

SIDC Space Weather Briefing

26 January 2026-01 February 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 2026-01-26 00:00 to 2026-02-01 23:59

Active regions	> 20 ARs, SIDC SSG 784 (NOAA AR 4366)
Flares	# C-class flare: 39 # M-class flare: 12 # X-class flare: 3
Coronal Holes	CH-, CH-
CMEs	No Earth-directed

Proton flux	Nominal levels
Electron flux	Moderate to high levels

Solar wind and geomagnetic conditions

ICMEs	None
Solar wind conditions	B : 1.56 - 13.58 nT //Bz: -12.17 nT to 11.71 nT //Speed: 283.4 - 781.2km/s
Geomagnetic conditions	max K _{Be} : 5.0, max K _p (NOAA): 5.33, Minor Storm conditions

All Quiet Alert: Off (Not Quiet)

Solar Activity

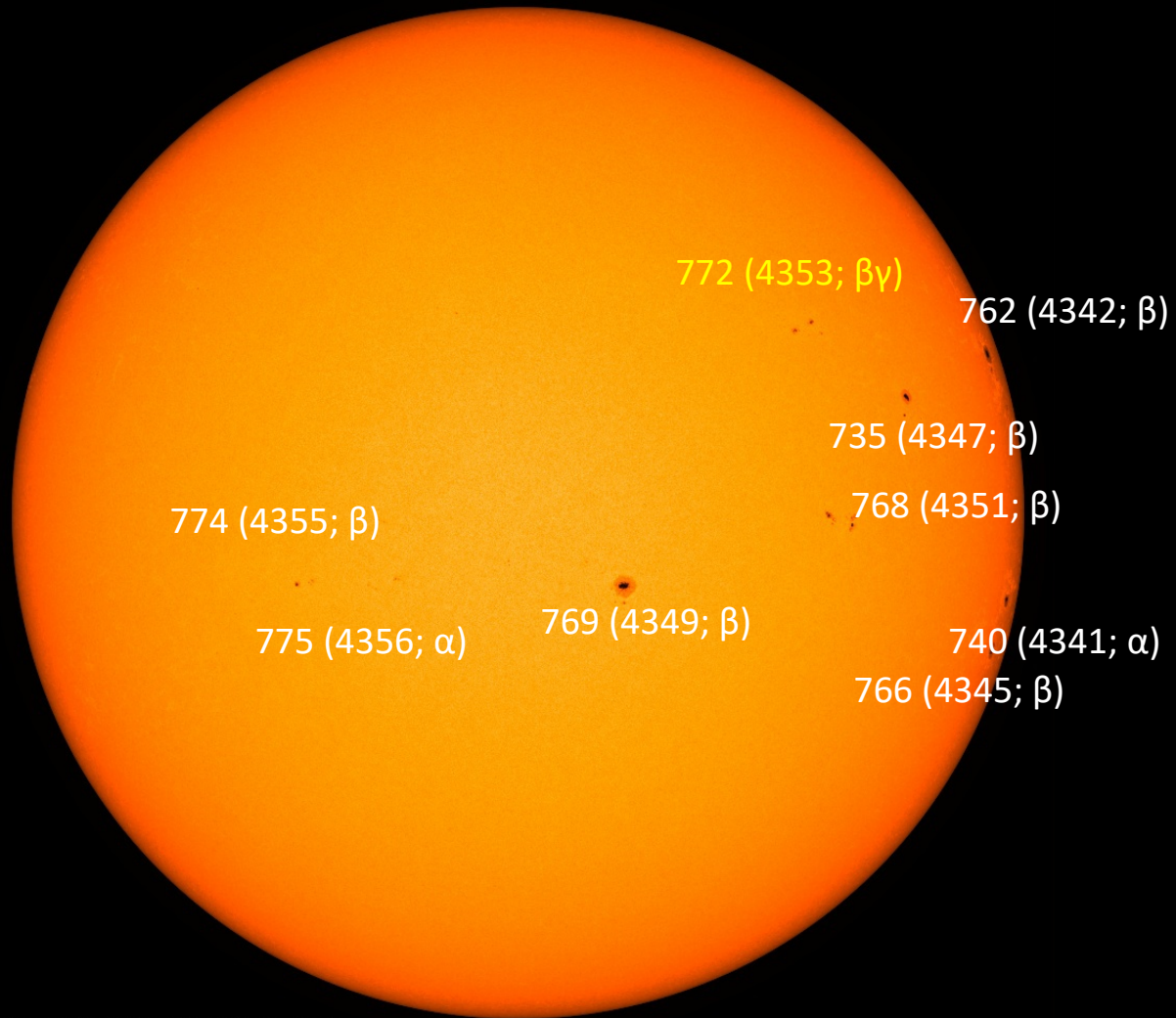


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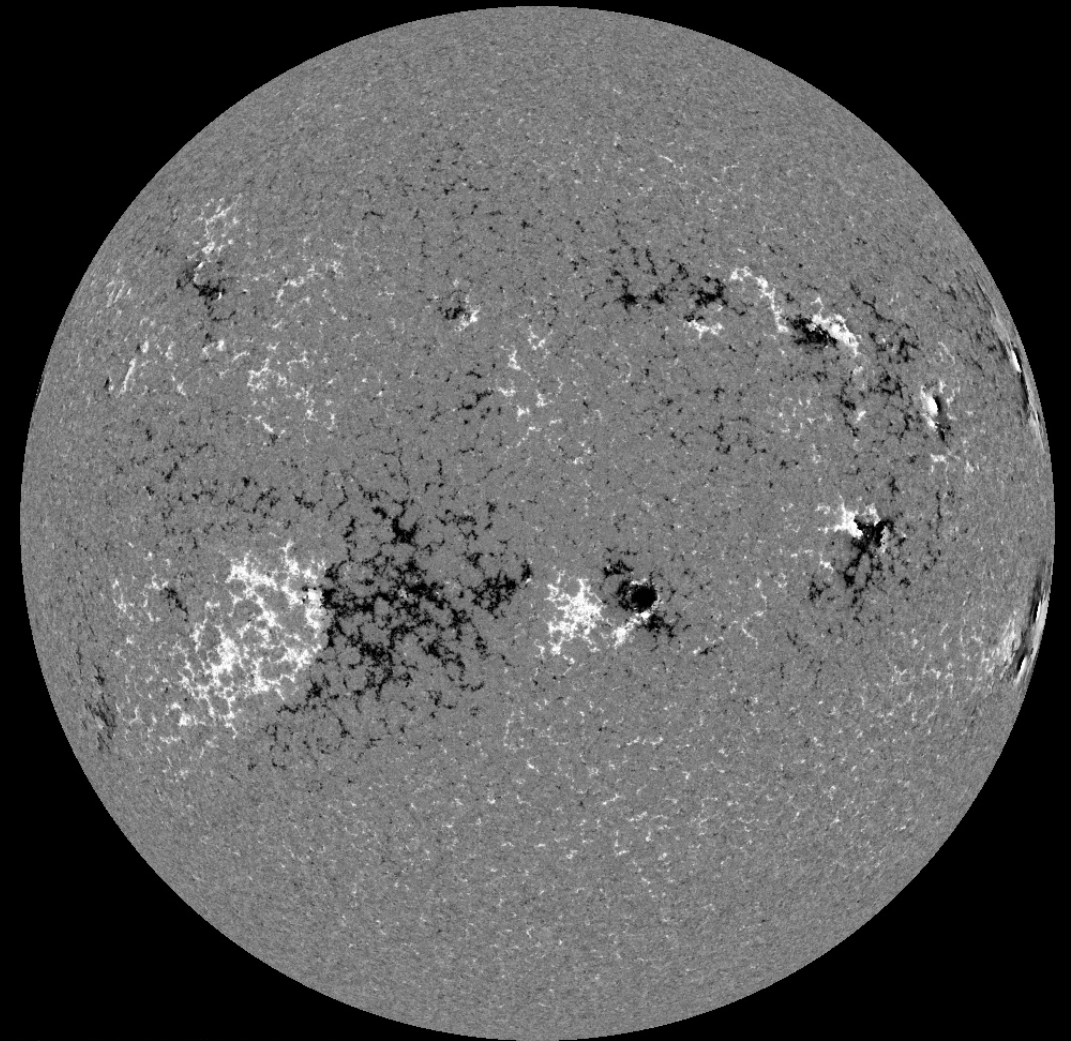
Solar active regions

SDO/HMI White Light 2026-01-26



SDO/HMI Quick-Look Continuum: 20260126_120000

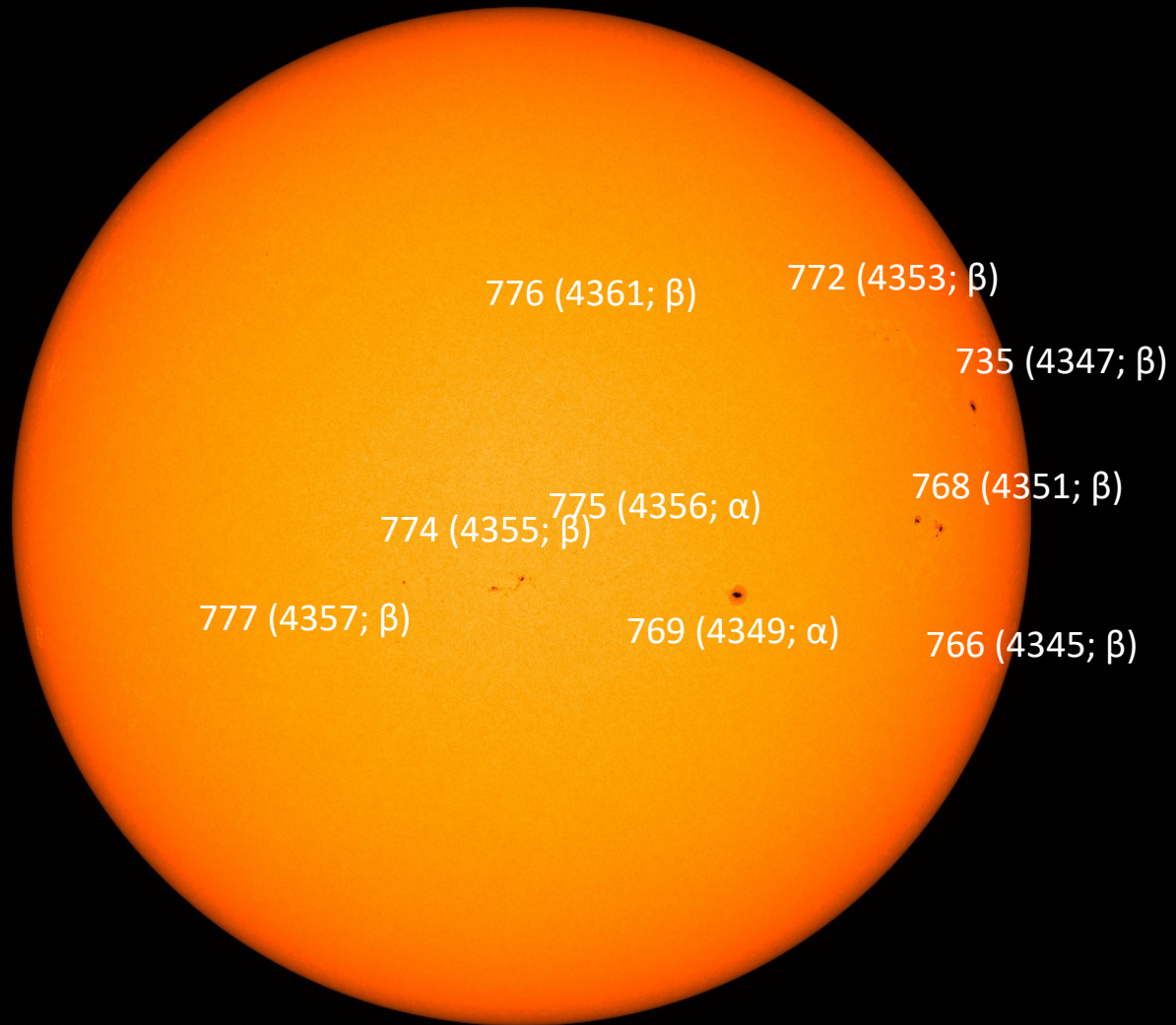
SDO/HMI Magnetogram 2026-01-26



SDO/HMI Quick-Look Magnetogram: 20260126_120000

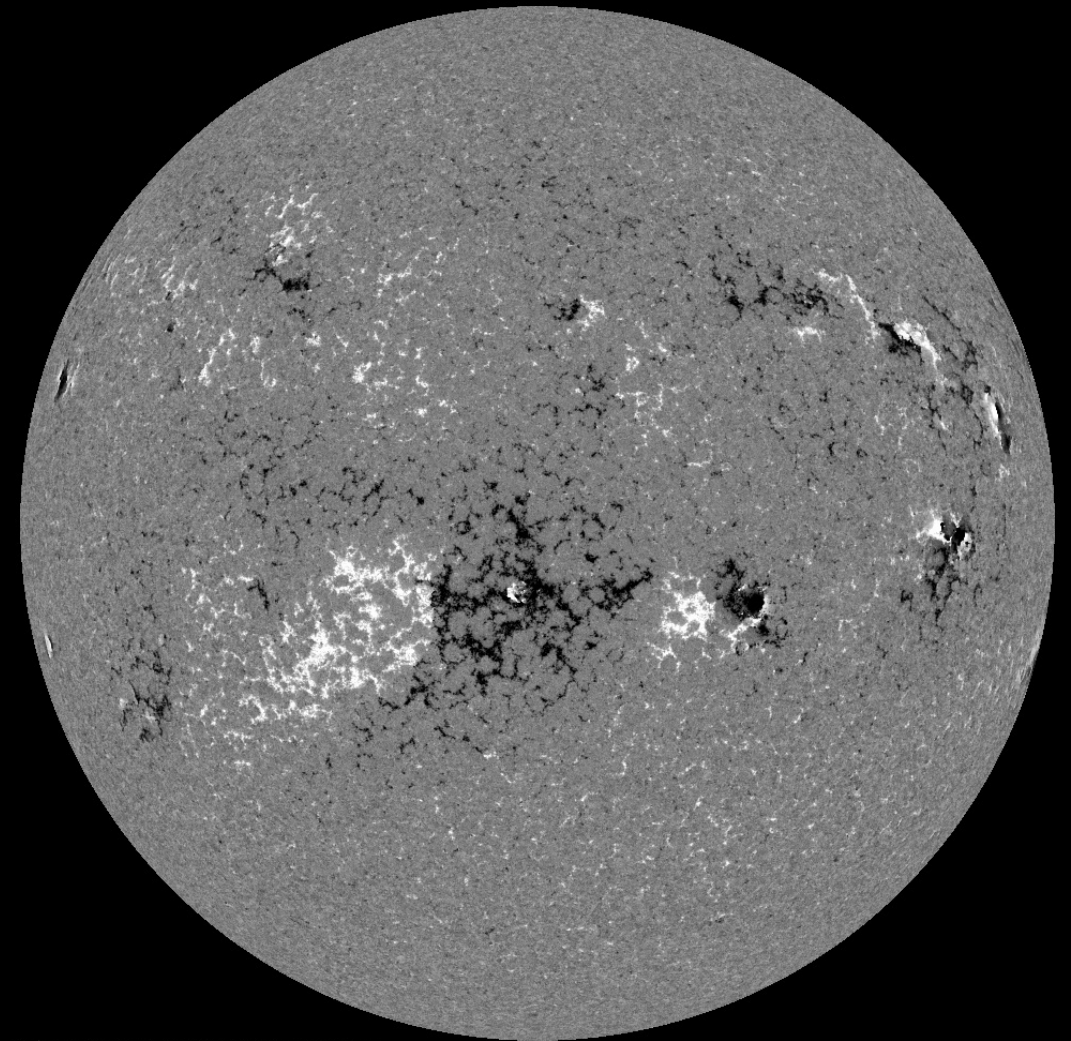
Solar active regions

SDO/HMI White Light 2026-01-27



SDO/HMI Quick-Look Continuum: 20260127_120000

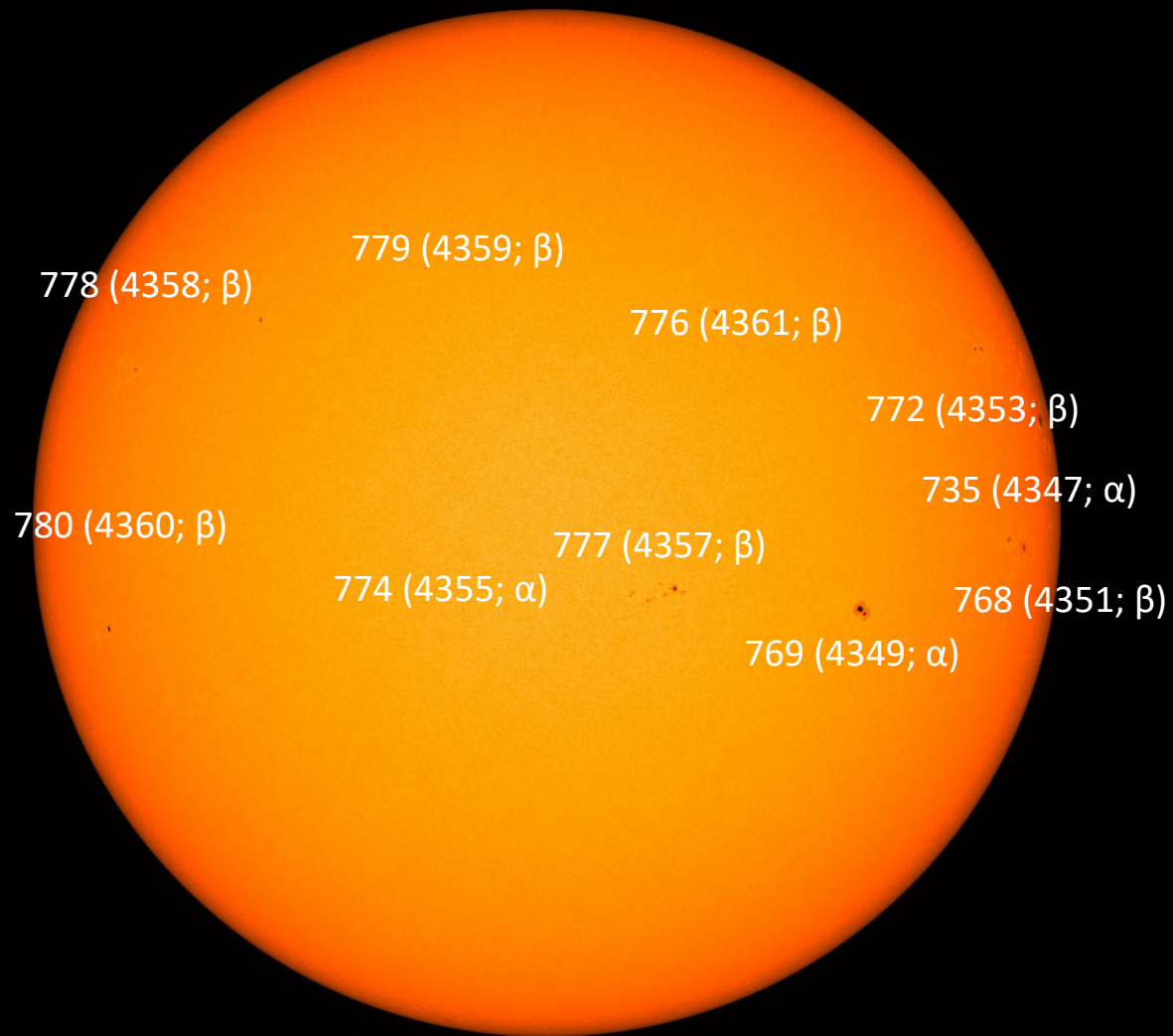
SDO/HMI Magnetogram 2026-01-27



SDO/HMI Quick-Look Magnetogram: 20260127_120000

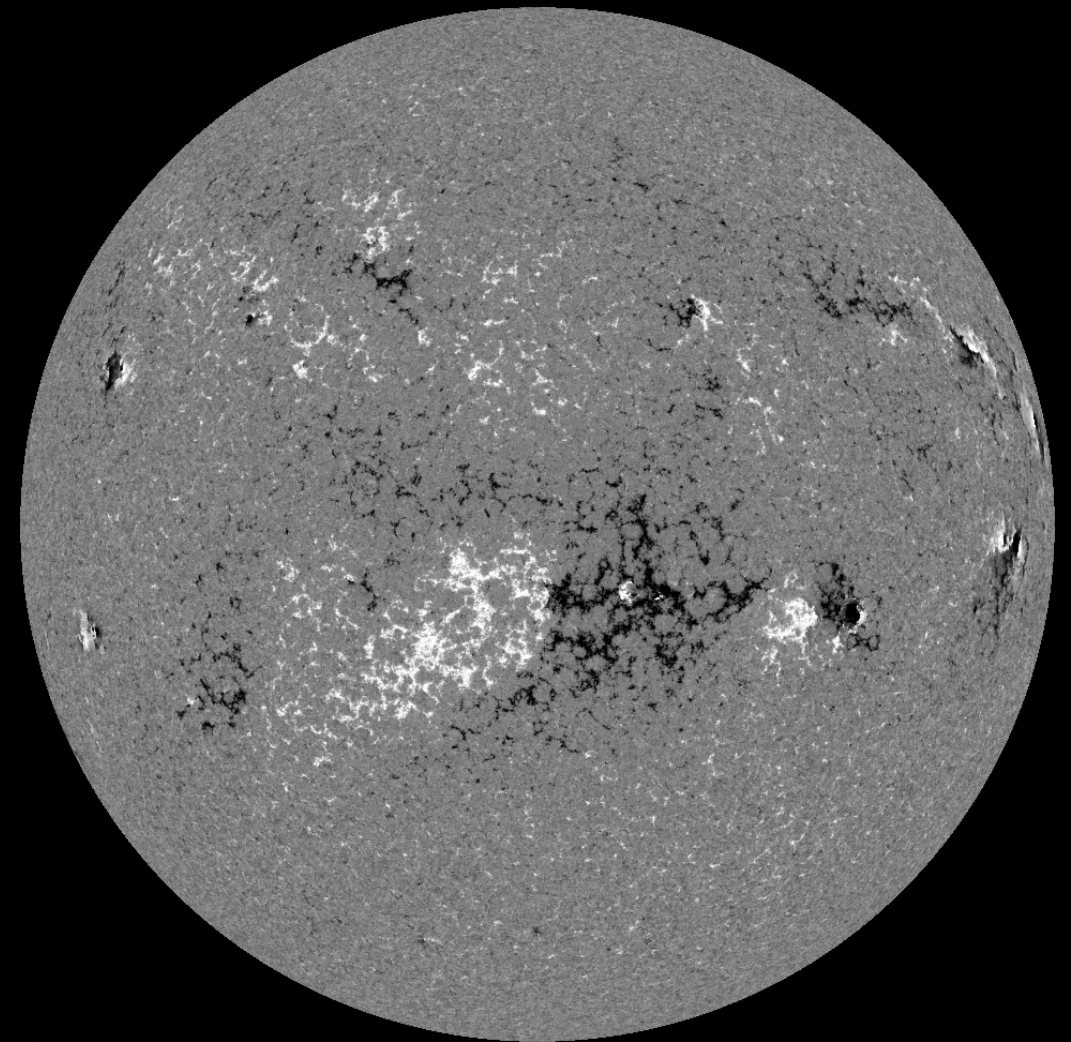
Solar active regions

SDO/HMI White Light 2026-01-28



SDO/HMI Quick-Look Continuum: 20260128_120000

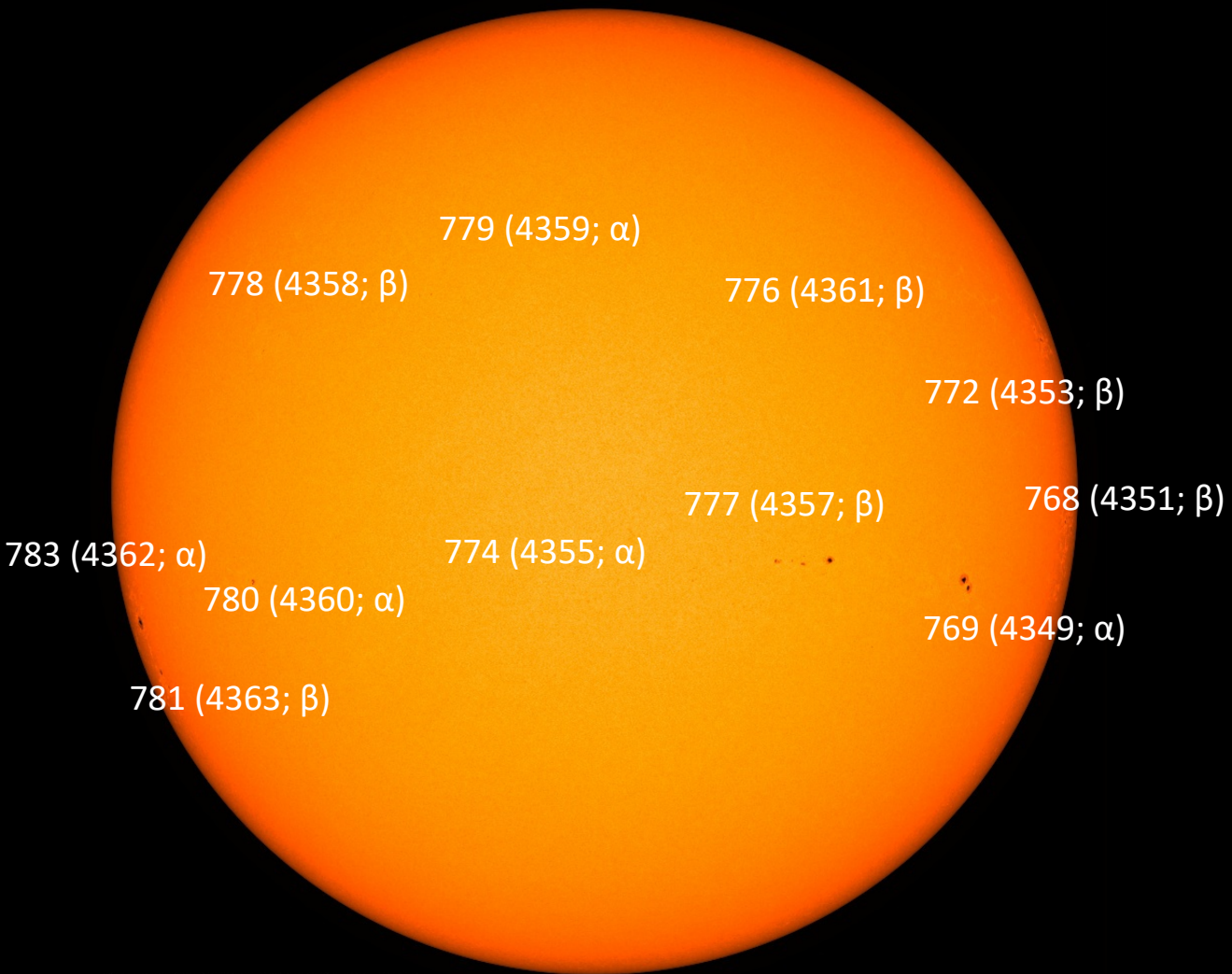
SDO/HMI Magnetogram 2026-01-28



SDO/HMI Quick-Look Magnetogram: 20260128_120000

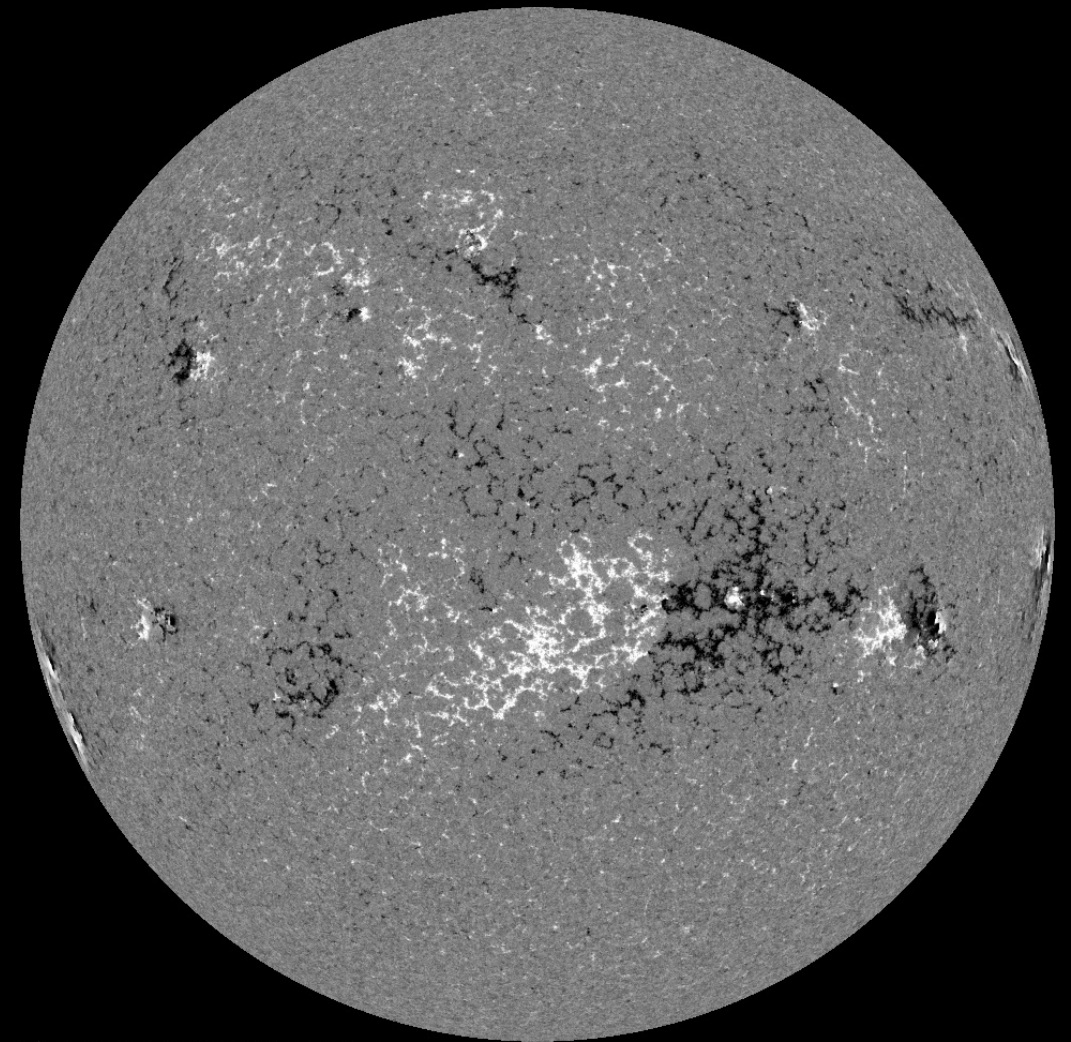
Solar active regions

SDO/HMI White Light 2026-01-29



SDO/HMI Quick-Look Continuum: 20260129_120000

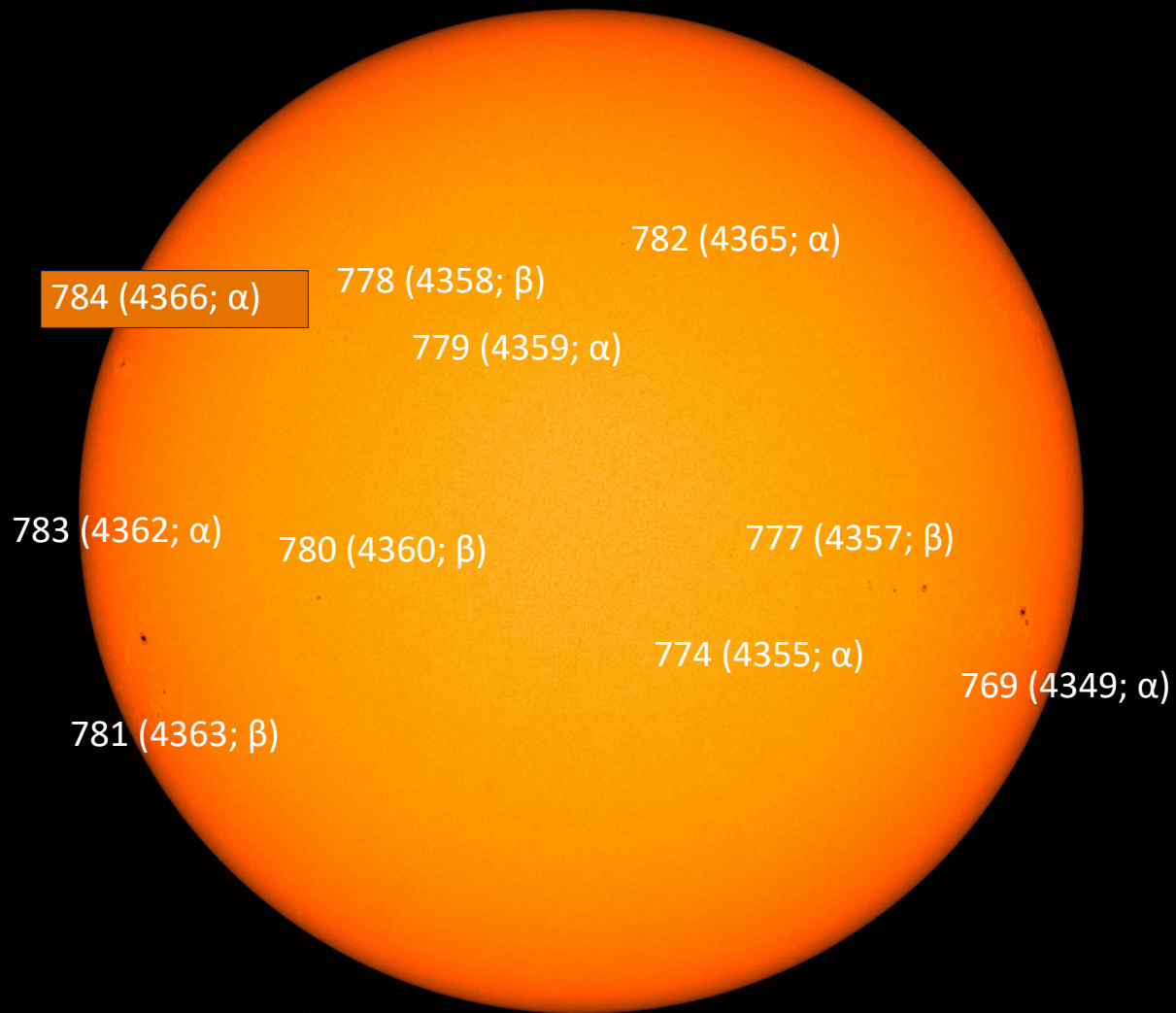
SDO/HMI Magnetogram 2026-01-29



SDO/HMI Quick-Look Magnetogram: 20260129_120000

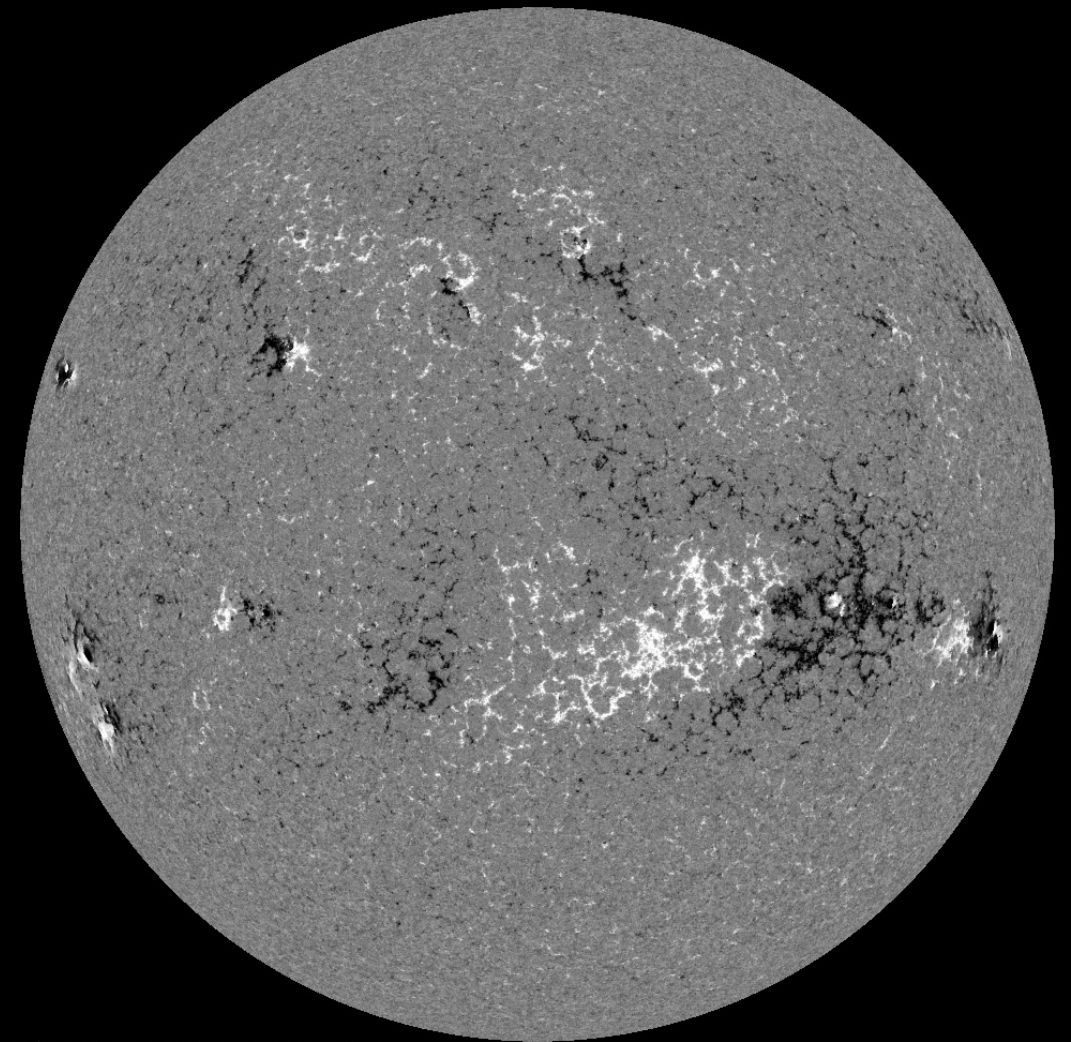
Solar active regions

SDO/HMI White Light 2026-01-30



SDO/HMI Quick-Look Continuum: 20260130_120000

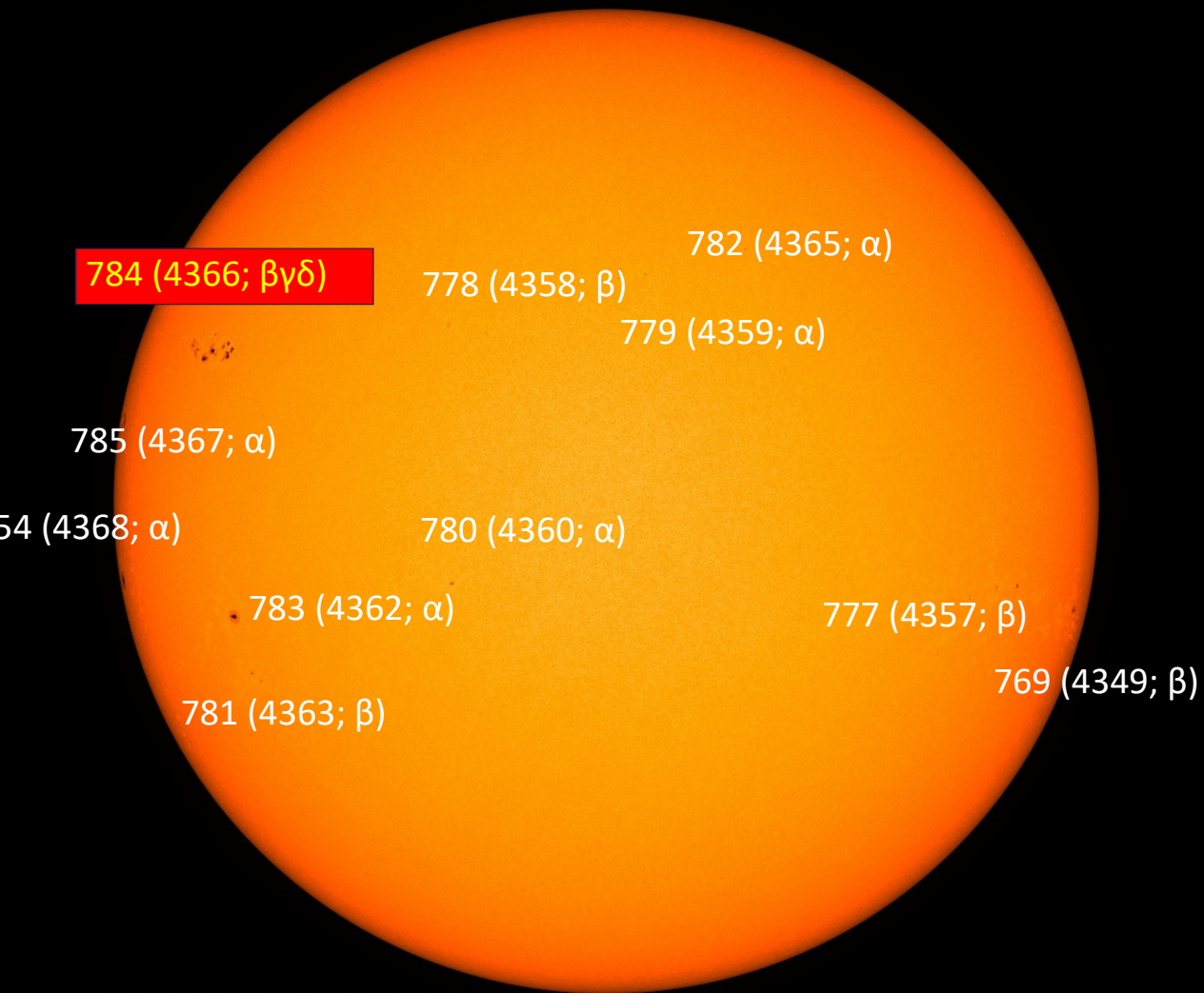
SDO/HMI Magnetogram 2026-01-30



SDO/HMI Quick-Look Magnetogram: 20260130_120000

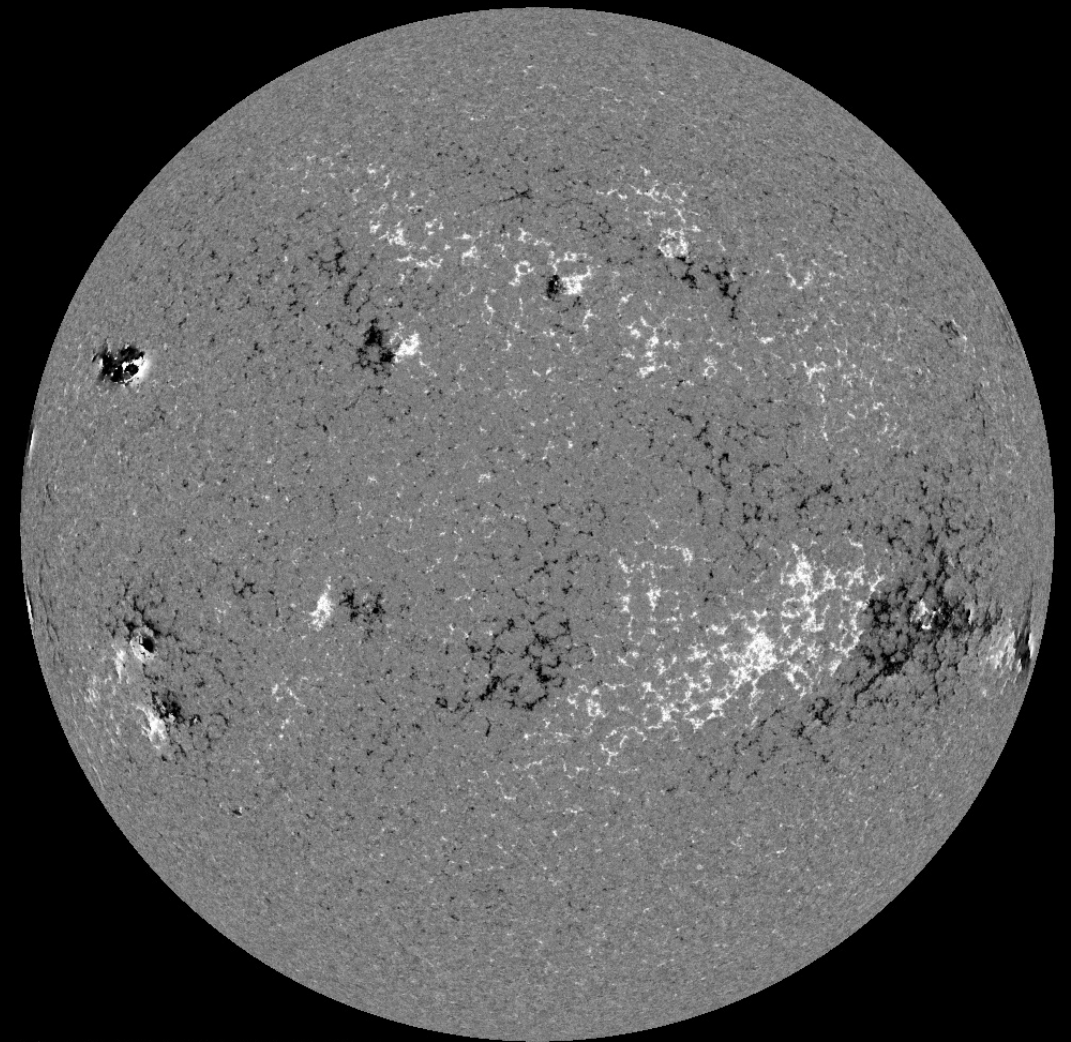
Solar active regions

SDO/HMI White Light 2026-01-31



SDO/HMI Quick-Look Continuum: 20260131_120000

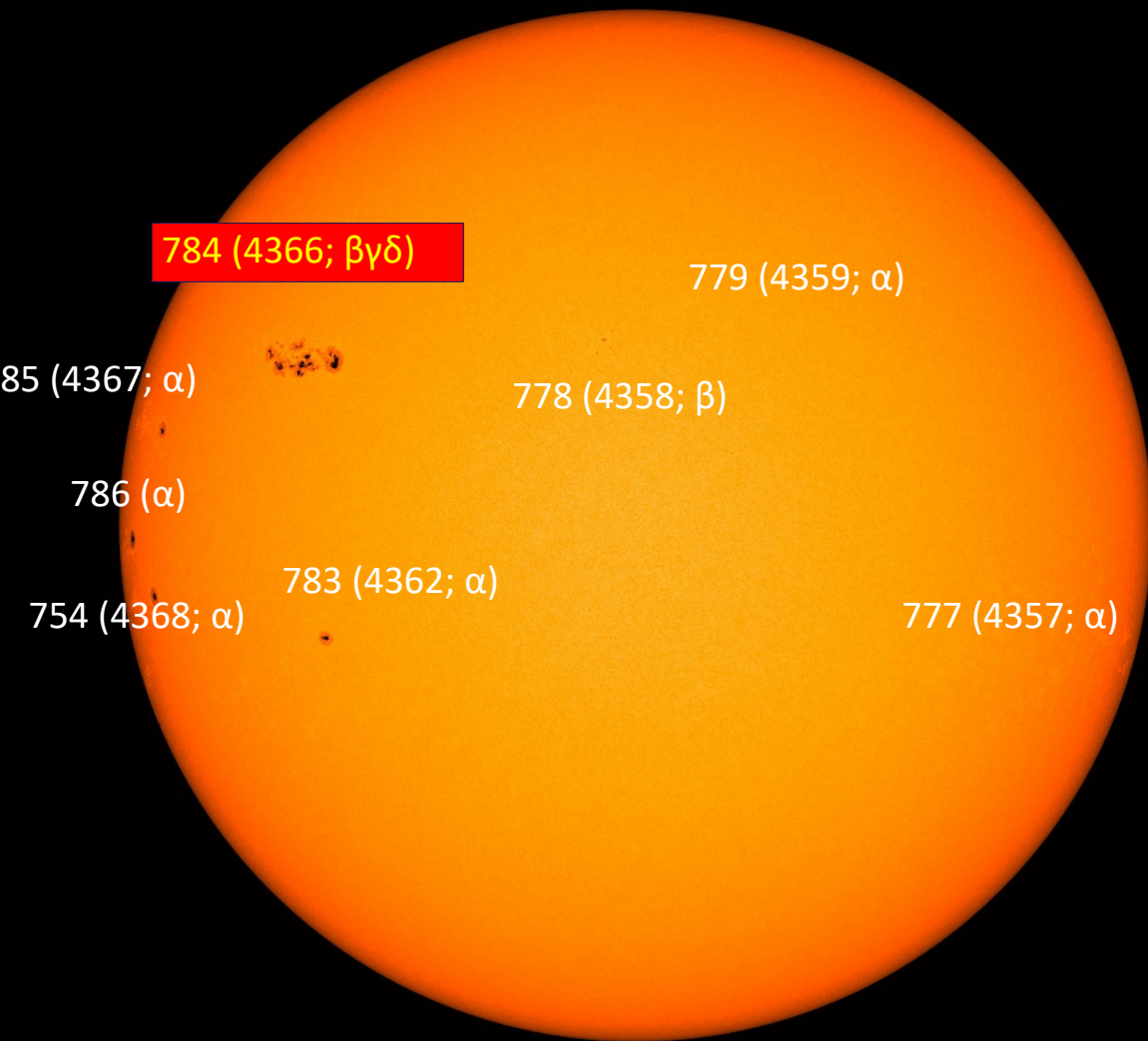
SDO/HMI Magnetogram 2026-01-31



SDO/HMI Quick-Look Magnetogram: 20260131_120000

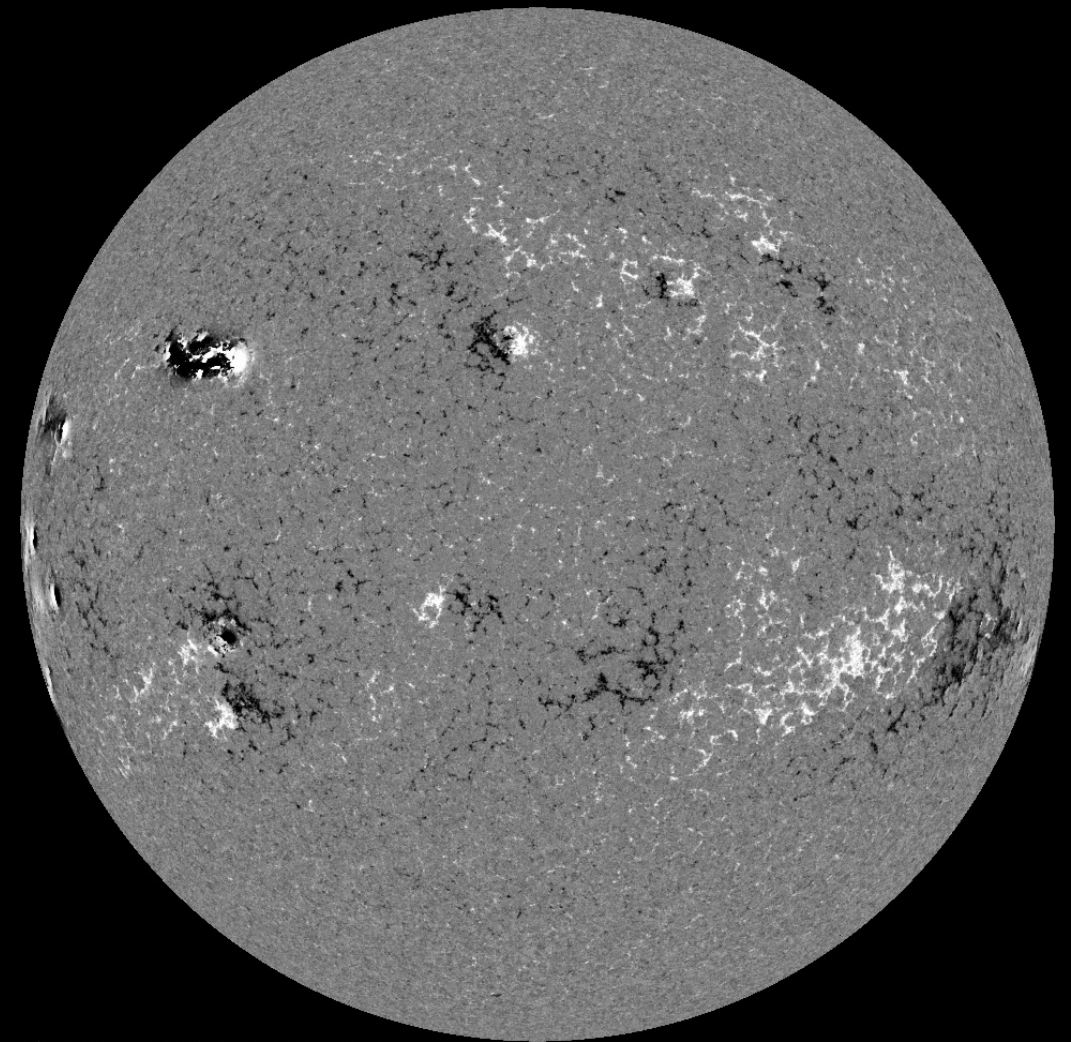
Solar active regions

SDO/HMI White Light 2026-02-01



SDO/HMI Quick-Look Continuum: 20260201_120000

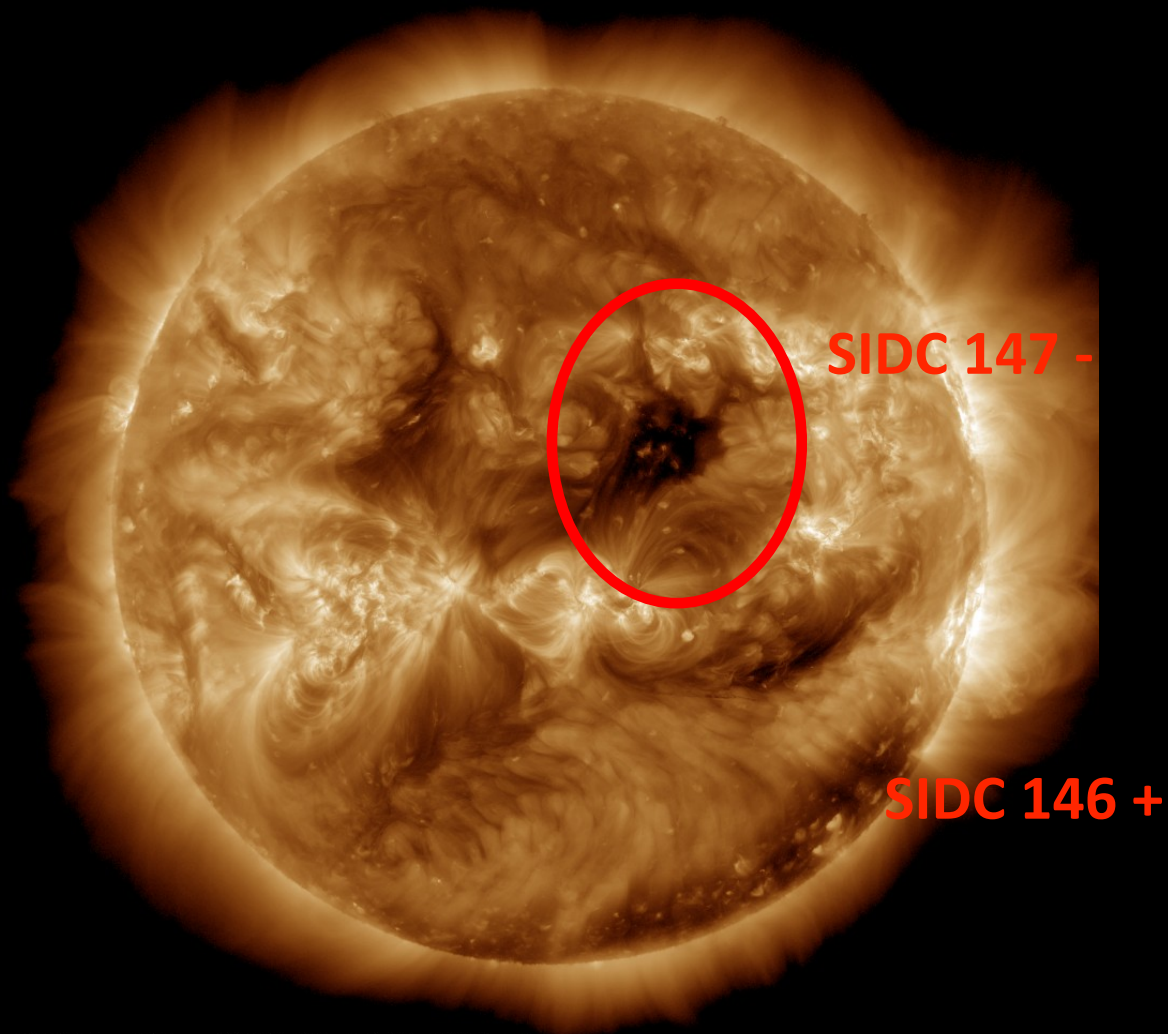
SDO/HMI Magnetogram 2026-02-01



SDO/HMI Quick-Look Magnetogram: 20260201_120000

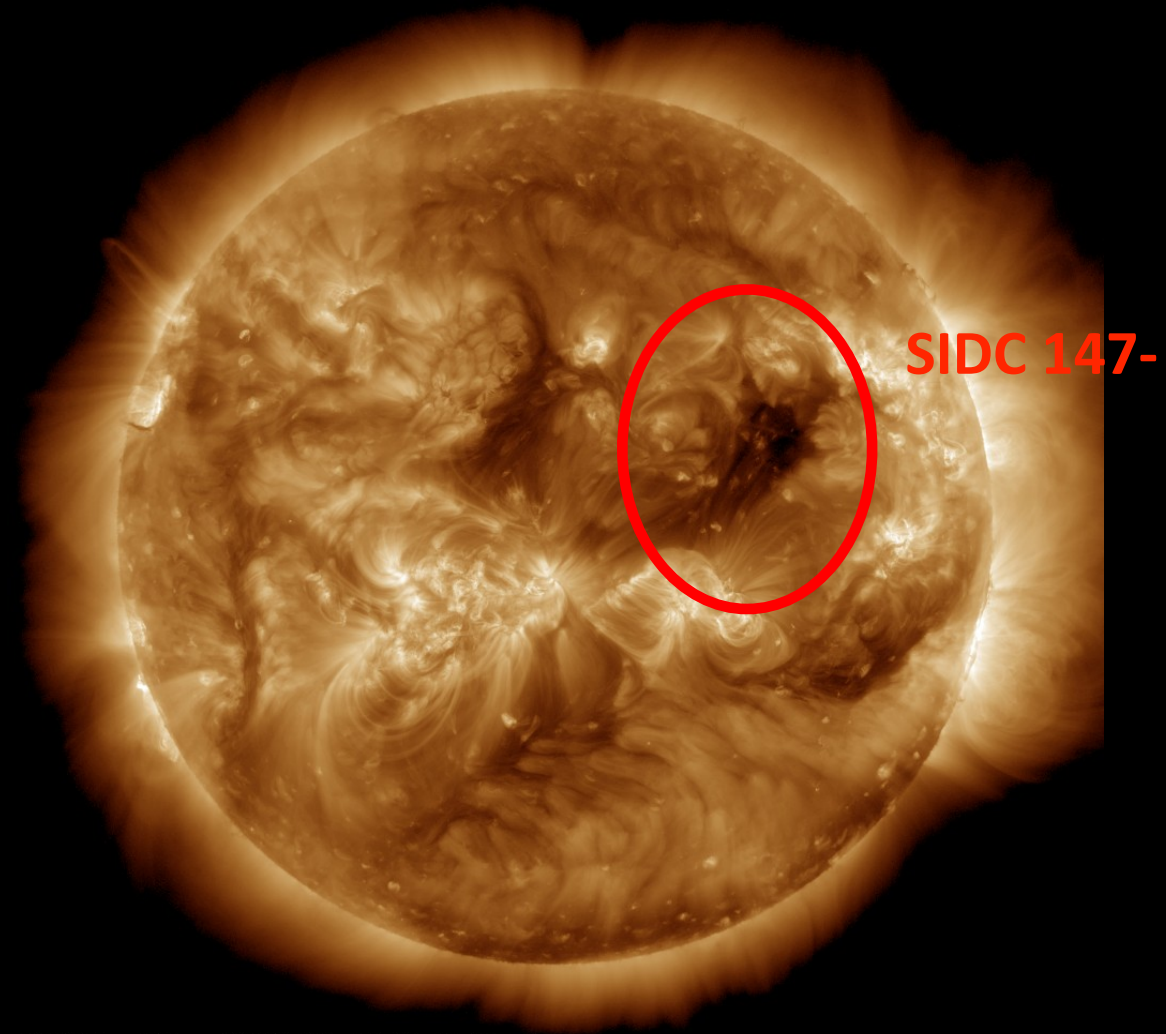
Coronal holes

SDO/AIA 19.3 nm 2026-01-26



SDO/AIA 193 2026-01-26 11:57:53 UT

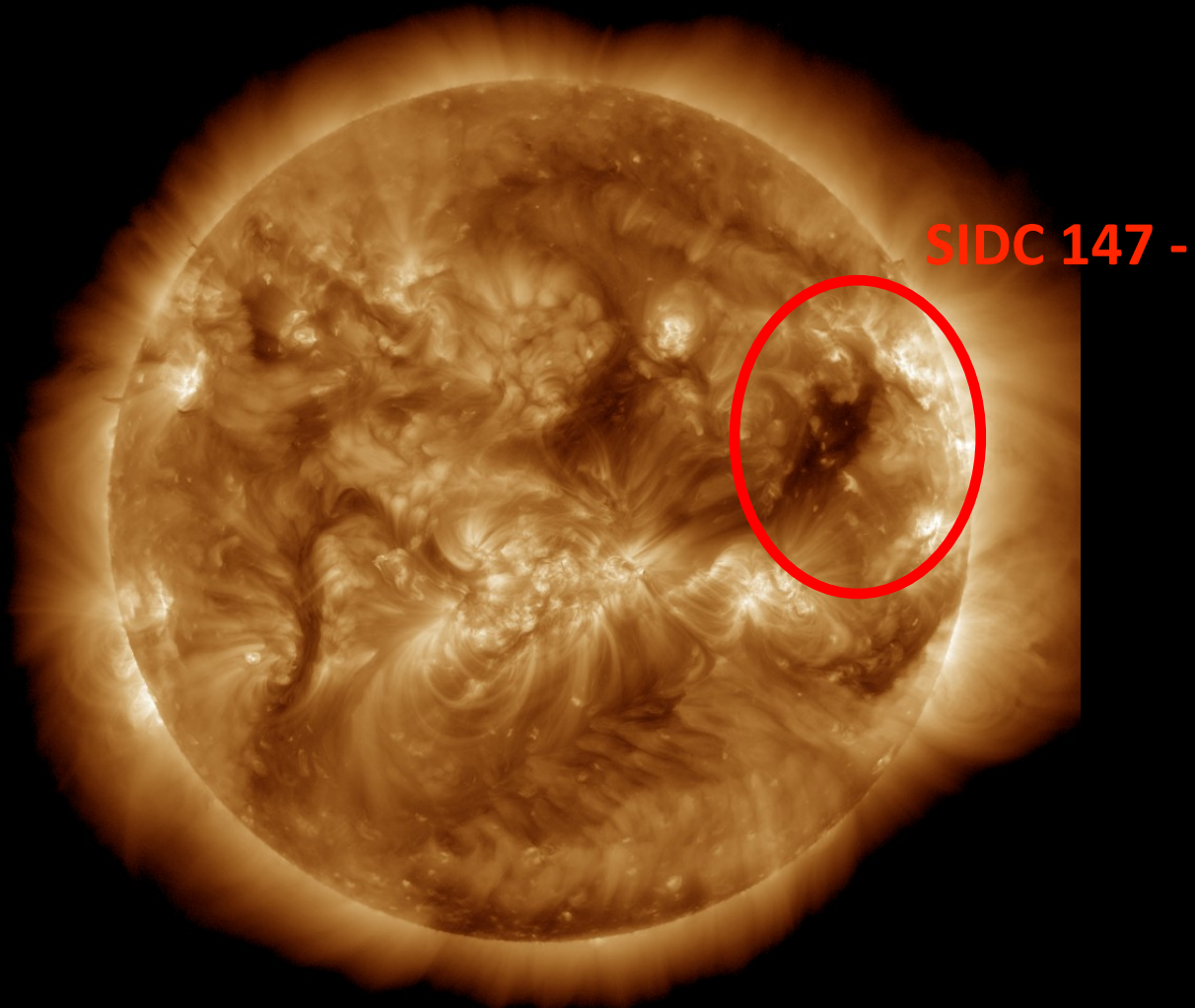
SDO/AIA 19.3 nm 2026-01-27



SDO/AIA 193 2026-01-27 11:58:17 UT

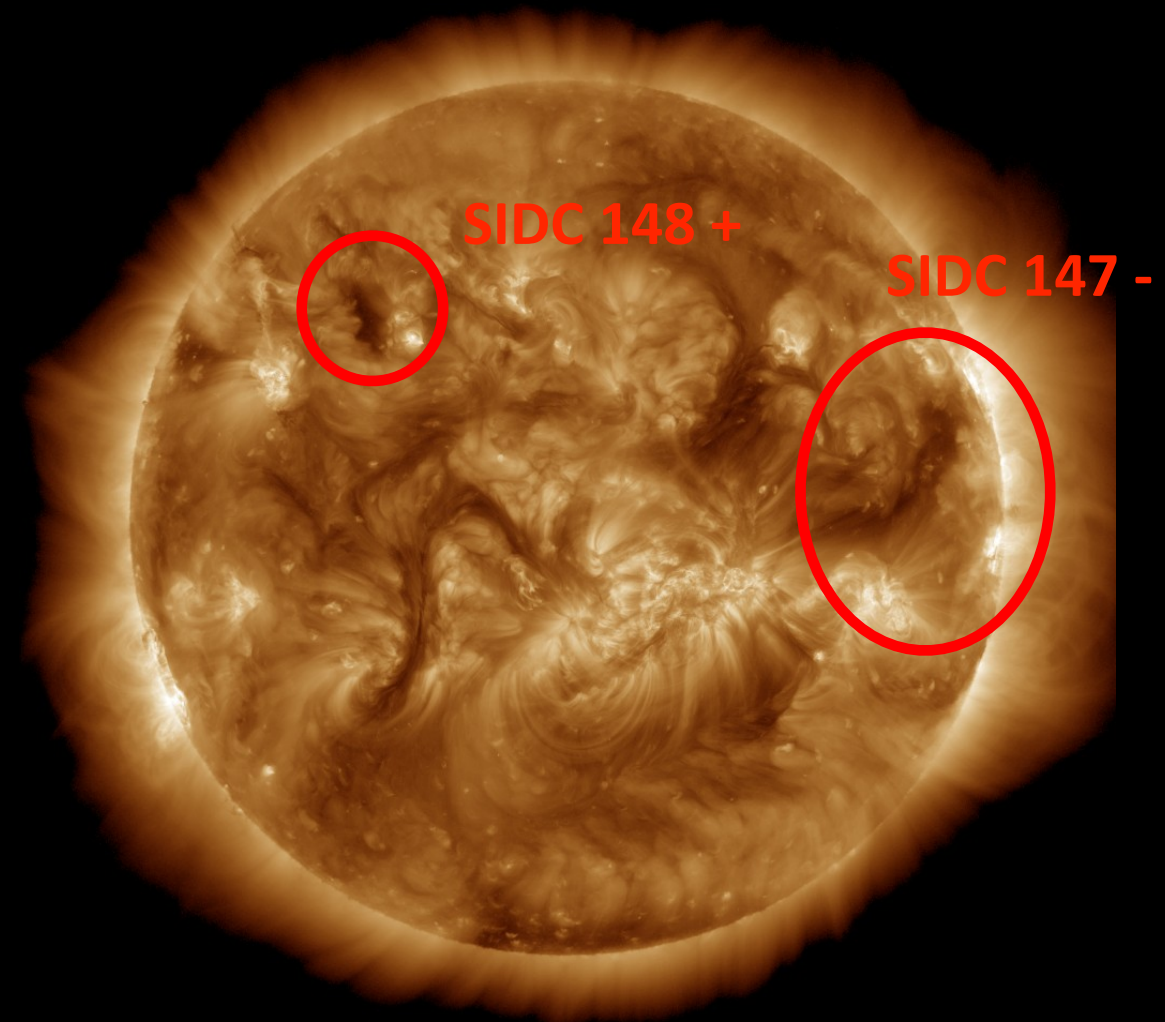
Coronal holes

SDO/AIA 19.3 nm 2026-01-28



SDO/AIA 193 2026-01-28 11:57:17 UT

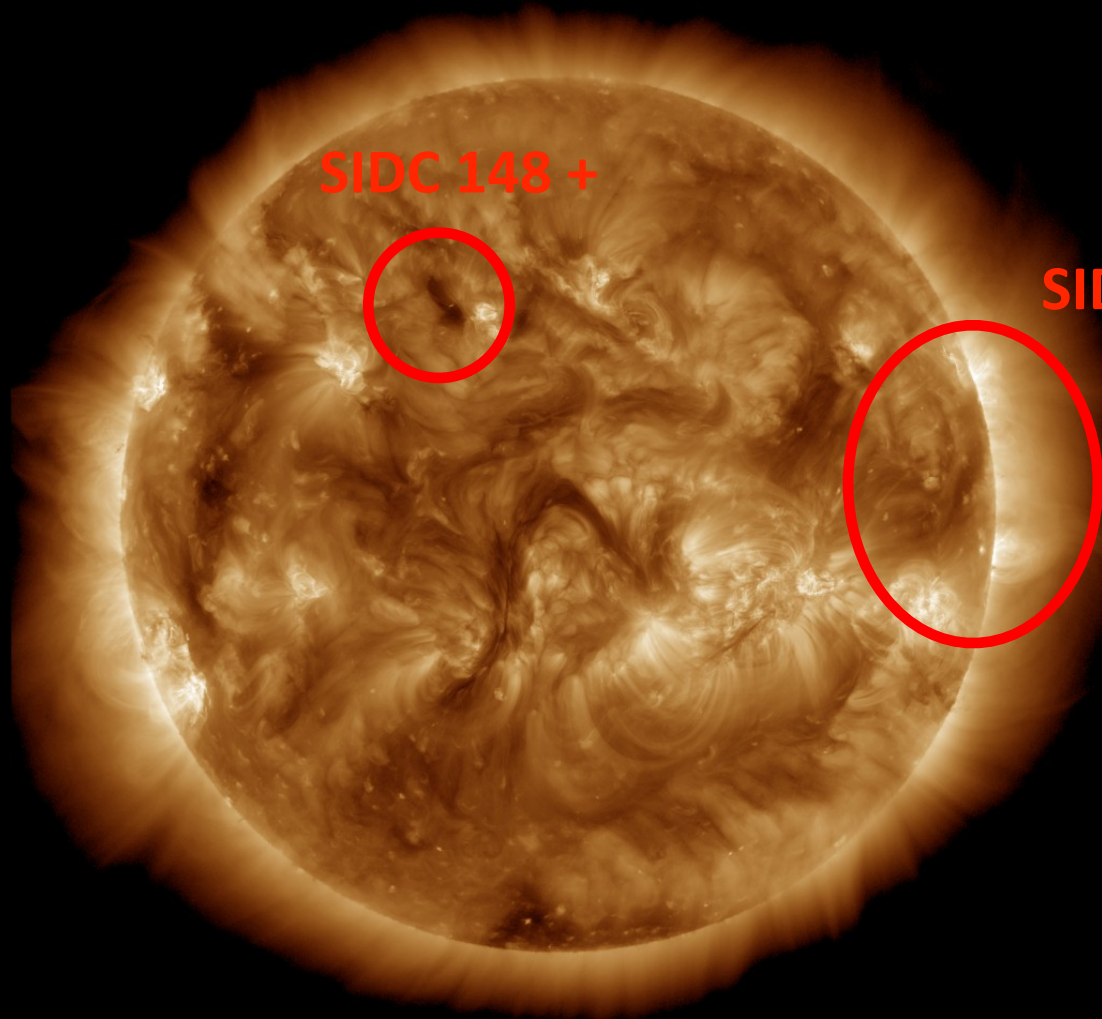
SDO/AIA 19.3 nm 2026-01-29



SDO/AIA 193 2026-01-29 11:57:41 UT

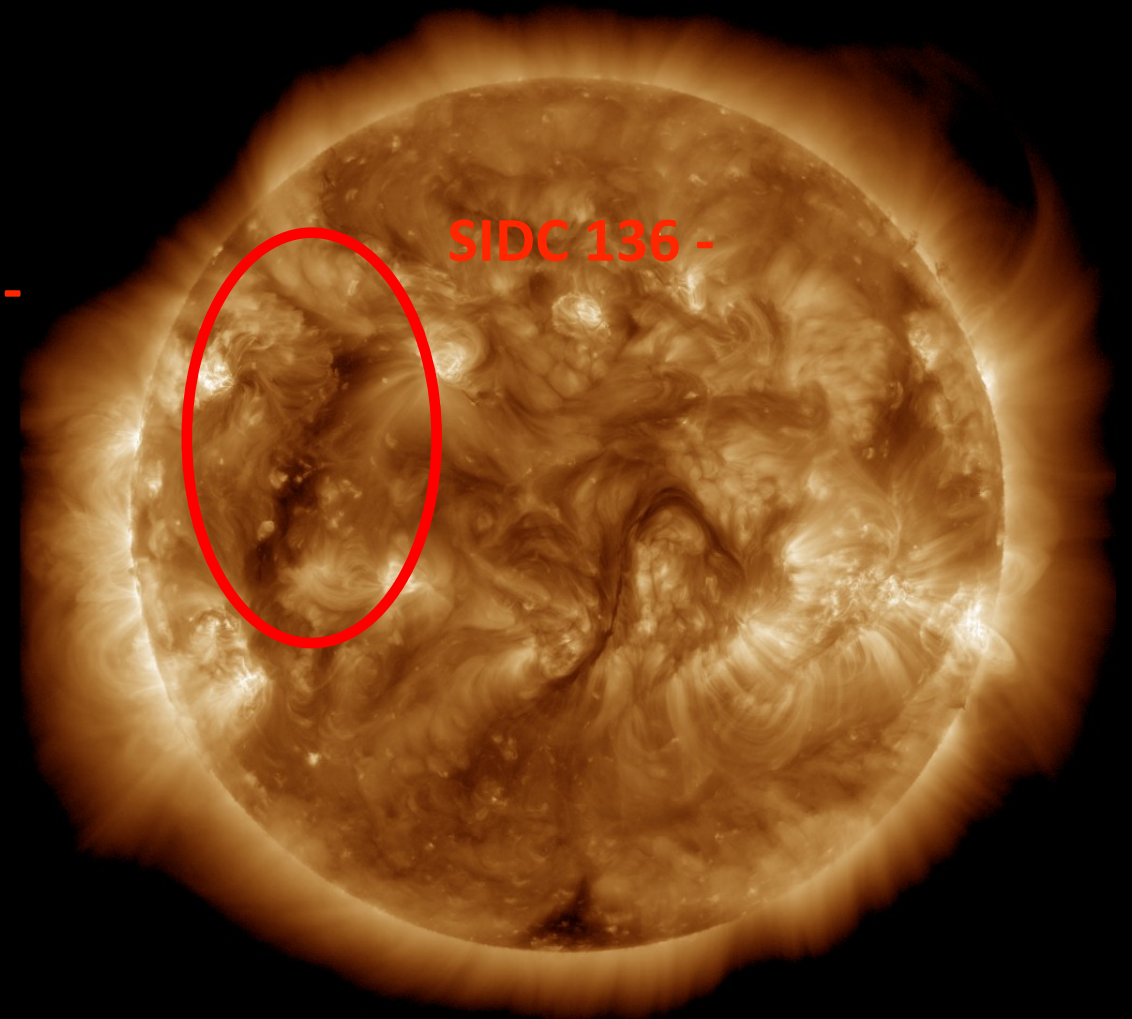
Coronal holes

SDO/AIA 19.3 nm 2026-01-30



SDO/AIA 193 2026-01-30 11:58:05 UT

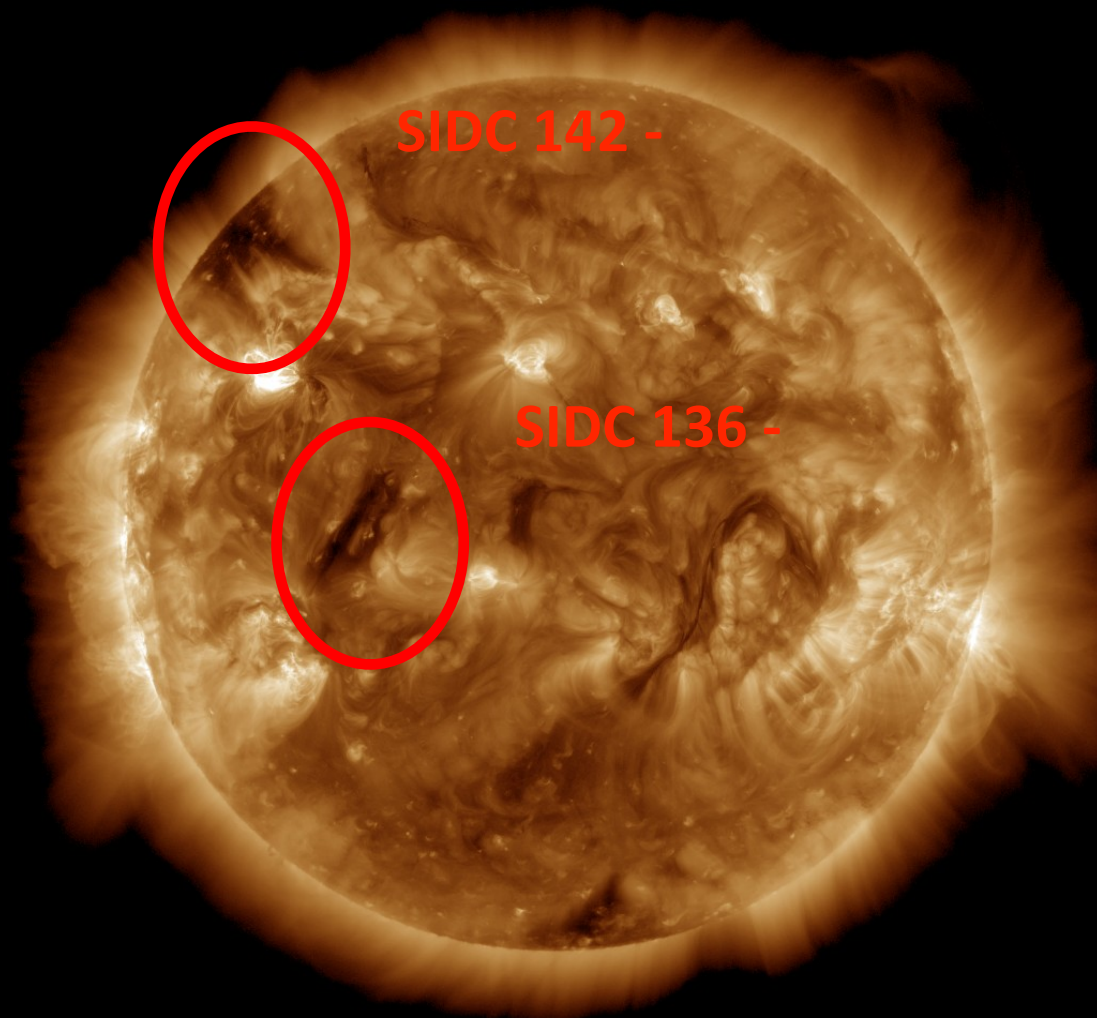
SDO/AIA 19.3 nm 2026-01-31



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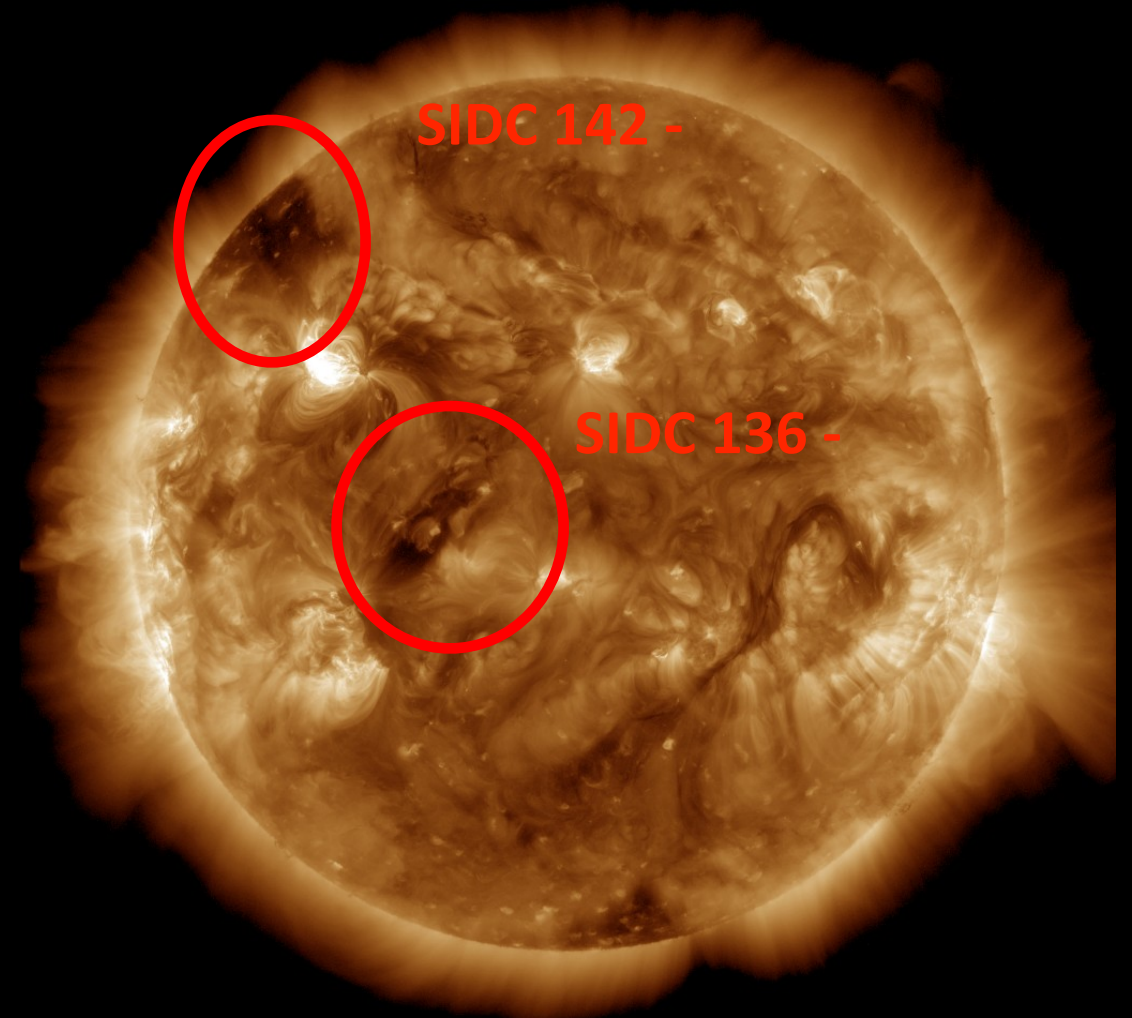
Coronal holes

SDO/AIA 19.3 nm 2026-02-01



SDO/AIA 193 2026-02-01 11:57:53 UT

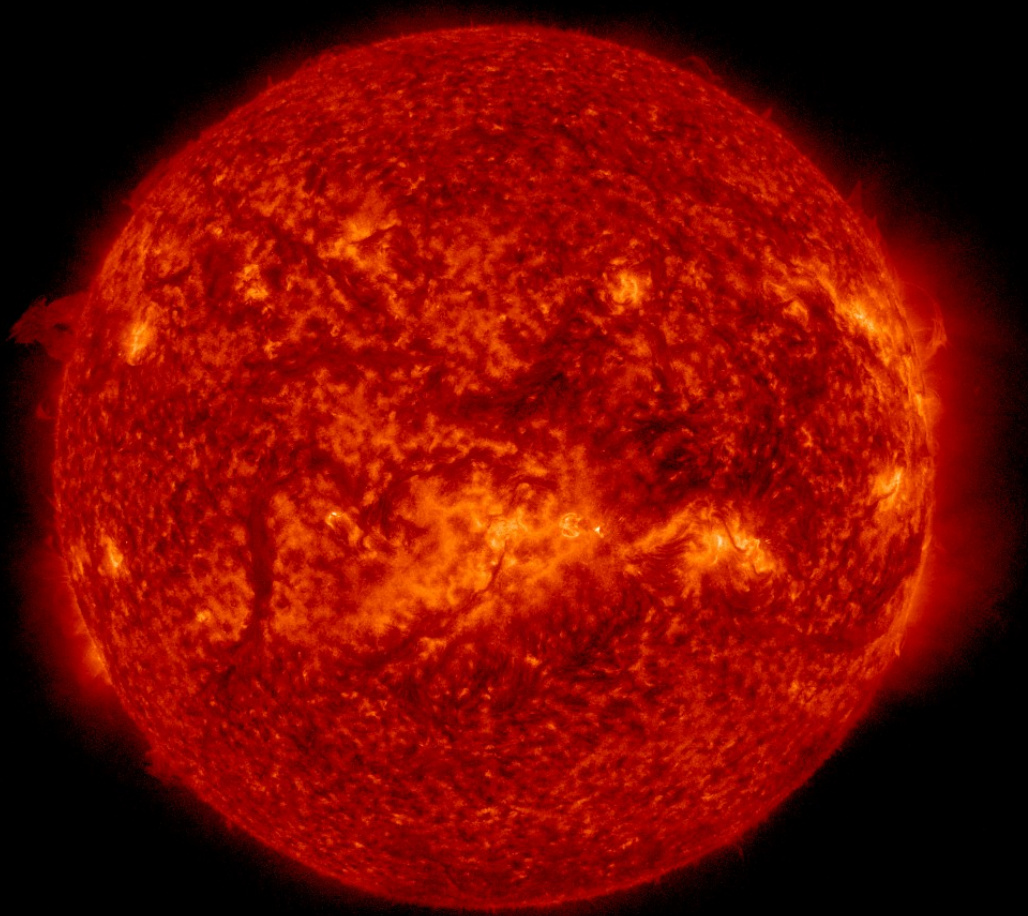
SDO/AIA 19.3 nm 2026-02-02



SDO/AIA 193 2026-02-02 02:07:53 UT

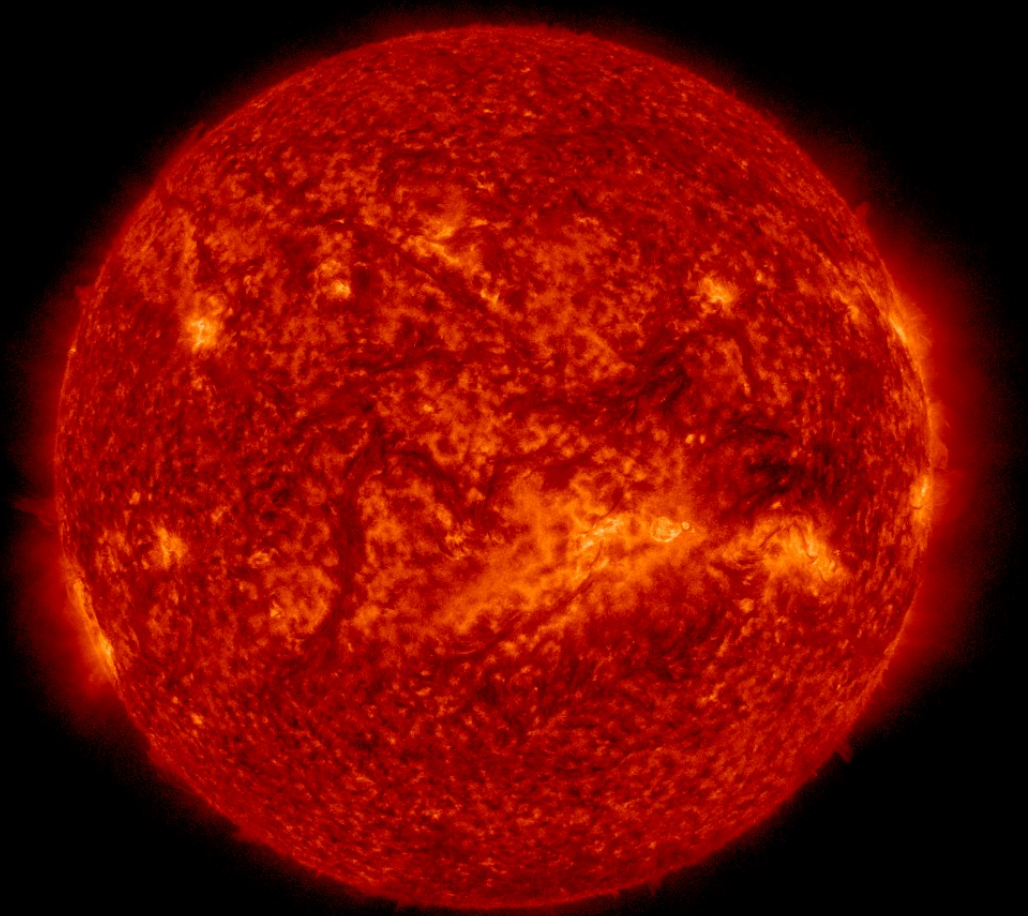
Filaments

SDO/AIA 30.4 nm 2026-01-28



SDO/AIA 304 2026-01-28 11:58:54 UT

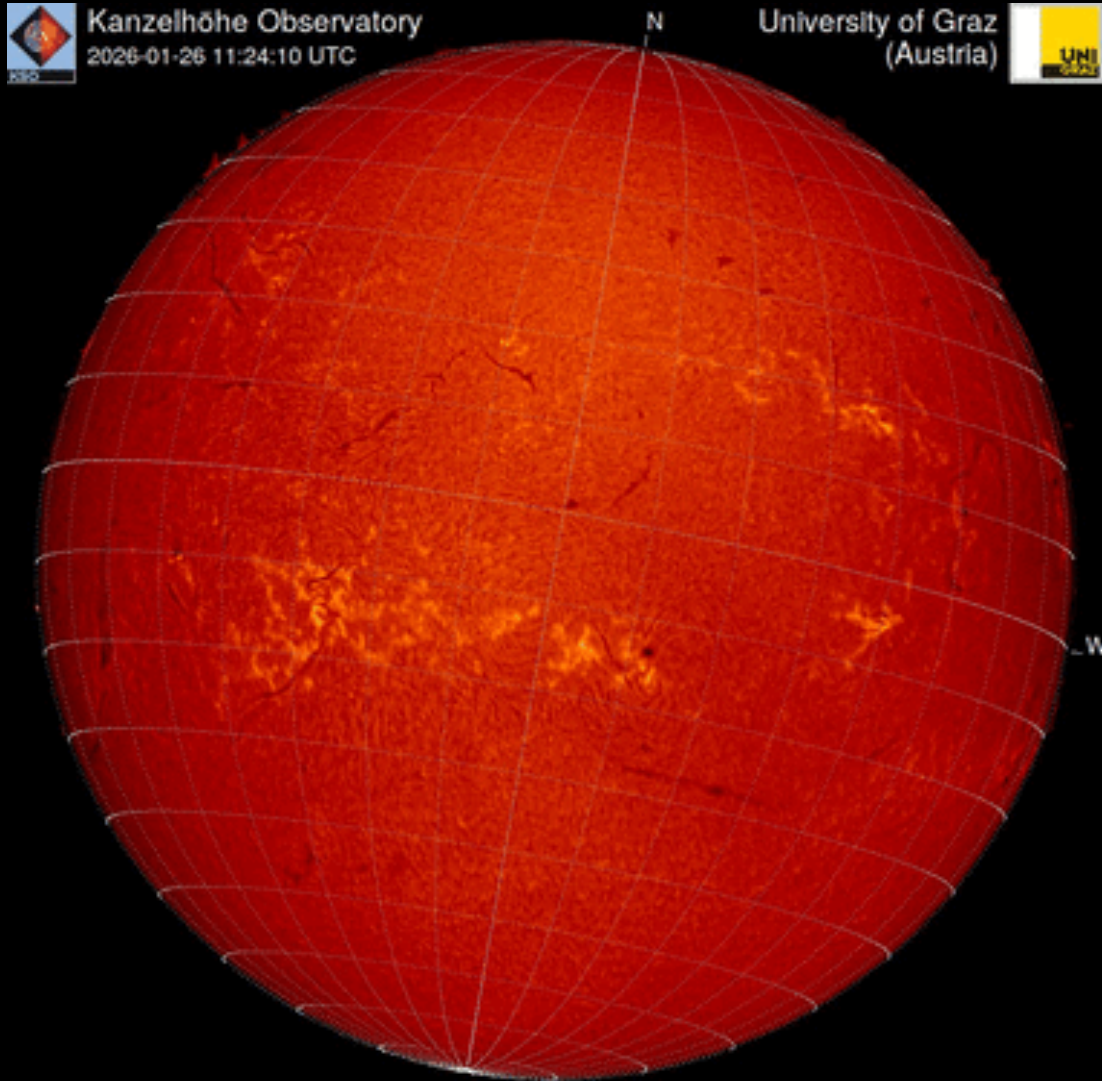
SDO/AIA 30.4 nm 2026-01-29



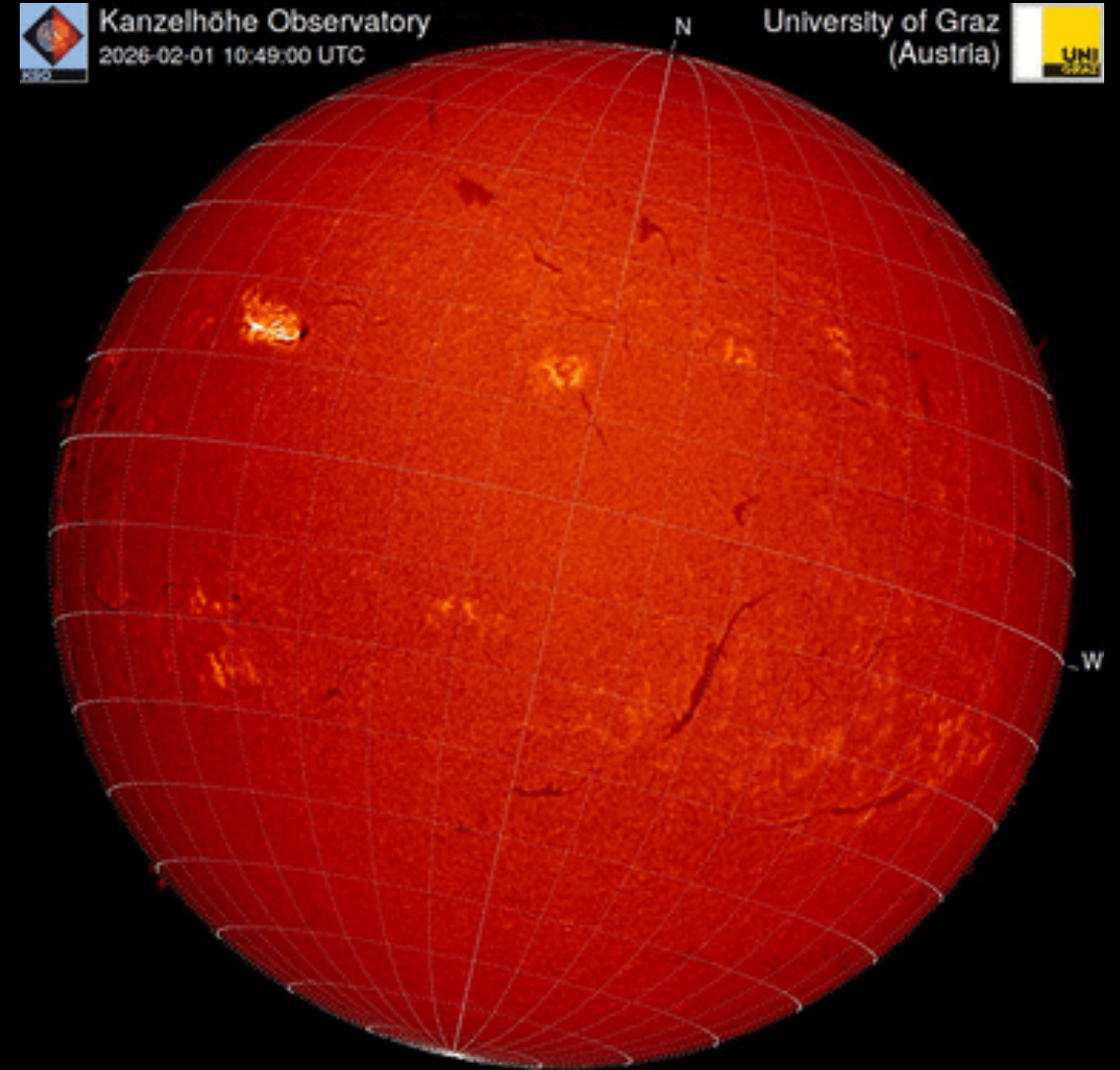
SDO/AIA 304 2026-01-29 11:59:06 UT

Filaments & Filament eruptions

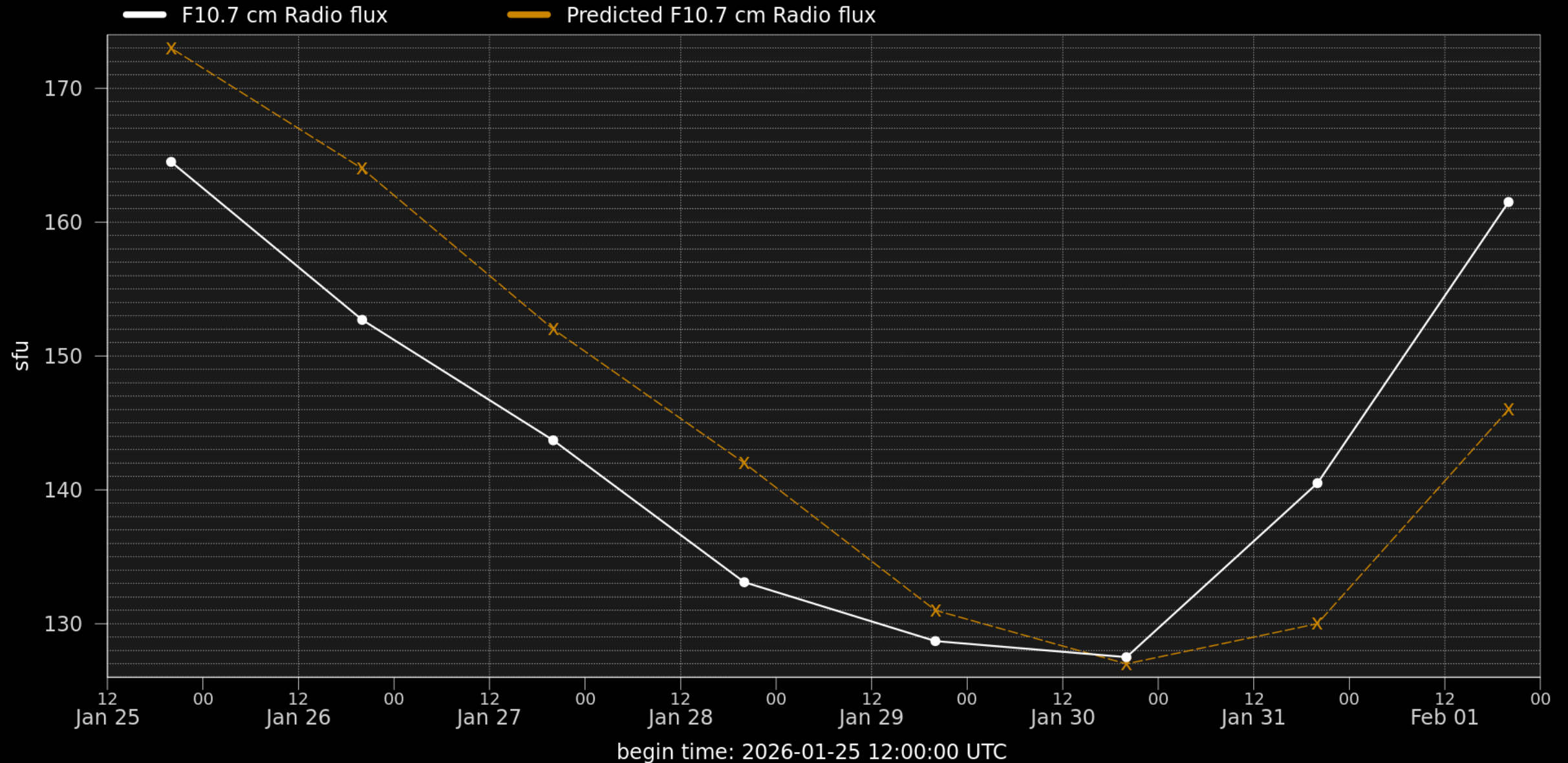
H-alpha 2026-01-26



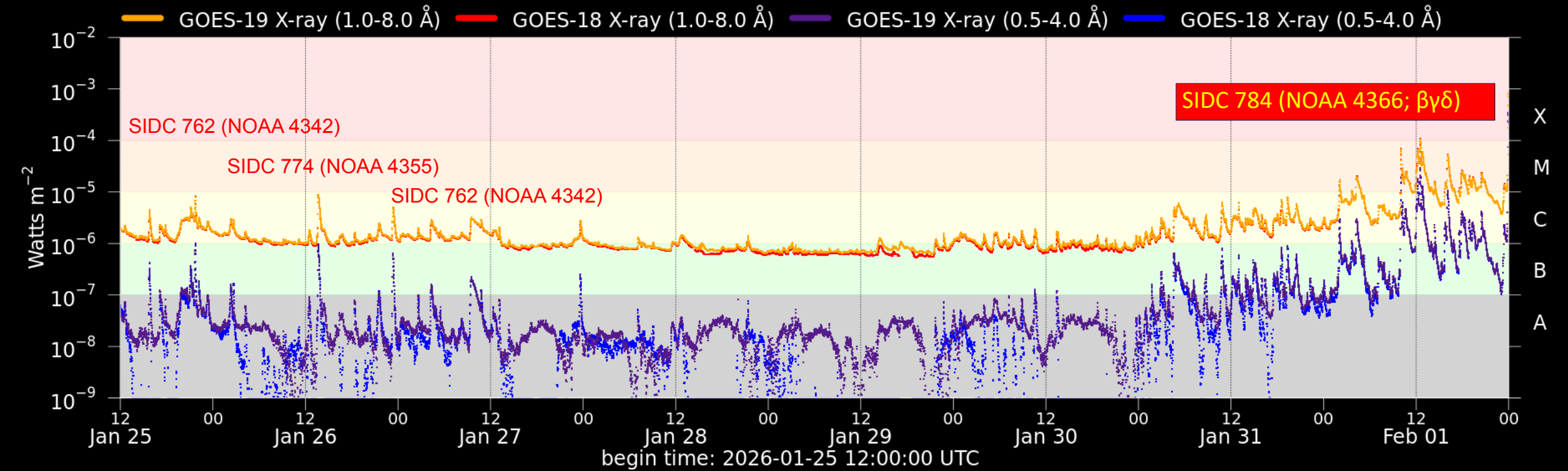
H-alpha 2026-02-01



Solar F10.7cm radio flux



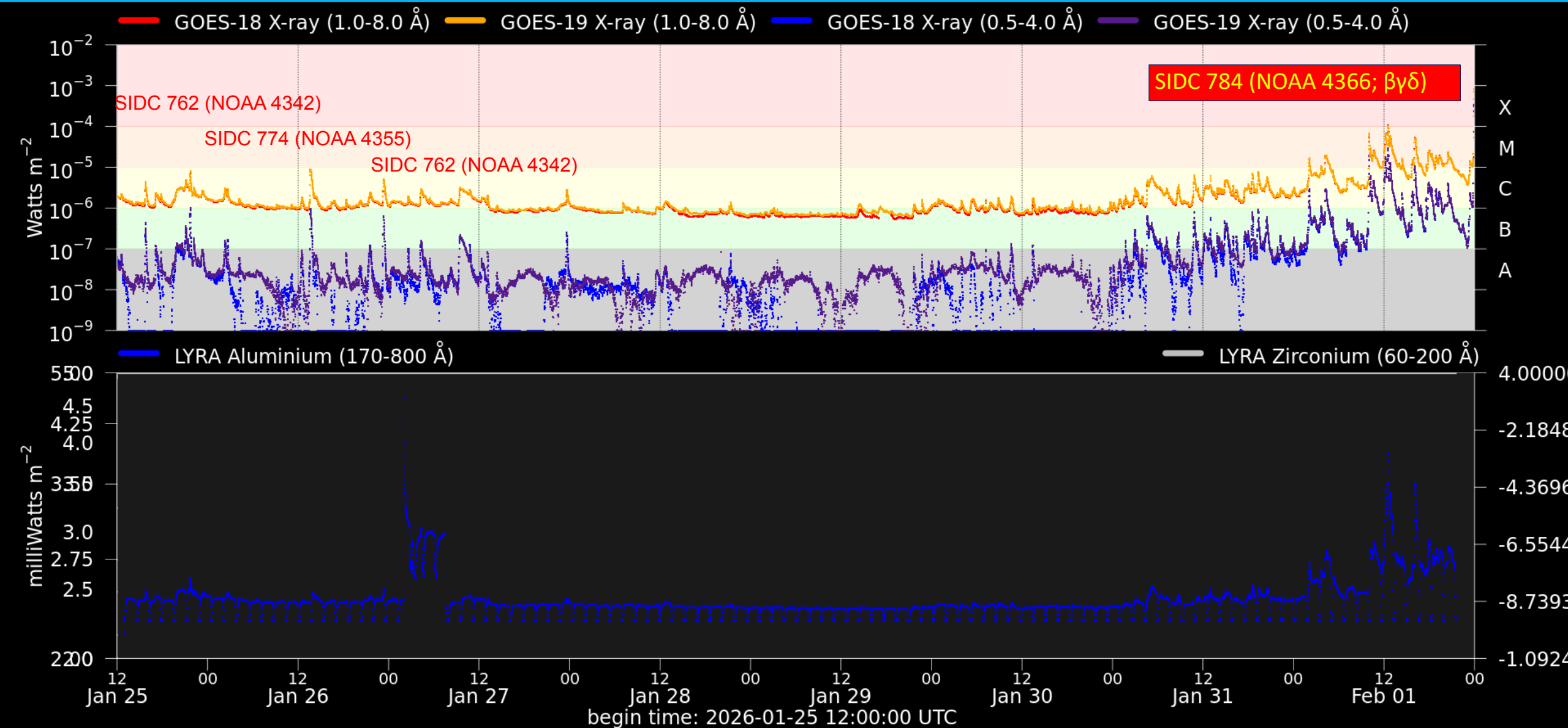
Flaring activity



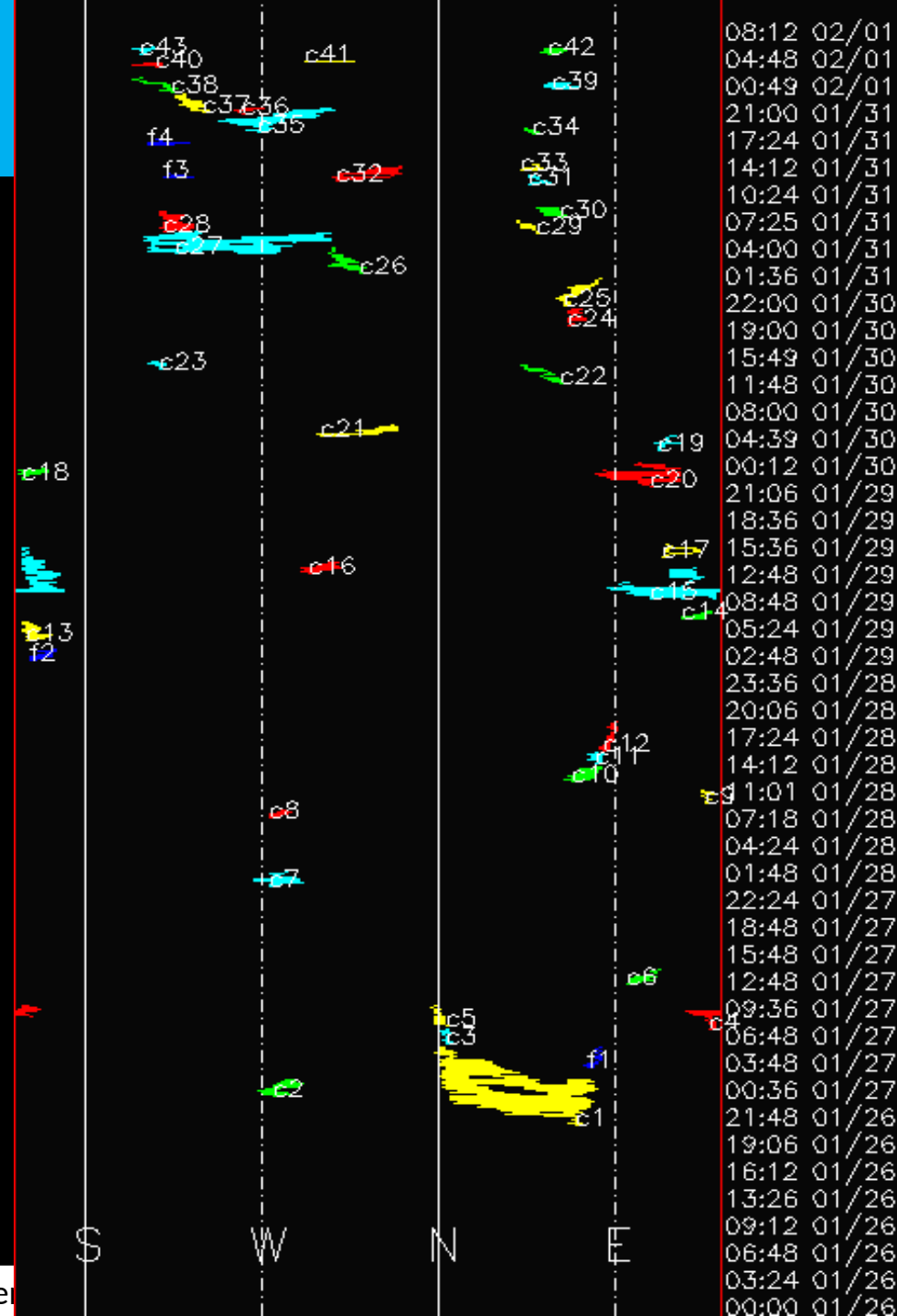
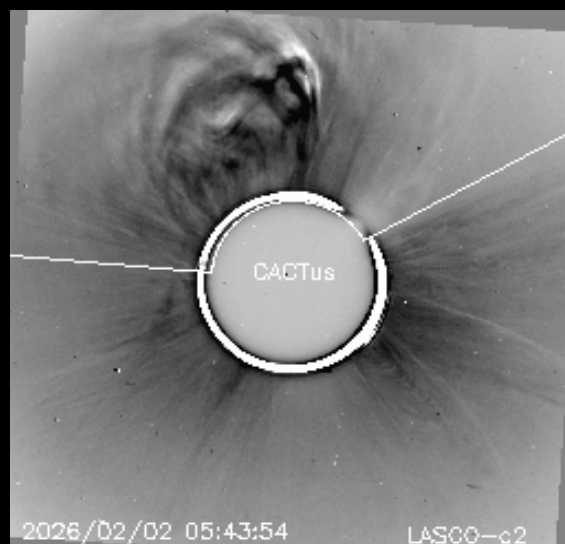
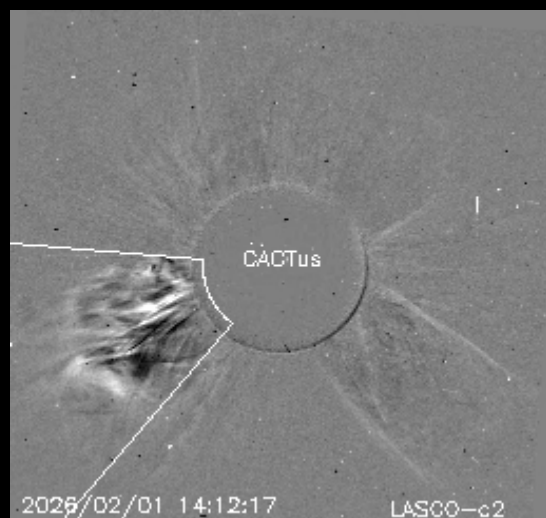
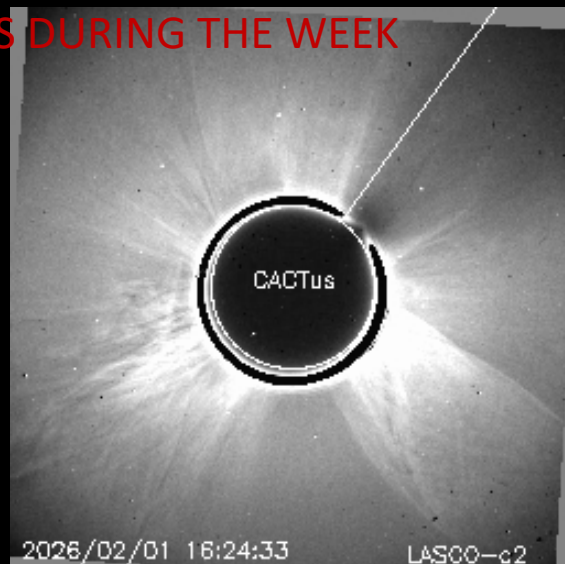
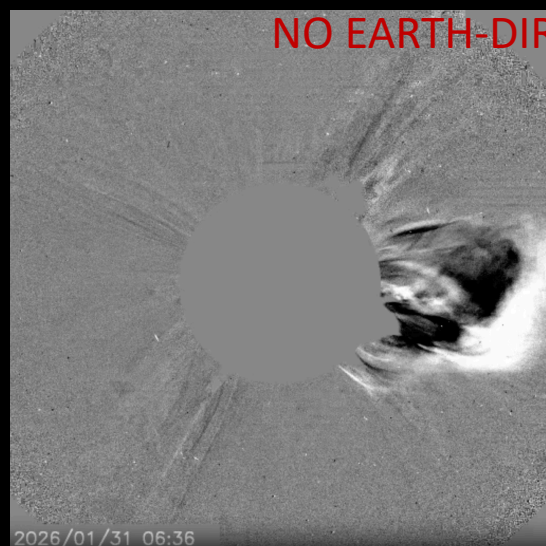
Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

Issue date	2026-01-25	2026-01-26	2026-01-27	2026-01-28	2026-01-29	2026-01-30	2026-01-31	2026-02-01
Probability (%)	99 40 18	96 40 05	92 30 01	81 16 01	82 19 01	95 40 01	97 46 05	99 84 18
Observed (#)	06 00 00	05 00 00	03 00 00	01 00 00	05 00 00	09 00 00	10 04 00	00 08 03

Solar X-Ray and UV flux



Coronal Mass Ejections



Solar Wind and

Geomagnetic Activity



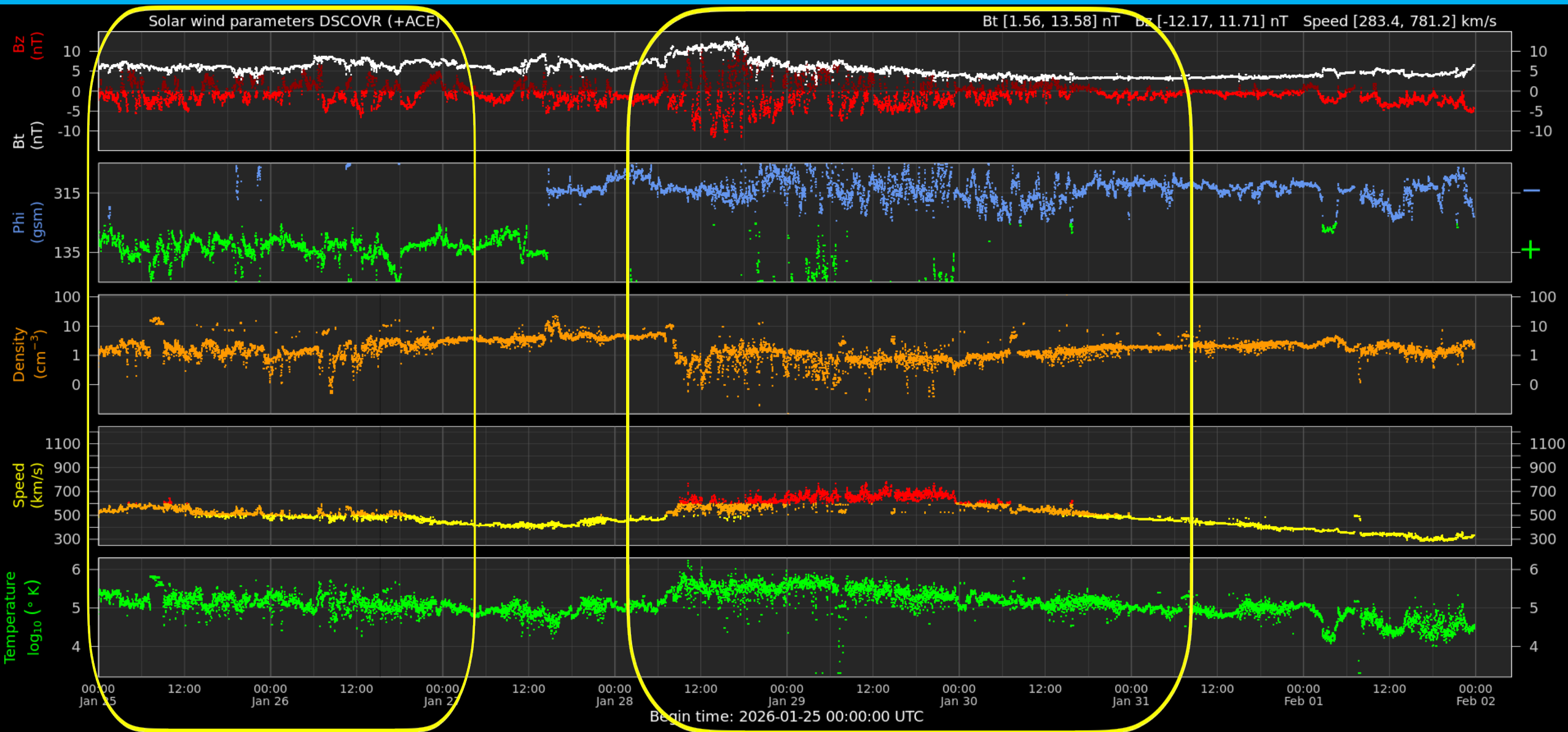
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Solar wind parameters

HSS SIDC 146 +

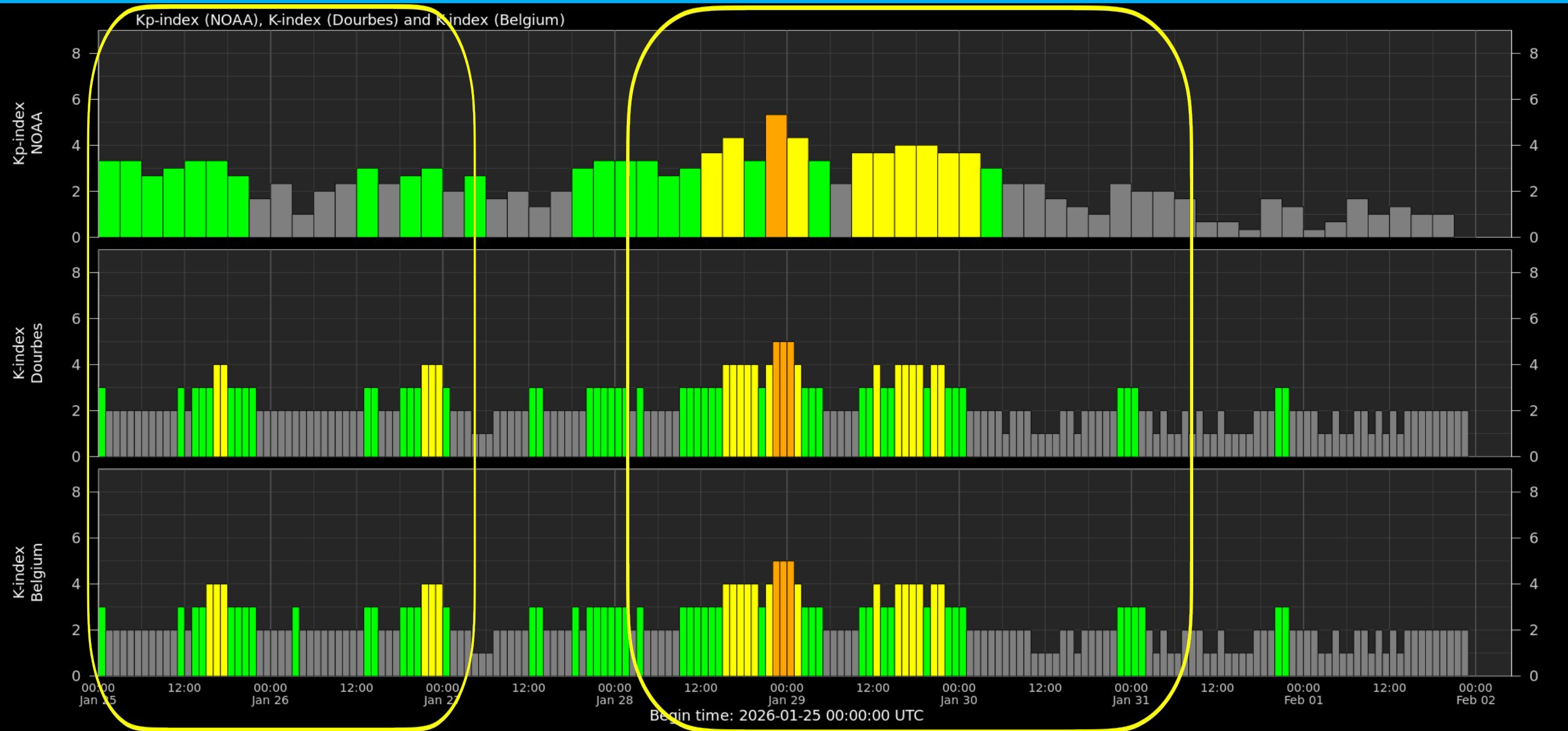
HSS SIDC 147 -



Geomagnetic activity (K-indexes)

HSS SIDC 146 +

HSS SIDC 147 -



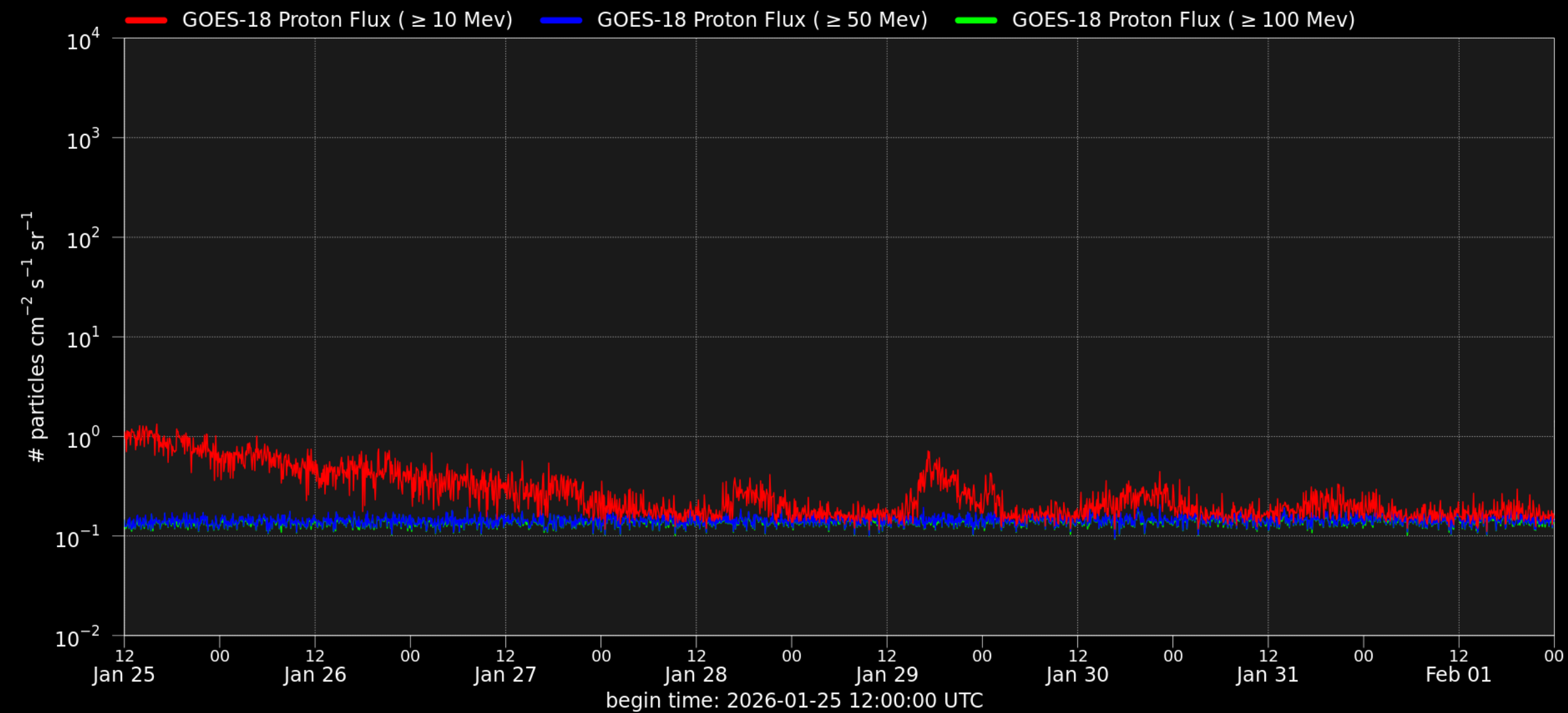
Energetic Particles



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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



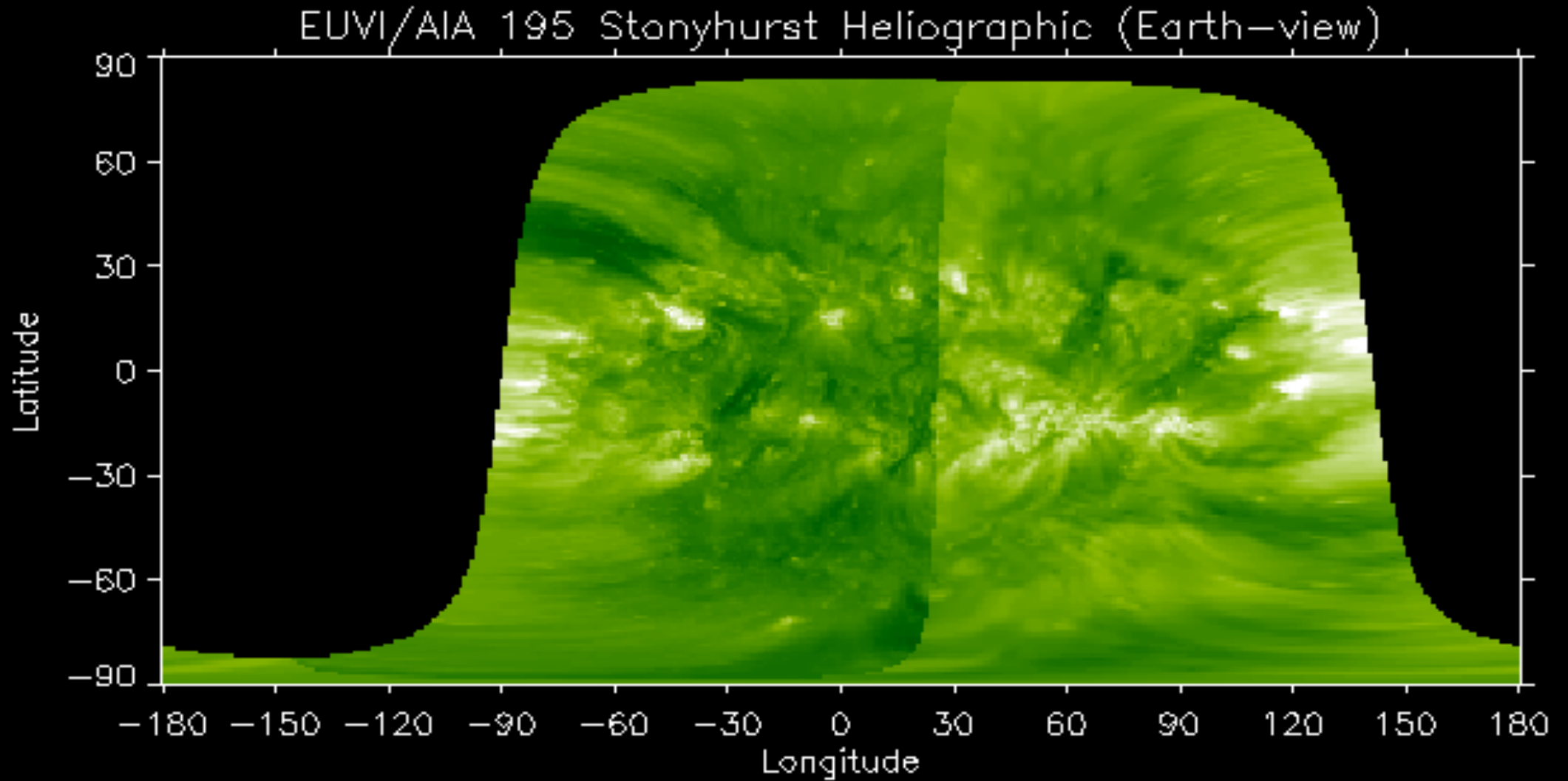
Outlook



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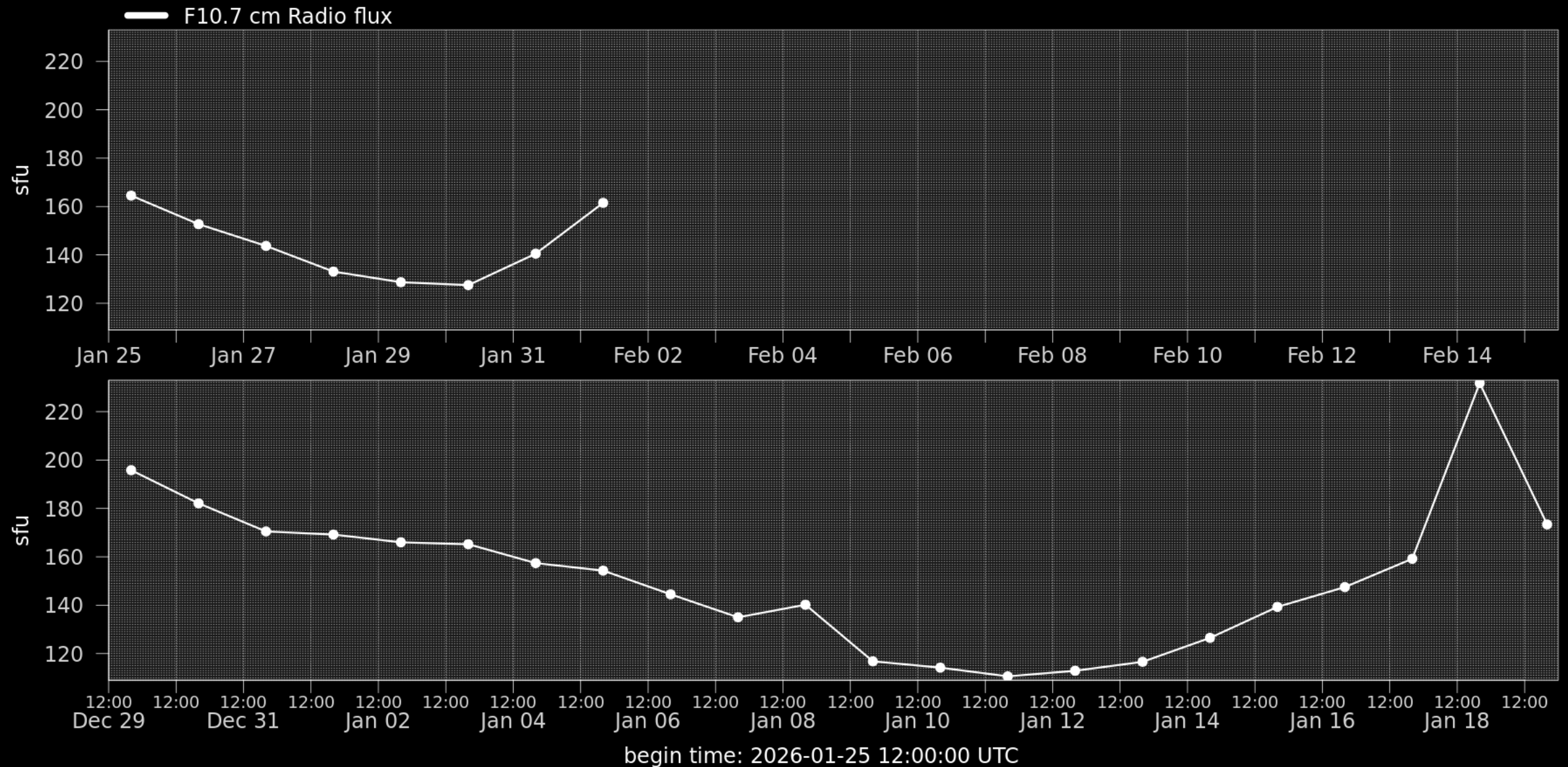
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Outlook: Solar activity



Observation date: 2026/02/01 14:55:00

Outlook: Solar F10.7cm radio flux



Outlook: Solar wind and geomagnetic activity



PECASUS



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Pecarus related events

GNSS, SWF

SIDC Space Weather Briefing

See you at our next briefing!

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