

SIDC Space Weather Briefing

03 May 2020 - 10 May 2020

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& the SIDC forecaster team



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Summary Report

Solar activity from 2020-05-03 12:00 UT to 2020-05-10 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	Background levels

Solar wind and geomagnetic conditions from 2020-05-03 12:00 UT to 2020-05-10 12:00 UT

Coronal Holes	Minor influence on space weather conditions
ICME	None
SW Conditions	Speed: 280-360 km/s Bt: 0.6 nT 7.7 nT Bz: -6.7nT +5.6 nT
K-indices	max K-index (Dourbes): 3.0 max Kp-index (NOAA): 3

All Quiet Alert: ON for the week

Solar Activity

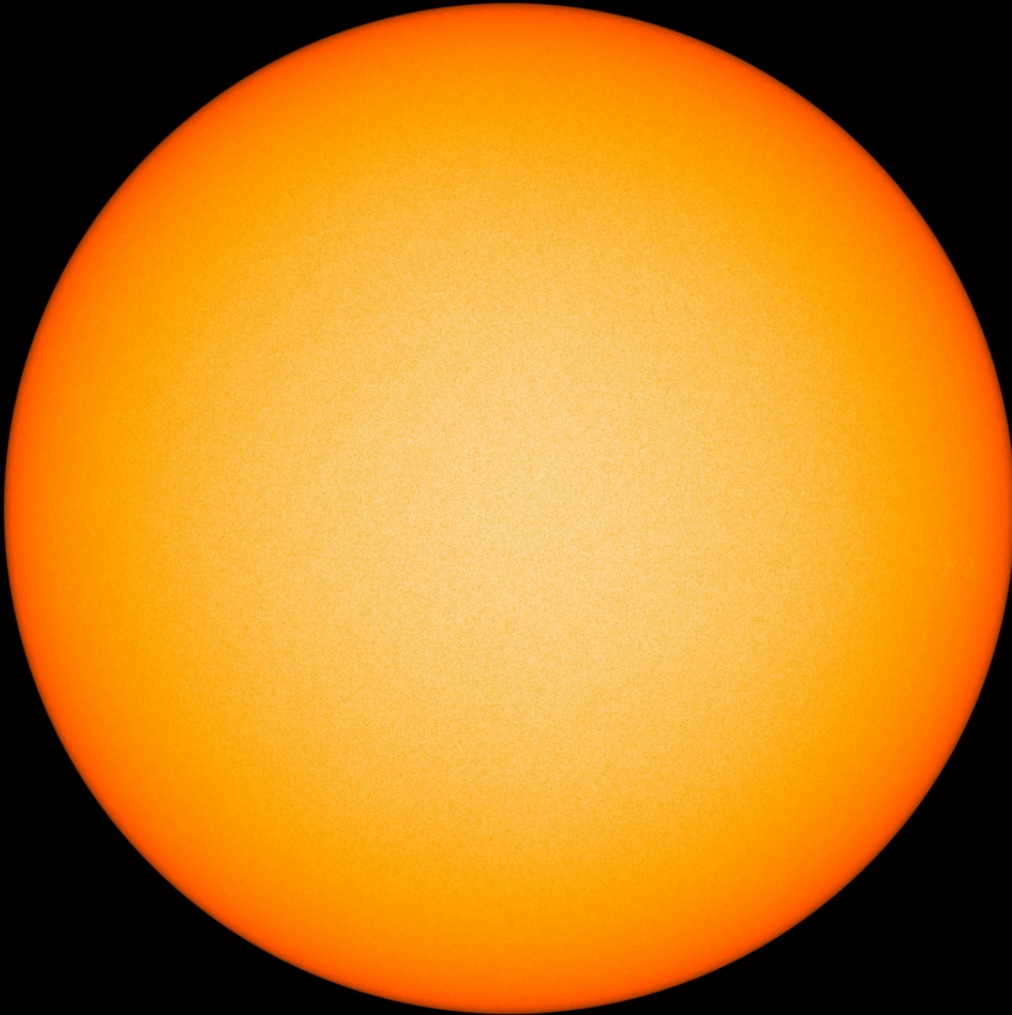


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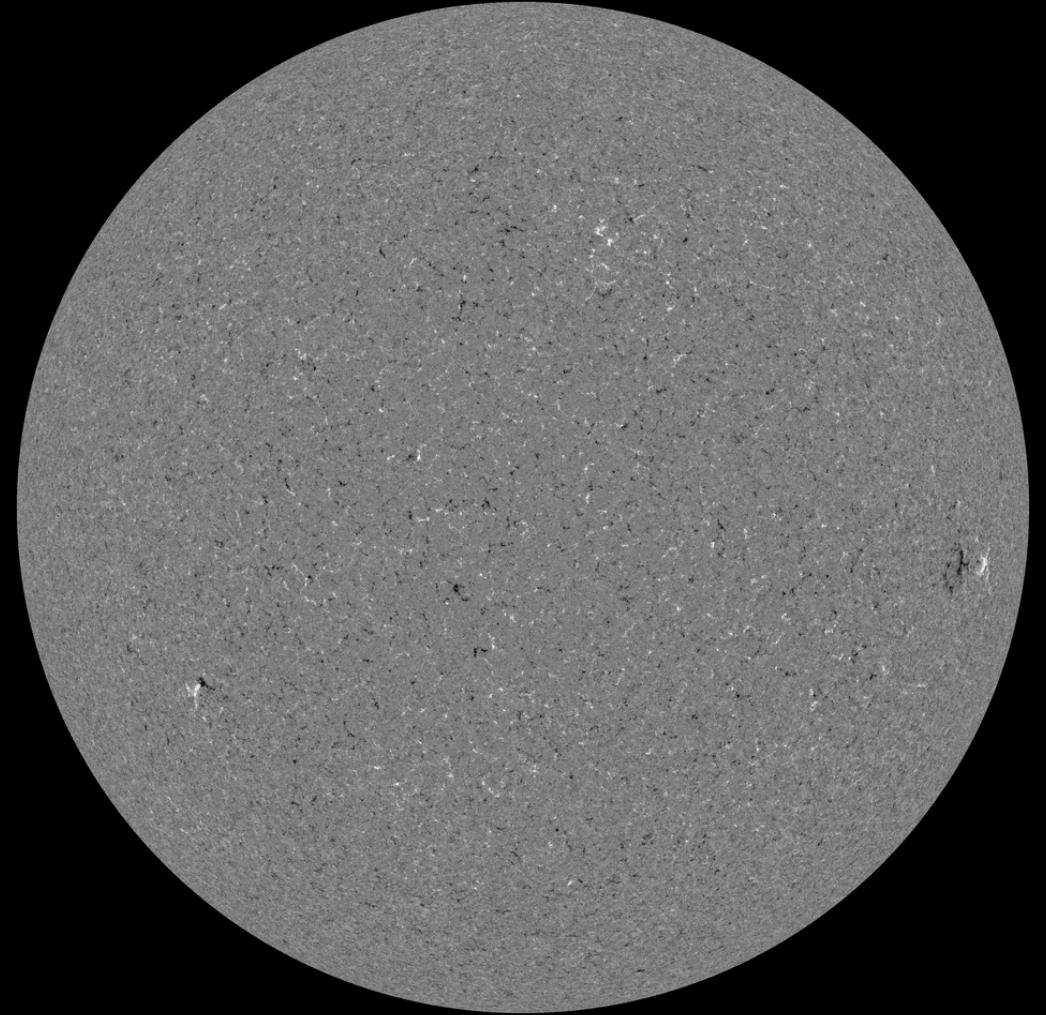
Solar active region - start of the week

SDO/HMI White Light 2020-05-03



SDO/HMI Quick-Look Continuum: 20200503_114500

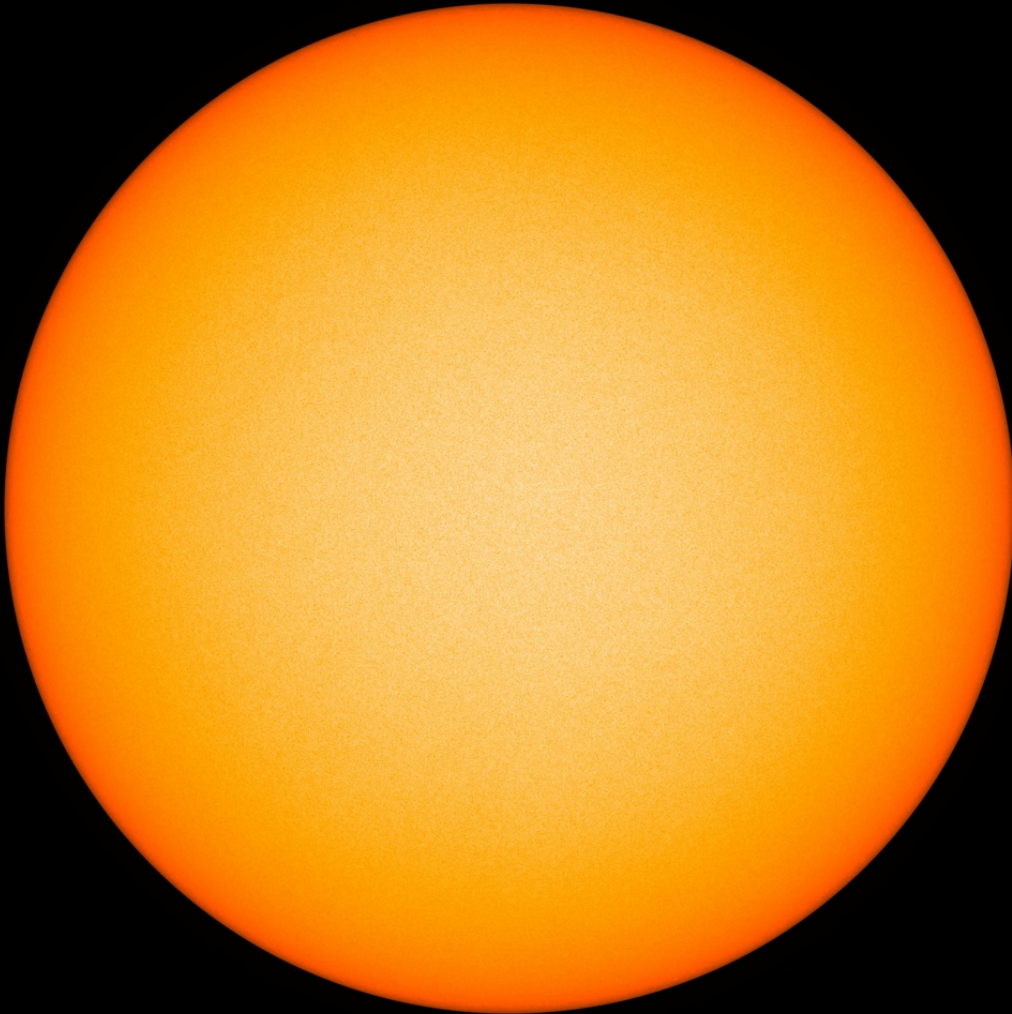
SDO/HMI Magnetogram 2020-05-03



SDO/HMI Quick-Look Magnetogram: 20200503_114500

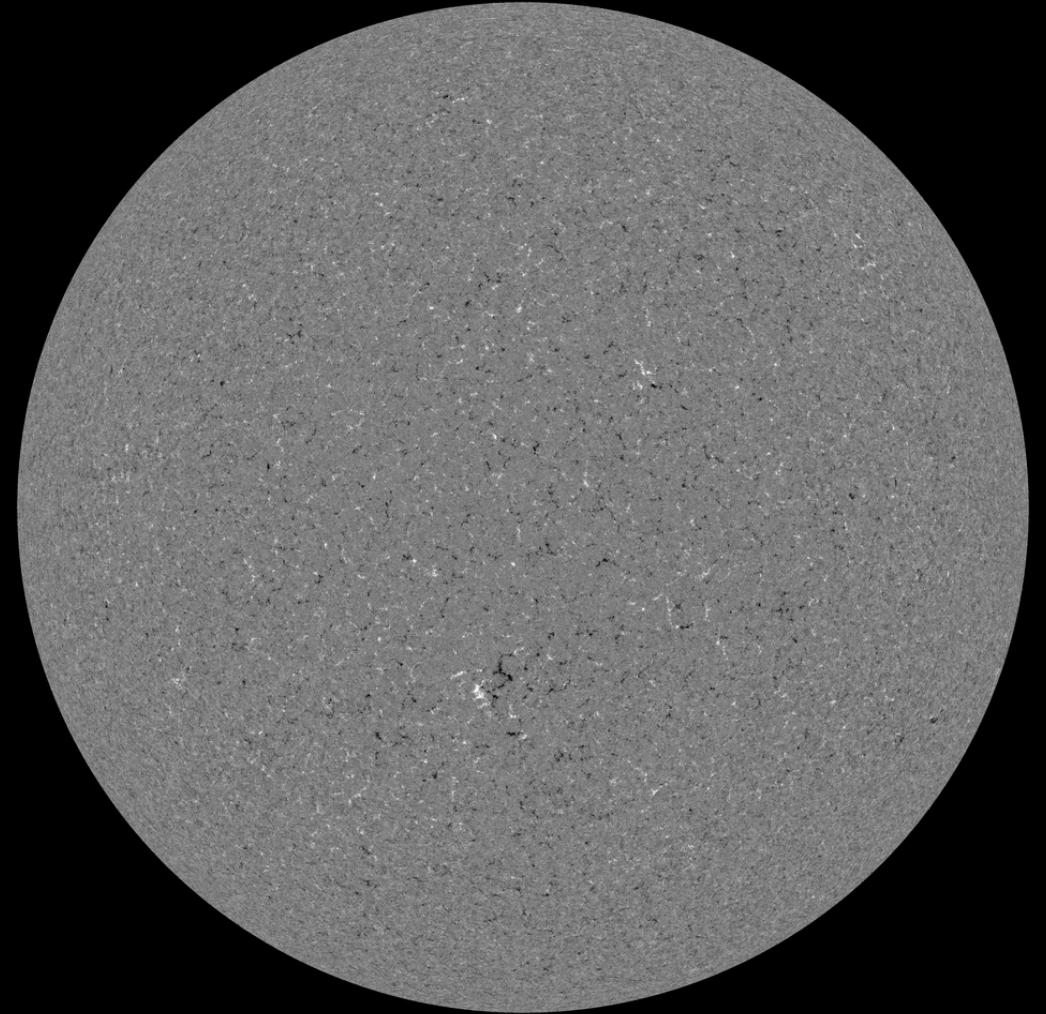
Solar active region - middle of the week

SDO/HMI White Light 2020-05-06



SDO/HMI Quick-Look Continuum: 20200506_114500

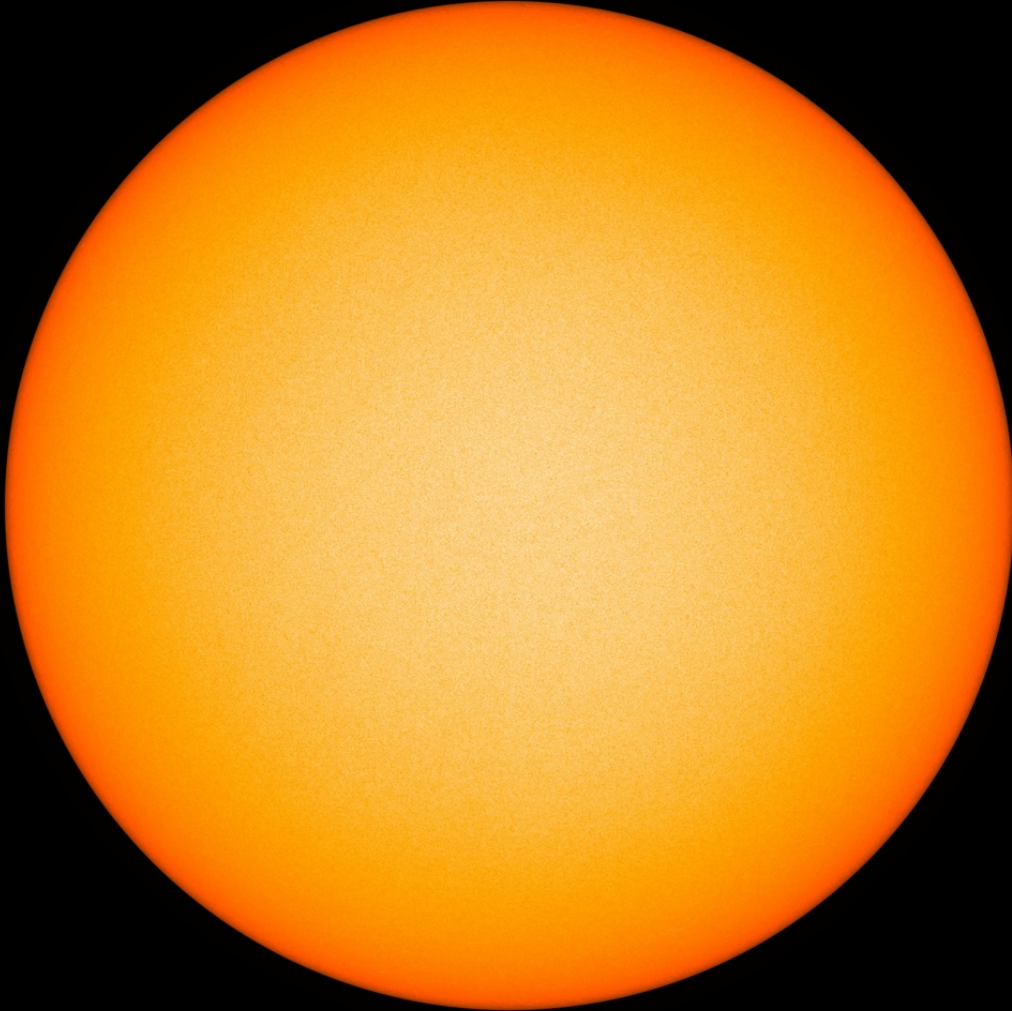
SDO/HMI Magnetogram 2020-05-06



SDO/HMI Quick-Look Magnetogram: 20200506_114500

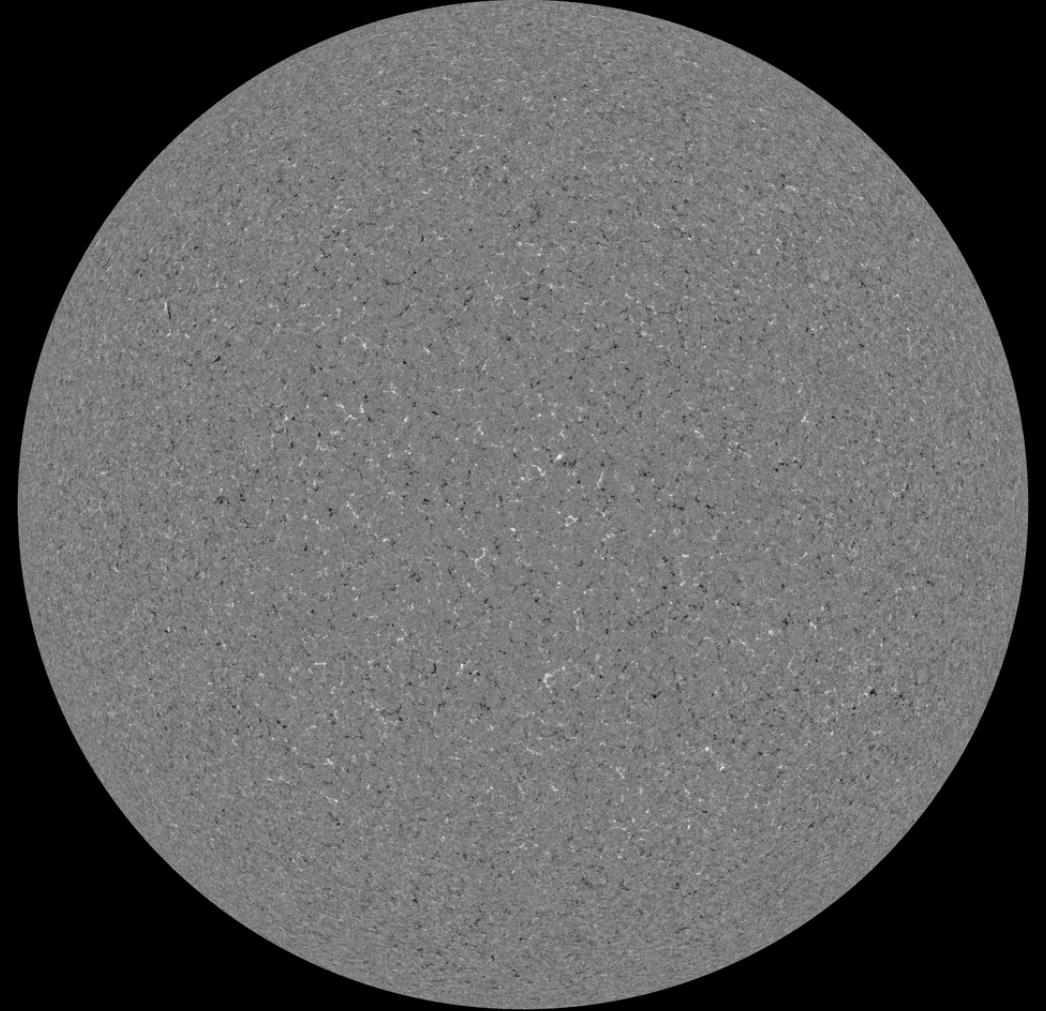
Solar active region - end of the week

SDO/HMI White Light 2020-05-10



SDO/HMI Quick-Look Continuum: 20200510_114500

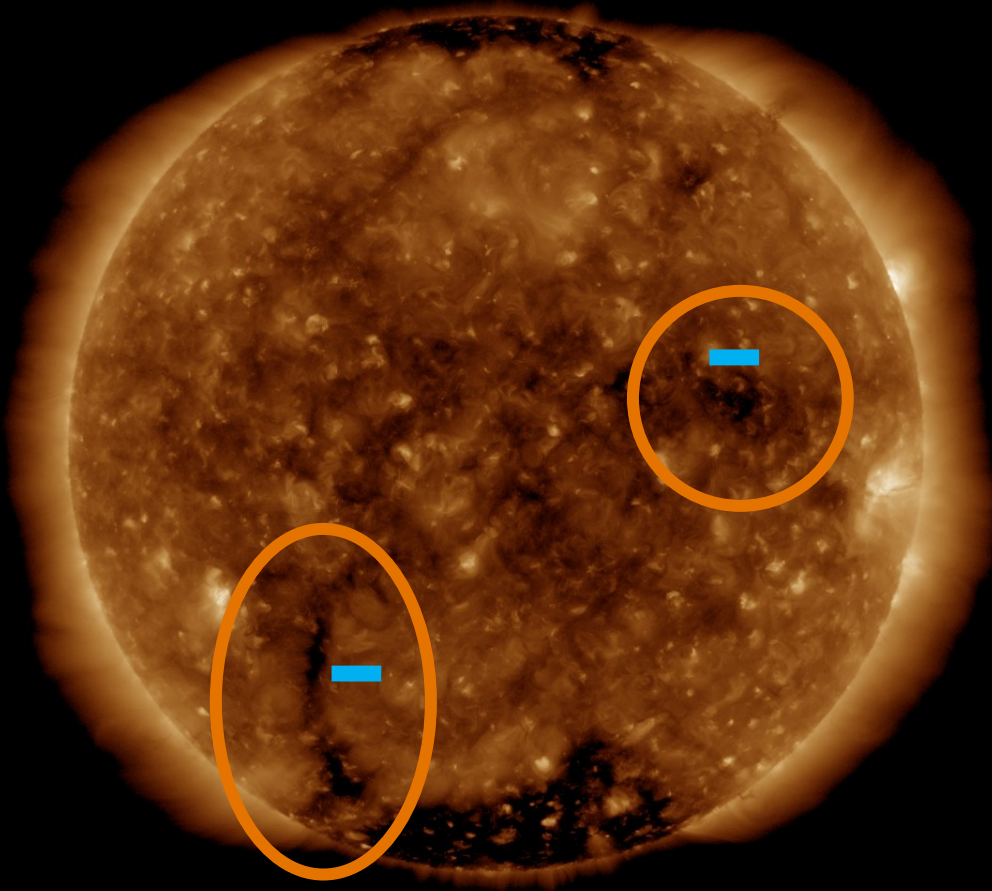
SDO/HMI Magnetogram 2020-05-10



SDO/HMI Quick-Look Magnetogram: 20200510_114500

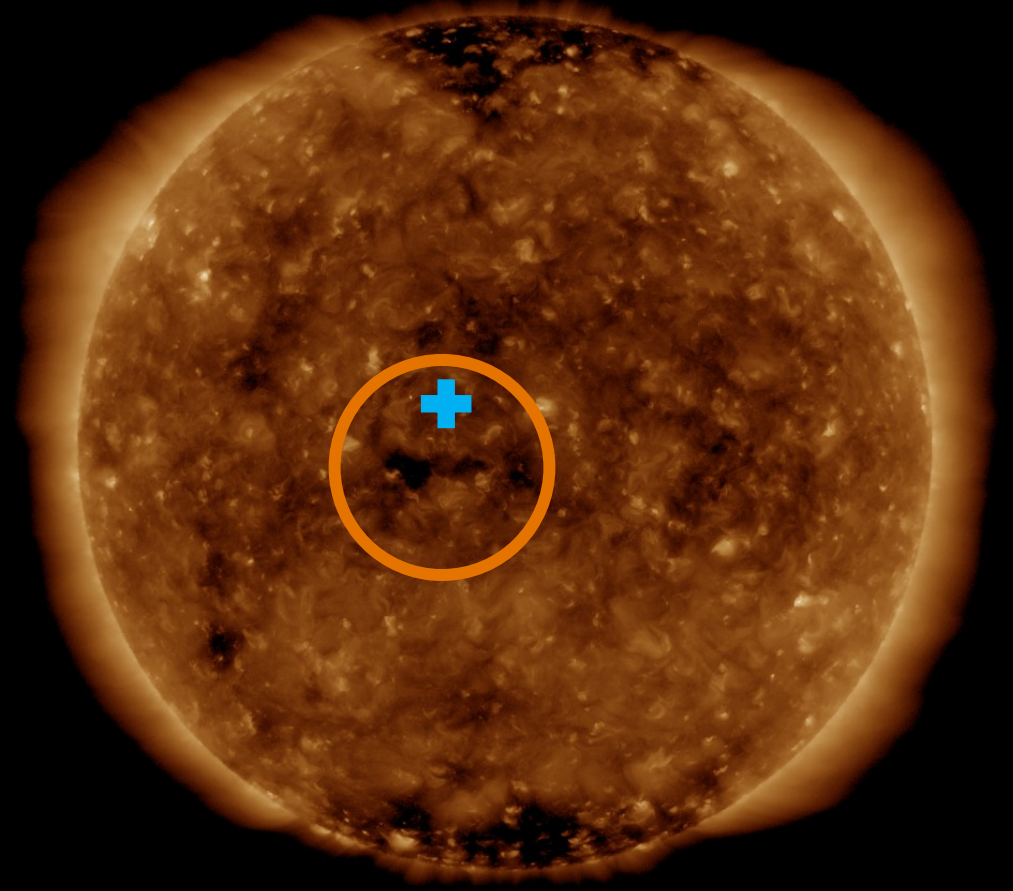
Solar active region & Coronal hole

SDO/AIA 19.3 nm 2020-05-03



SDO/AIA 193 2020-05-03 12:11:05 UT

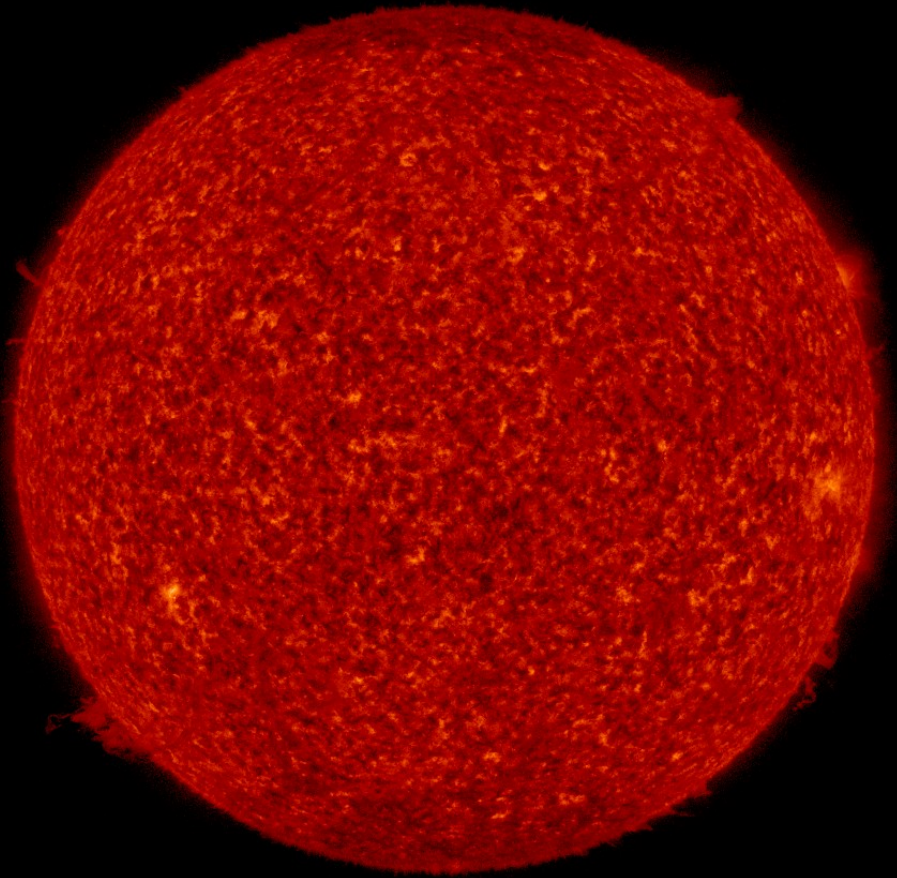
SDO/AIA 19.3 nm 2020-05-10



SDO/AIA 193 2020-05-10 12:10:41 UT

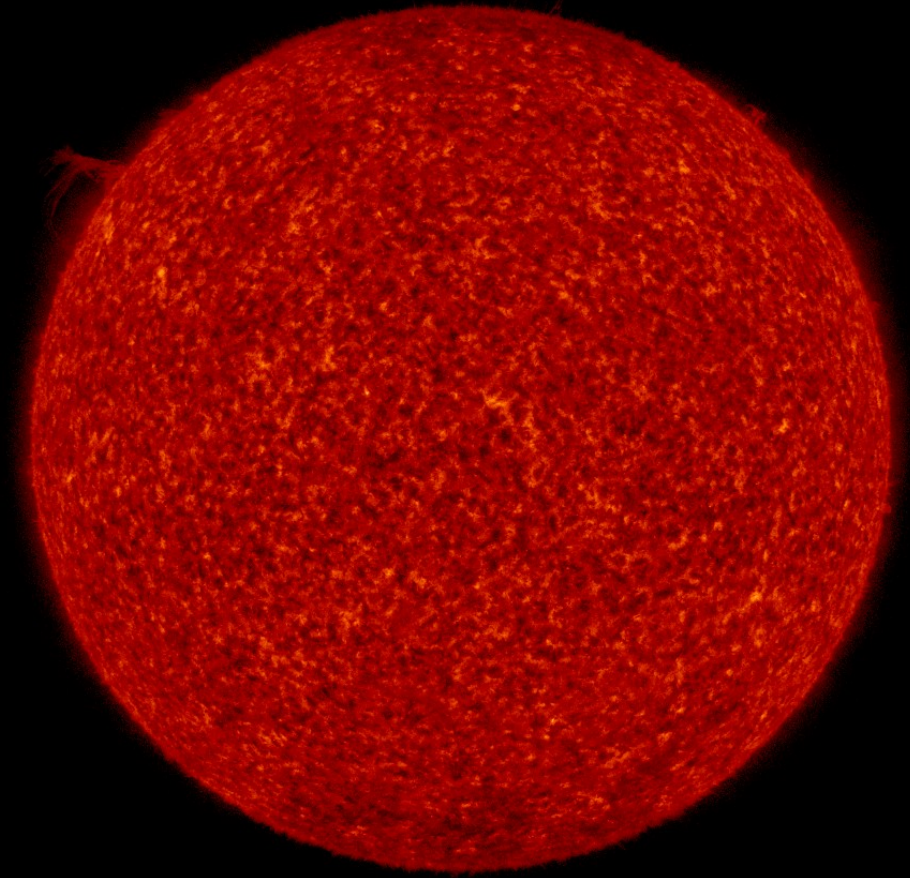
Solar active region & Filament

SDO/AIA 30.4 nm 2020-05-03



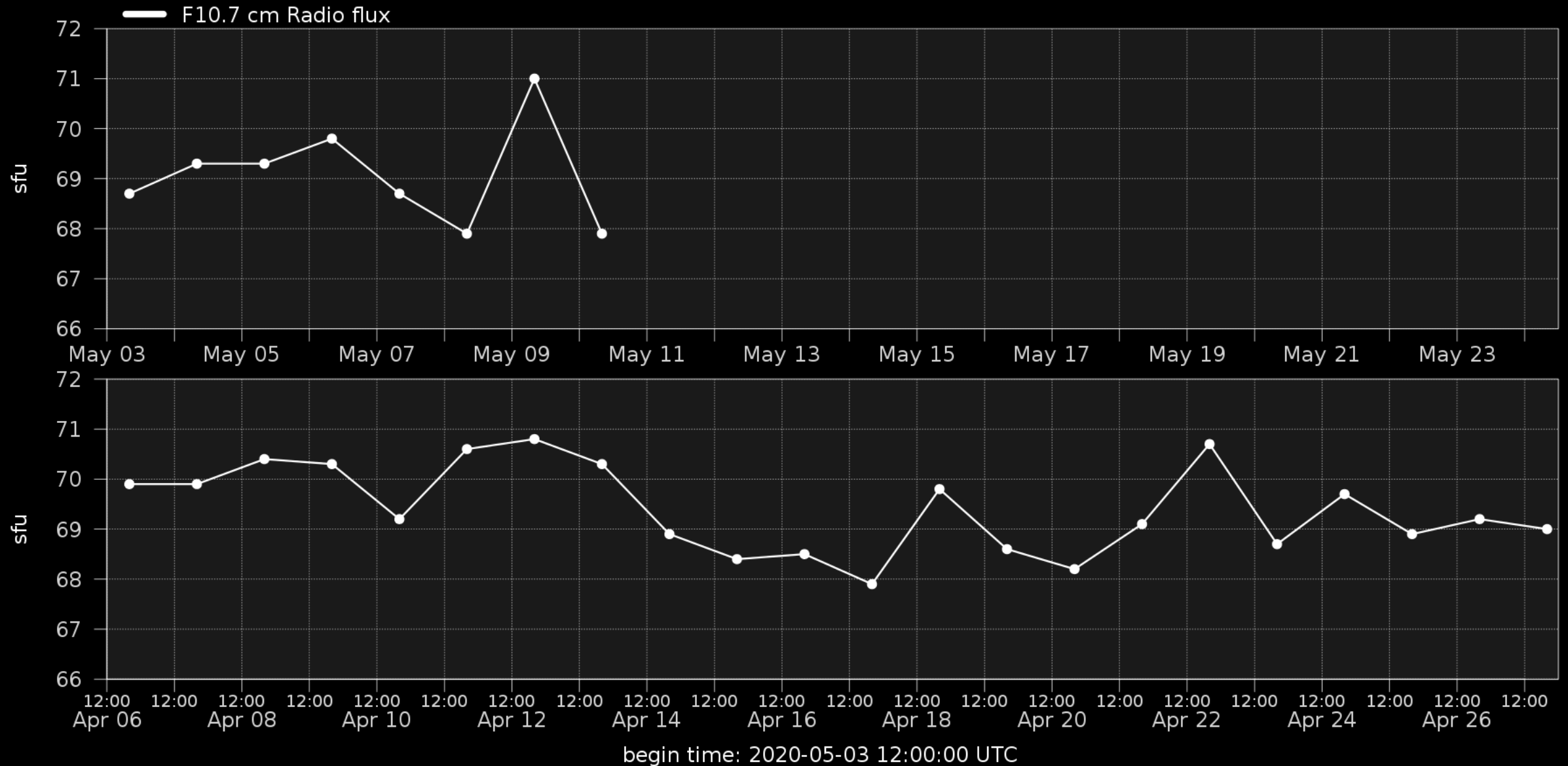
SDO/AIA 304 2020-05-03 12:12:30 UT

SDO/AIA 30.4 nm 2020-05-10

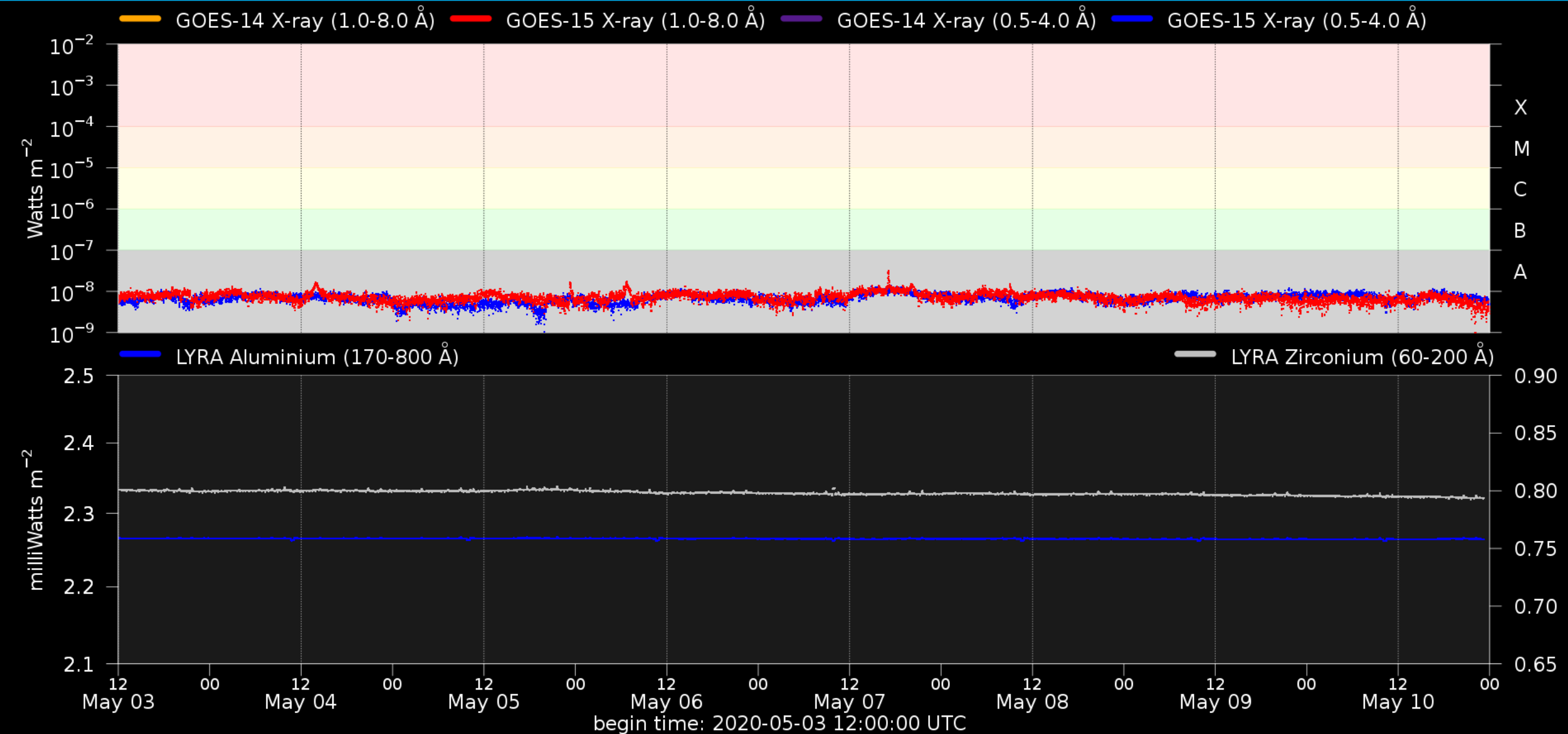


SDO/AIA 304 2020-05-10 12:13:30 UT

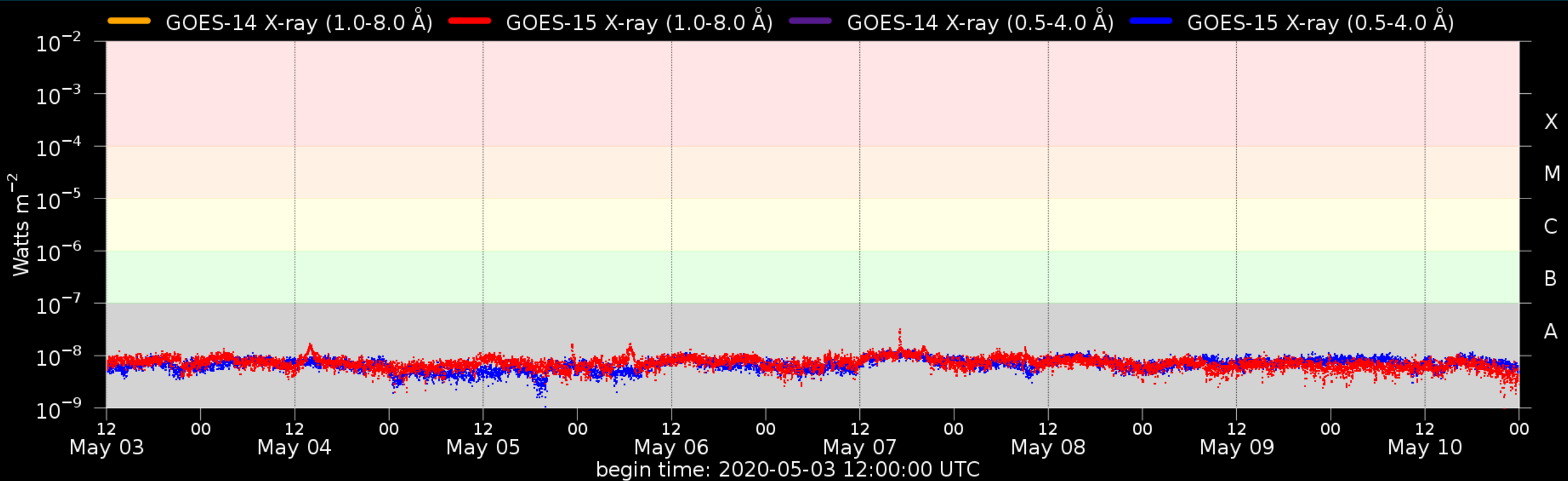
Solar F10.7cm radio flux



Solar X-Ray and UV flux



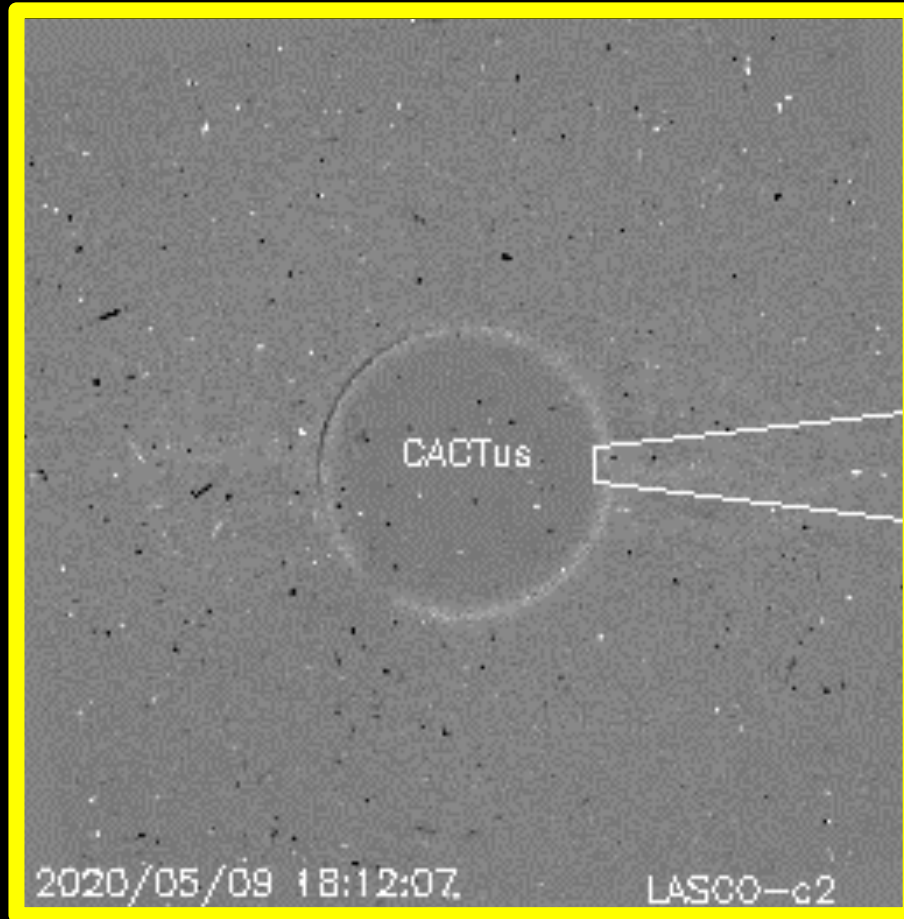
Flaring activity



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

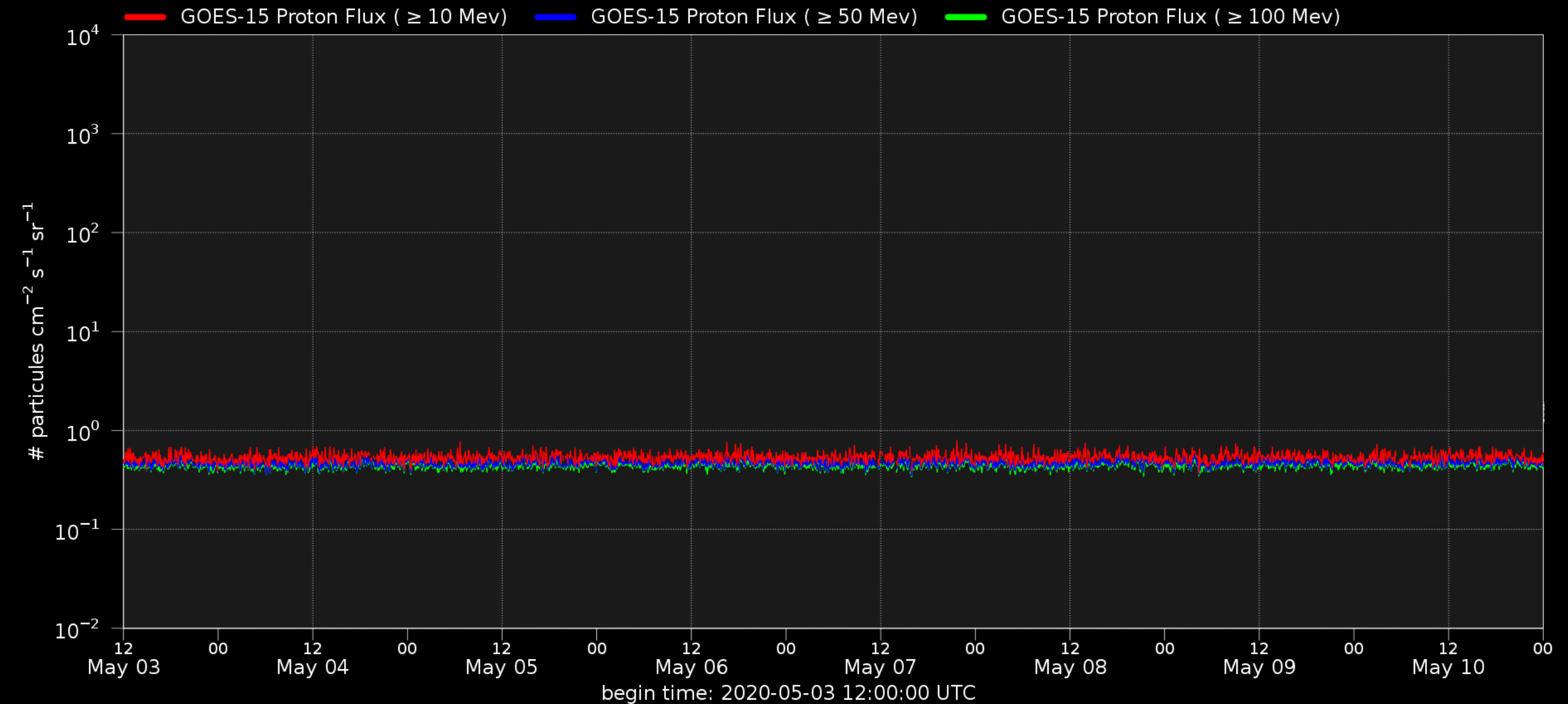
Issue date	2020-05-03	2020-05-04	2020-05-05	2020-05-06	2020-05-07	2020-05-08	2020-05-09	2020-05-10
Probability	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01
Observed	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

Coronal Mass Ejection



					01:36 05/10
					21:48 05/09
					18:48 05/09
					15:48 05/09
					12:24 05/09
					09:24 05/09
					06:36 05/09
					03:36 05/09
					23:36 05/08
					20:12 05/08
					17:36 05/08
					14:37 05/08
					11:00 05/08
					07:48 05/08
					04:17 05/08
					23:24 05/07
					20:00 05/07
					17:00 05/07
					13:48 05/07
					10:48 05/07
					07:36 05/07
					05:06 05/07
					02:00 05/07
					22:12 05/06
					19:12 05/06
					16:48 05/06
					14:00 05/06
					10:48 05/06
					07:36 05/06
					04:24 05/06
					01:25 05/06
					22:00 05/05
					19:00 05/05
					16:00 05/05
					12:48 05/05
					10:00 05/05
					07:00 05/05
					04:12 05/05
					00:36 05/05
					21:24 05/04
					18:24 05/04
					14:48 05/04
					11:36 05/04
					08:36 05/04
					05:36 05/04
S	W	N	E		

Solar proton flux

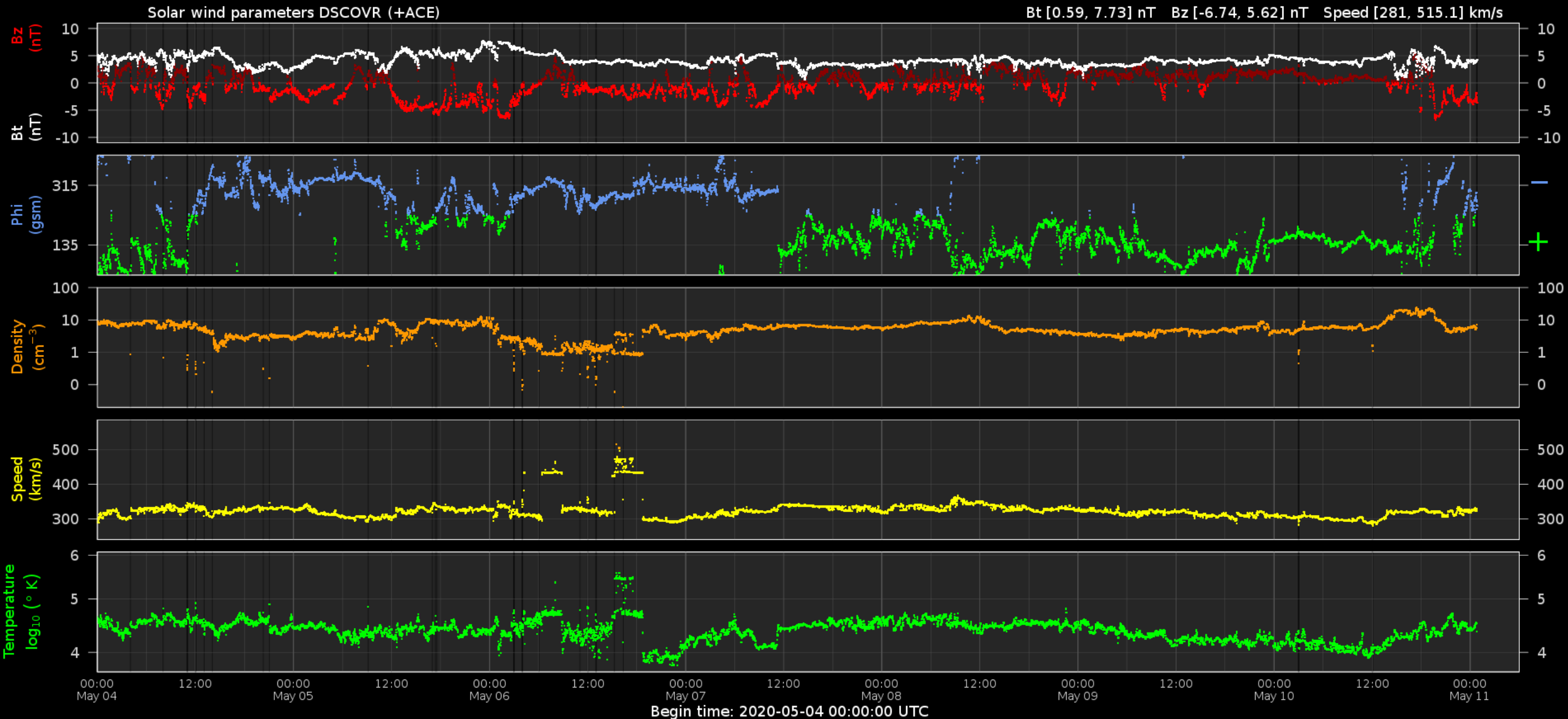


Solar Wind and Geomagnetic Activity

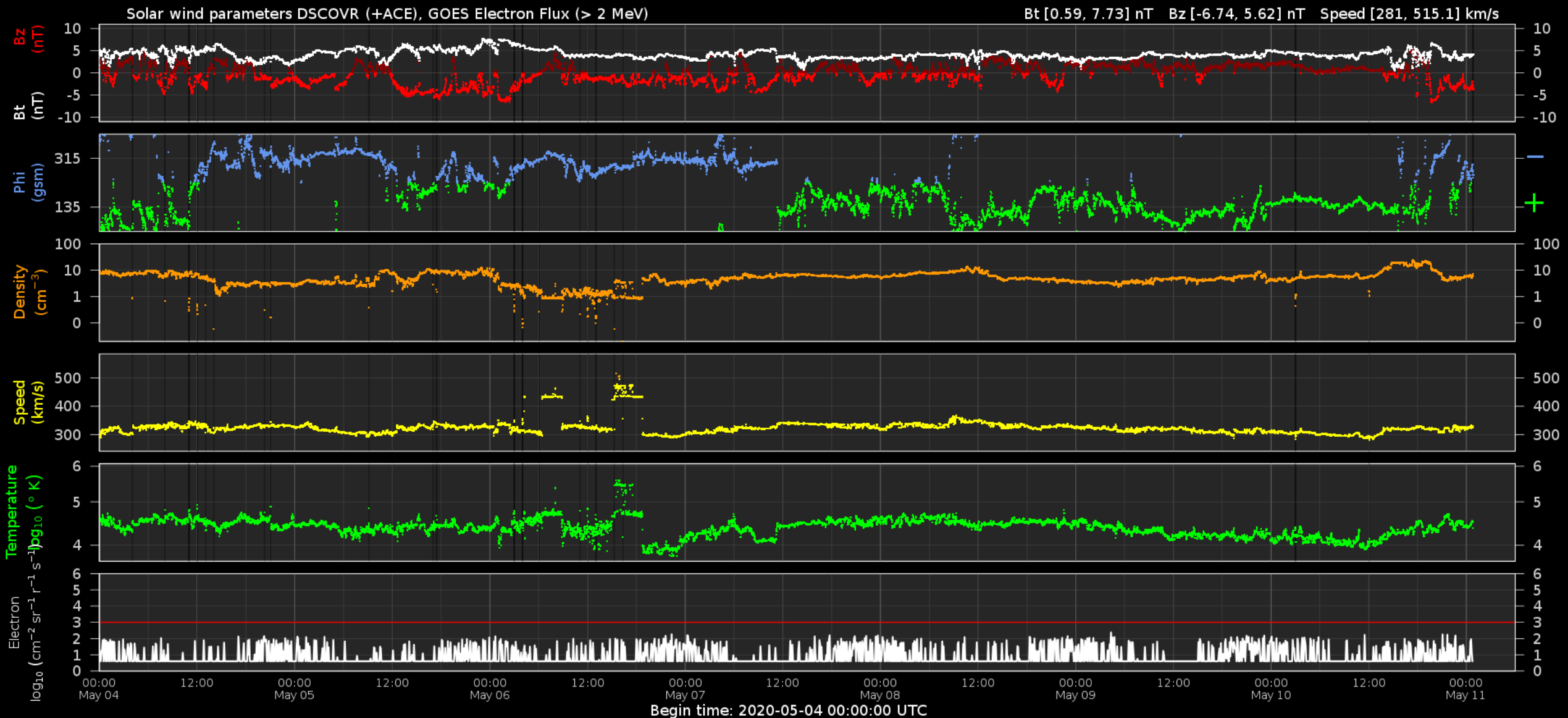


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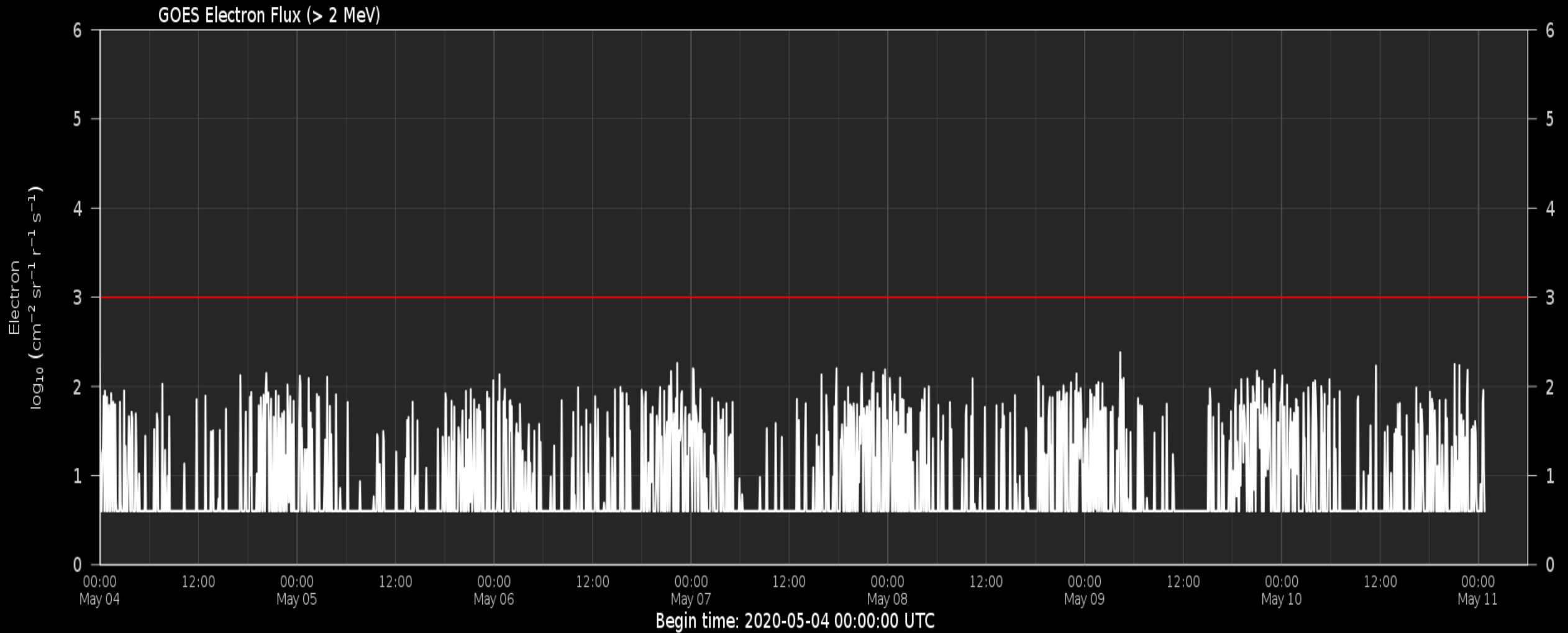
Solar wind parameters (DSCOVR/ACE data)



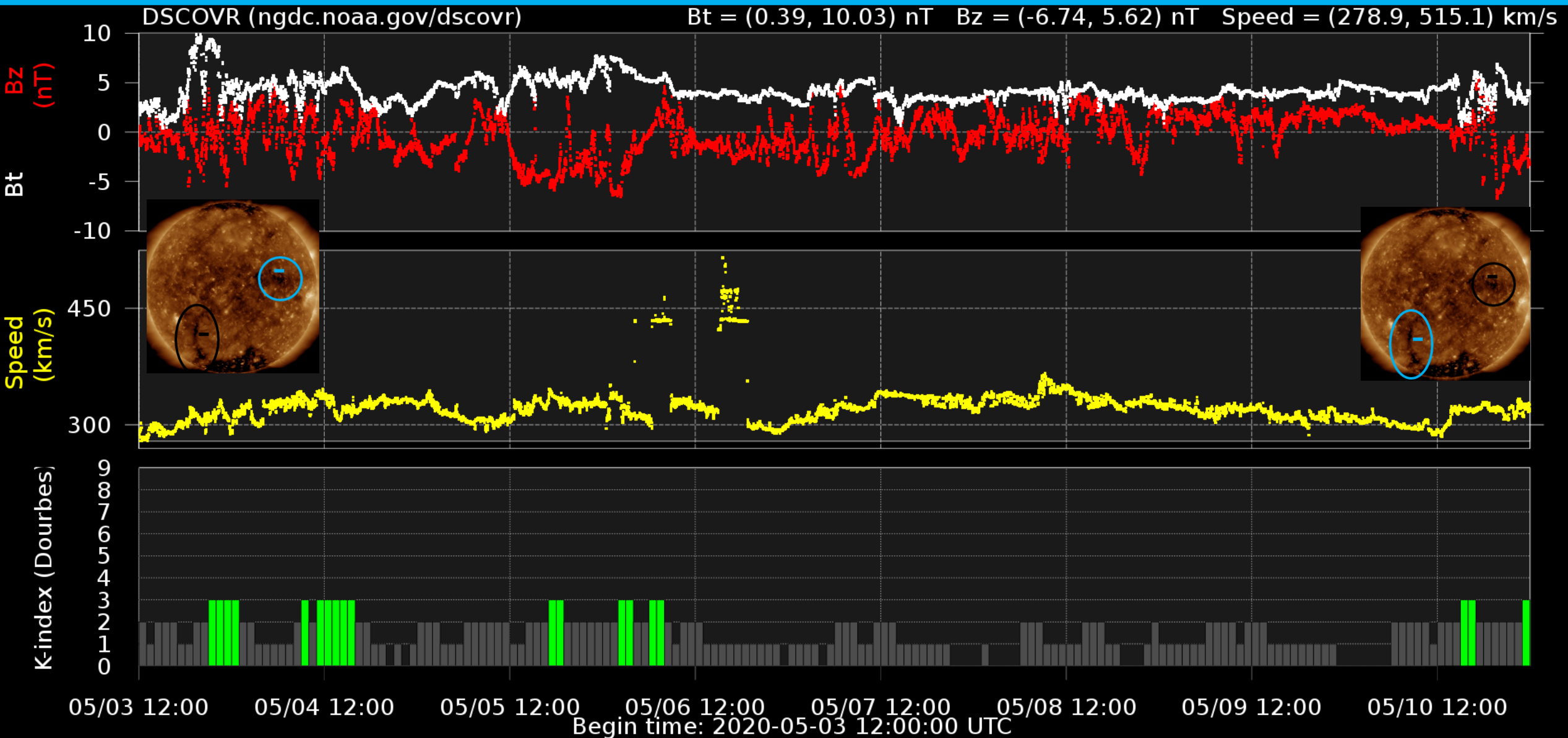
Solar wind parameters & electron flux



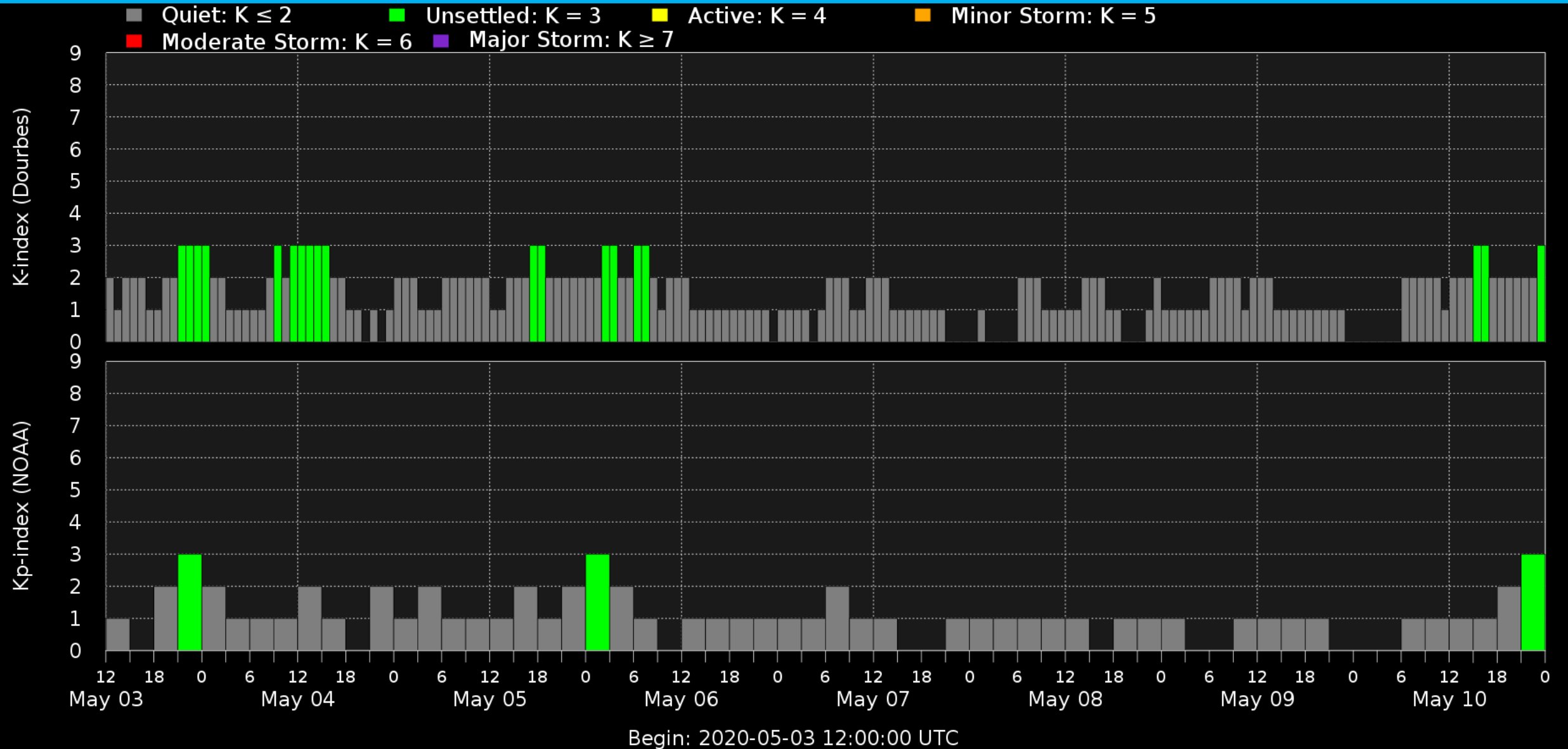
Solar electron flux



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



Geomagnetic activity (K-indexes)



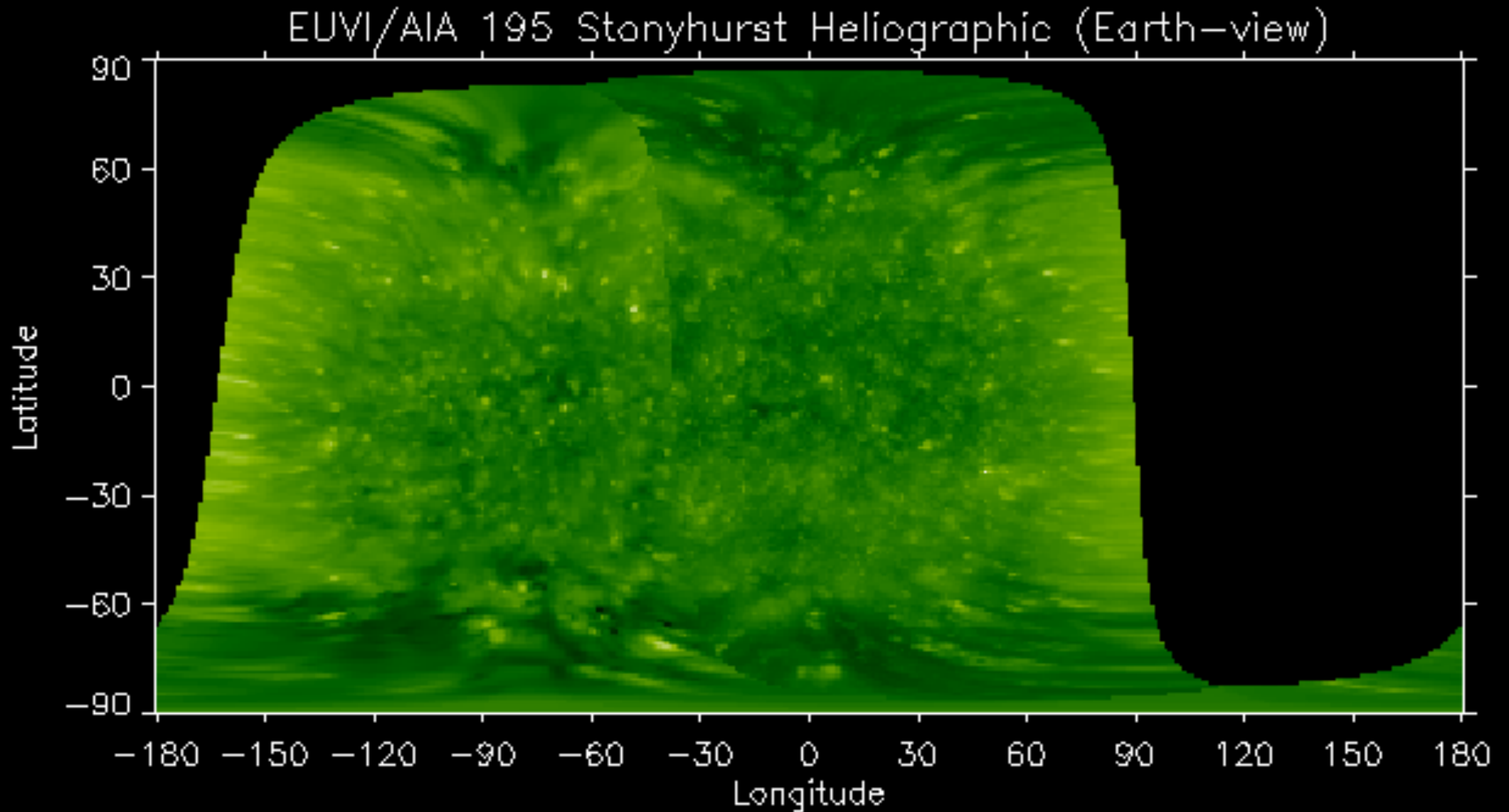
Outlook



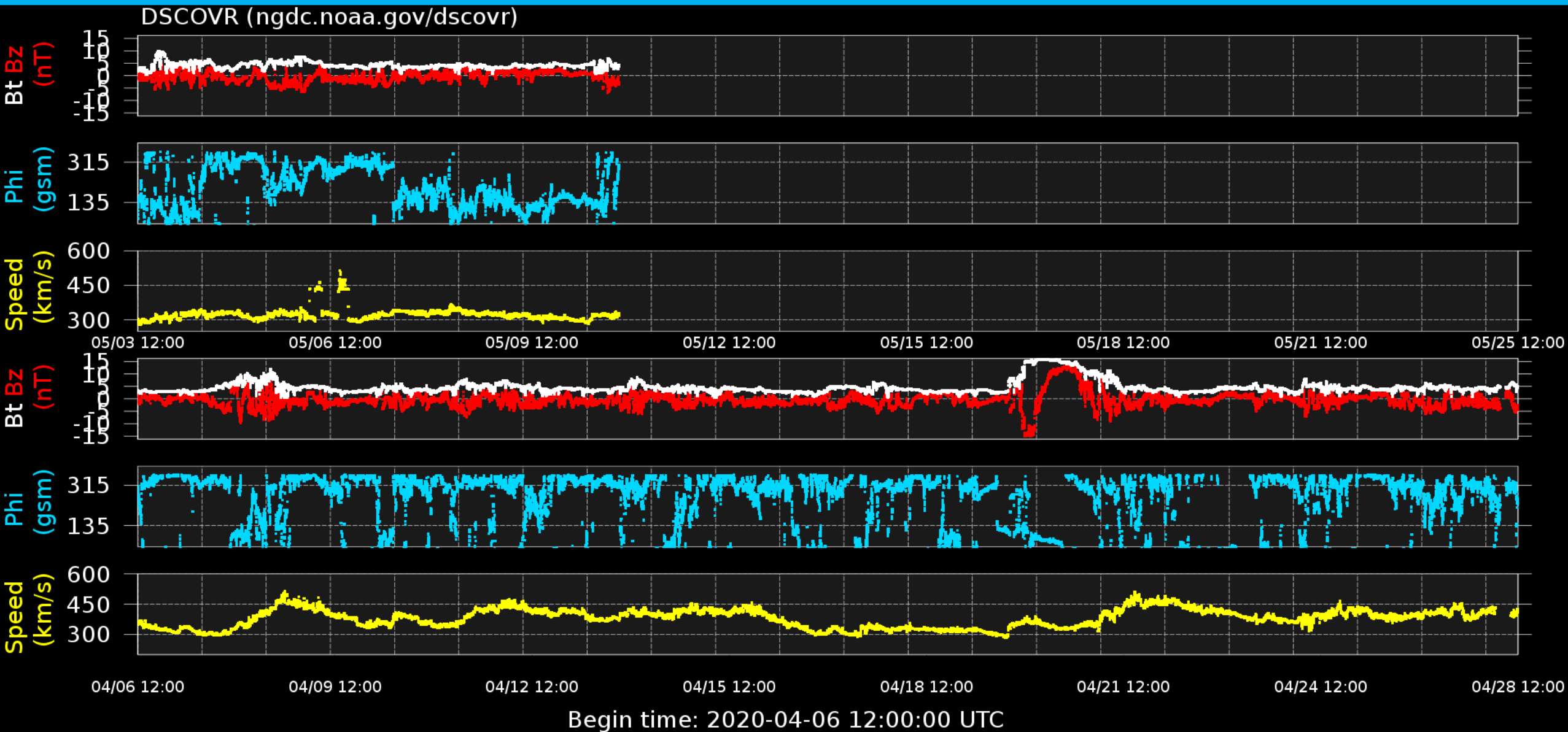
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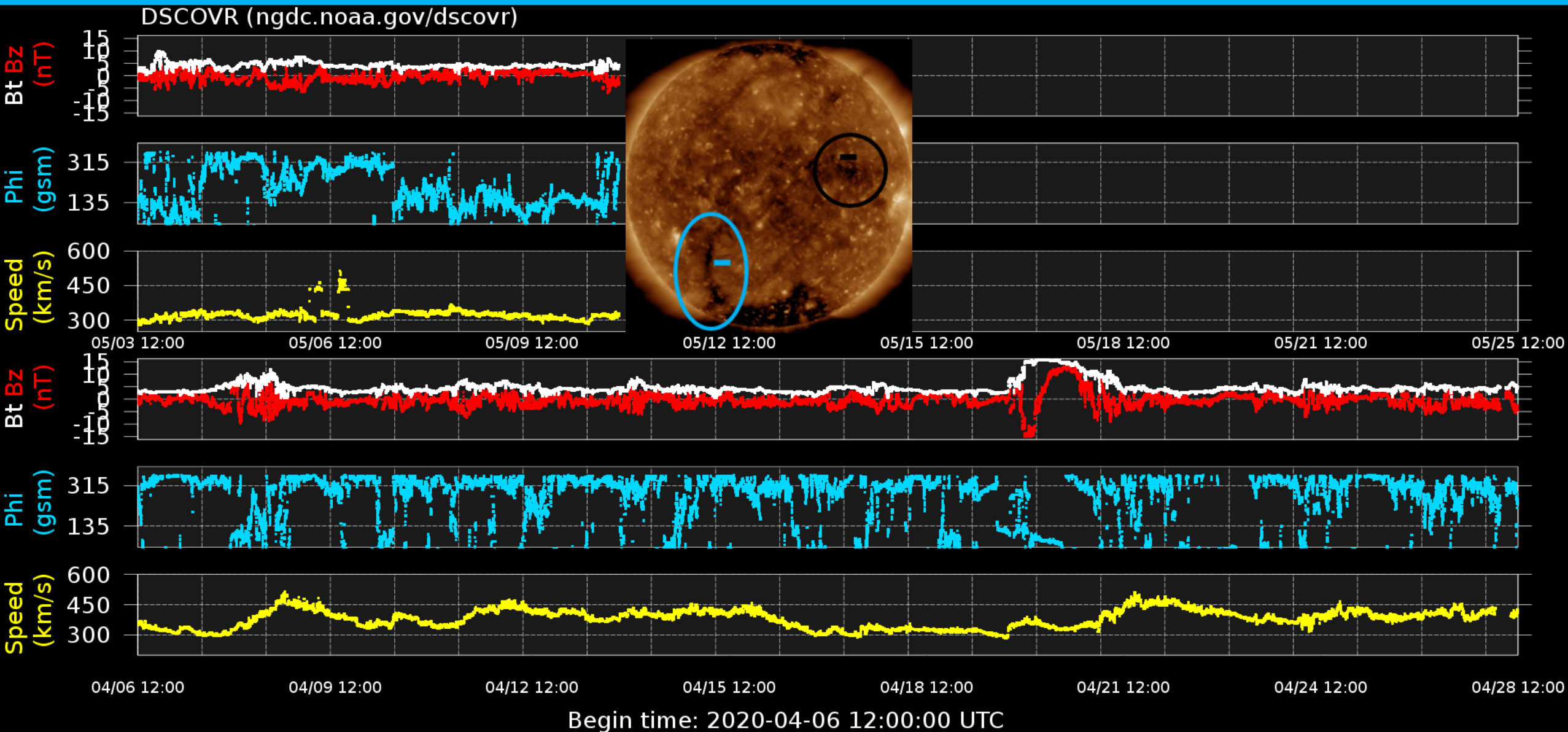
Outlook: Solar activity



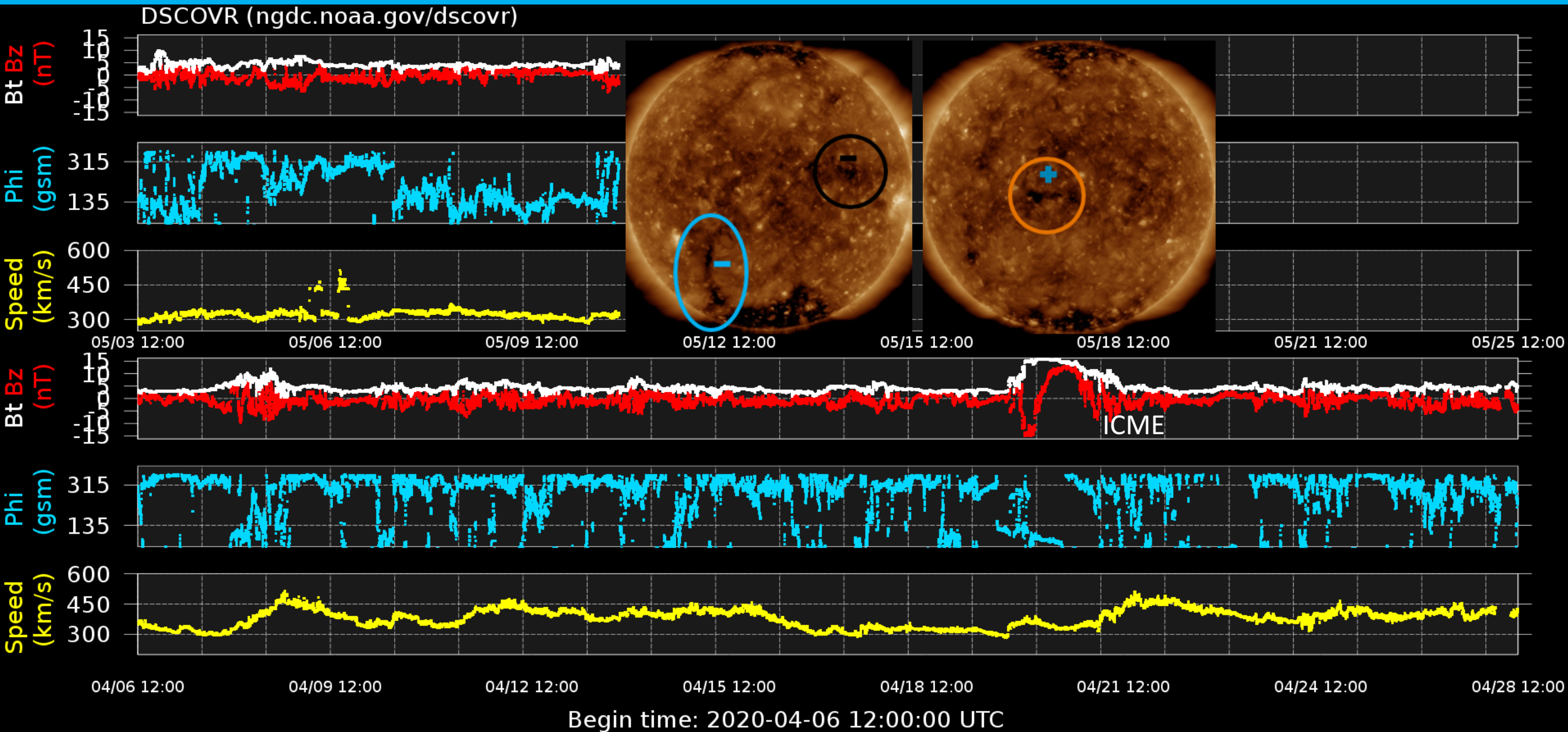
Outlook: Solar wind



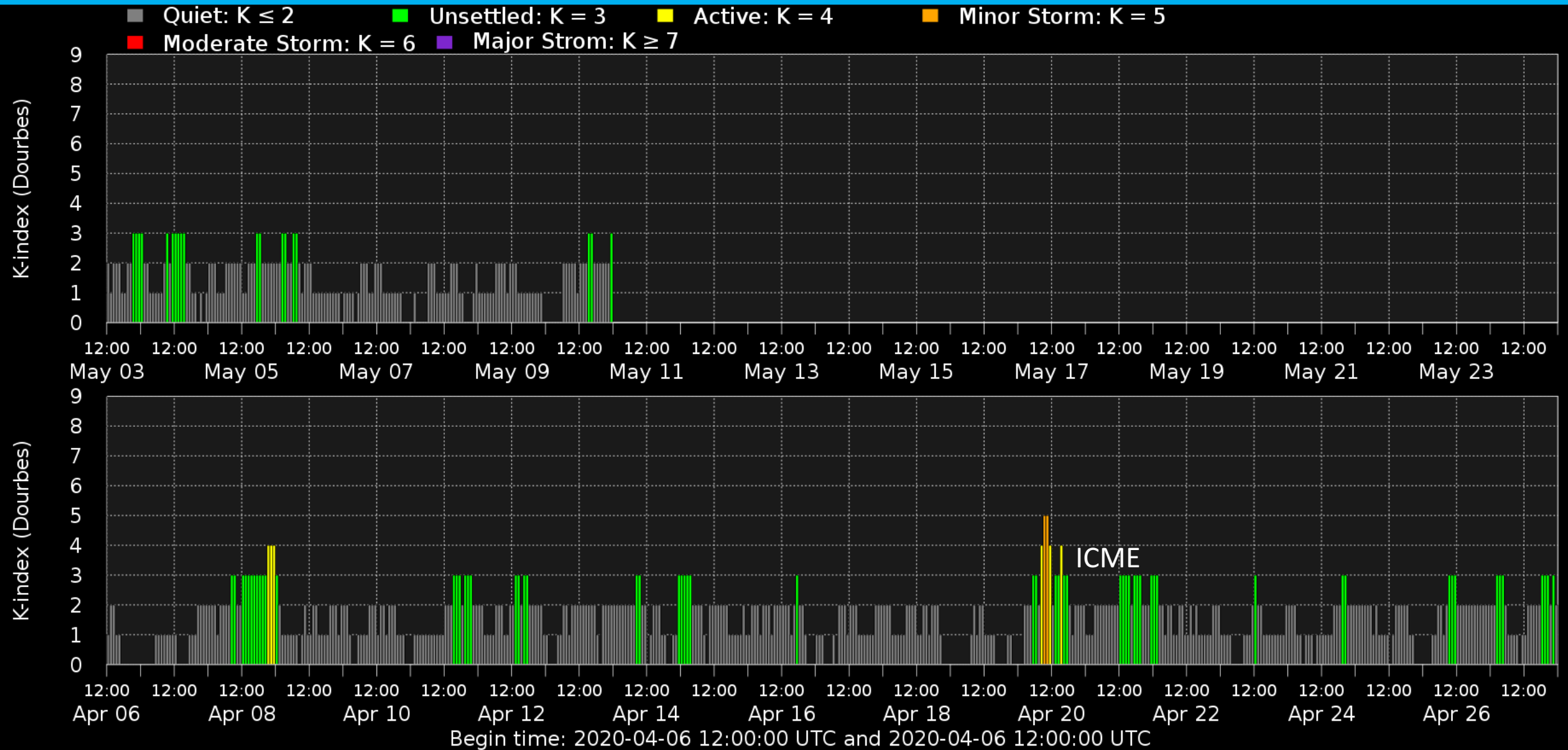
Outlook: Solar wind



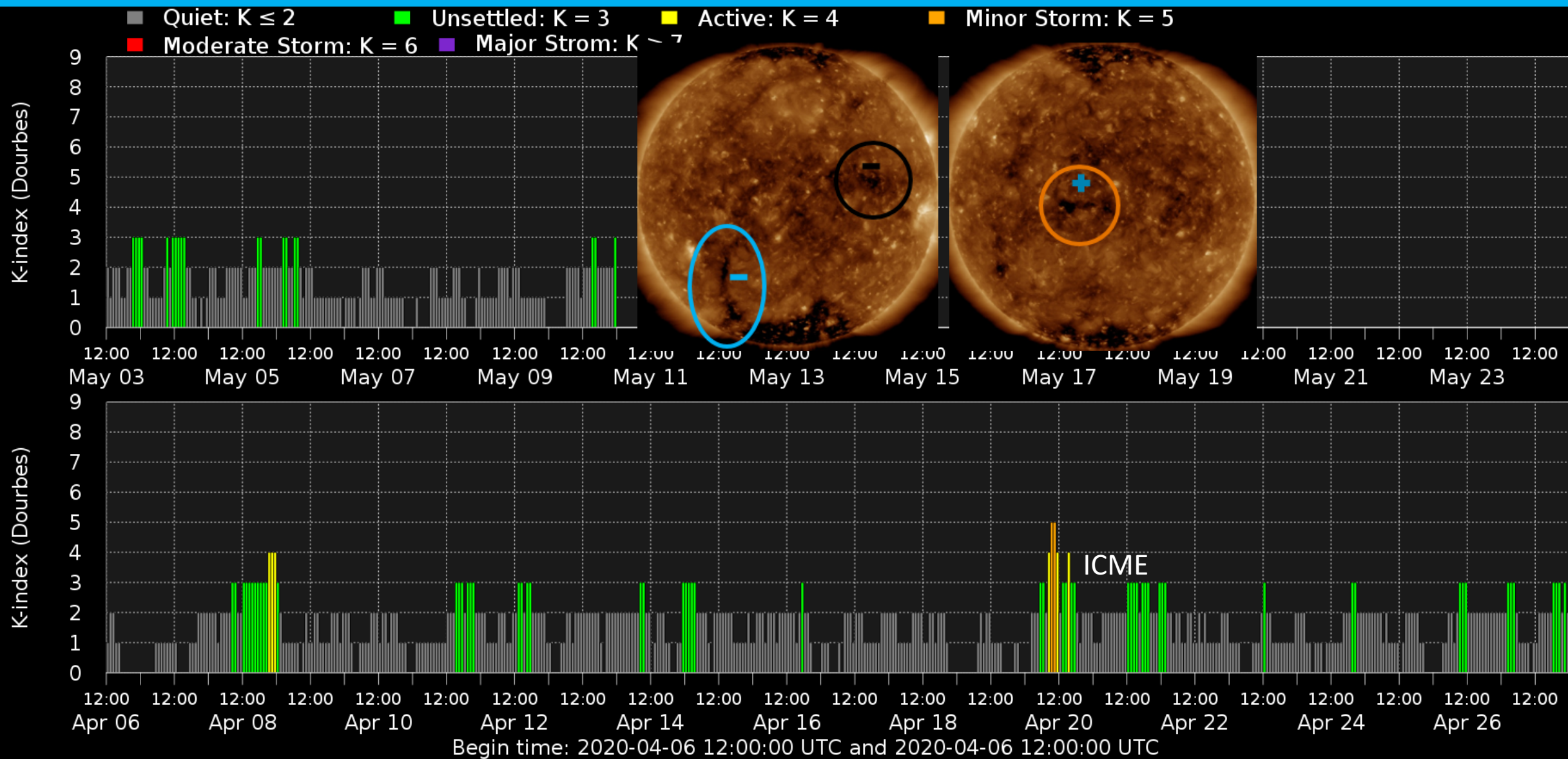
Outlook: Solar wind



Outlook: Geomagnetic activity



Outlook: Geomagnetic activity



SIDC Space Weather Briefing

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