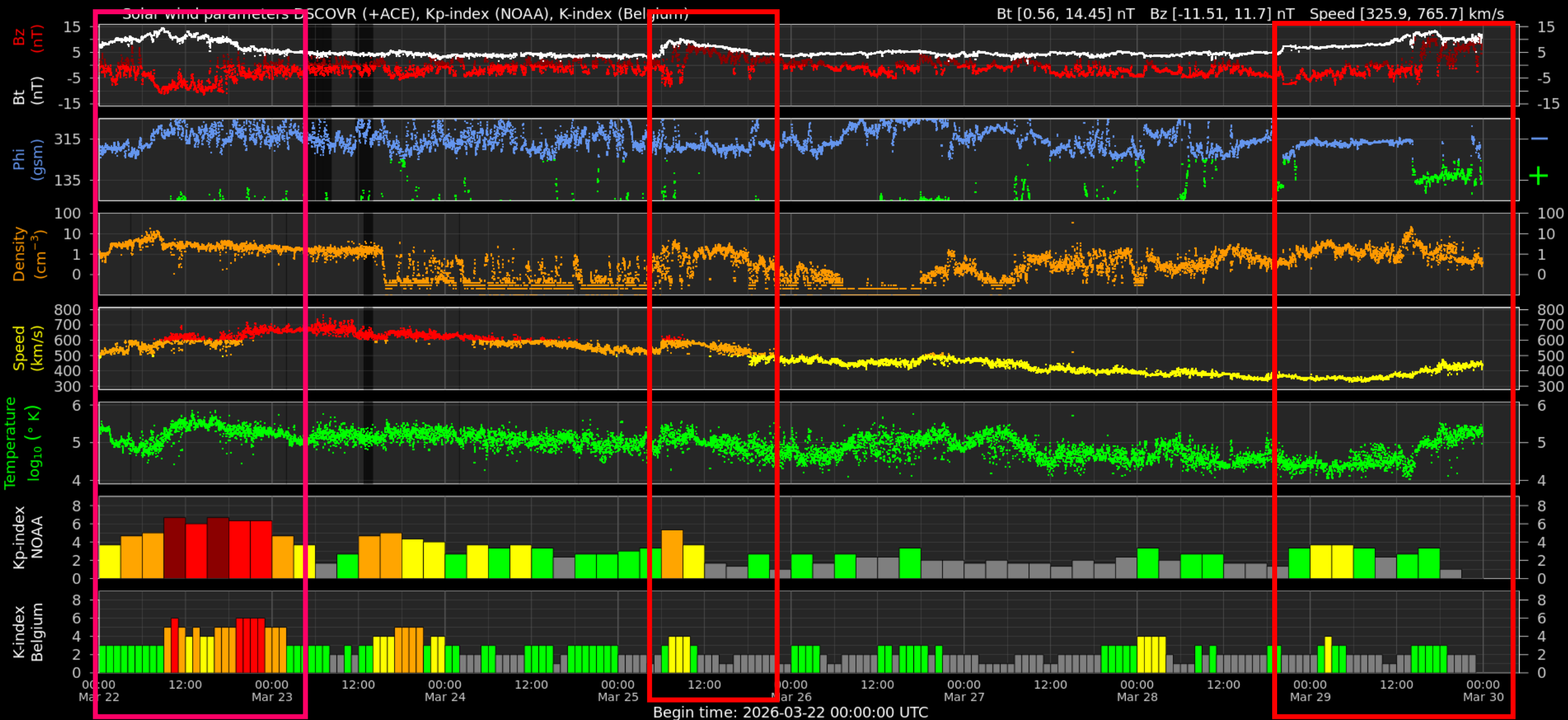
Geomagnetic Activity



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Solar wind parameters & K-indices



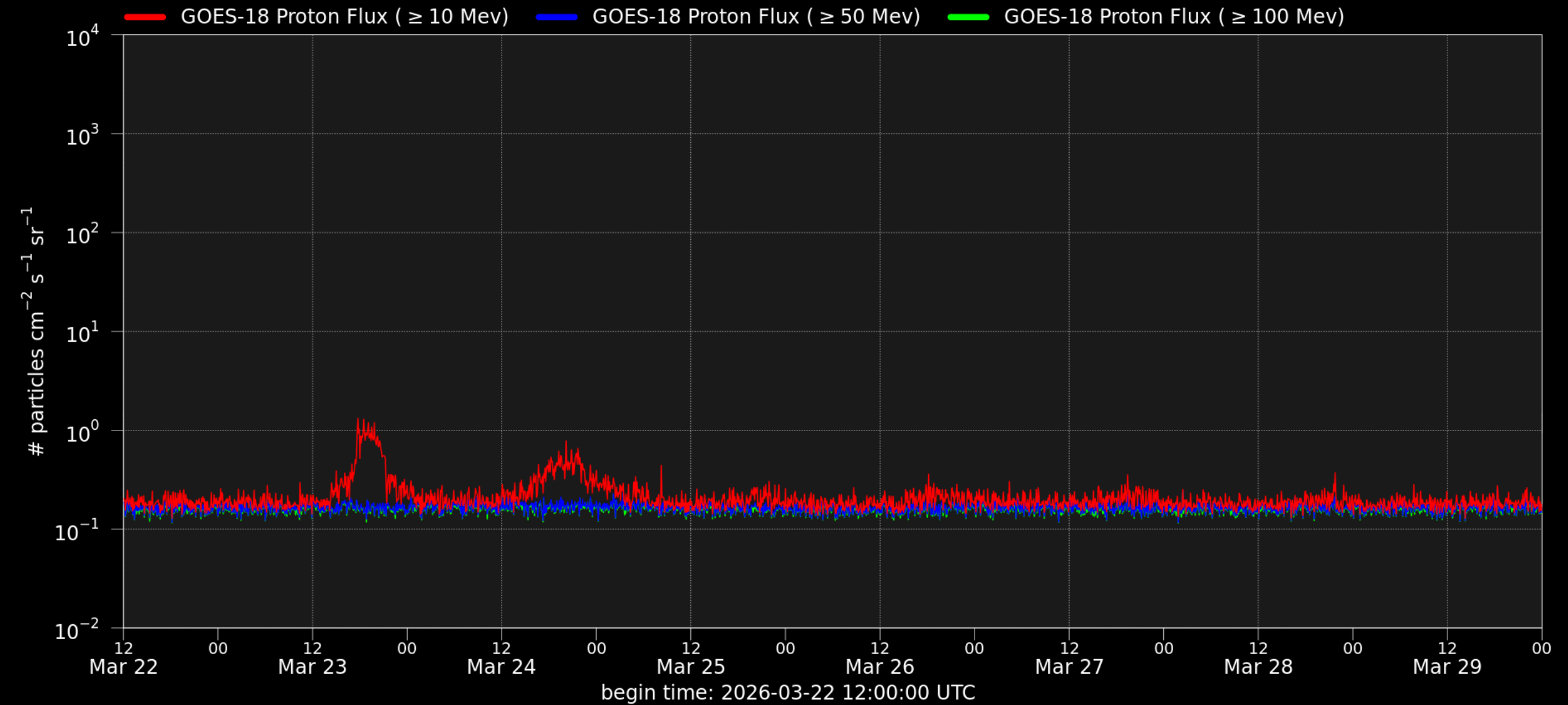
Energetic Particles



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Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

www.spaceweather.gc.ca/forecast-prevision/space-spatiale/sffl-en.php



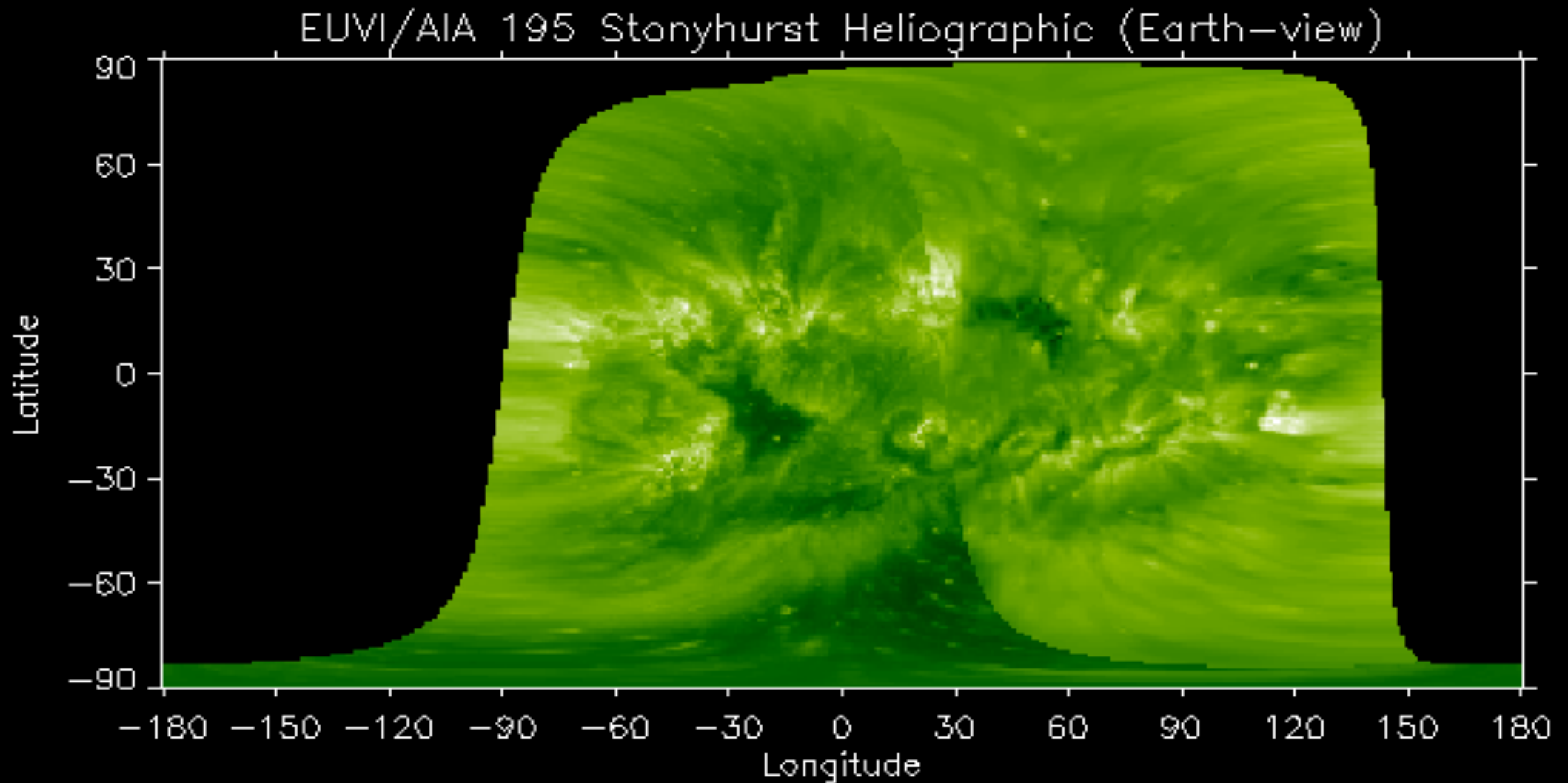
Outlook



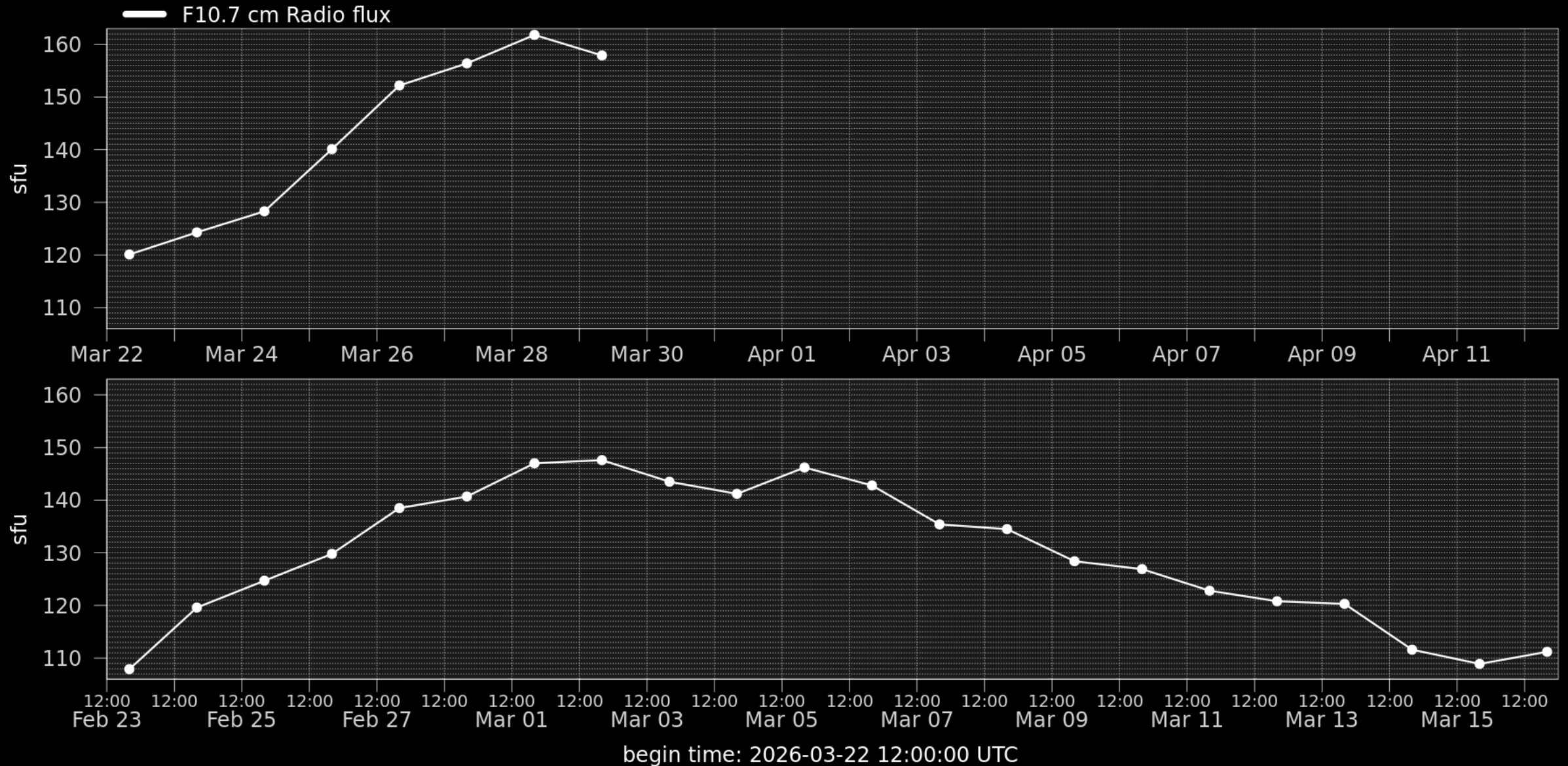
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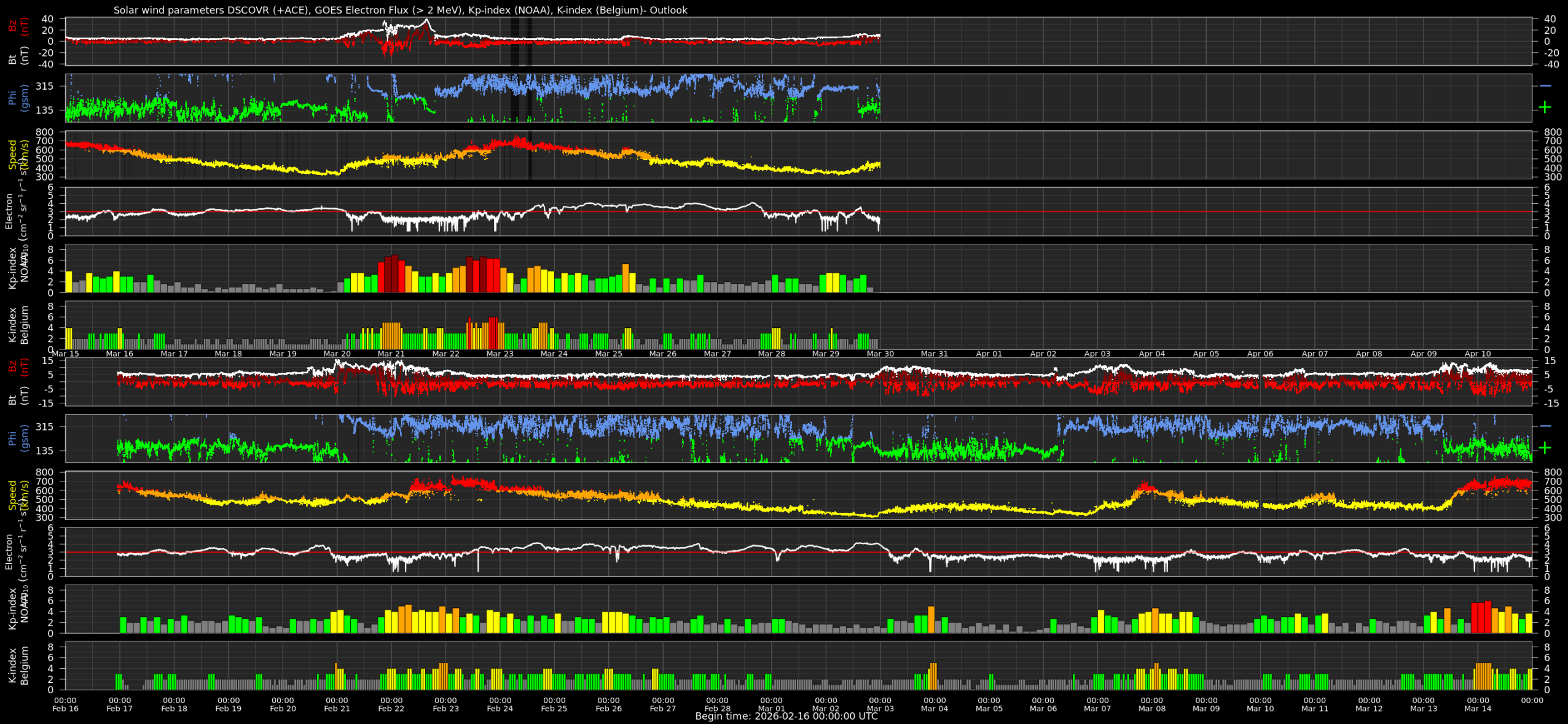
Outlook: Solar activity



Outlook: Solar F10.7cm radio flux



Outlook: Electron Flux at GEO Outlook



PECASUS



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Pecarus related events

On Duty Centre (ODC):

- Nine severe GNSS advisories
- 24 moderate HF COM advisories

SIDC Space Weather Briefing

See you at our next briefing!

Or visit us at www.sidc.be



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