

SIDC Space Weather Briefing

09 February 2026-15 February 2026

Vansintjan Robbe

& the SIDC forecaster team



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-02-09 00:00 to 2026-02-15 23:59

Active regions	21 SIDC sunspot groups SIDC SG 784 (4366; $\beta\gamma\delta$) , 790 (4373), 762 (4374; β)
Flares	# C-class flare: 21 # M-class flare: 7 # X-class flare: 0
Coronal Holes	1 positive and 4 negative Coronal holes
CMEs	1 unlikely glancing blow CME arrival

Proton flux	At background level
Electron flux	Normal to moderate

Solar wind and geomagnetic conditions

ICMEs	No ICME arrivals
Solar wind conditions	B : 0.45 - 15.21 nT //Bz: -13.99 nT to 10.97 nT //Speed: 349.4 - 752.8km/s
Geomagnetic conditions	max K _{Bel} : 5.0, max K _p (NOAA): 5.33, Minor Storm conditions

All Quiet Alert: OFF

Solar Activity

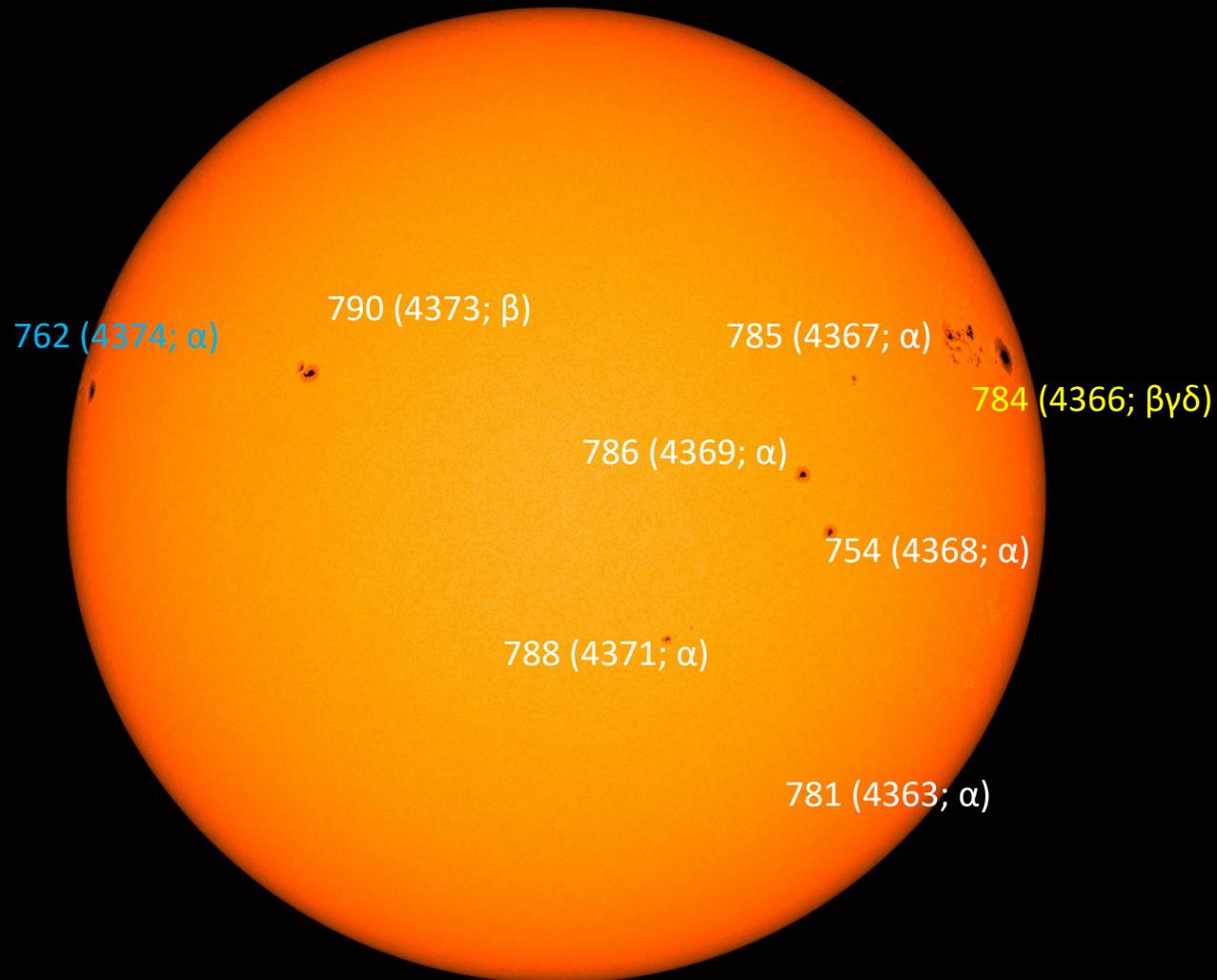


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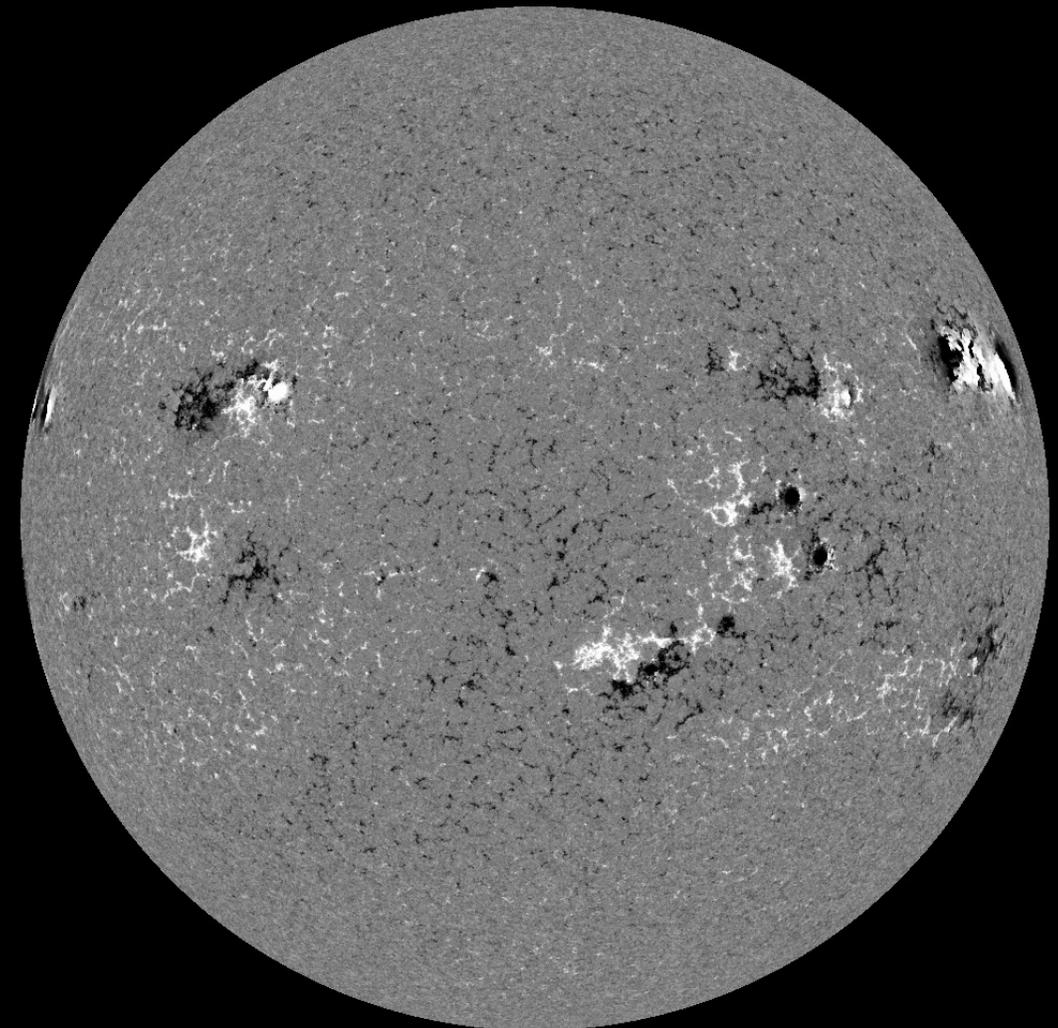
Solar active regions

SDO/HMI White Light 2026-02-09



SDO/HMI Continuum: 20260209_120000

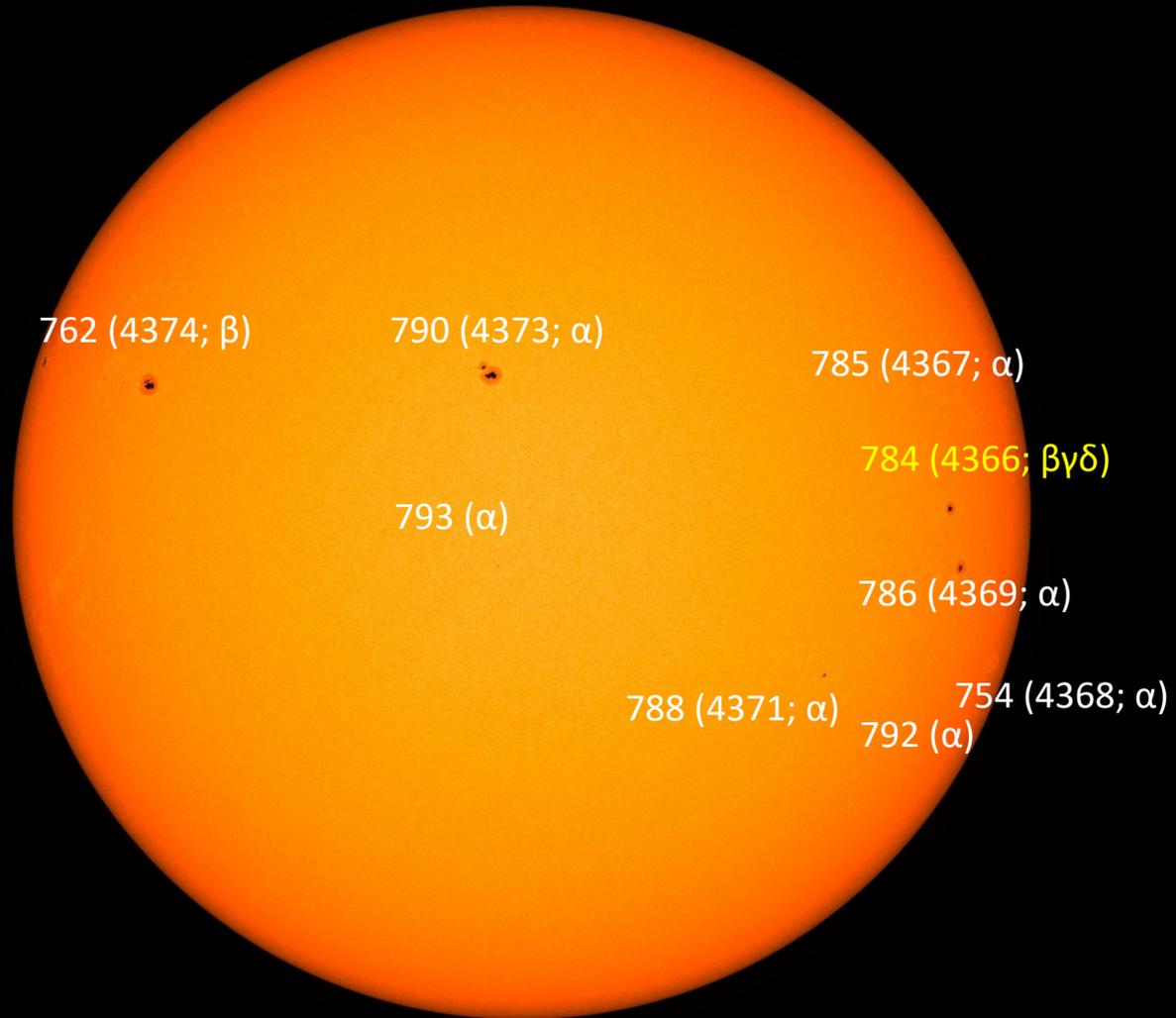
SDO/HMI Magnetogram 2026-02-09



SDO/HMI Magnetogram: 20260209_120000

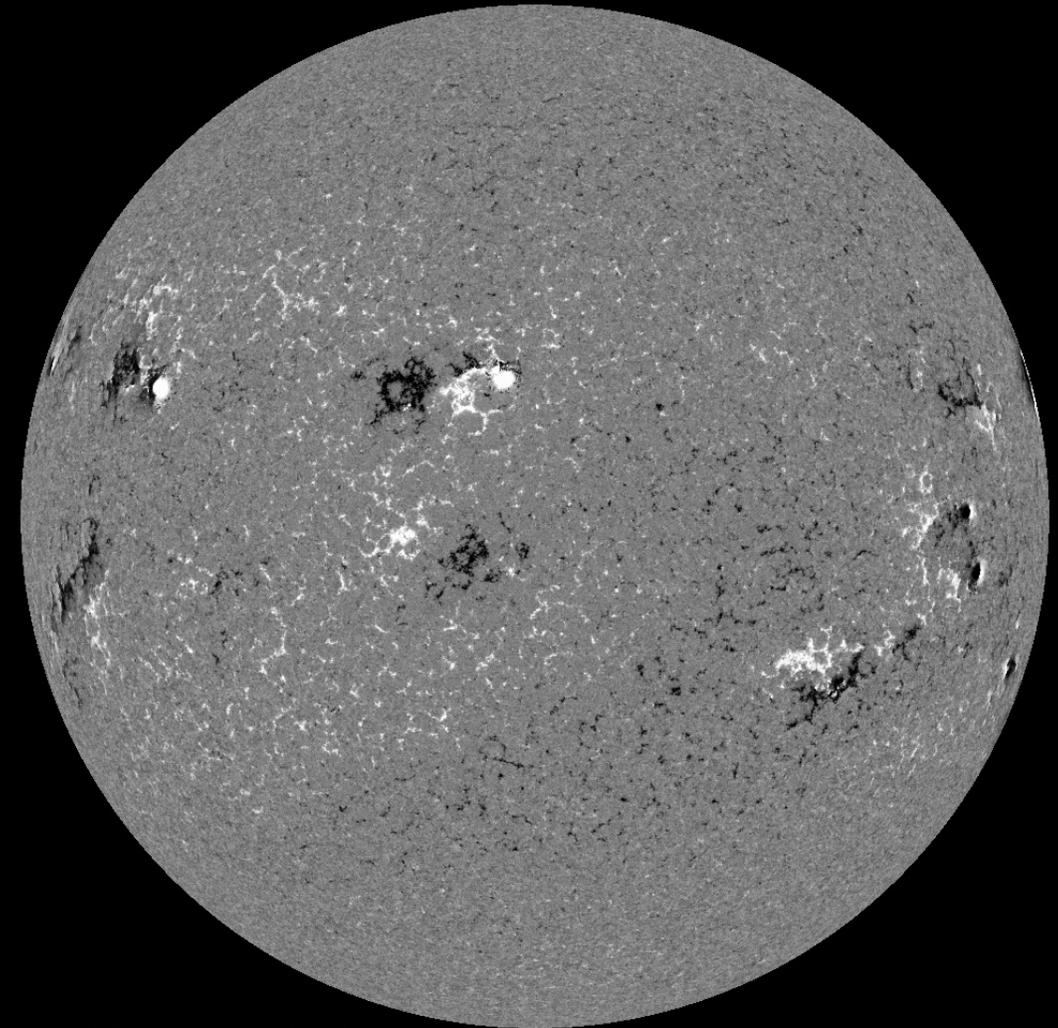
Solar active regions

SDO/HMI White Light 2026-02-11



SDO/HMI Quick-Look Continuum: 20260211_120000

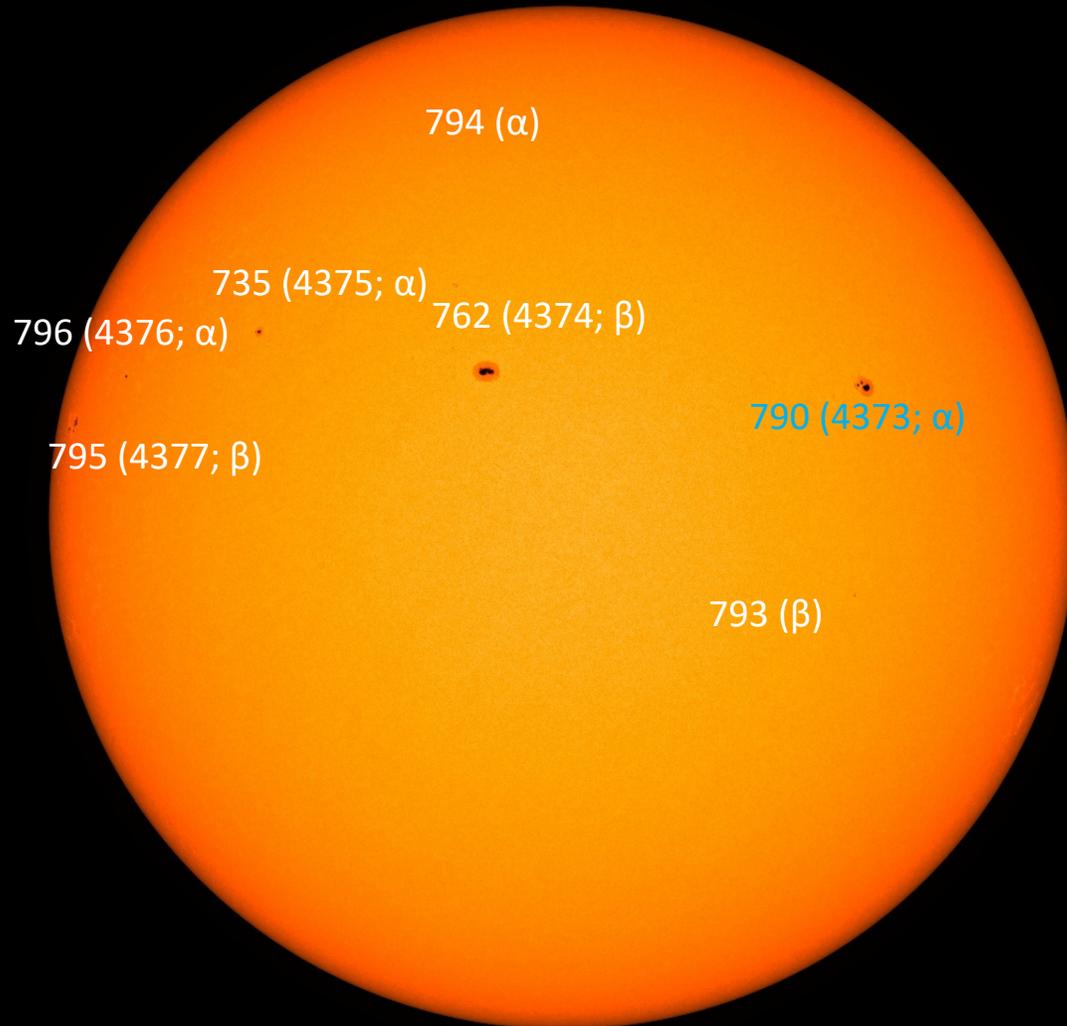
SDO/HMI Magnetogram 2026-02-11



SDO/HMI Quick-Look Magnetogram: 20260211_120000

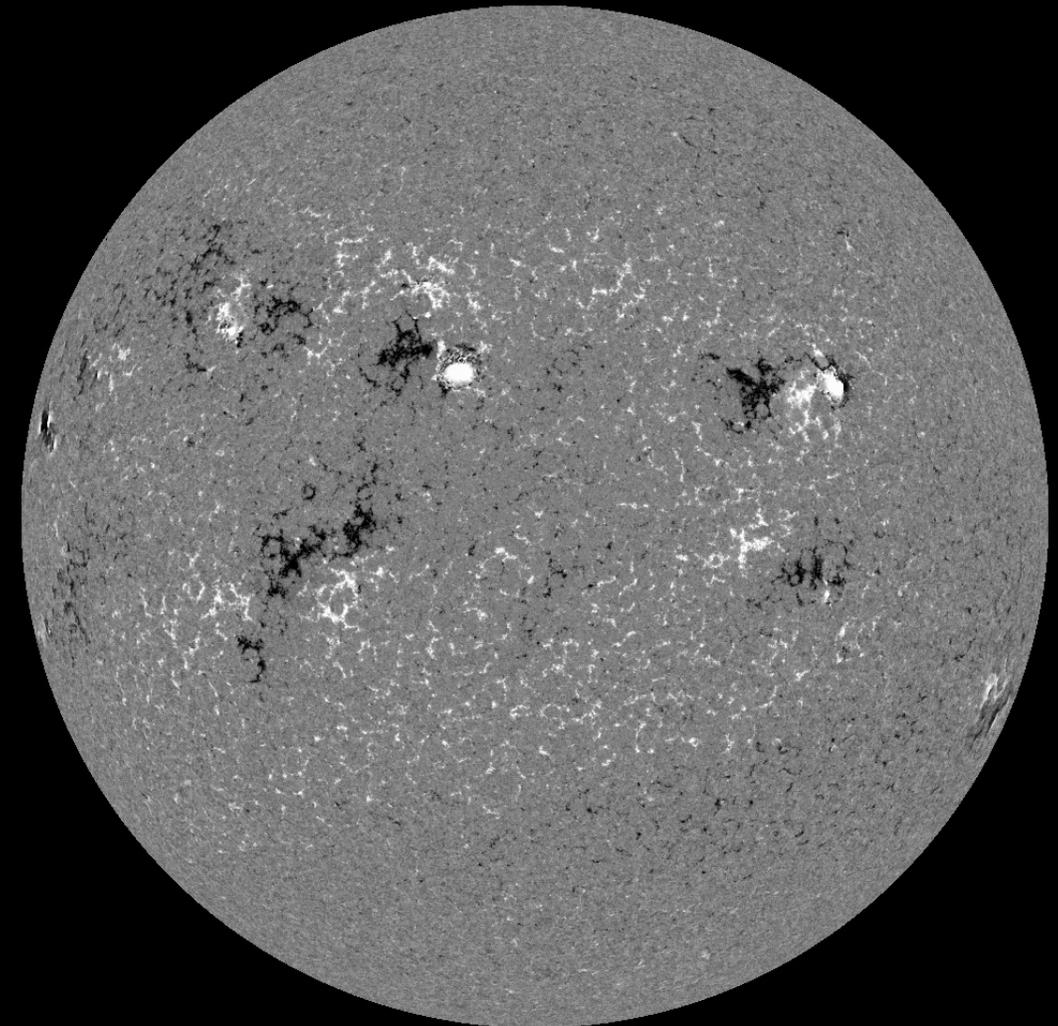
Solar active regions

SDO/HMI White Light 2026-02-14



SDO/HMI Quick-Look Continuum: 20260214_120000

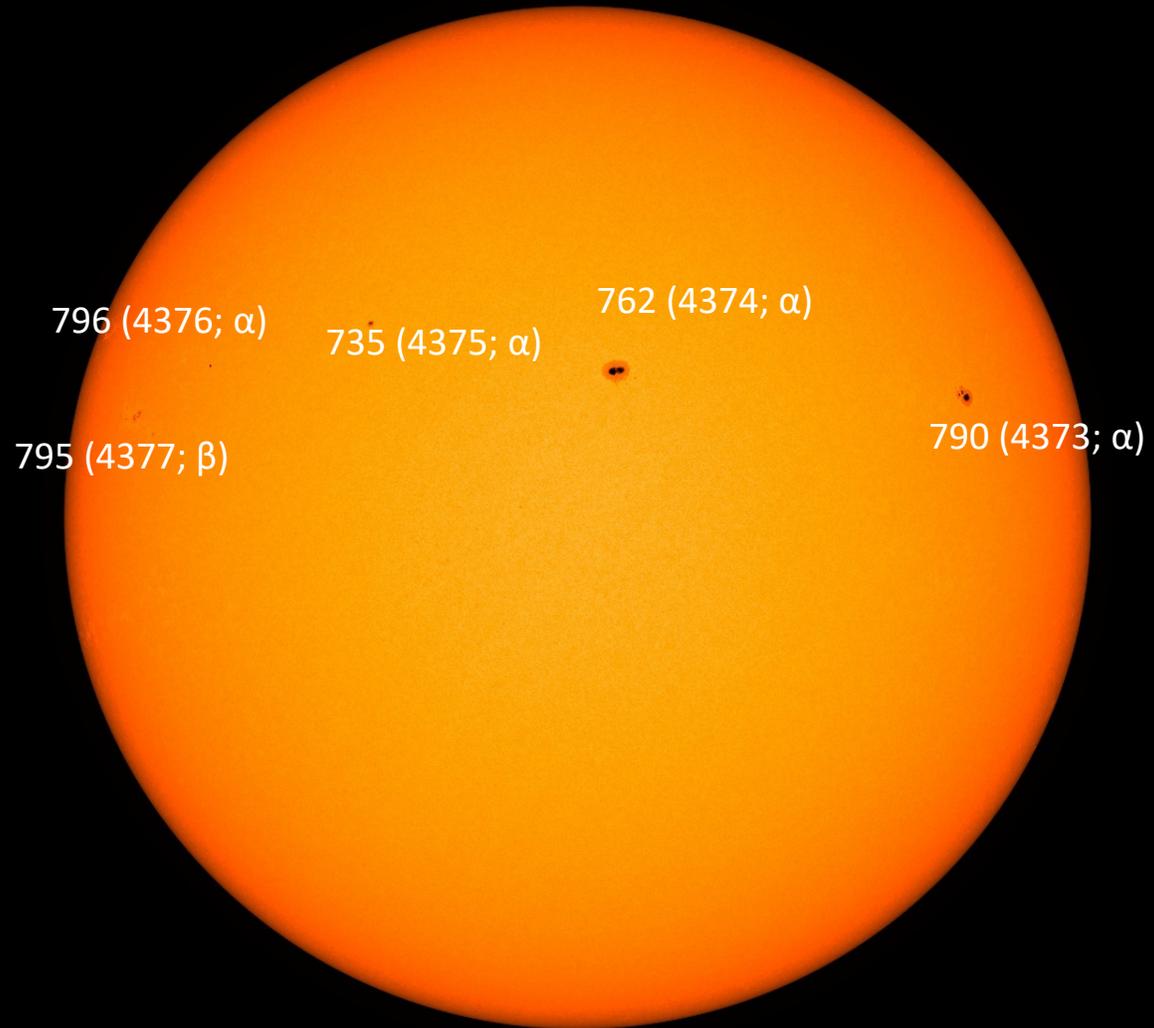
SDO/HMI Magnetogram 2026-02-14



SDO/HMI Quick-Look Magnetogram: 20260214_120000

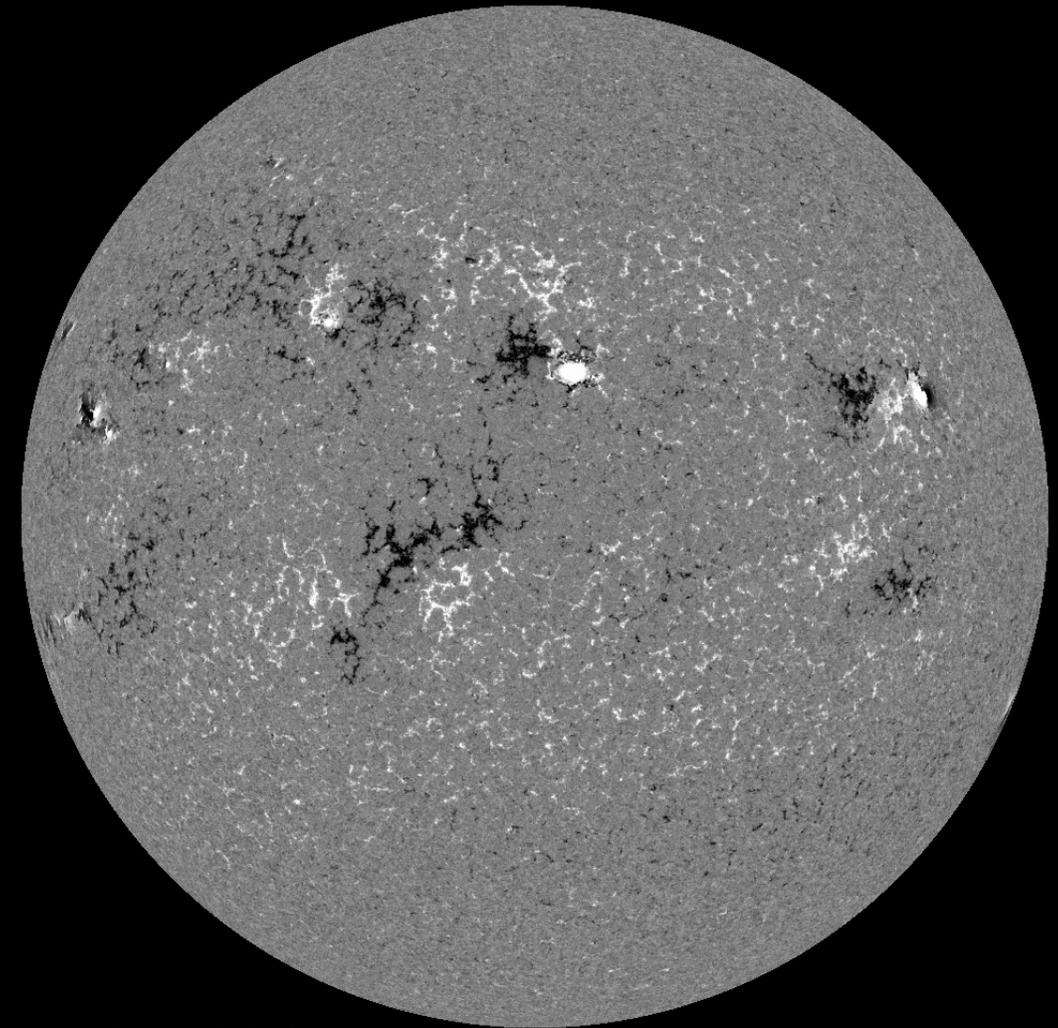
Solar active regions

SDO/HMI White Light 2026-02-15



SDO/HMI Quick-Look Continuum: 20260215_120000

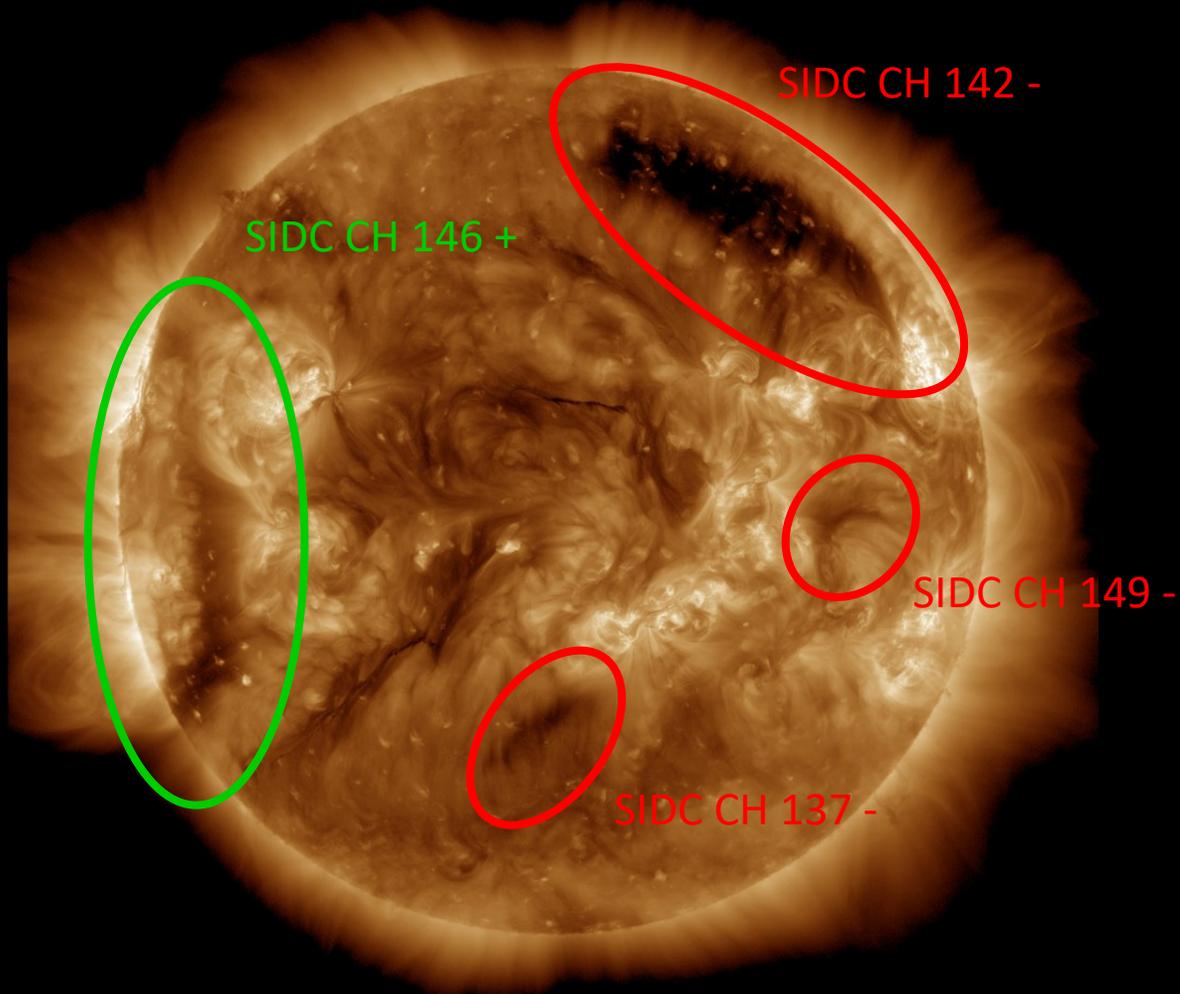
SDO/HMI Magnetogram 2026-02-15



SDO/HMI Quick-Look Magnetogram: 20260215_120000

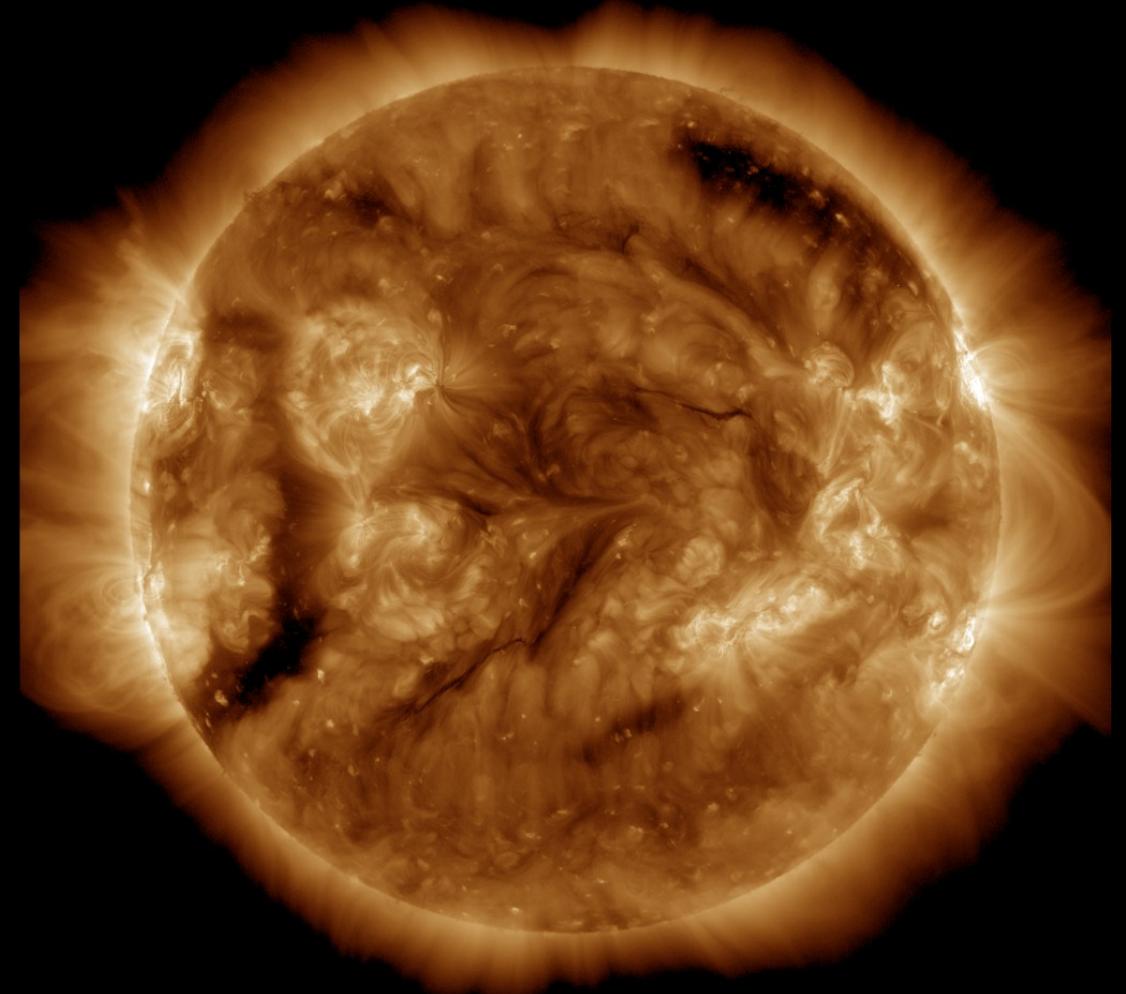
Coronal holes

SDO/AIA 19.3 nm 2026-02-09



SDO/AIA 193 2026-02-09 11:57:41 UT

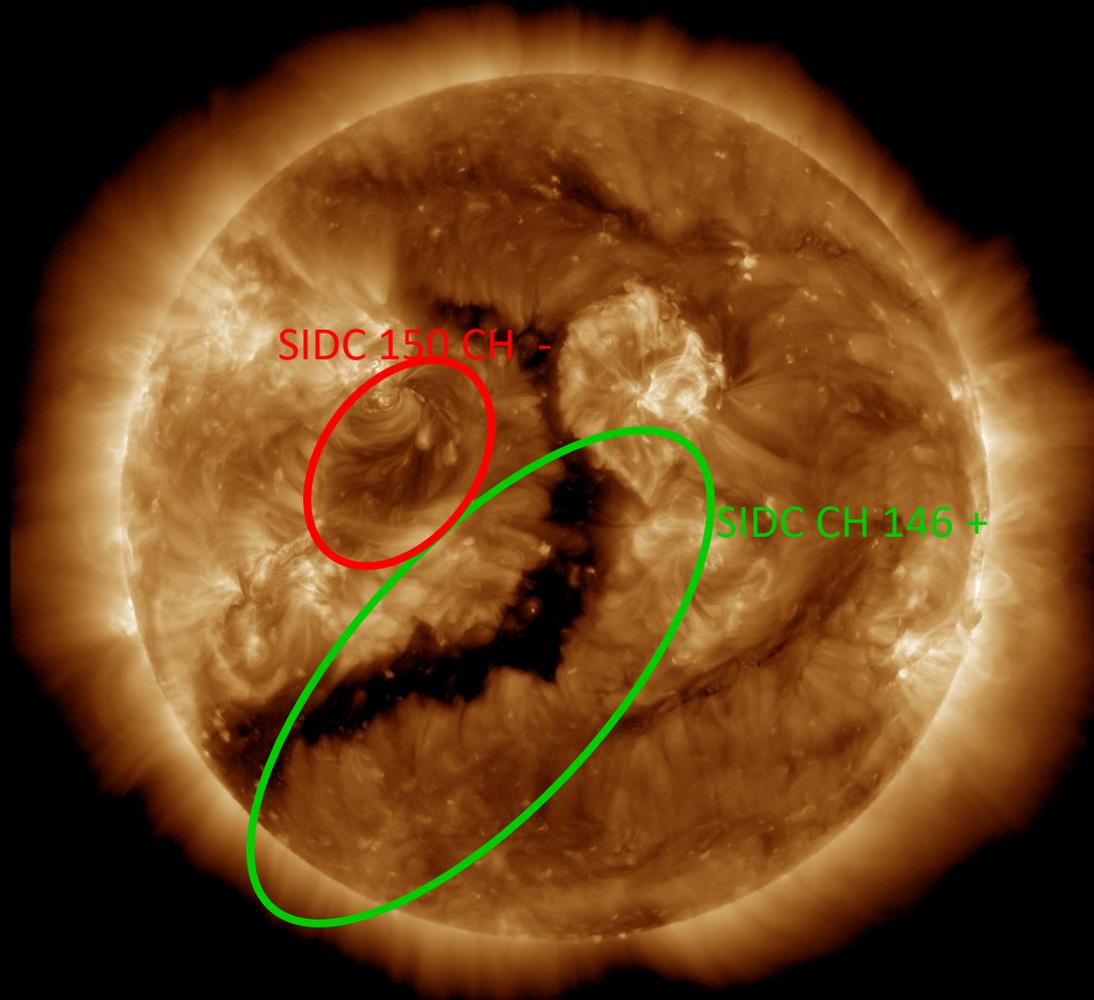
SDO/AIA 19.3 nm 2026-02-10



SDO/AIA 193 2026-02-10 11:58:05 UT

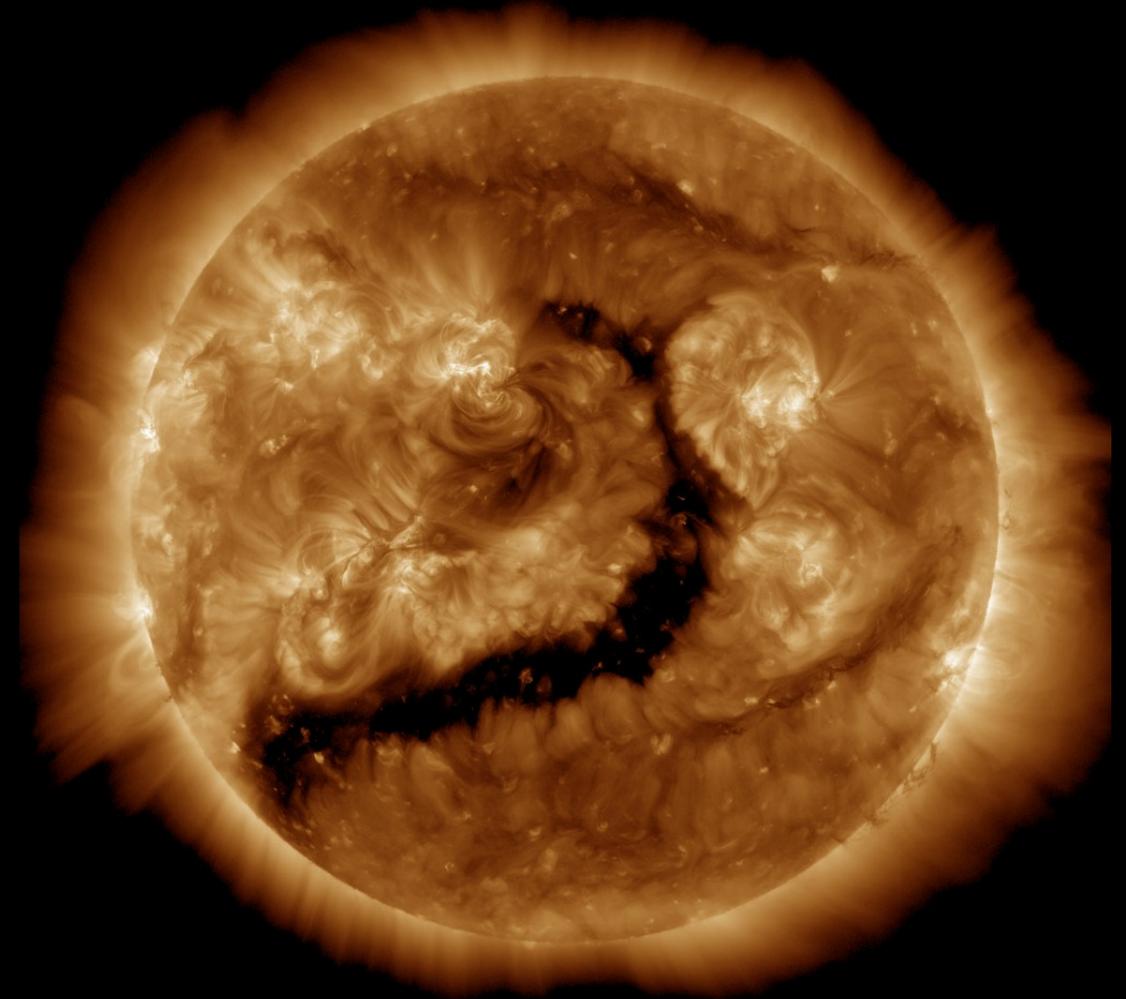
Coronal holes

SDO/AIA 19.3 nm 2026-02-13



SDO/AIA 193 2026-02-13 11:57:53 UT

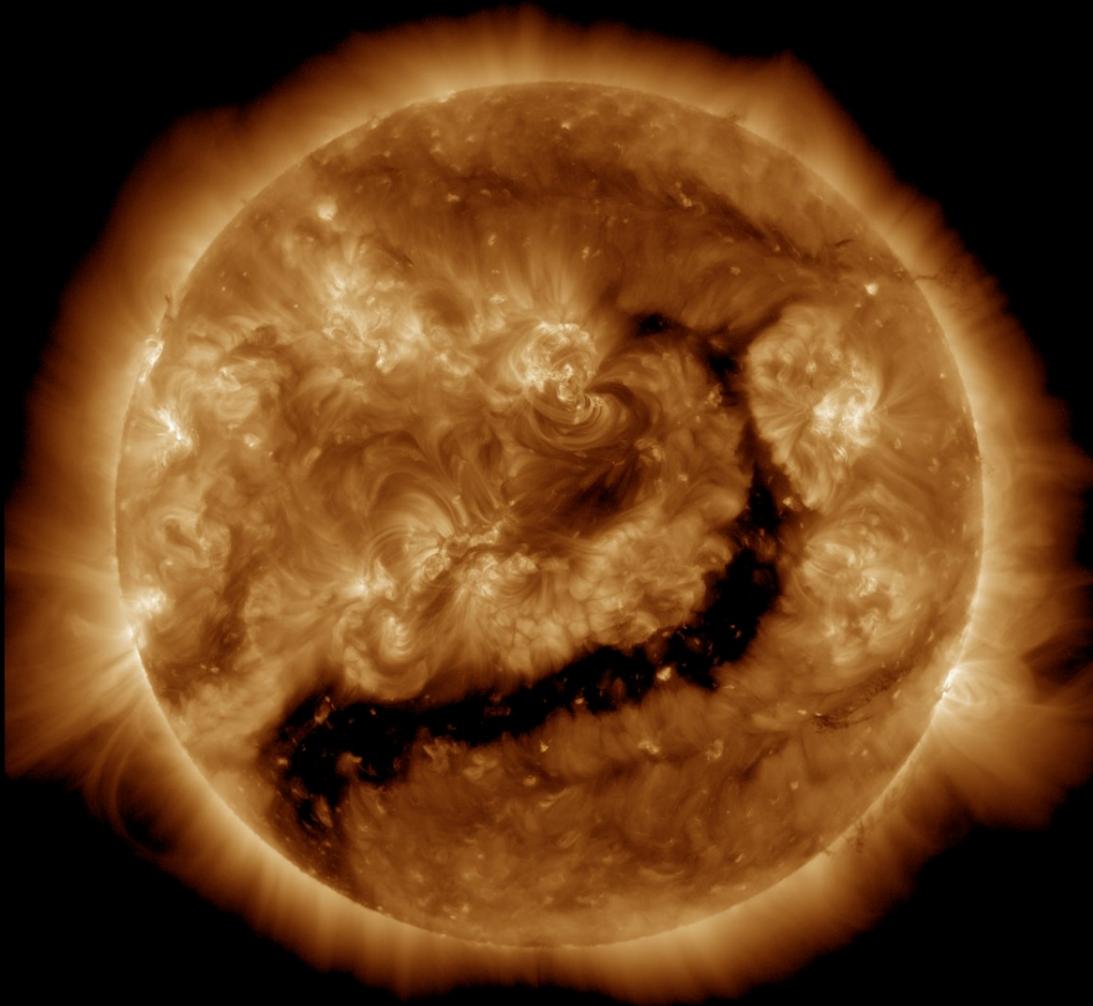
SDO/AIA 19.3 nm 2026-02-14



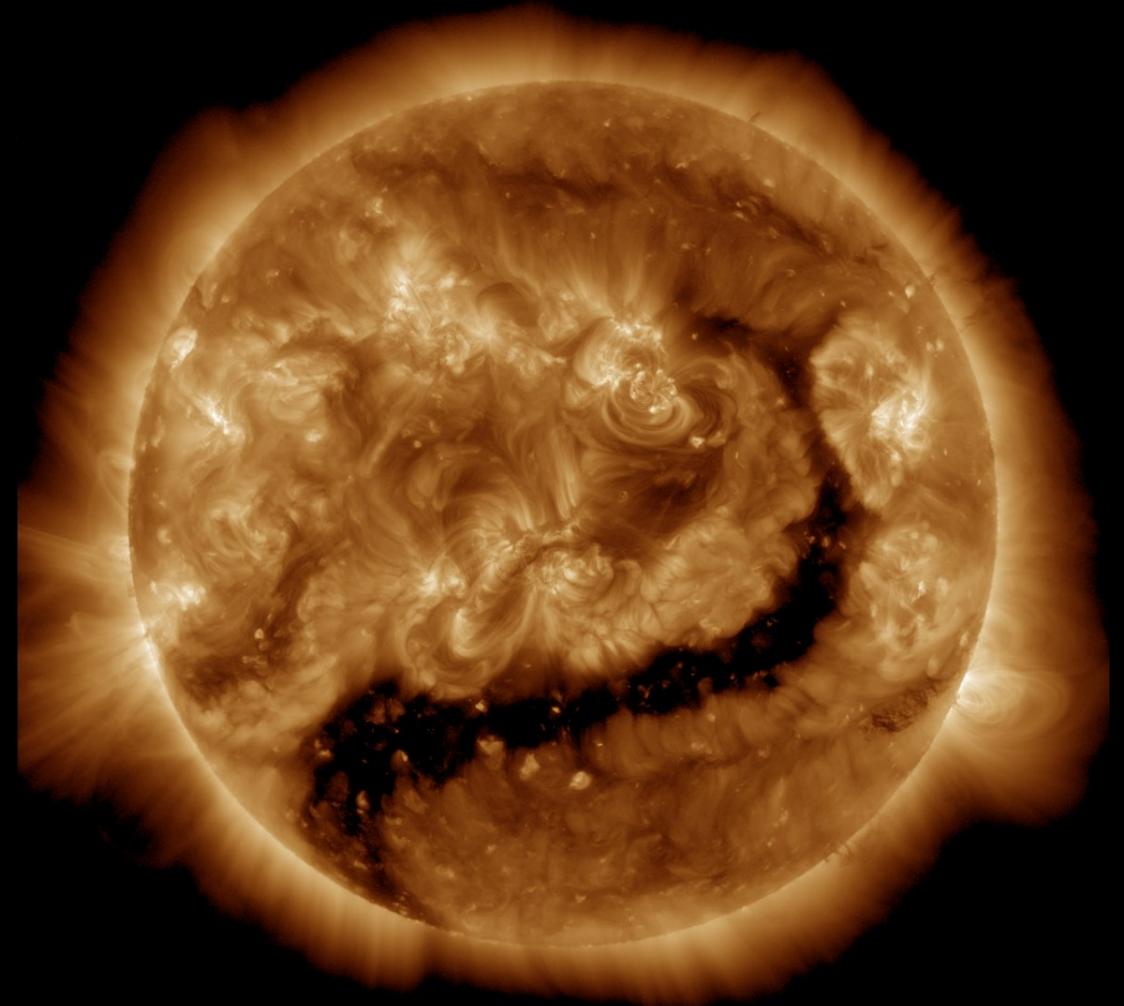
SDO/AIA 193 2026-02-14 11:58:05 UT

Coronal holes

SDO/AIA 19.3 nm 2026-02-15



SDO/AIA 19.3 nm 2026-02-16

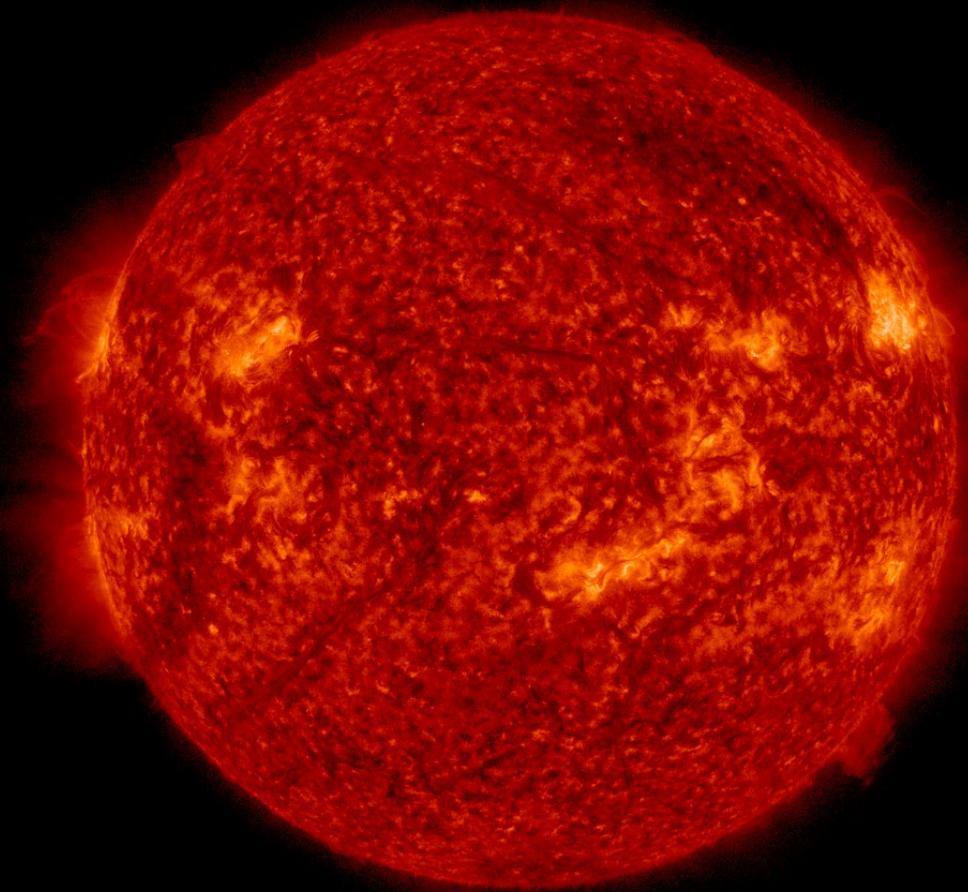


SDO/AIA 193 2026-02-15 11:57:29 UT

SDO/AIA 193 2026-02-16 02:27:53 UT

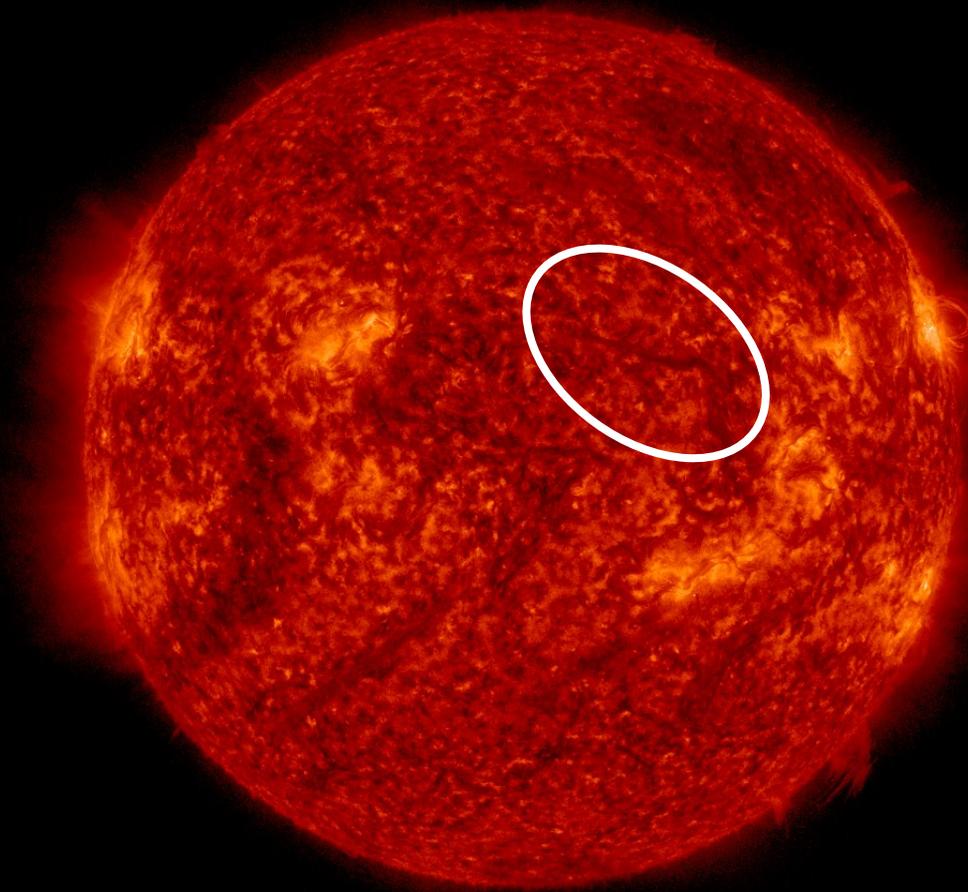
Filaments

SDO/AIA 30.4 nm 2026-02-09



SDO/AIA 304 2026-02-09 11:58:18 UT

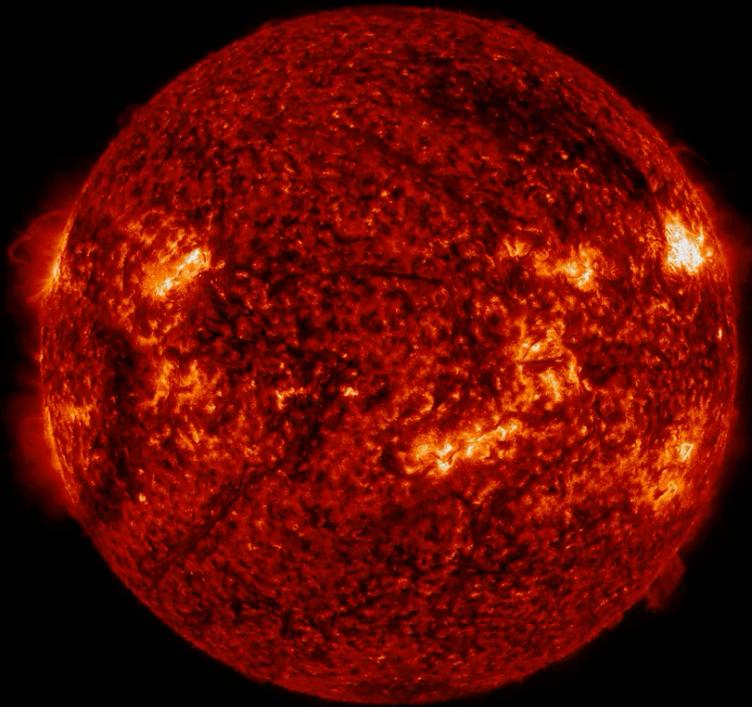
SDO/AIA 30.4 nm 2026-02-10



SDO/AIA 304 2026-02-10 11:58:54 UT

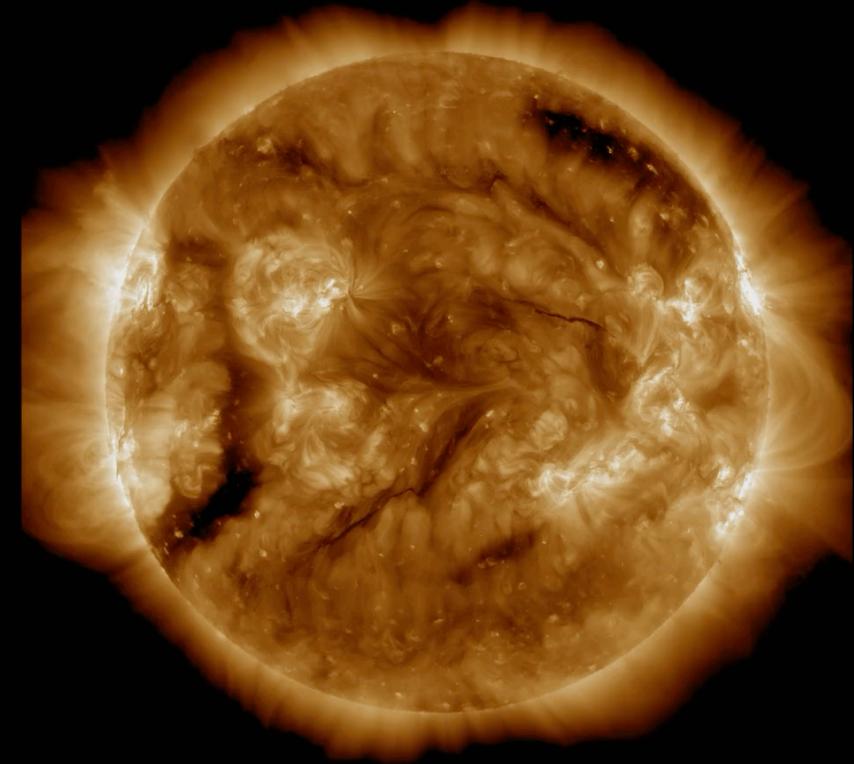
Filaments

SDO/AIA 304



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SDO/AIA 194

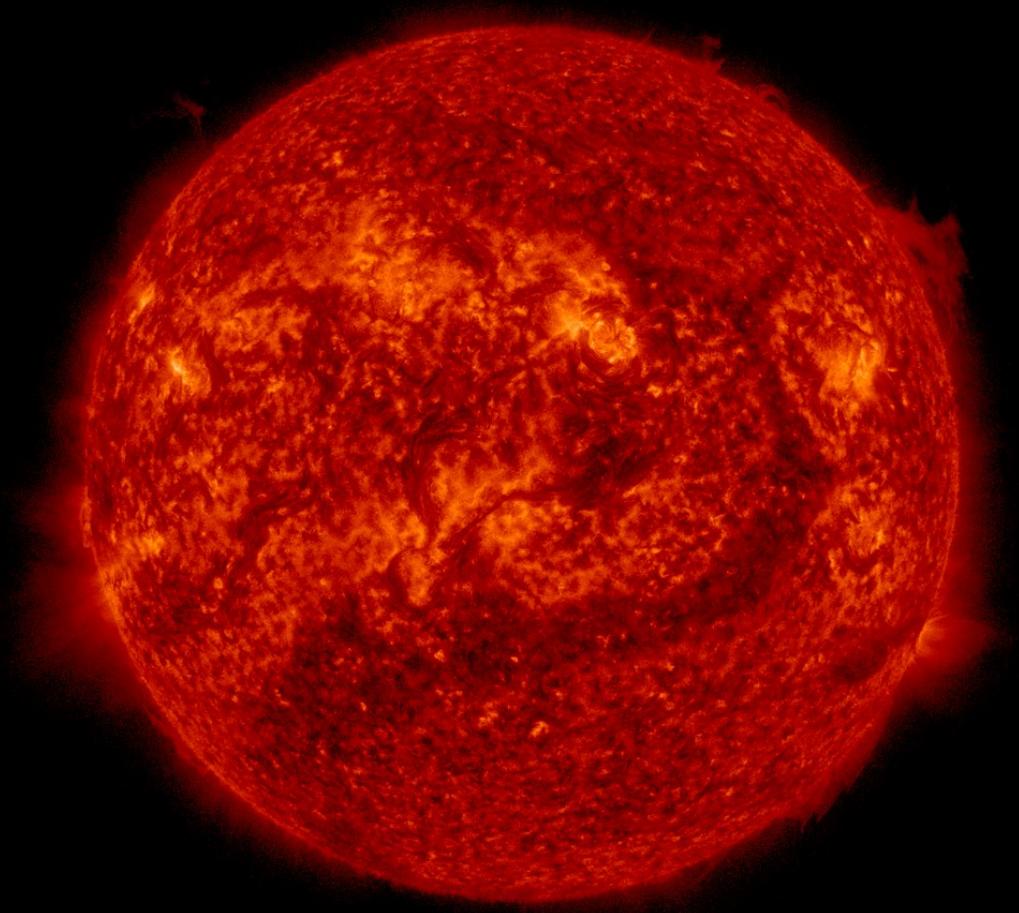
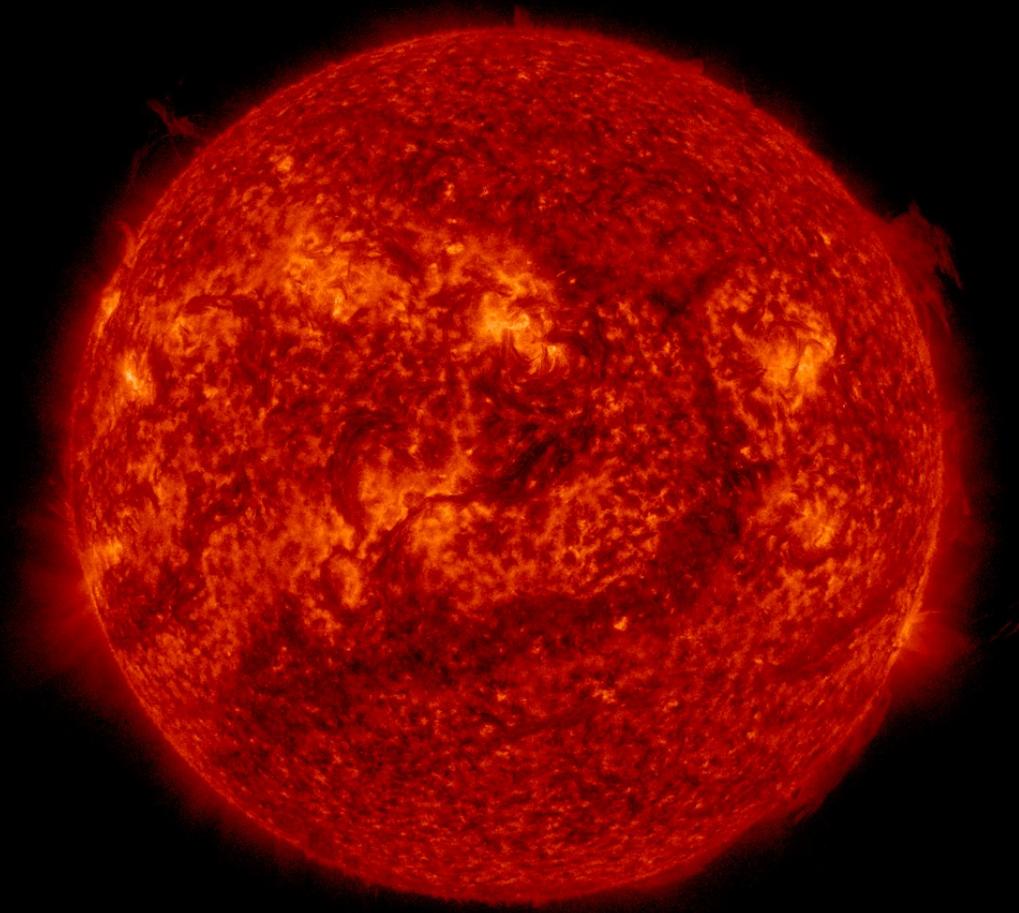


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Filaments

SDO/AIA 30.4 nm 2026-02-15

SDO/AIA 30.4 nm 2026-02-16



SDO/AIA 304 2026-02-15 11:57:54 UT

SDO/AIA 304 2026-02-16 02:28:42 UT

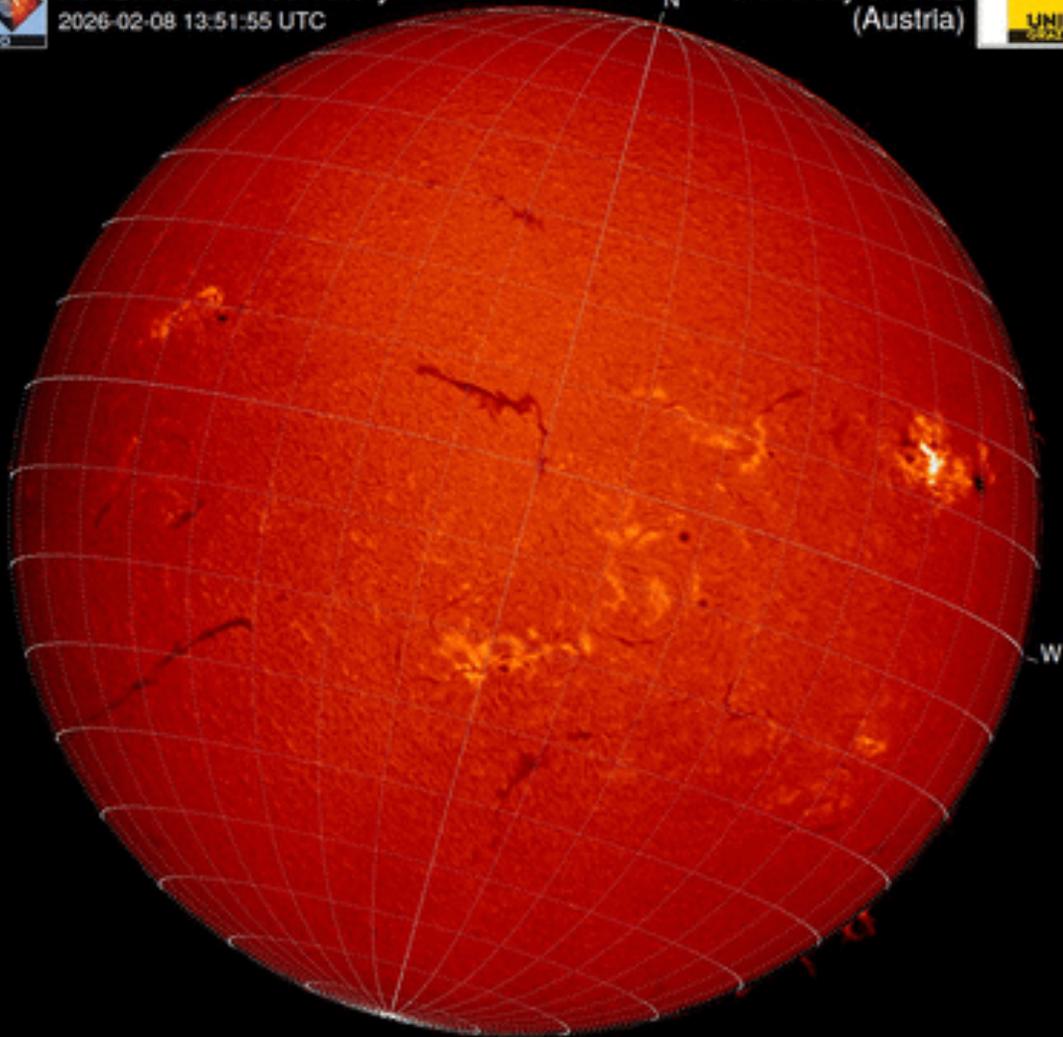
Filaments & Filament eruptions

H-alpha 2026-02-09



Kanzelhöhe Observatory
2026-02-08 13:51:55 UTC

University of Graz
(Austria)

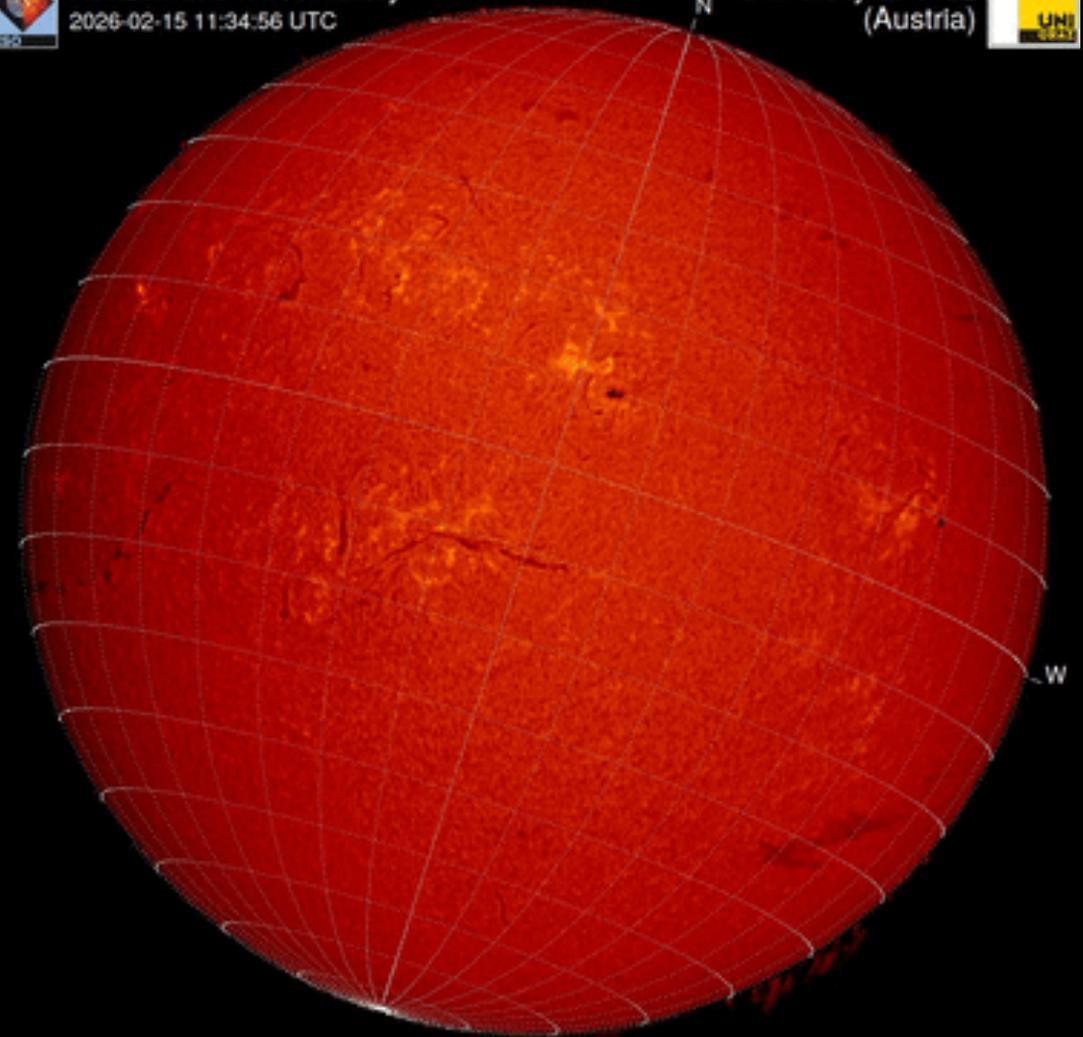


H-alpha 2026-02-15

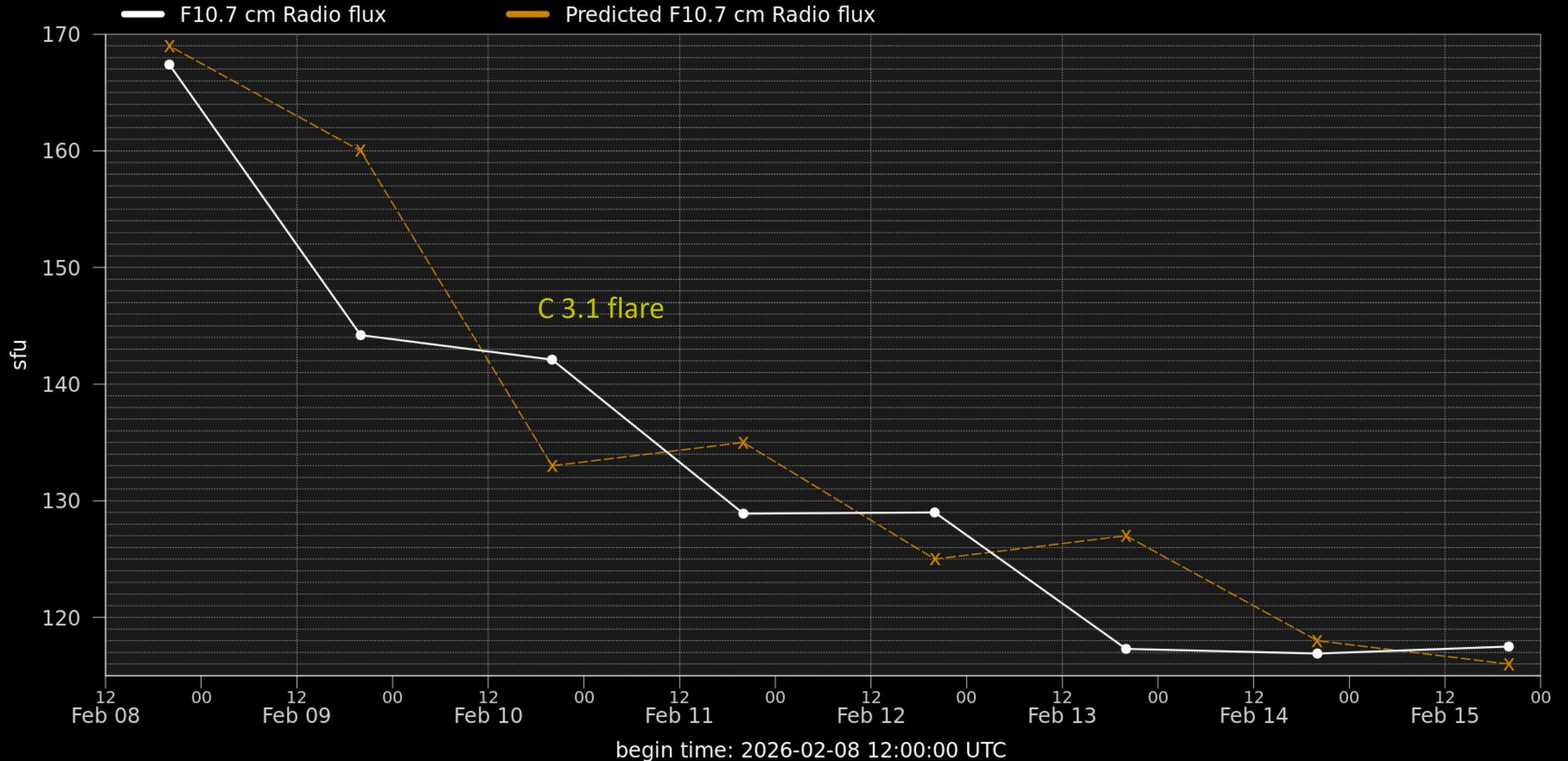


Kanzelhöhe Observatory
2026-02-15 11:34:56 UTC

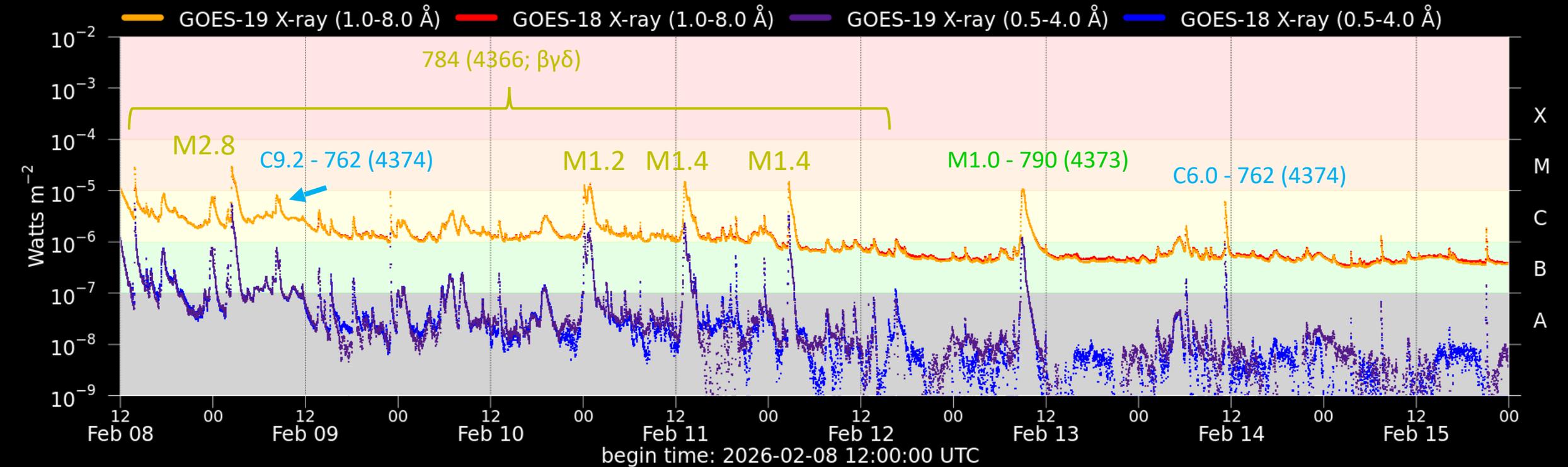
University of Graz
(Austria)



Solar F10.7cm radio flux



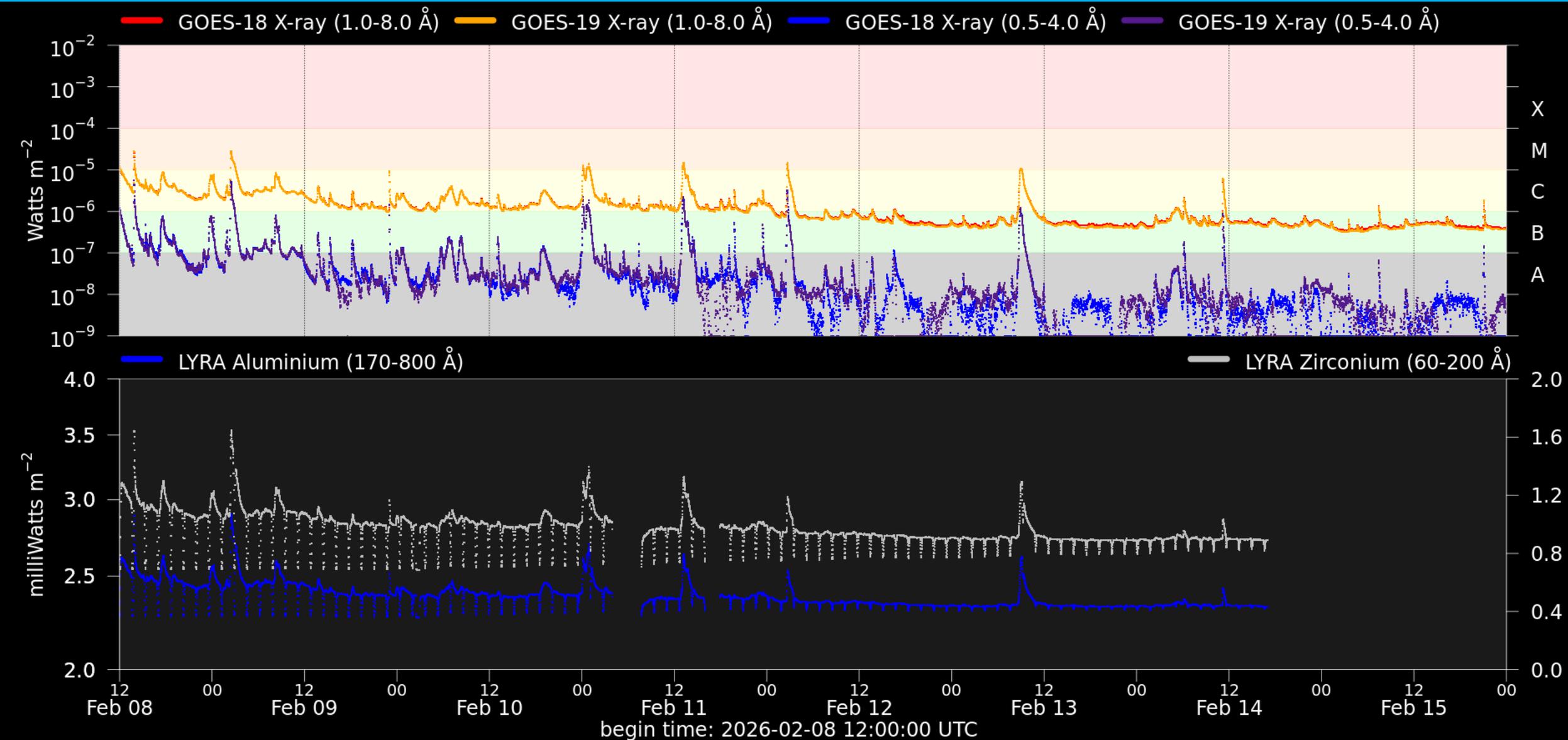
Flaring activity



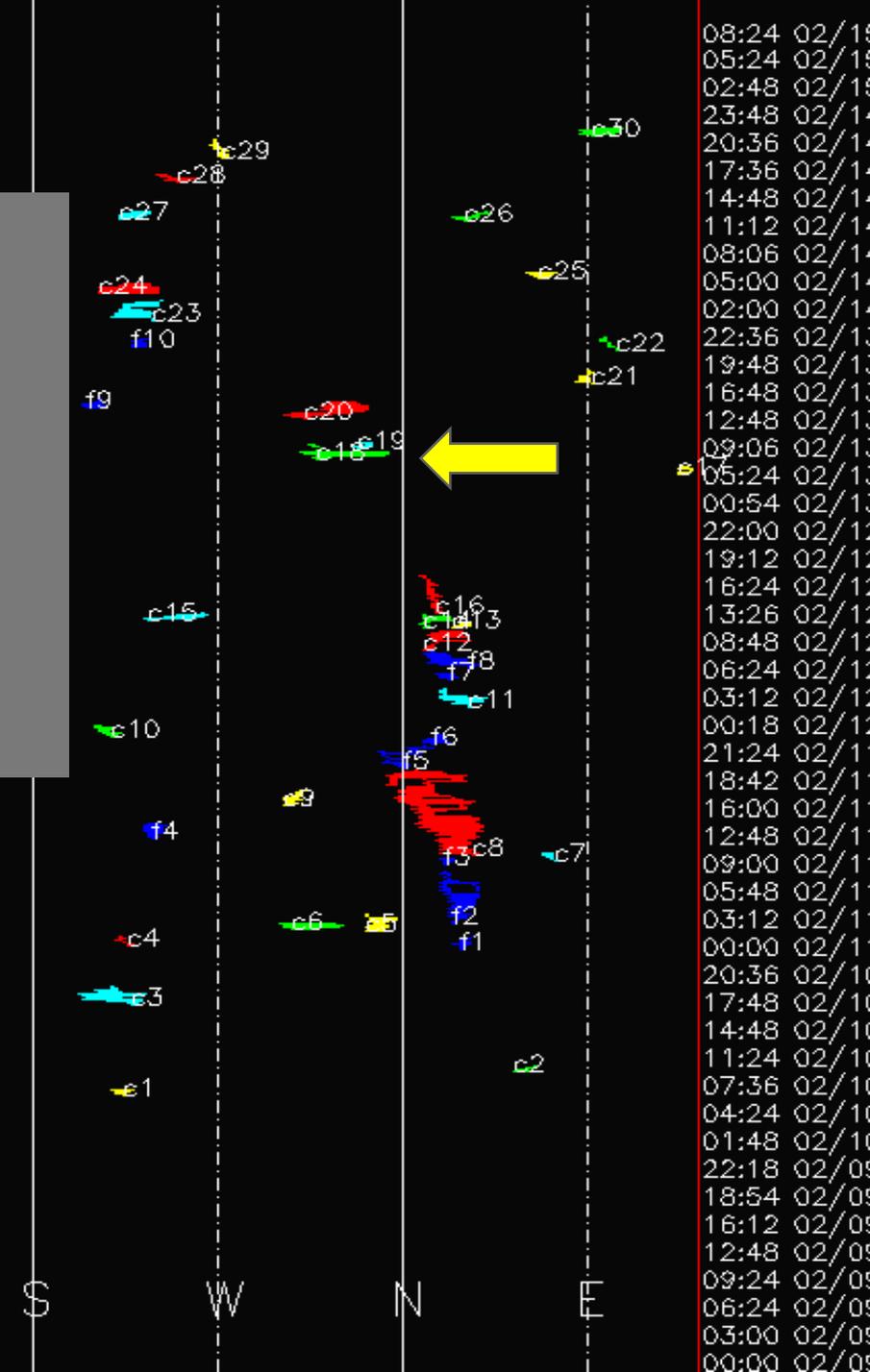
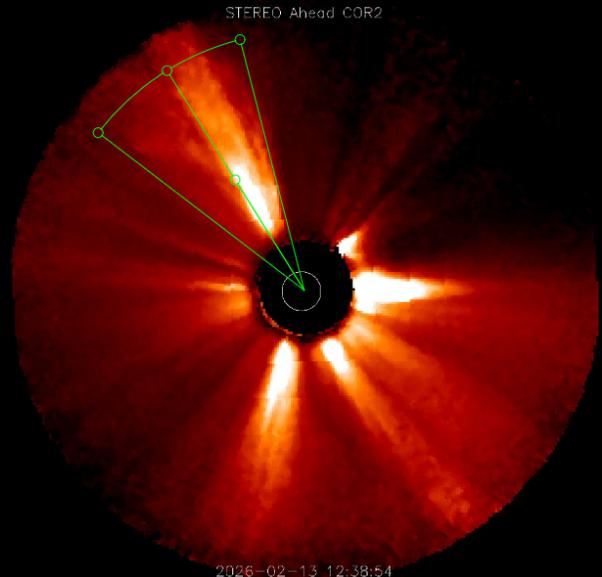
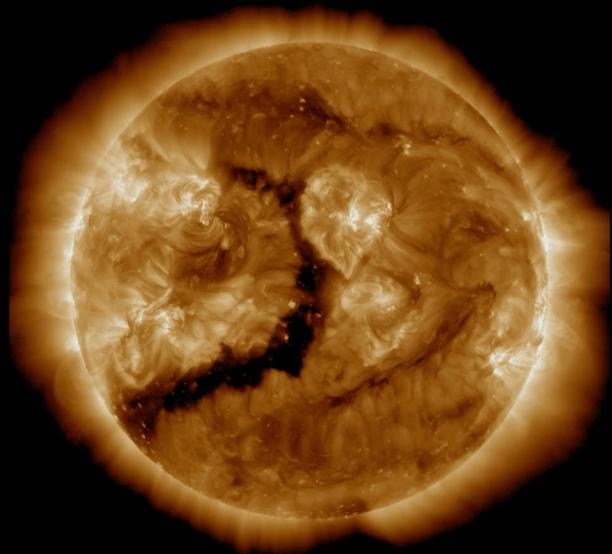
Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

Issue date	2026-02-08	2026-02-09	2026-02-10	2026-02-11	2026-02-12	2026-02-13	2026-02-14	2026-02-15
Probability (%)	64 18 01	67 16 01	79 26 01	70 23 01	91 45 02	98 49 01	97 40 01	99 70 10
Observed (#)	06 02 00	05 00 00	03 02 00	02 02 00	01 01 00	02 00 00	01 00 00	01 00 00

Solar X-Ray and UV flux



Coronal Mass Ejections



Solar Wind and

Geomagnetic Activity

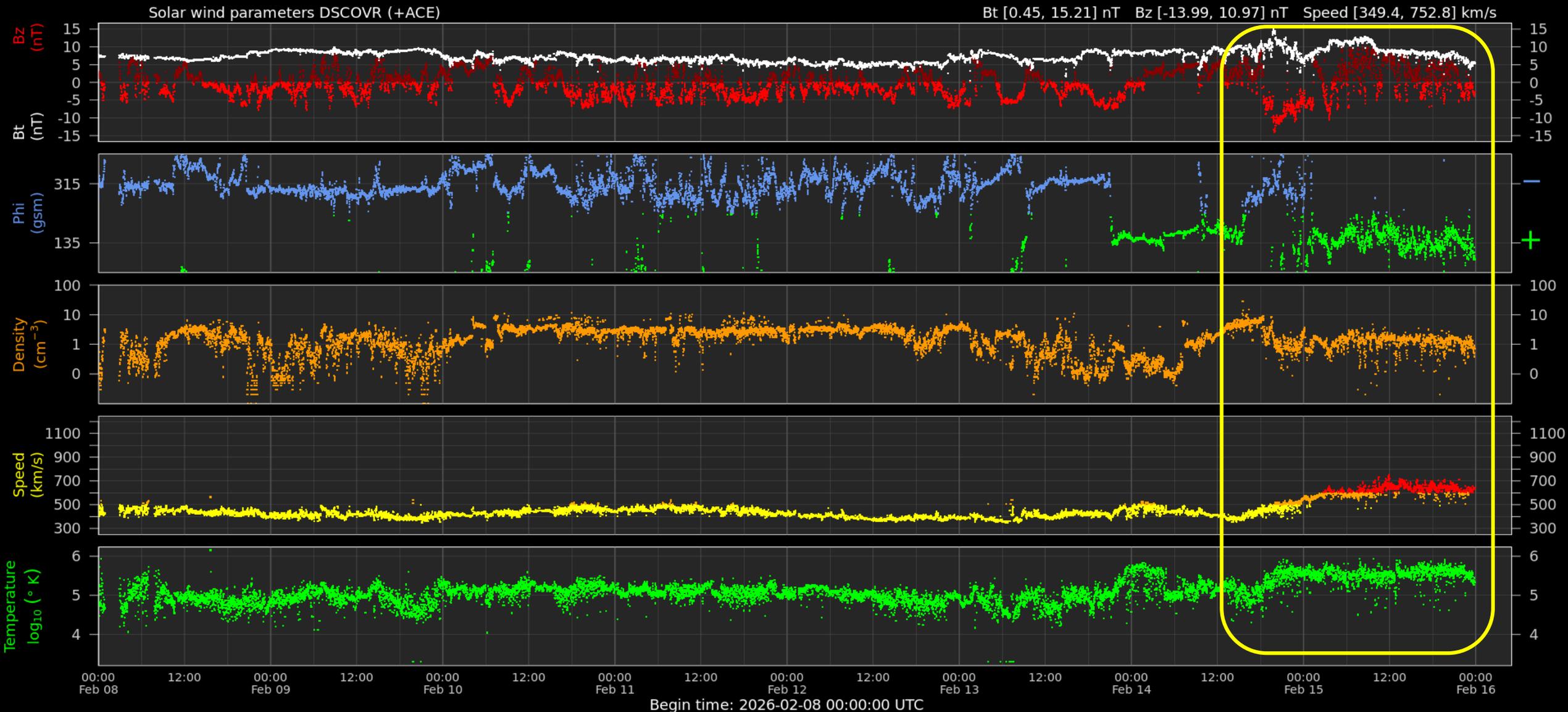


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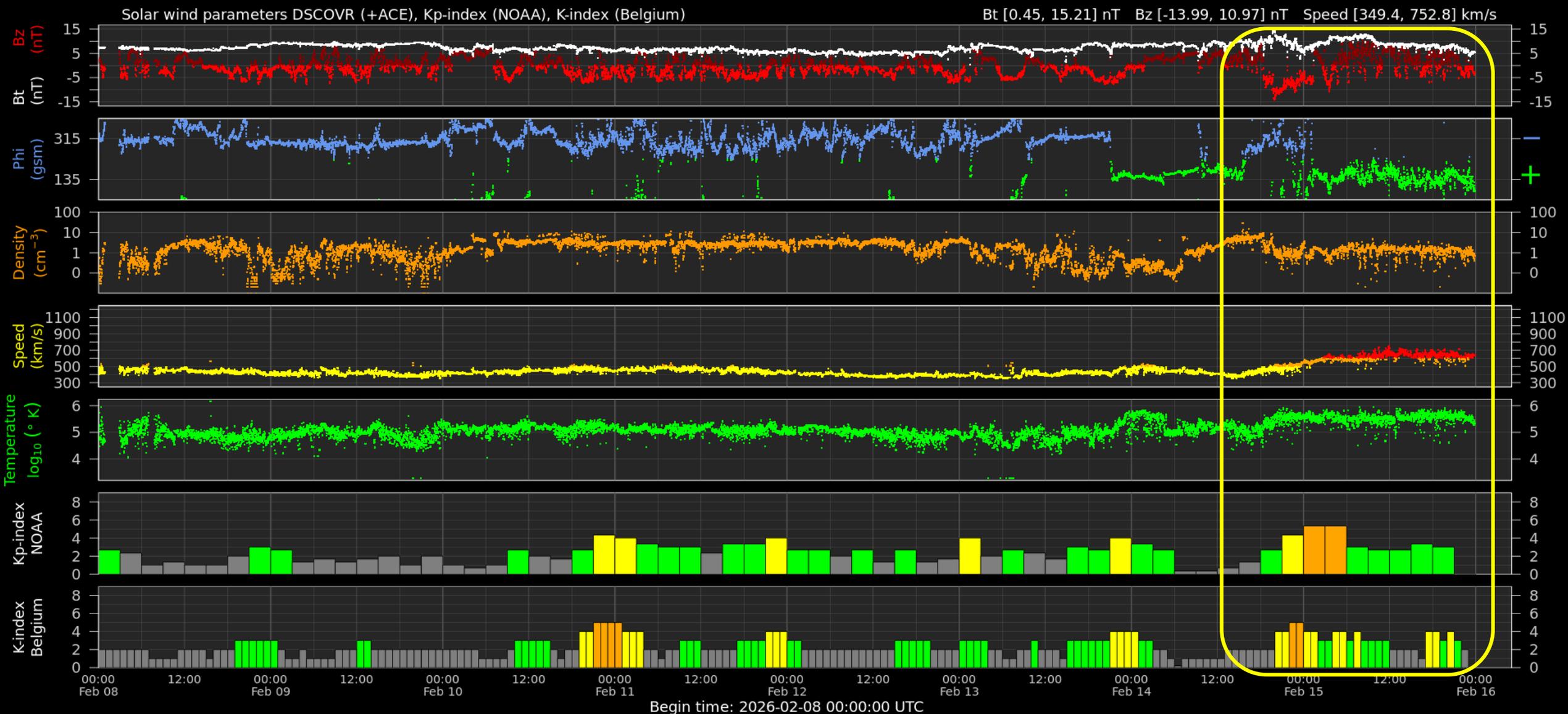
Solar wind parameters

SIDC CH 146

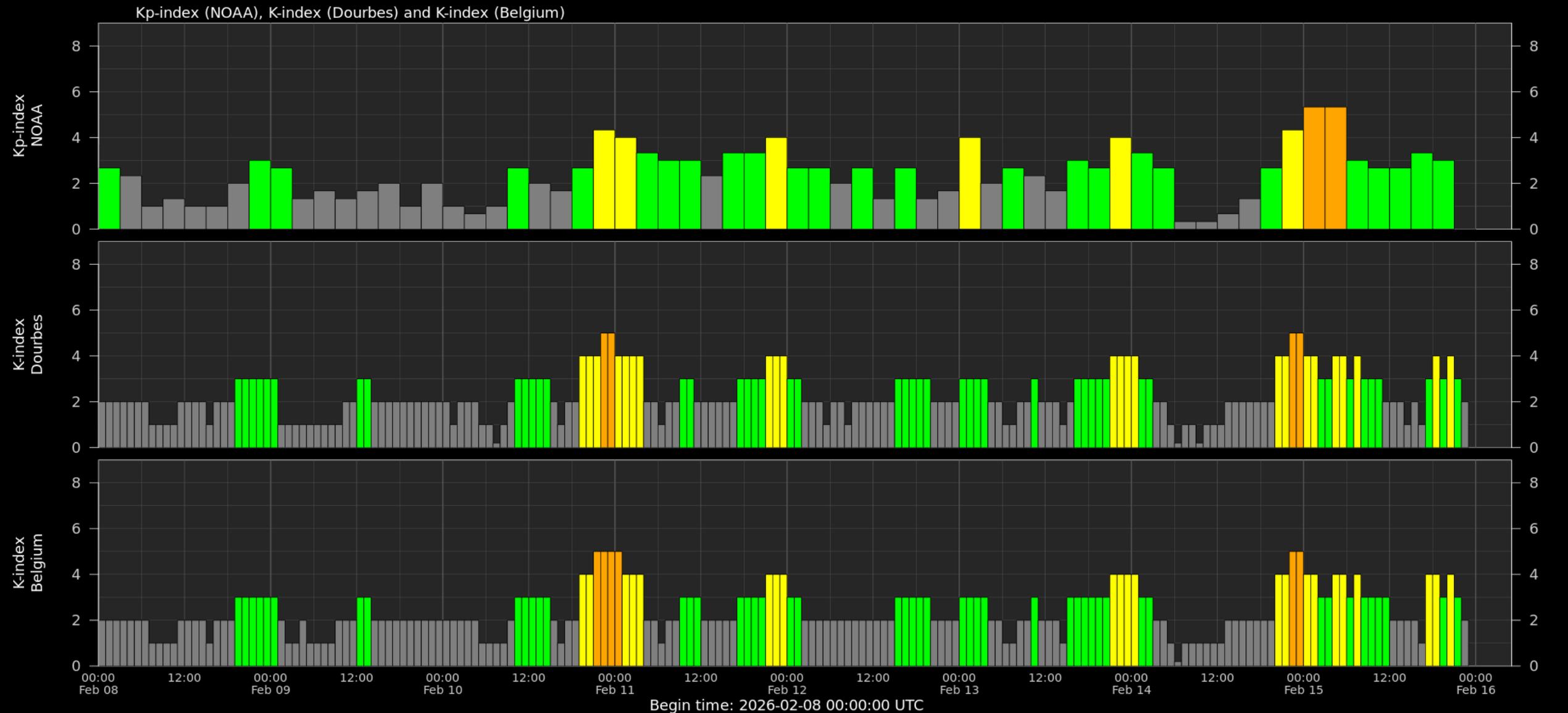


Solar wind parameters & K-indices

SIDC CH 146



Geomagnetic activity (K-indexes)



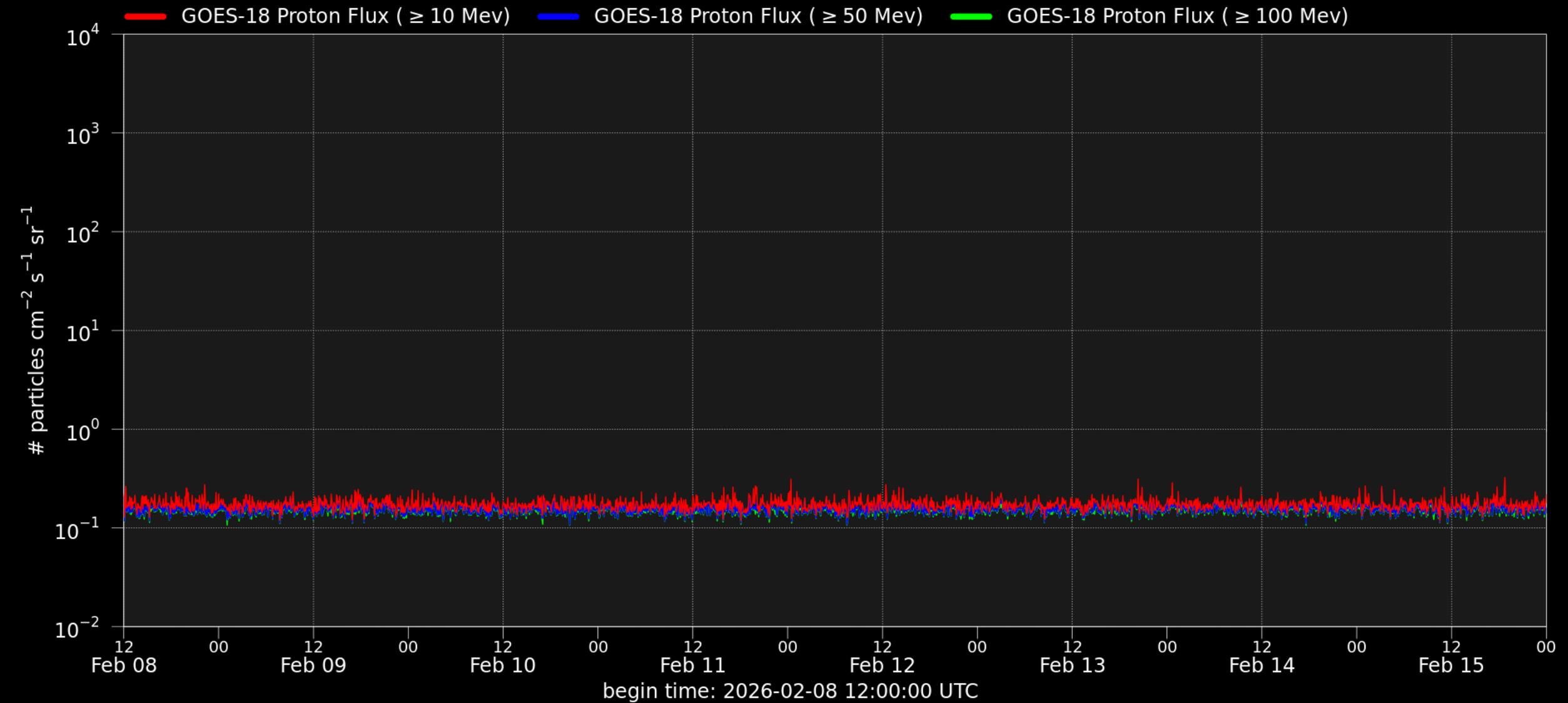
Energetic Particles



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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



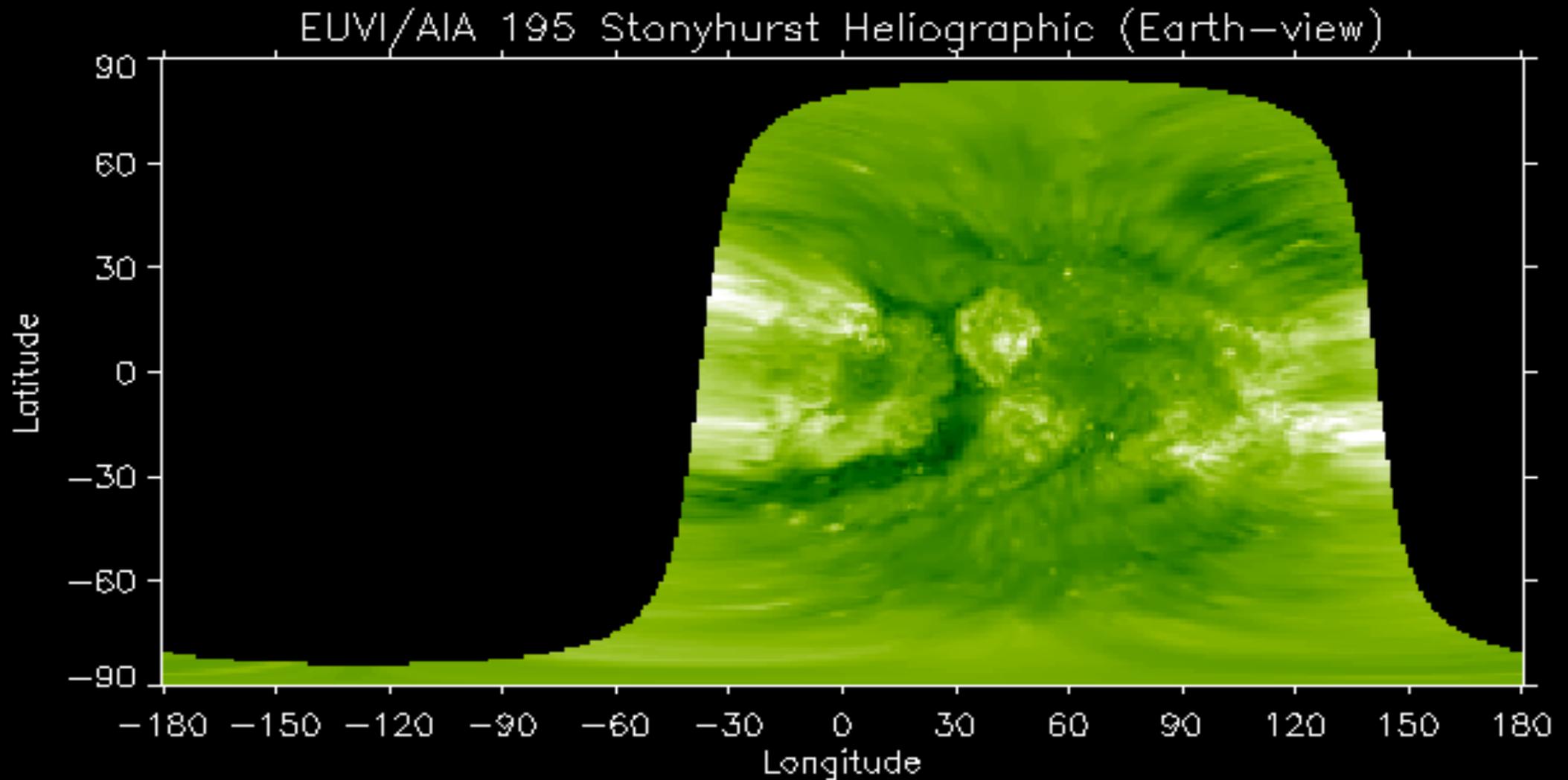
Outlook



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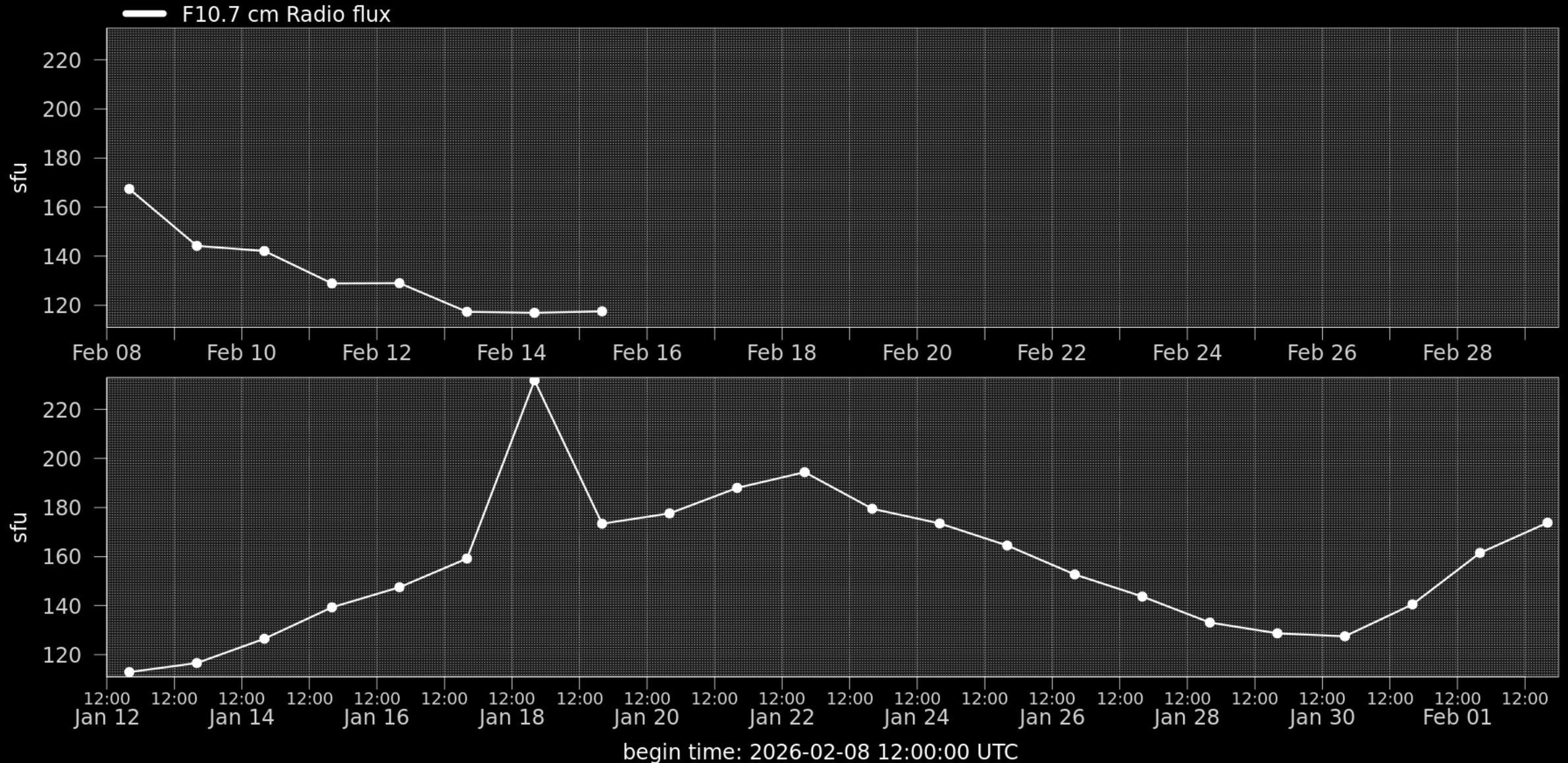
Solar Influences
Data analysis Centre
www.sidc.be

Outlook: Solar activity

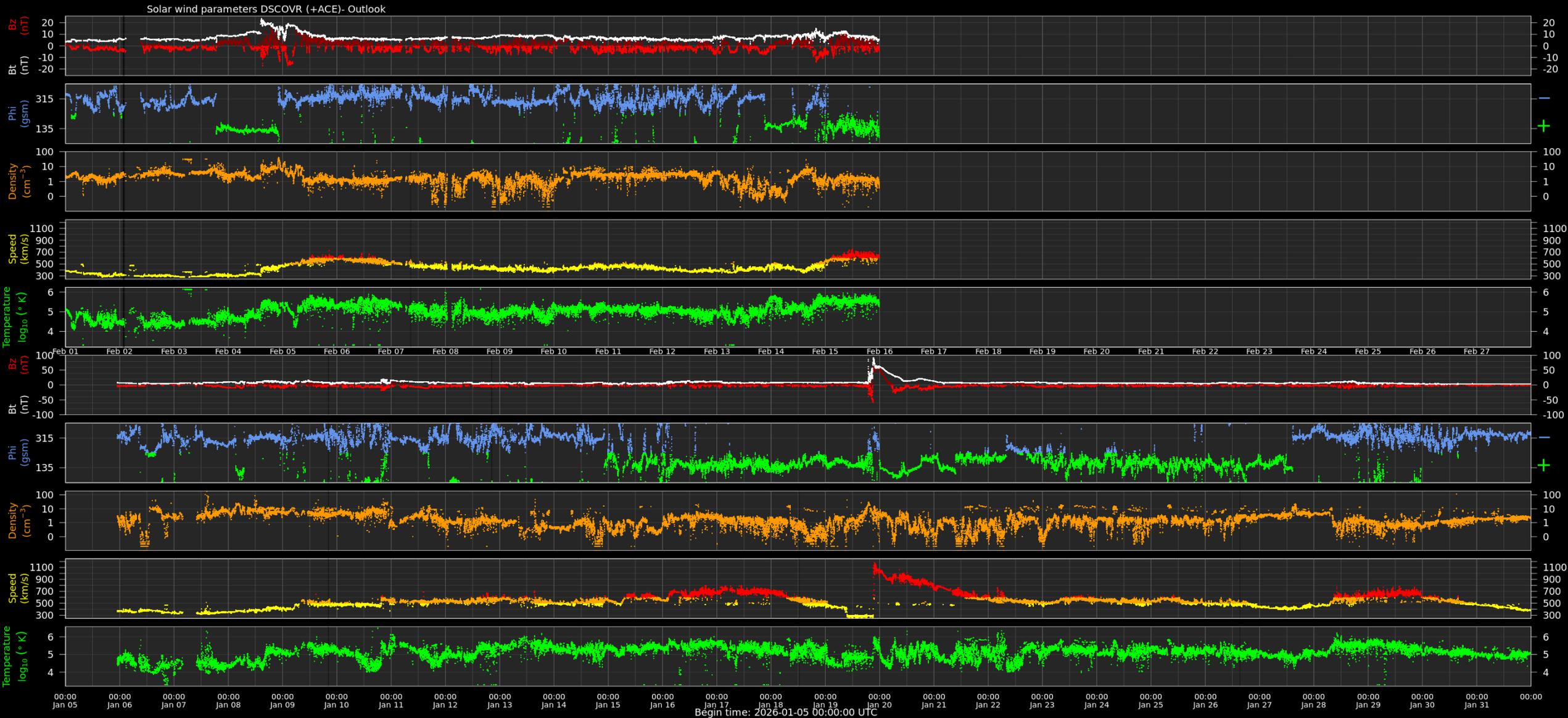


Observation date: 2026/02/15 18:35:00

Outlook: Solar F10.7cm radio flux



Outlook: Solar wind parameters



Outlook: Geomagnetic activity



Outlook: Electron Flux at GEO Outlook



PECASUS



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Pegasus related events

Scintillation advisories

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See you at our next briefing!

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