

SIDC Space Weather Briefing

03 February 2019 - 10 February 2019

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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 2019-02-03 12:00 UT to 2019-02-10 12:00 UT

Active regions	None
Flaring	# B-class flare: 0 # C-class flare: 0 # M-class flare: 0 # X-class flare: 0
Filaments	No filament eruption
CMEs	No Earth directed CMEs
Proton Events	No

Solar wind and geomagnetic conditions from 2019-02-03 12:00 UT to 2019-02-10 12:00 UT

Coronal Holes	CH without geo impact
ICME	None
SW Conditions	Max Speed = 550 km/s
K-indices	max K-index (Dourbes): 2.0 max Kp-index (NOAA): 4

All Quiet Alert:

from	to	ALL QUIET
2019-02-06T12:50:28Z	present	 No
2019-02-05T12:27:57Z	2019-02-06T12:50:28Z	 Yes
2019-01-21T20:09:15Z	2019-02-05T12:27:57Z	 No

Solar Activity

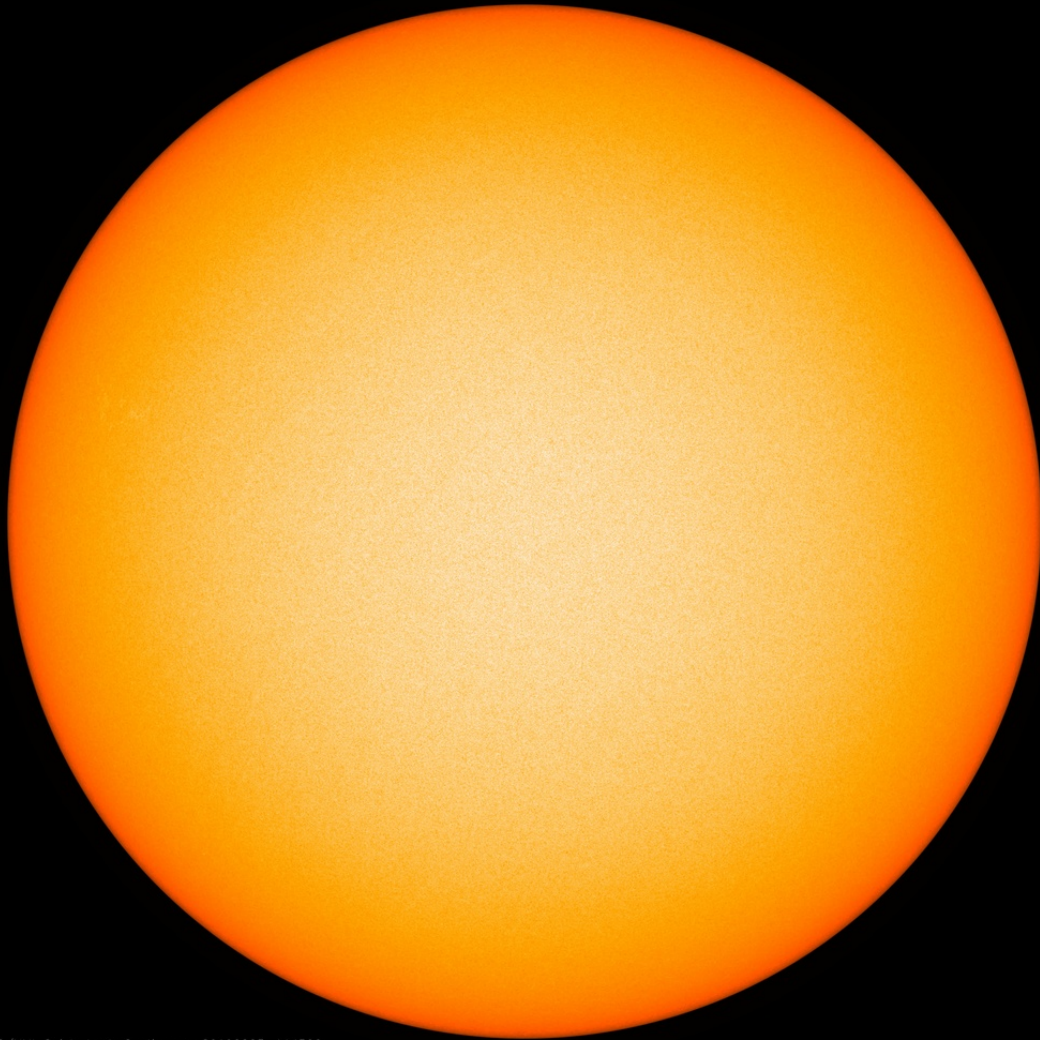


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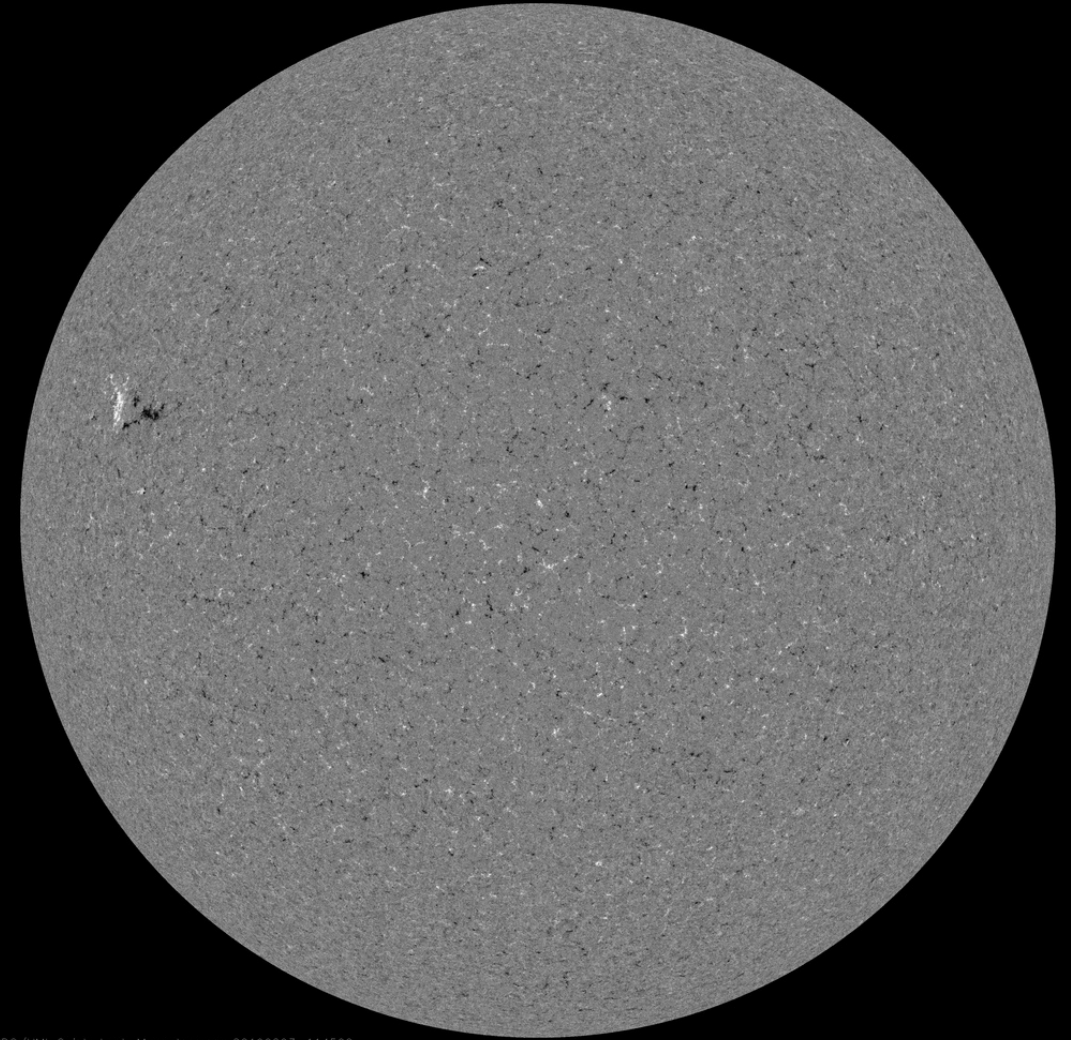
Solar active region - start of the week

SDO/HMI White Light 2019-02-03



SDO/HMI Quick-Look Continuum: 20190203_114500

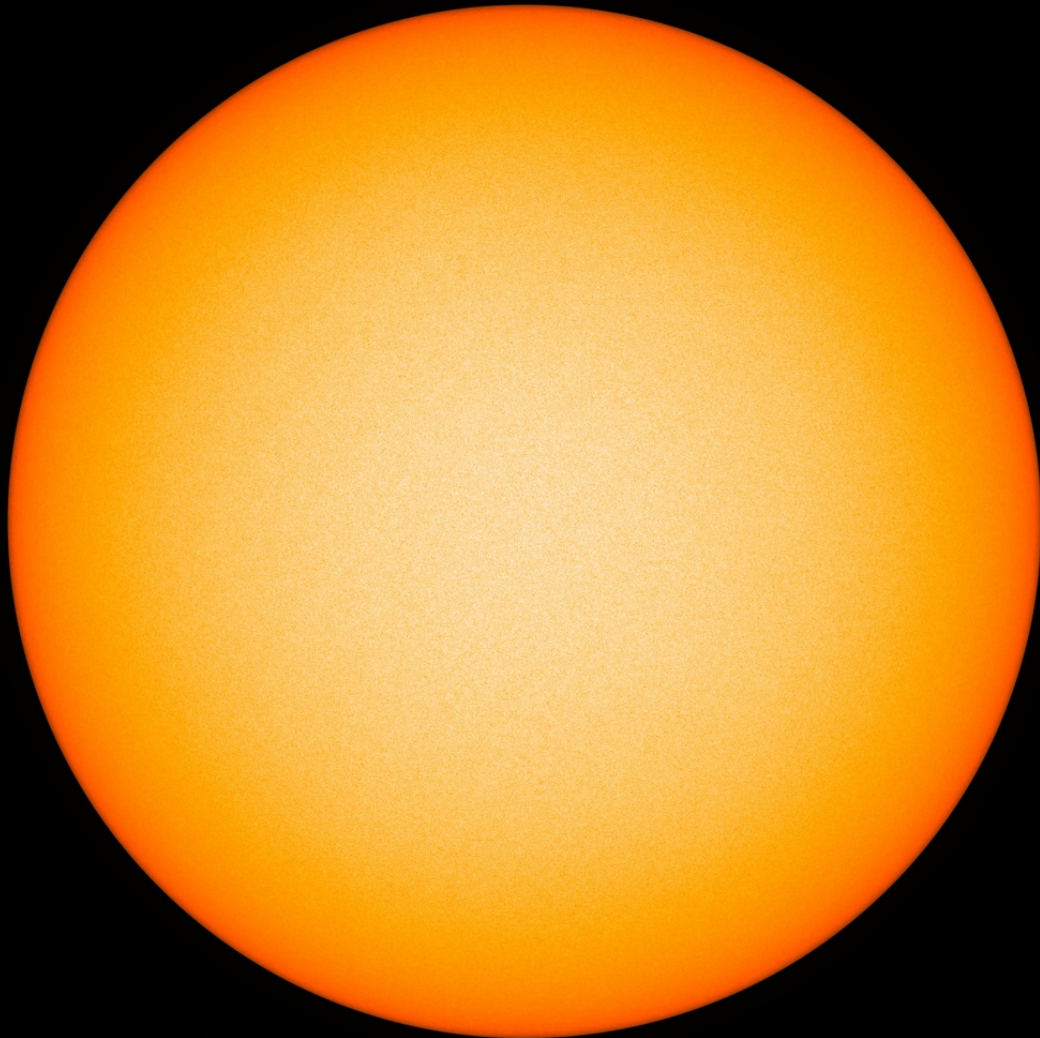
SDO/HMI Magnetogram 2019-02-03



SDO/HMI Quick-Look Magnetogram: 20190203_114500

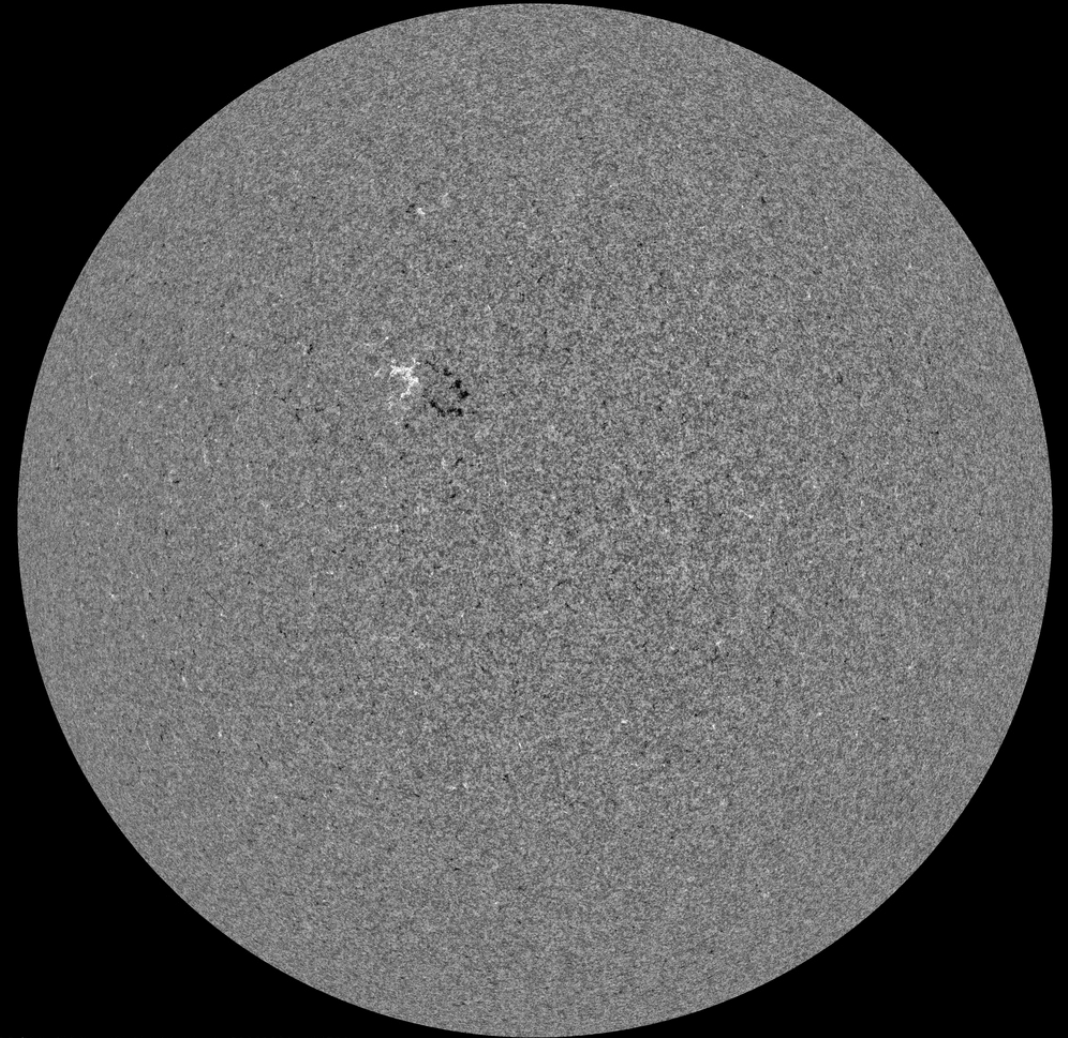
Solar active region - middle of the week

SDO/HMI White Light 2019-02-06



SDO/HMI Quick-Look Continuum: 20190206_114500

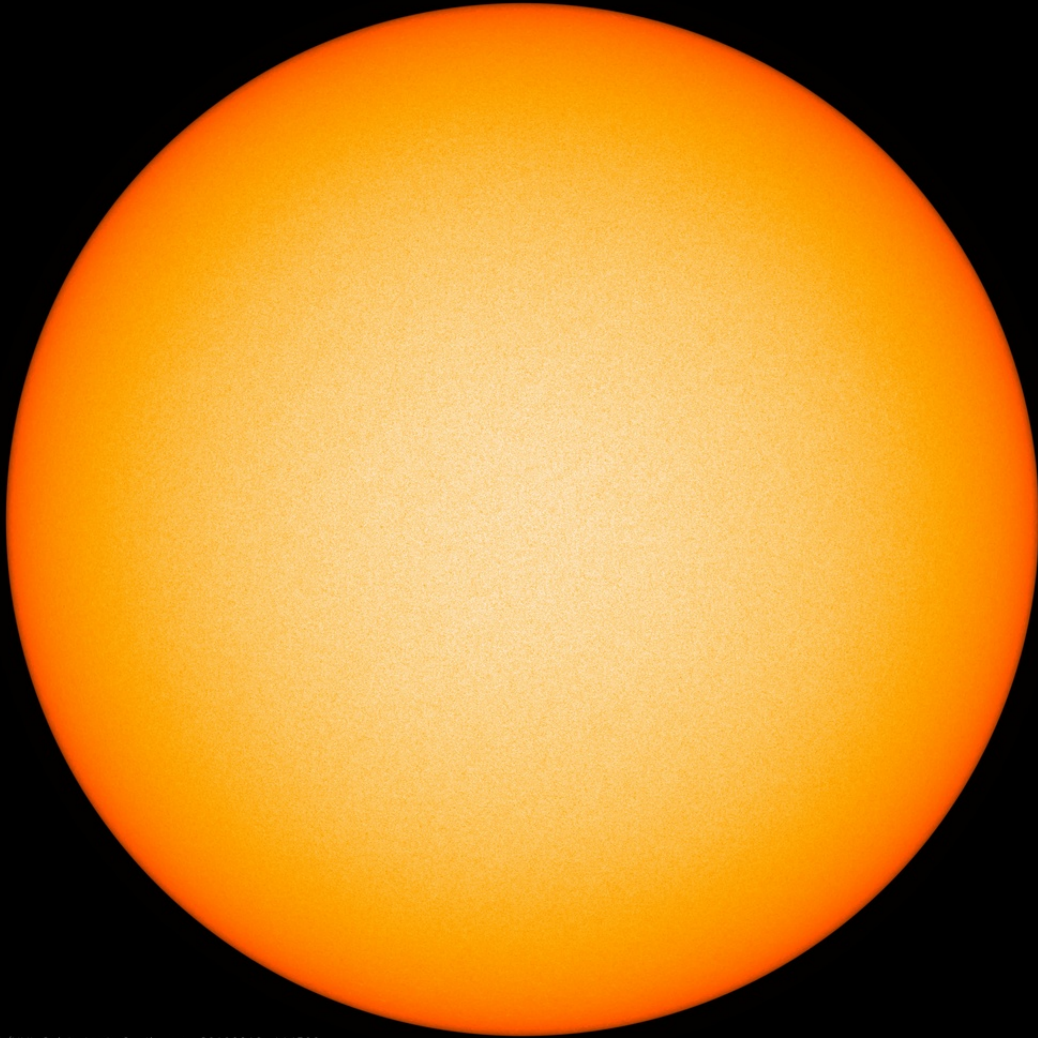
SDO/HMI Magnetogram 2019-02-06



SDO/HMI Quick-Look Magnetogram: 20190206_114500

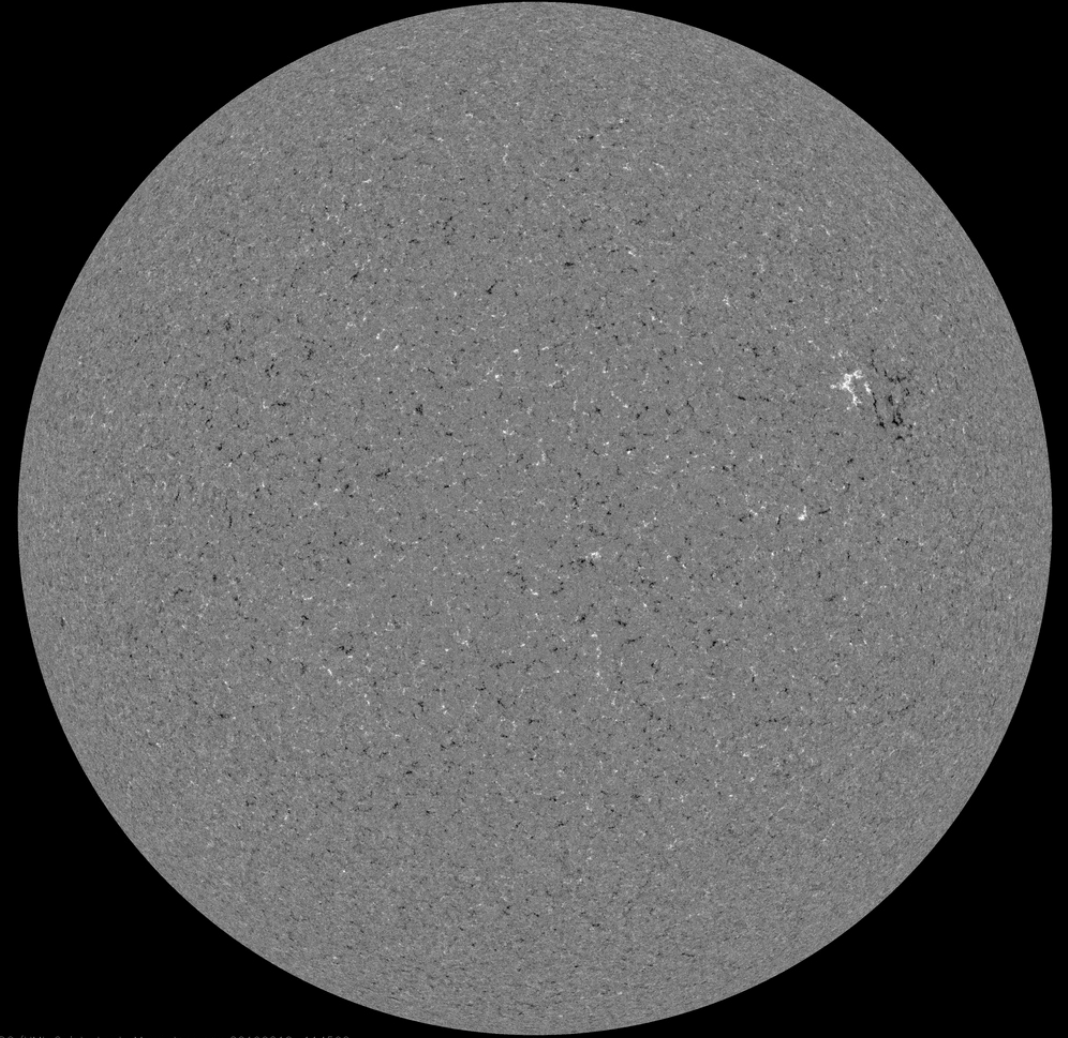
Solar active region - end of the week

SDO/HMI White Light 2019-02-10



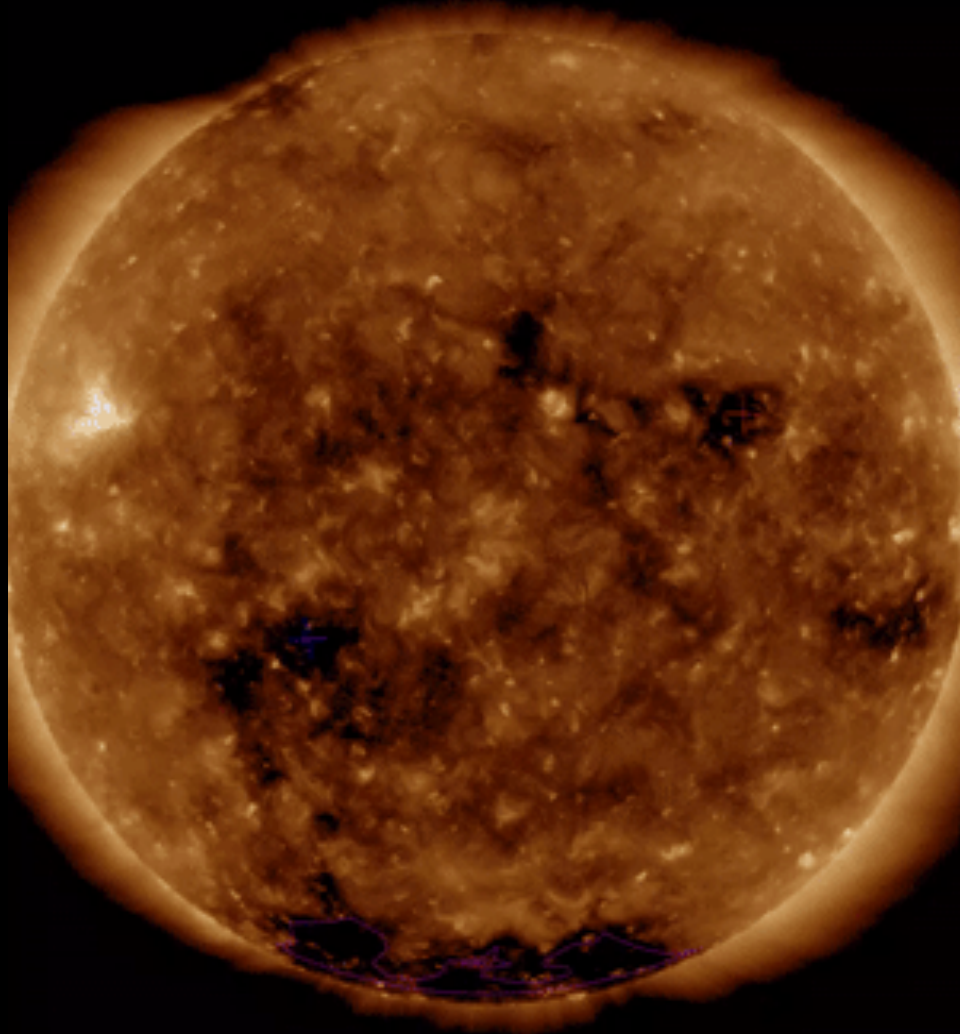
SDO/HMI Quick-Look Continuum: 20190210_114500

SDO/HMI Magnetogram 2019-02-10

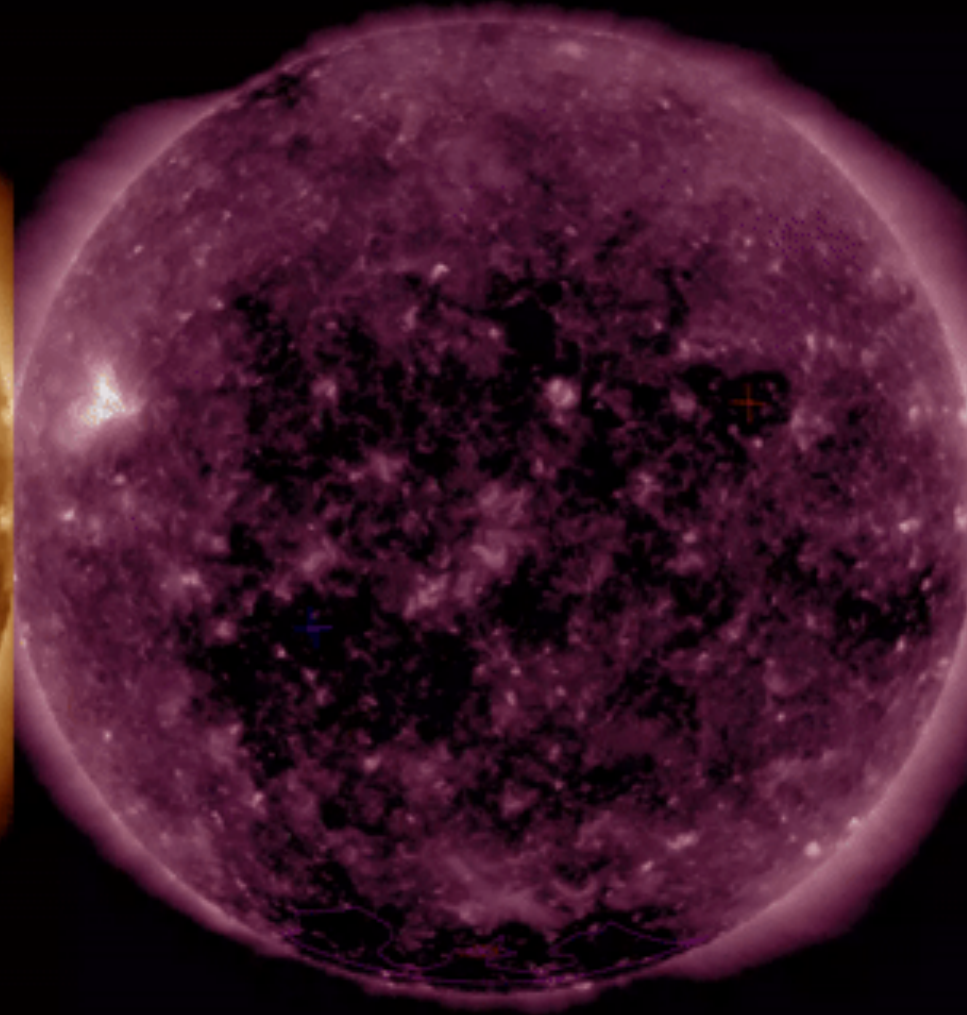


SDO/HMI Quick-Look Magnetogram: 20190210_114500

Solar active region & Coronal hole

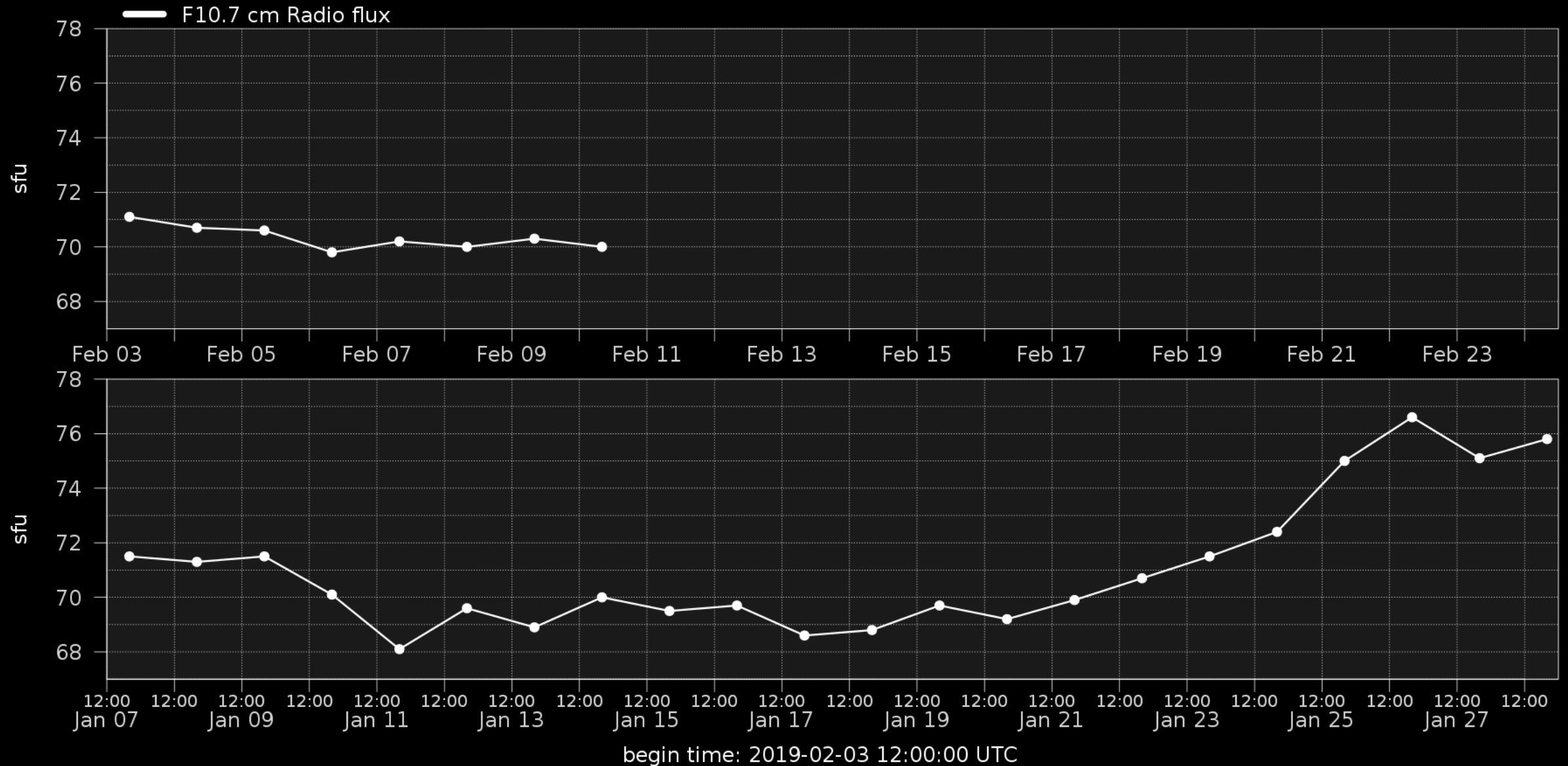


2019-02-03T12:00:28 AIA 193

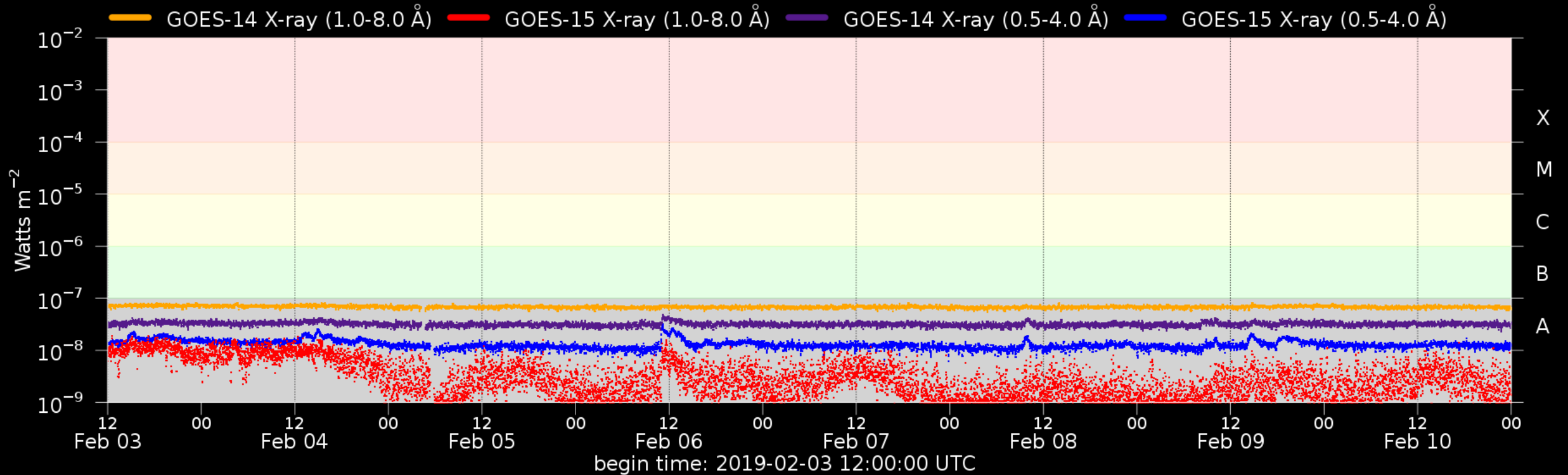


2019-02-03T12:00:33 AIA 211

Solar F10.7cm radio flux



Flaring activity

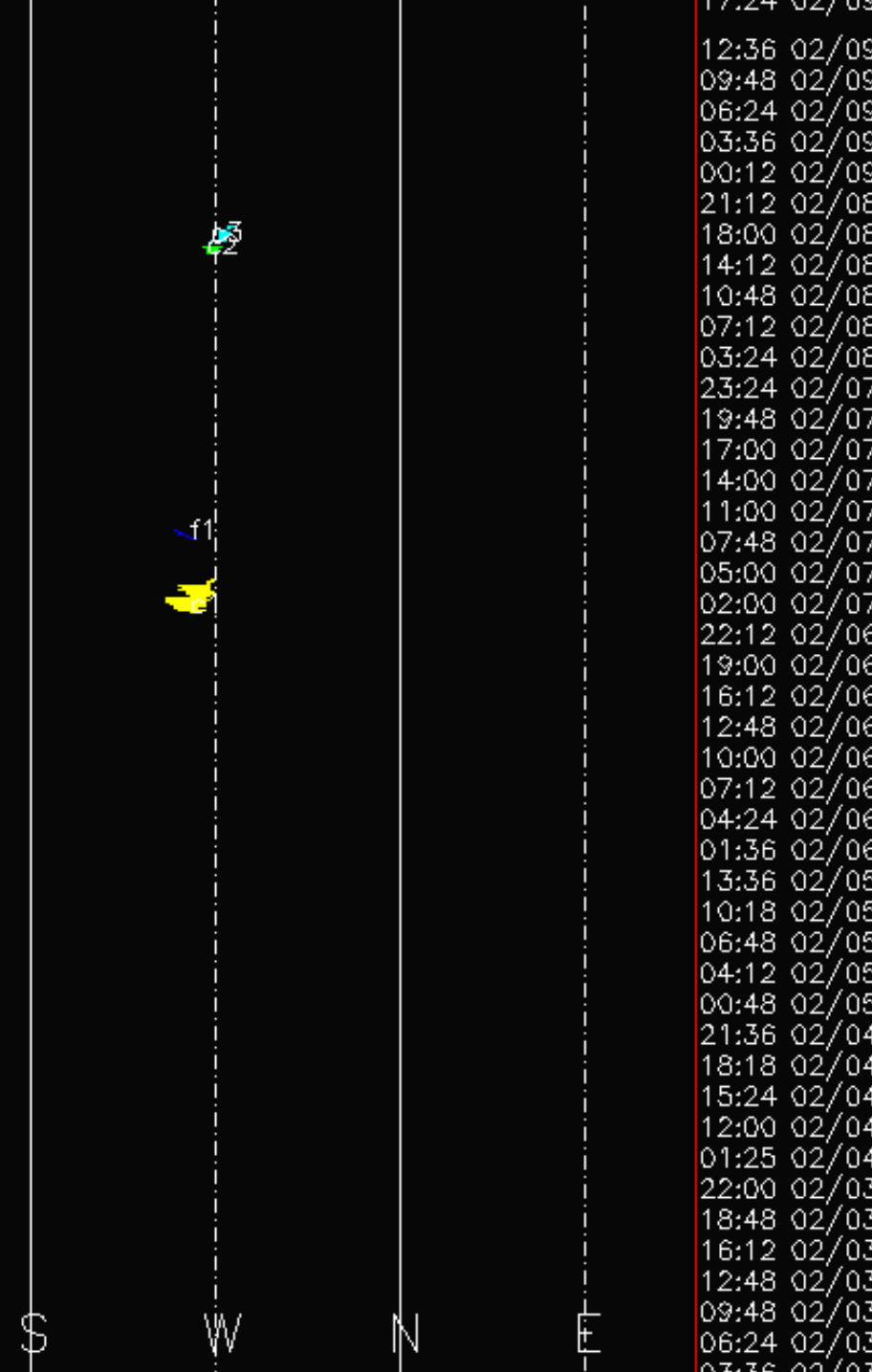


Probabilities (%) and occurrences (#) of B/C/M/X-flares issued at 12:30 and over the next 24h:

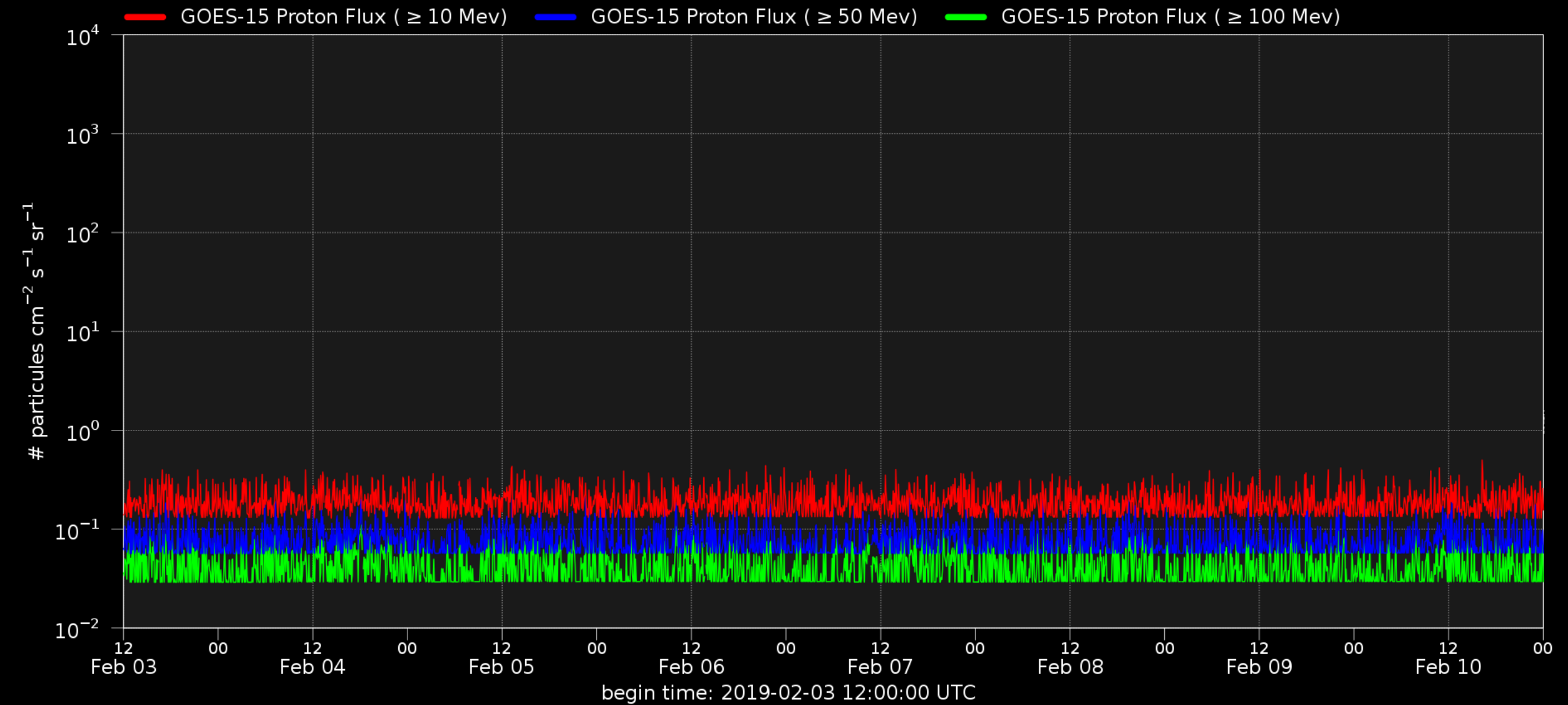
Issue date	2019-02-03	2019-02-04	2019-02-05	2019-02-06	2019-02-07	2019-02-08	2019-02-09	2019-02-10
Probability	--- 05 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01
Observed	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

Coronal Mass Ejection

Small and slow
outflow events.



Solar proton flux

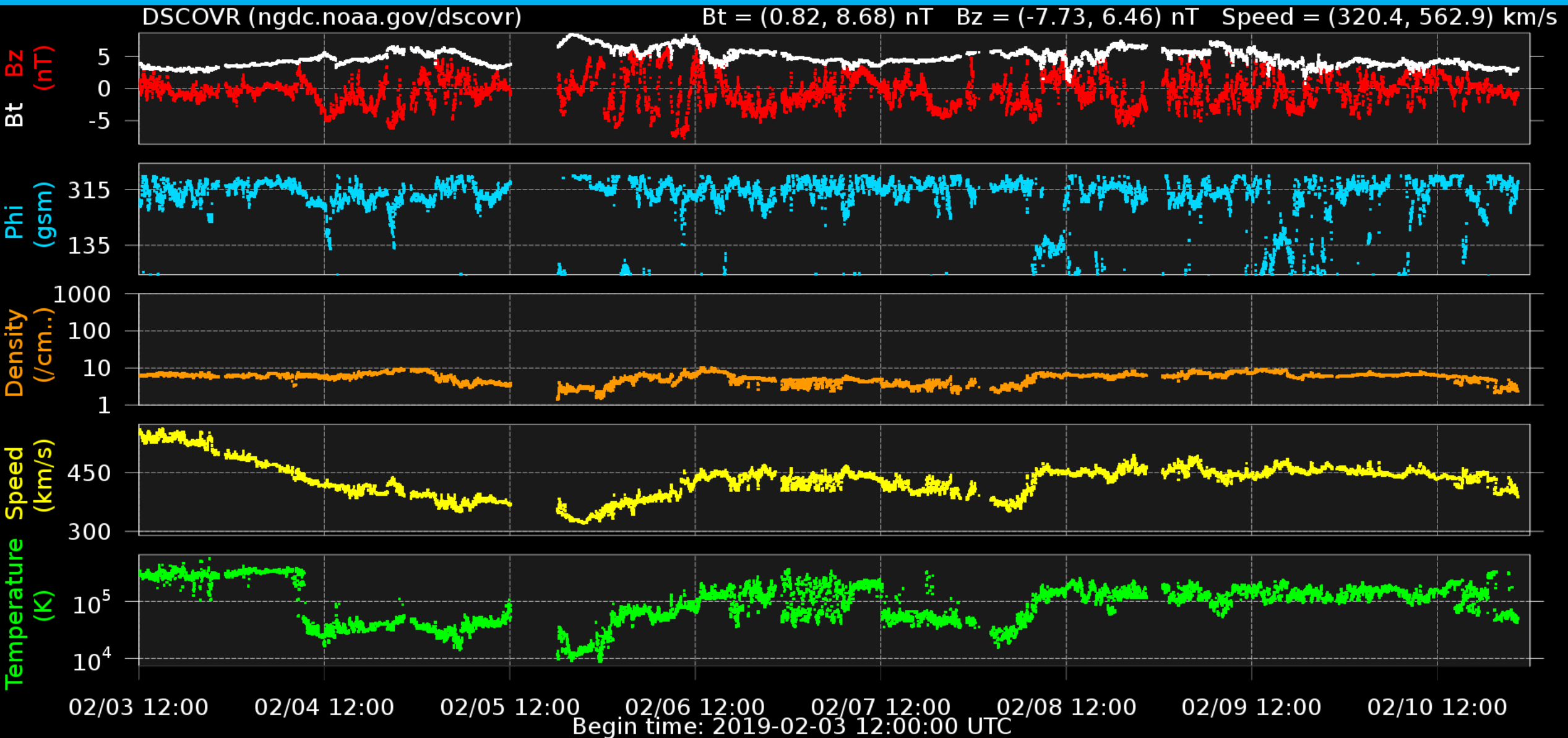


Solar Wind and Geomagnetic Activity

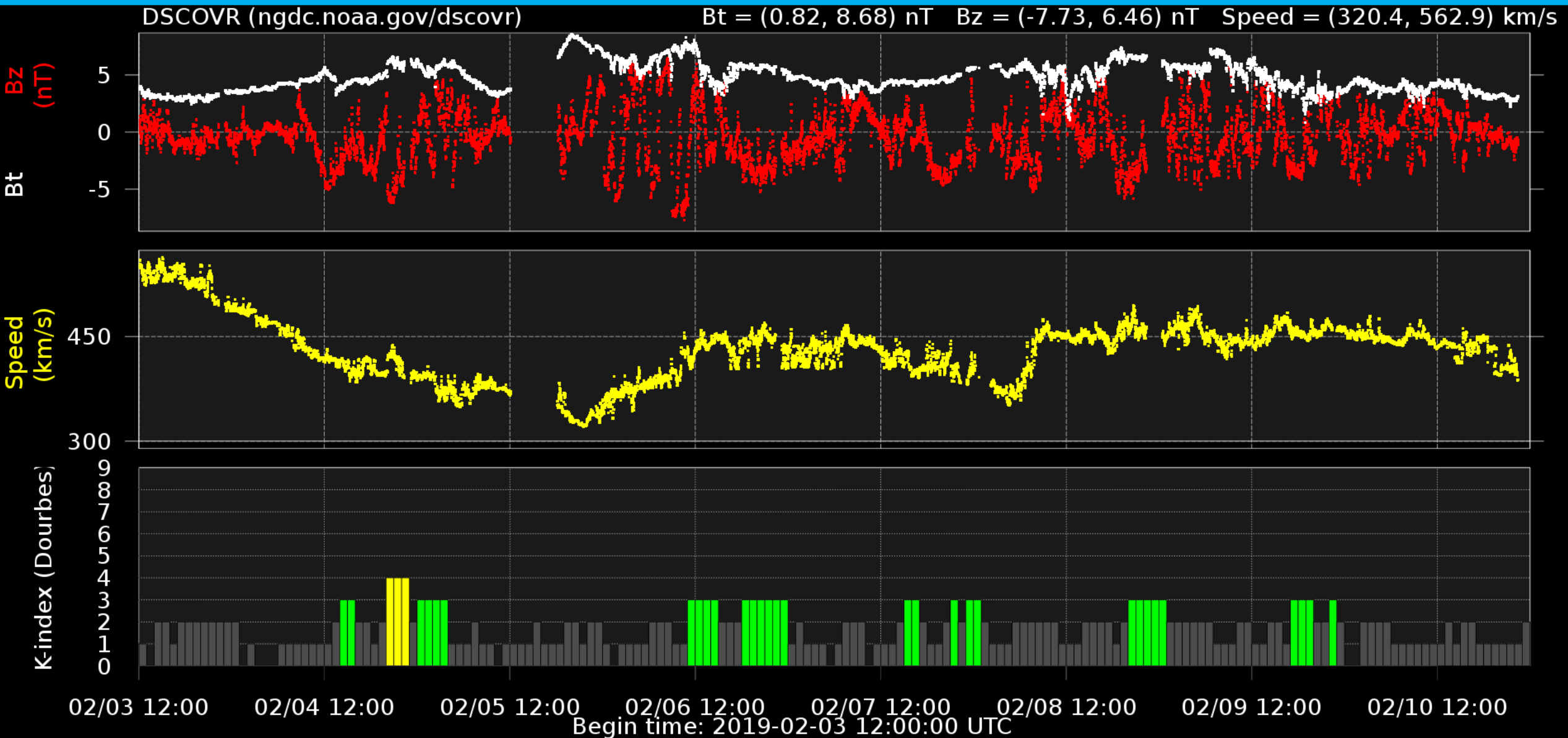


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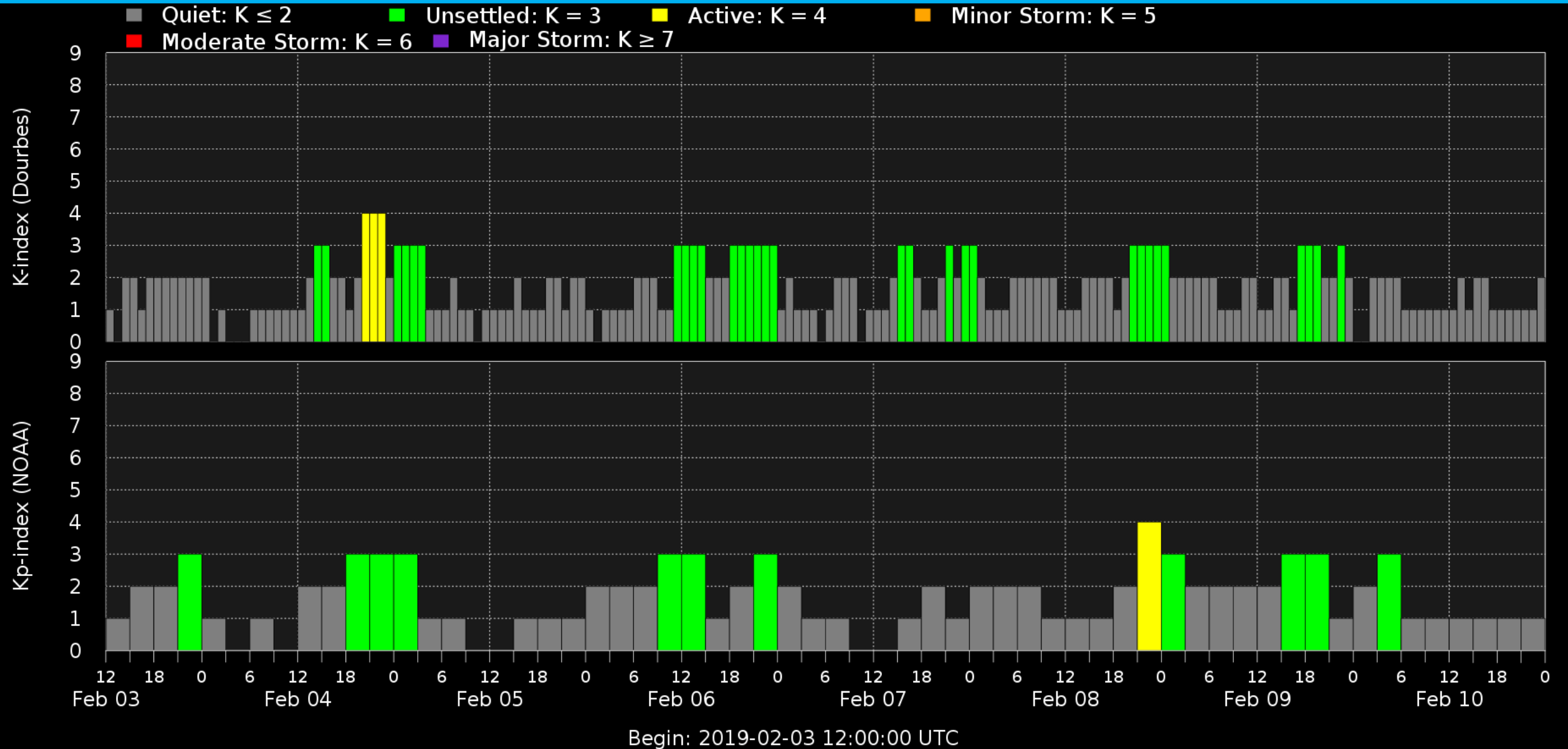
Solar wind parameters (DSCOVR data)



Solar wind parameters & K-index (DSCOVR/Dourbes)



Geomagnetic activity (K-indexes)



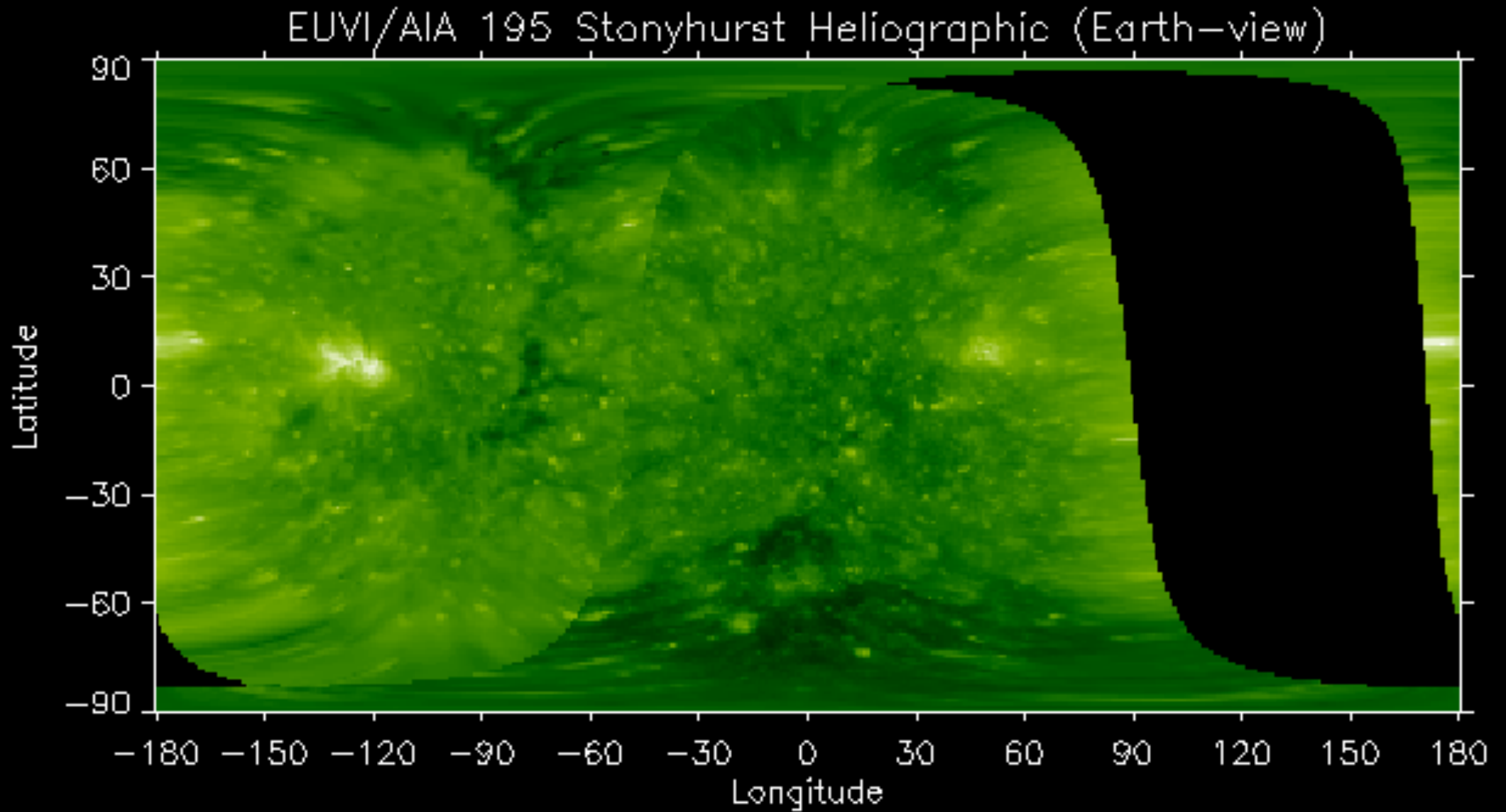
Outlook



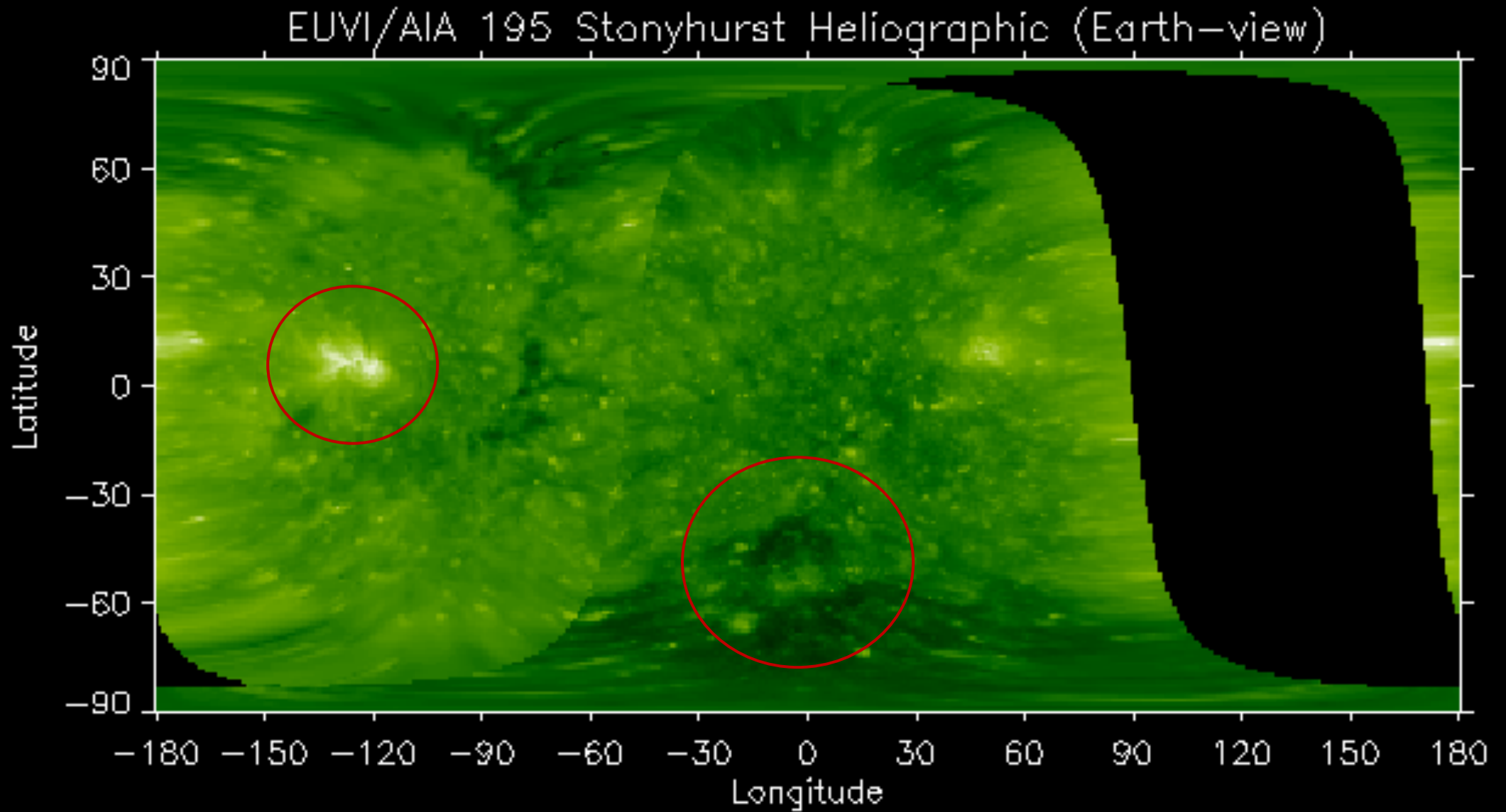
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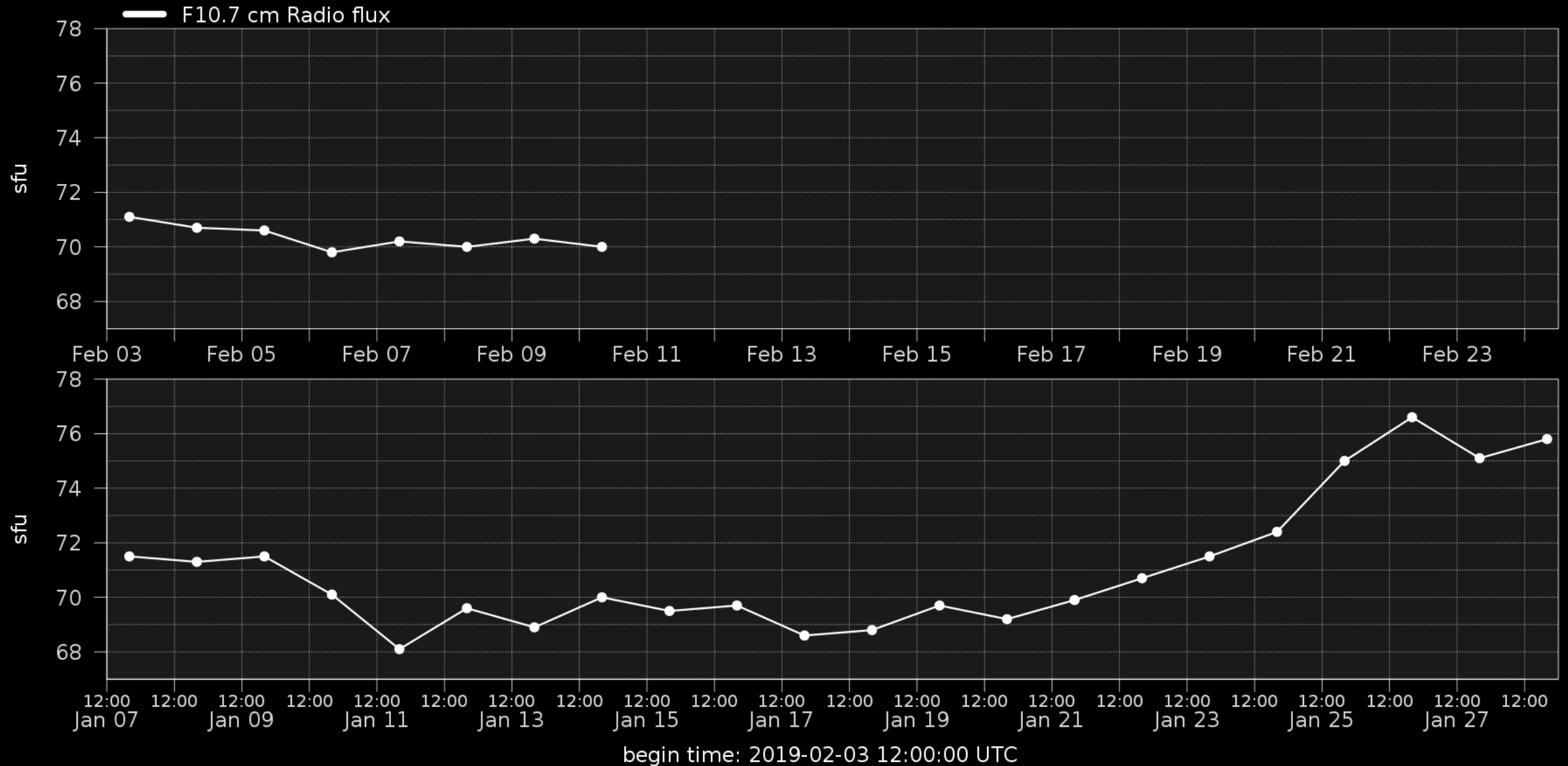
Outlook: Solar activity



Outlook: Solar activity

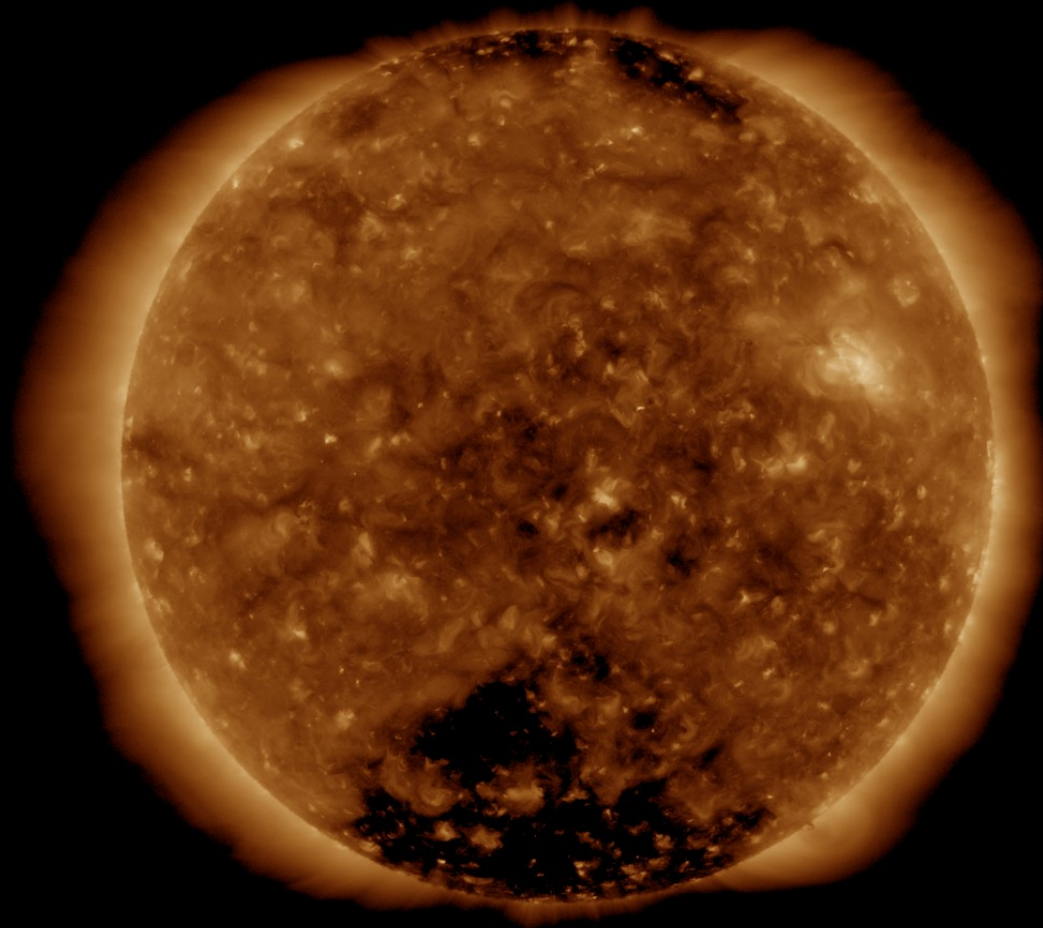


Solar F10.7cm radio flux



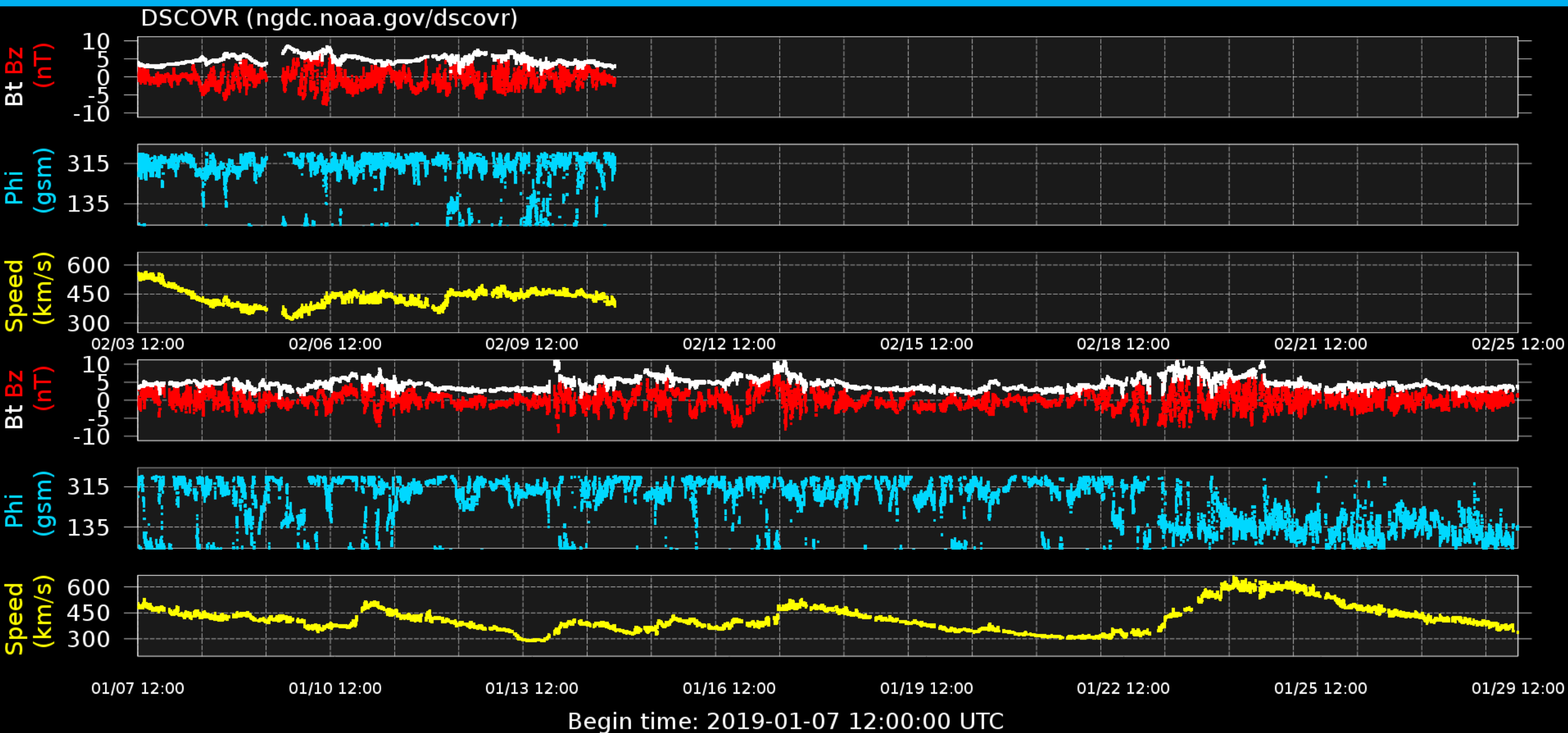
Solar active region & Coronal hole

SDO/AIA 19.3 nm 2019-02-10

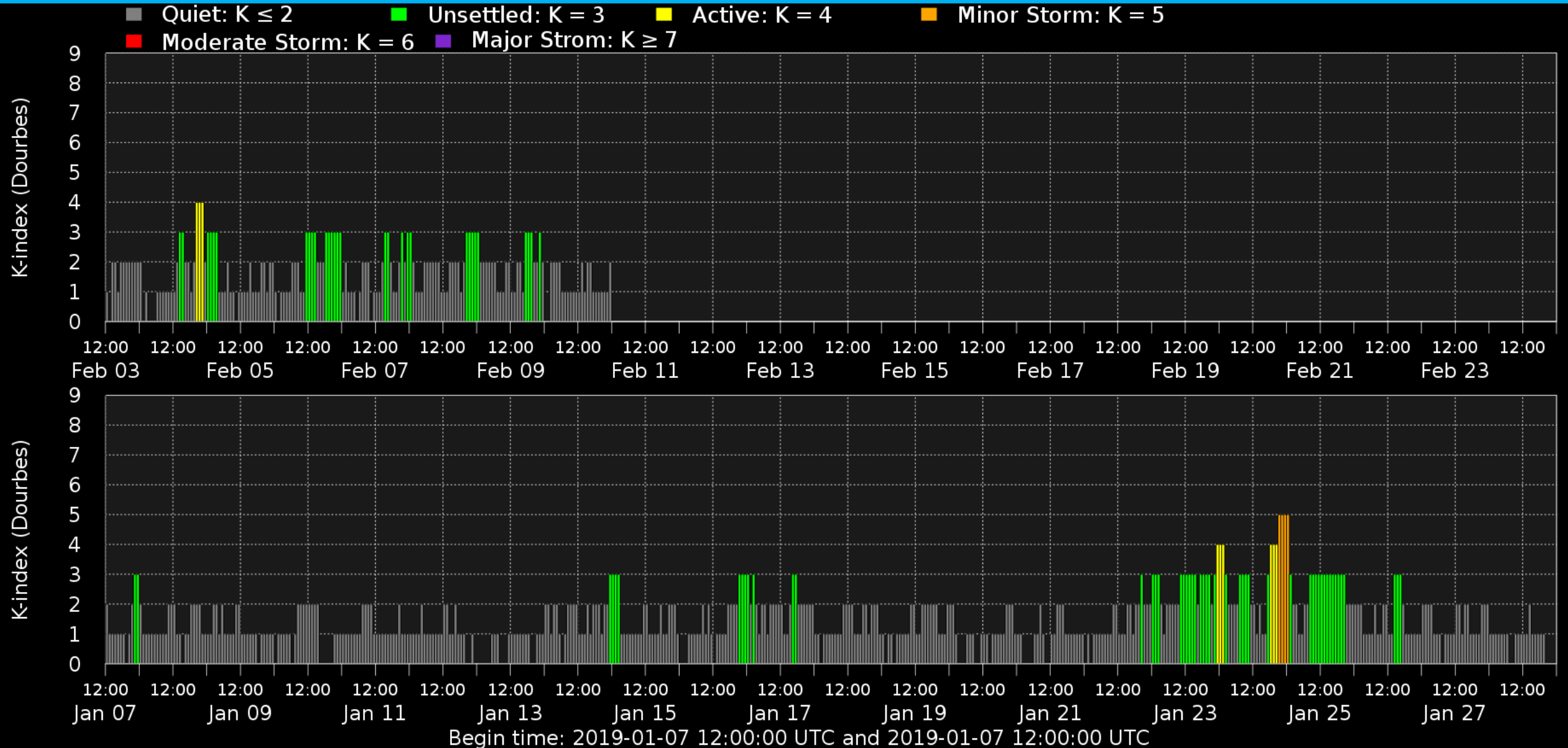


SDO/AIA 193 2019-02-10 12:10:05 UT

Outlook: Solar wind



Outlook: Geomagnetic activity



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See you at our next briefing!

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