

SIDC Space Weather briefing

January 01-07, 2018

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&
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Solar Influences
Data analysis Centre
www.sidc.be



Royal Observatory
of Belgium

Summary Report

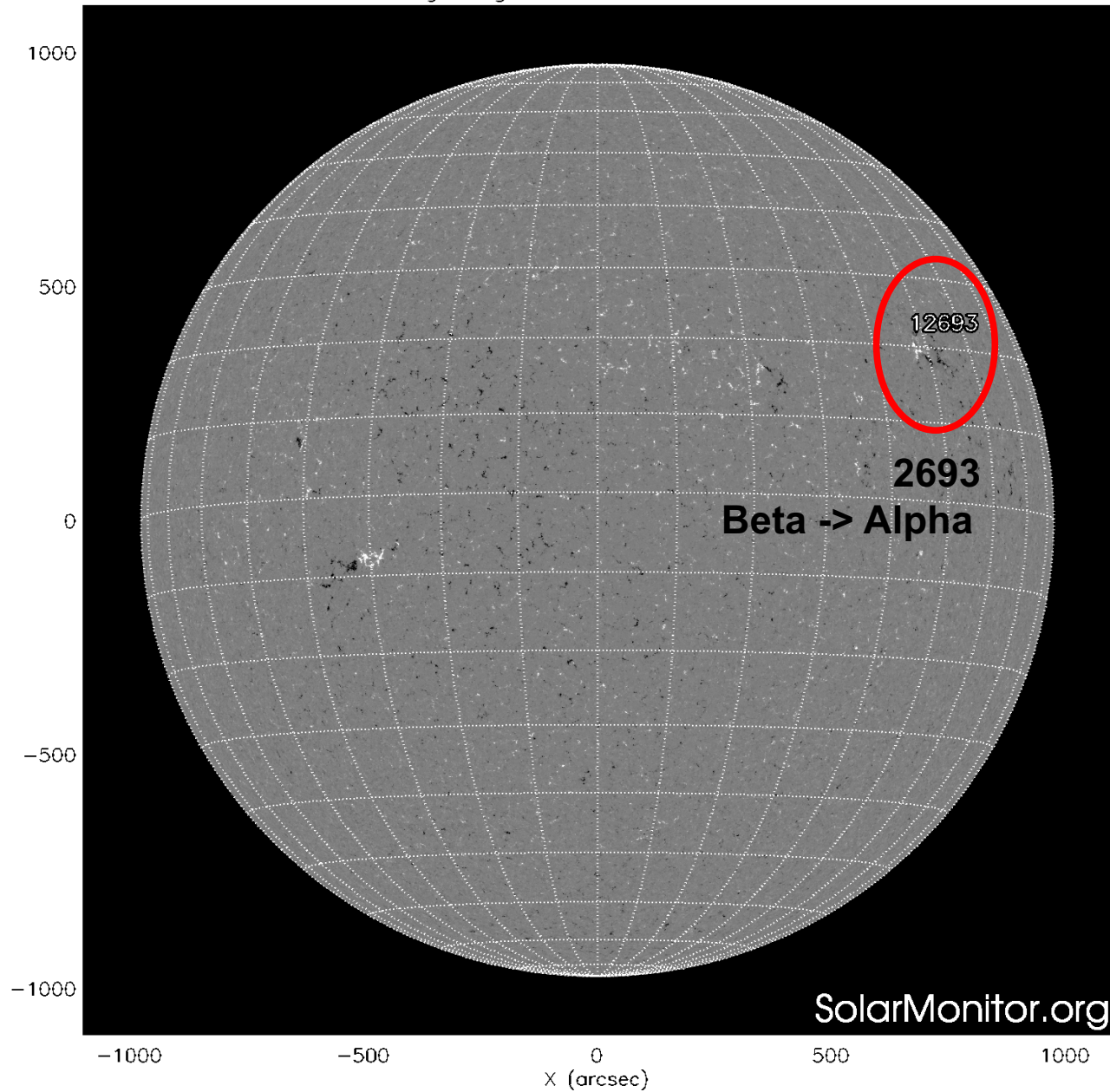
Active Regions	NOAA 2693 (Beta -> Alpha)
<i>Flaring</i>	<i>None</i>
<i>CMEs</i>	<i>None</i>
<i>Filaments</i>	<i>No eruption</i>
<i>Proton Event</i>	<i>None</i>

SW conditions	Max solar wind speed: 491 km/s (CIR)
Coronal Hole	One northern polar CH extension reaching central meridian on Jan 04
Shock	One shock today at 5:55 UT
<i>ICME</i>	<i>None</i>
Kp index	Kp=4 and K-Dourbs=3

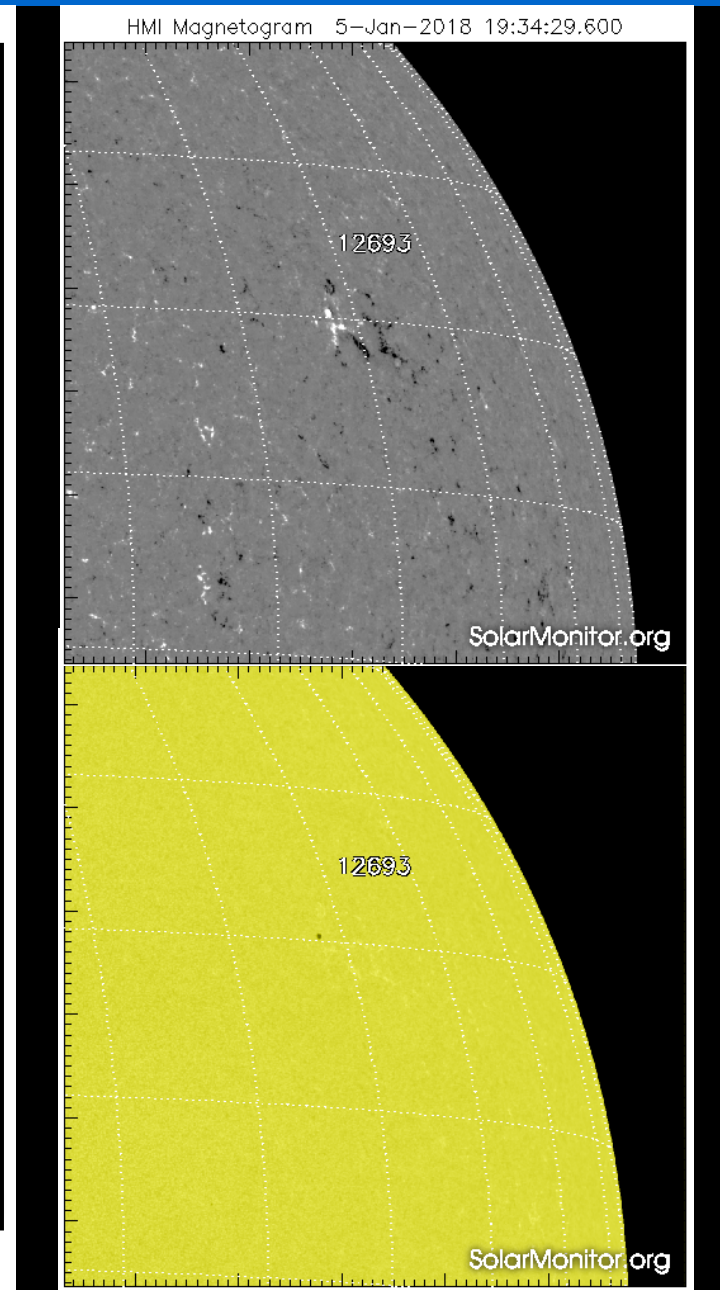
ALL QUIET ALERT from January 02 to 07

Solar active region evolution

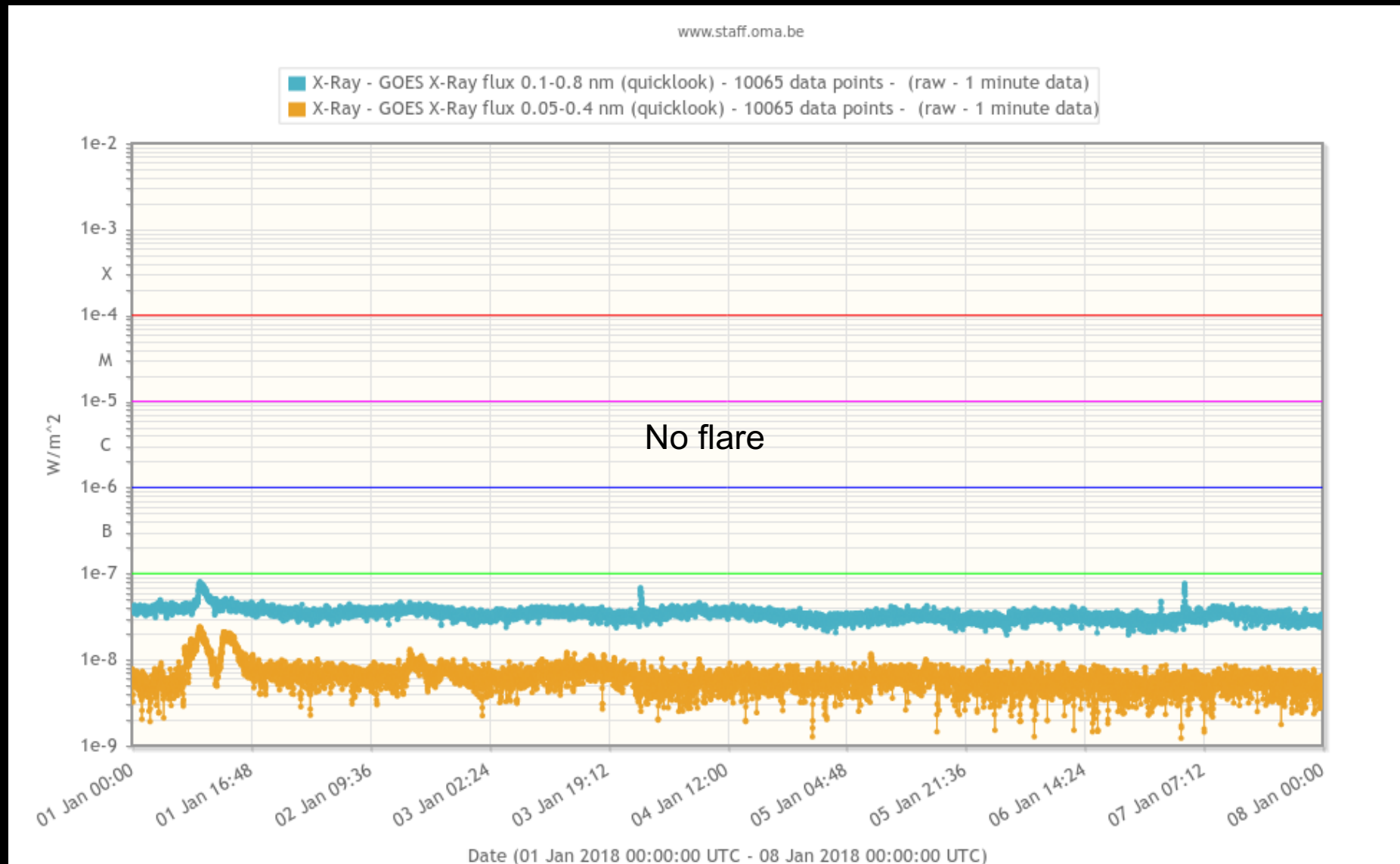
SDO HMI Magnetogram 5-Jan-2018 19:34:29.600



HMI Magnetogram 5-Jan-2018 19:34:29.600

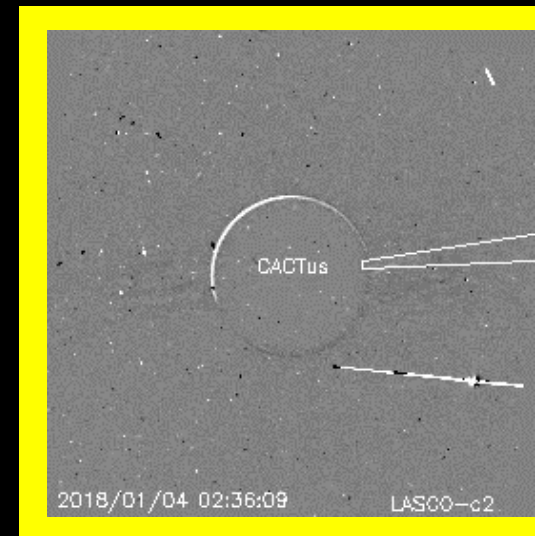


Solar X-ray flux and flaring



CMEs

No CME



(Not a CME)

00:18 01/08
21:17 01/07
18:00 01/07
15:12 01/07
11:24 01/07
08:24 01/07
05:42 01/07
03:12 01/07
00:18 01/07
21:36 01/06
18:48 01/06
16:24 01/06
13:36 01/06
10:24 01/06
07:48 01/06
05:24 01/06
02:48 01/06
23:48 01/05
20:48 01/05
18:00 01/05
14:24 01/05
11:36 01/05
08:24 01/05
05:24 01/05
00:48 01/05
21:36 01/04
18:36 01/04
15:42 01/04
12:24 01/04
09:36 01/04
06:36 01/04
03:48 01/04
00:24 01/04
22:00 01/03
19:00 01/03
16:24 01/03
13:25 01/03
10:24 01/03
07:24 01/03
04:36 01/03
01:36 01/03
21:48 01/02
19:12 01/02
16:00 01/02
12:24 01/02
09:48 01/02
06:48 01/02
04:00 01/02
00:36 01/02
21:38 01/01
18:36 01/01
15:36 01/01
12:12 01/01

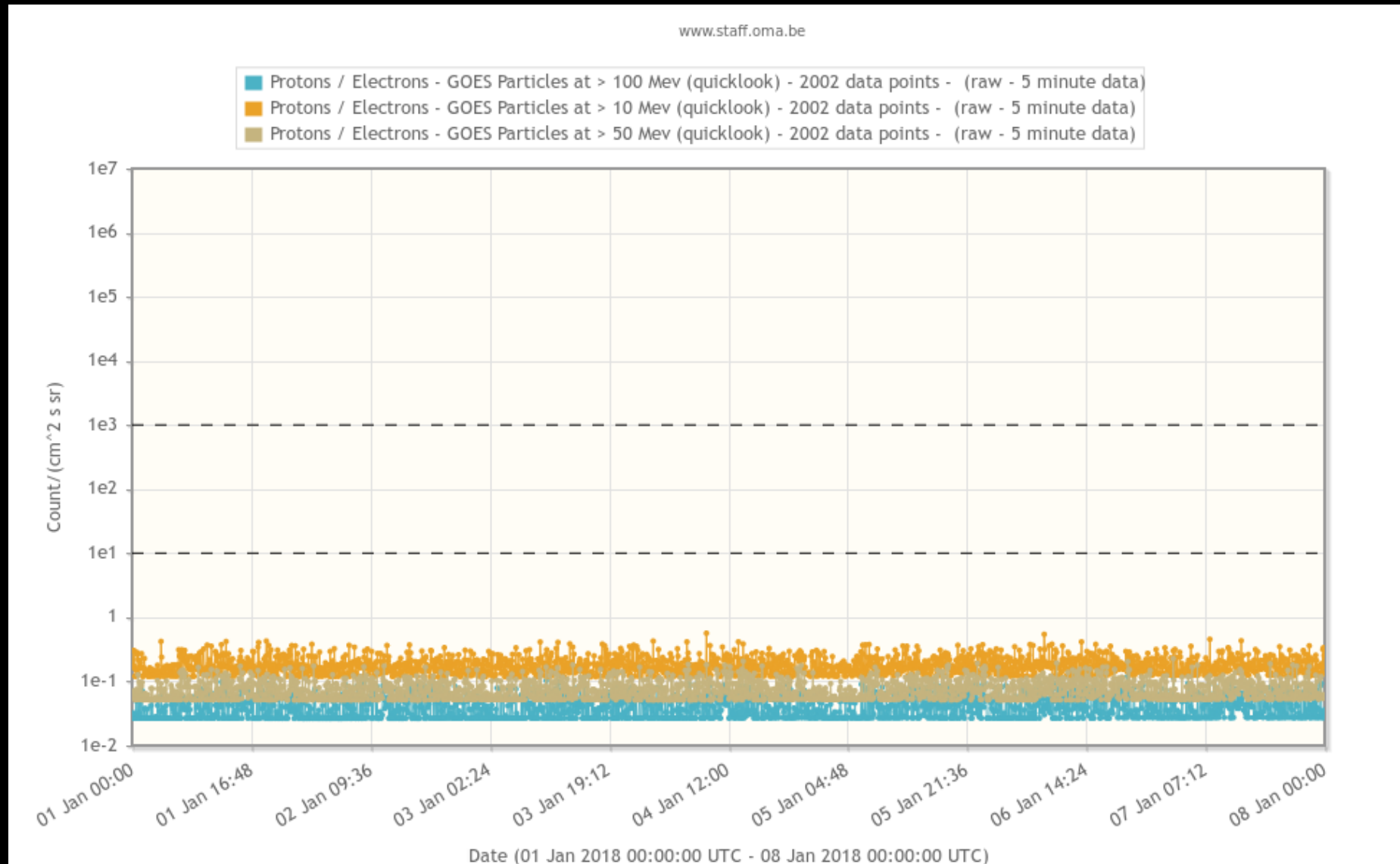
S

W

N

FF

Energetic particles



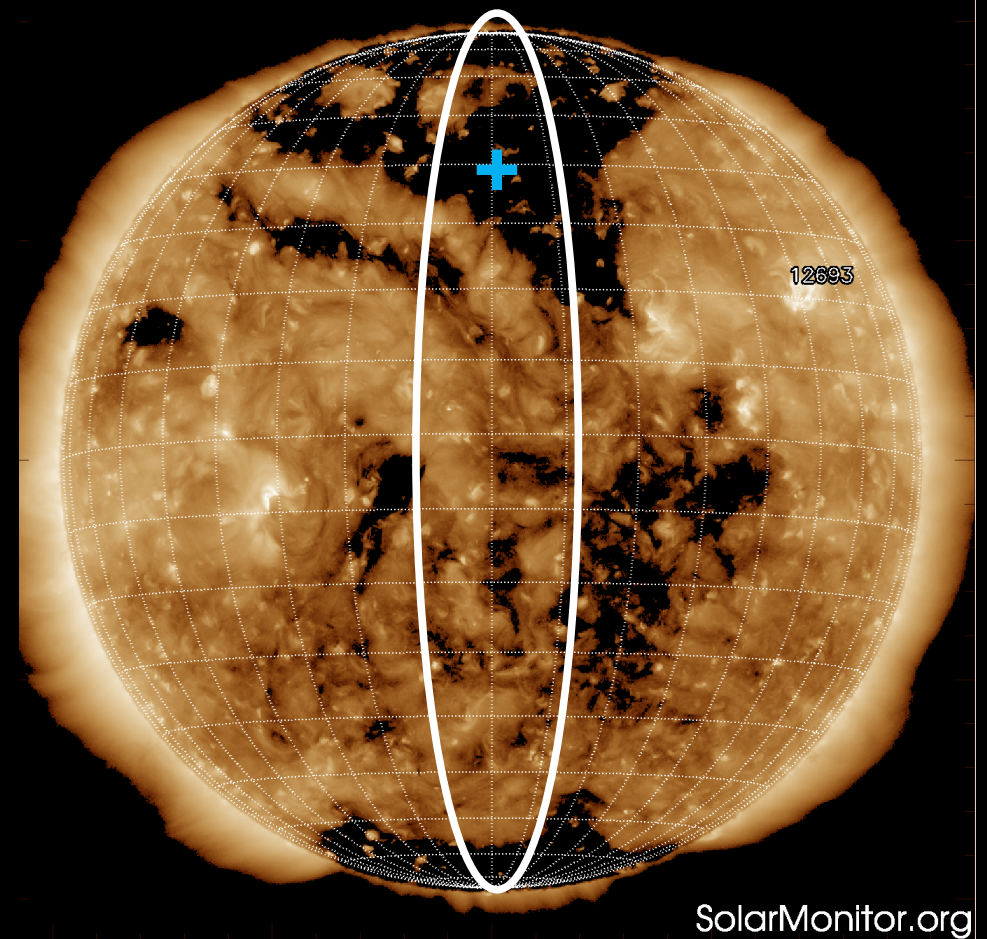
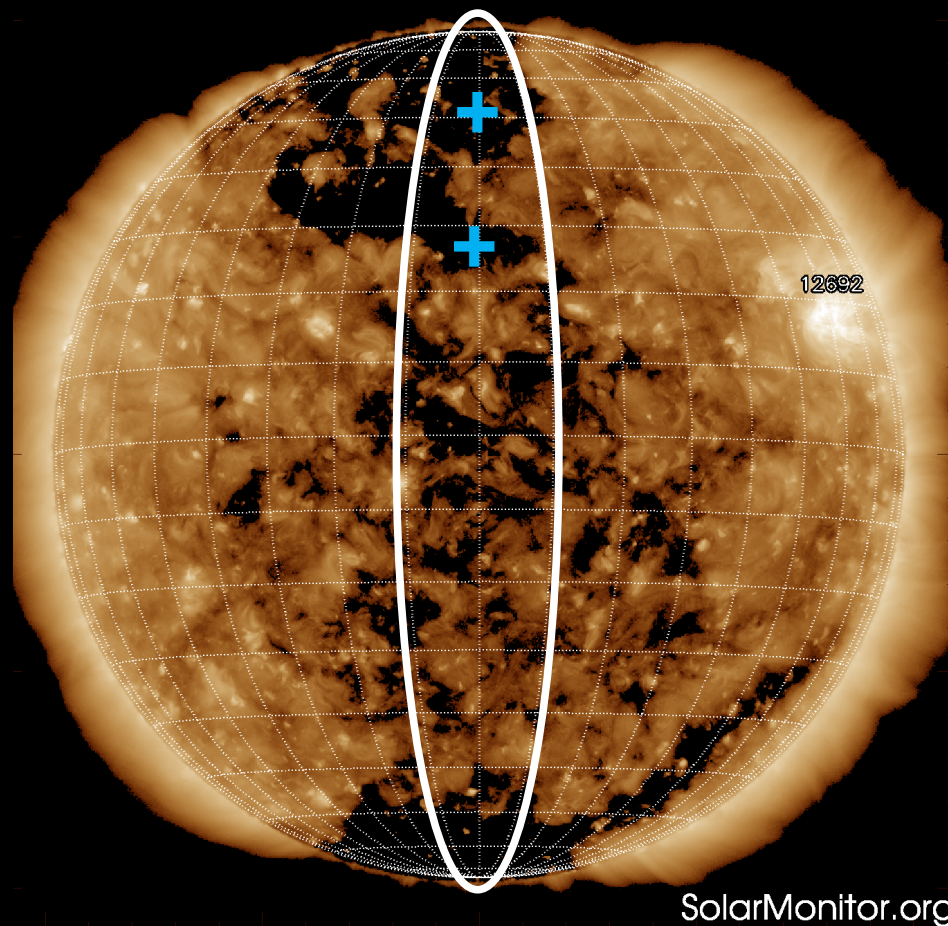
Coronal holes

Last week

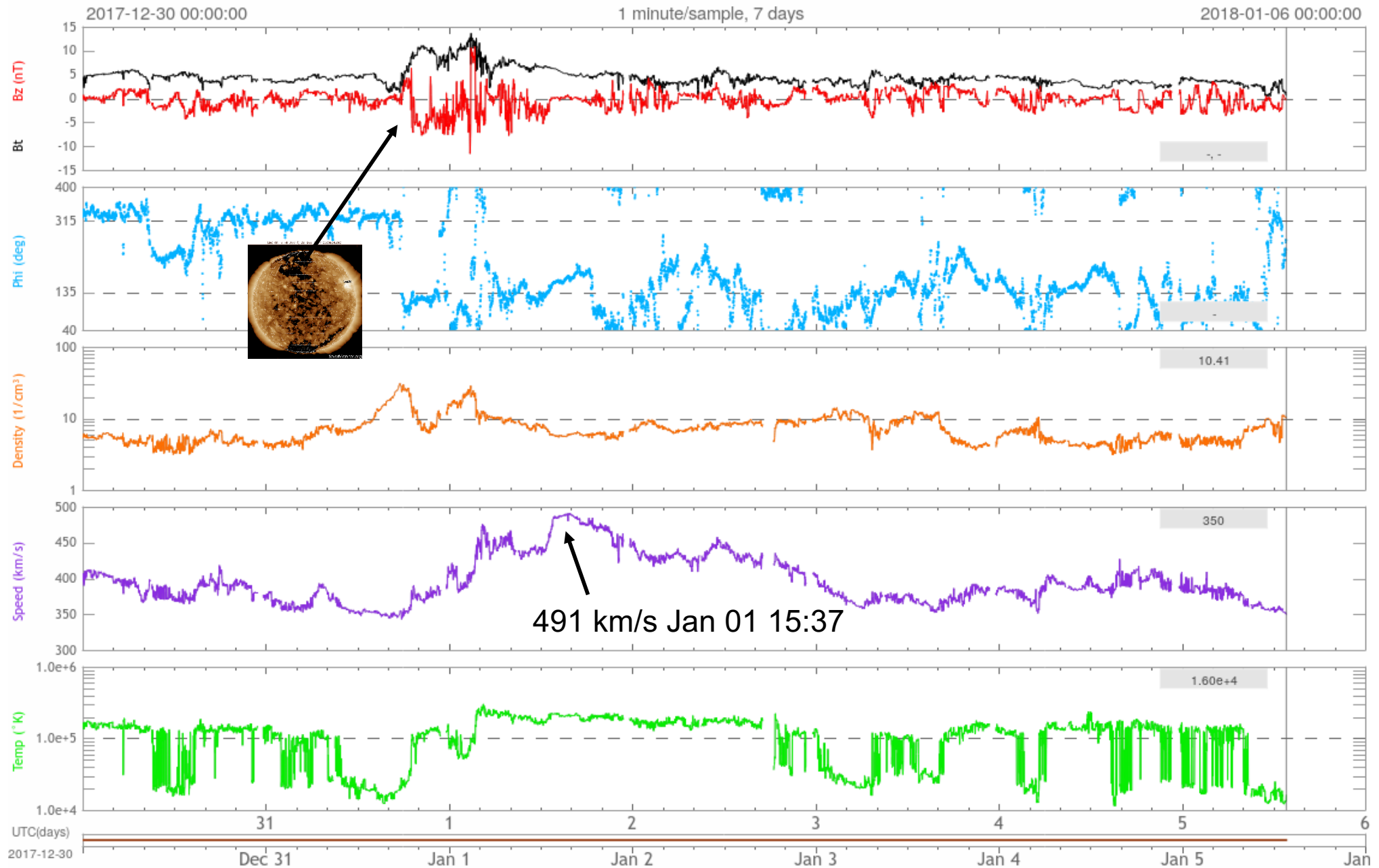
This week

SDO AIA Fe XII (193 Å) 28-Dec-2017 20:24:04.840

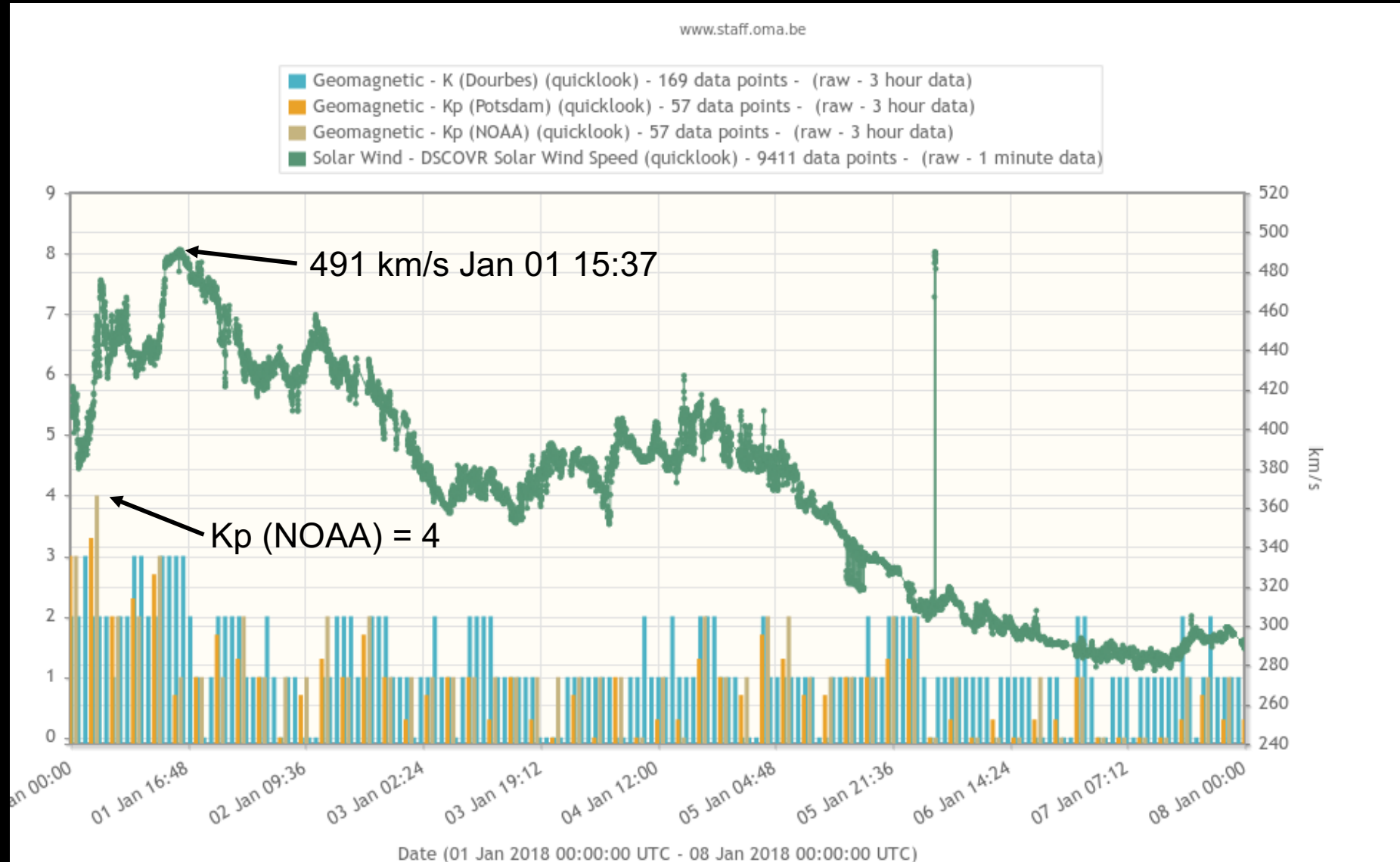
SDO AIA Fe XII (193 Å) 5-Jan-2018 20:27:40.840



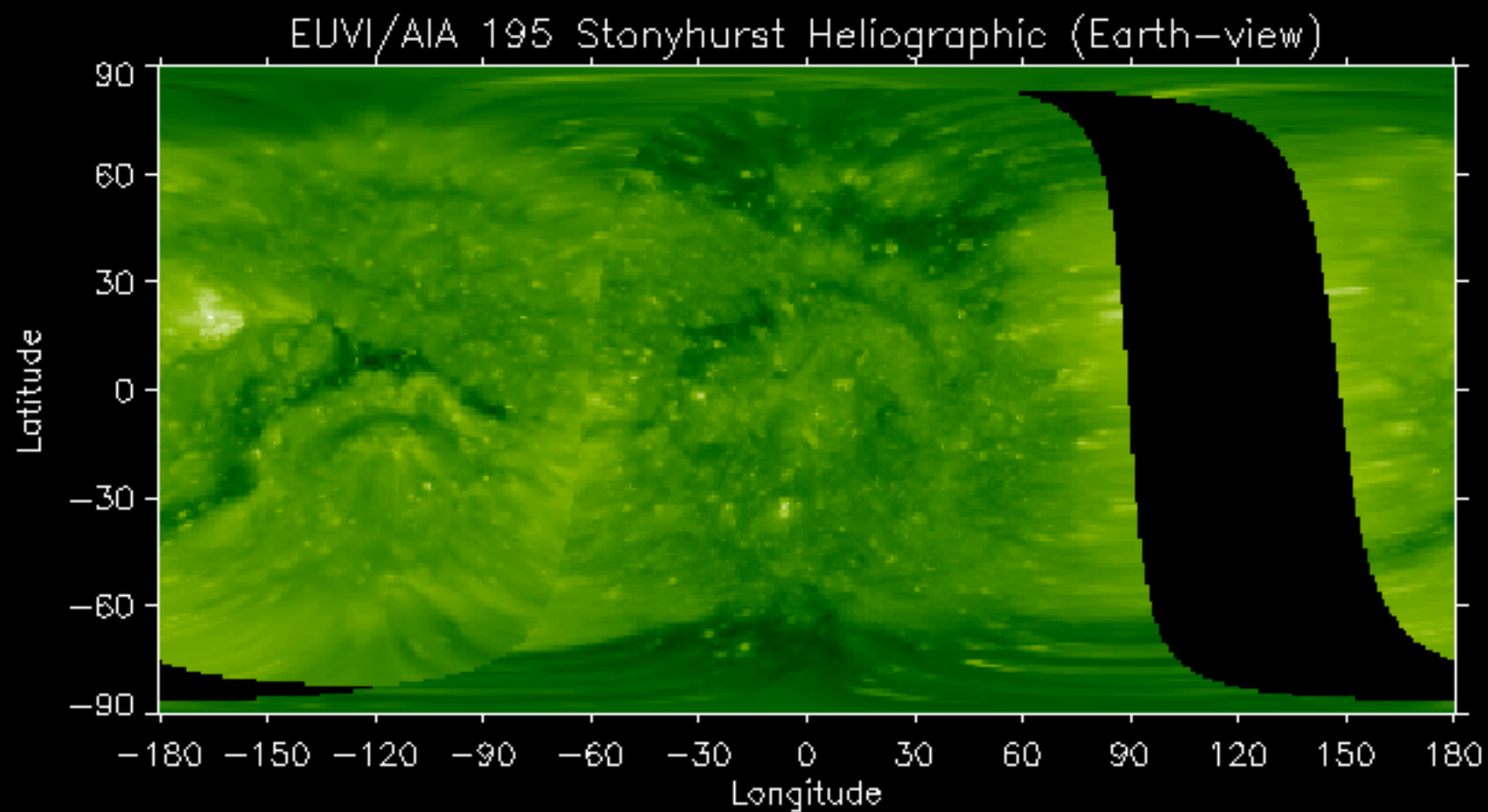
Solar wind



Geomagnetism



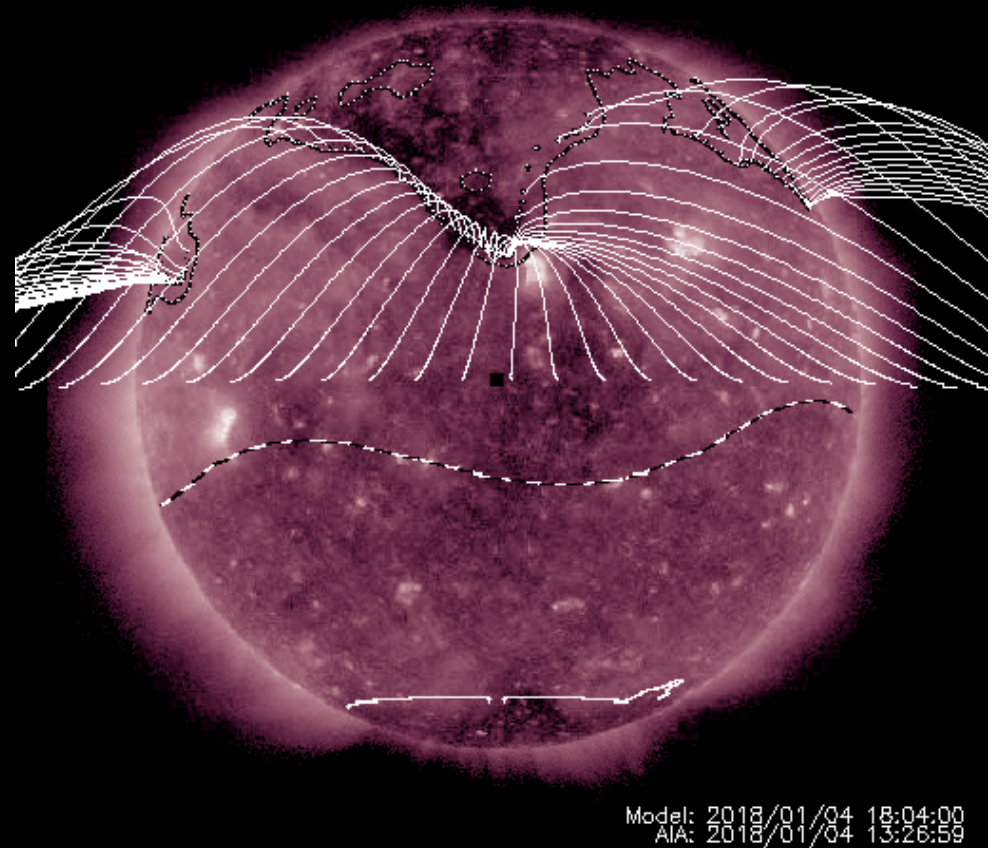
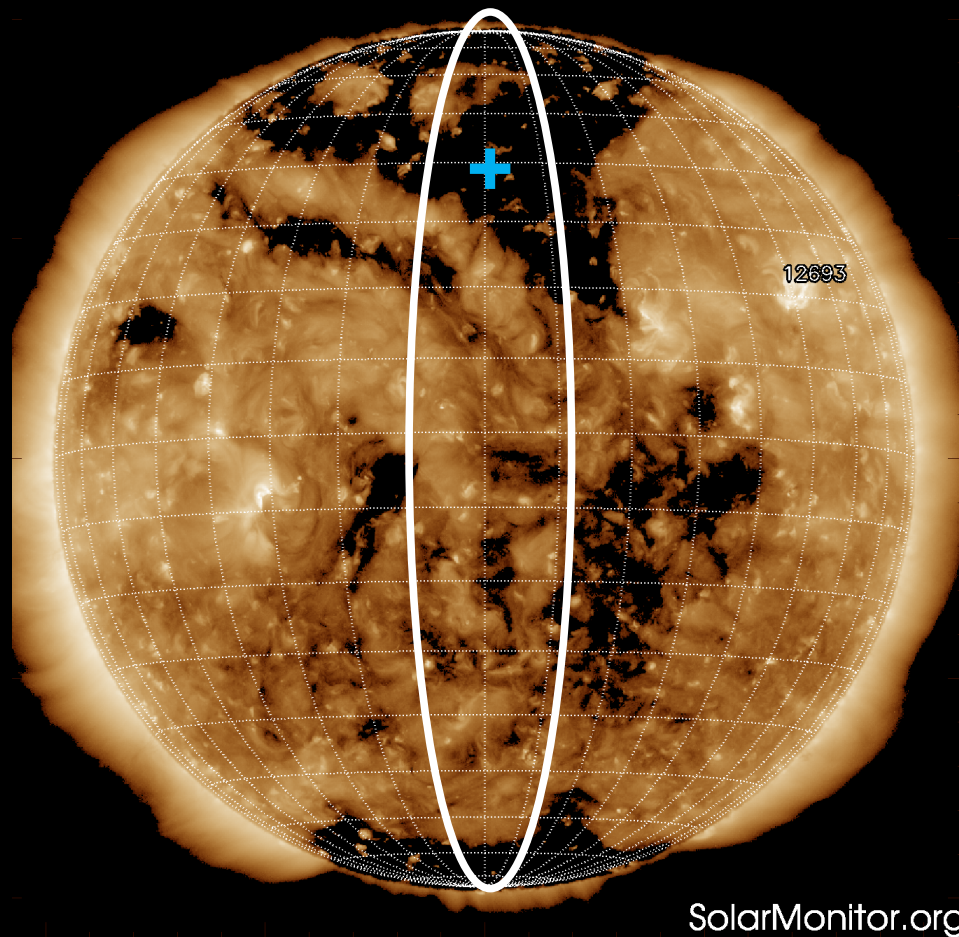
Outlook



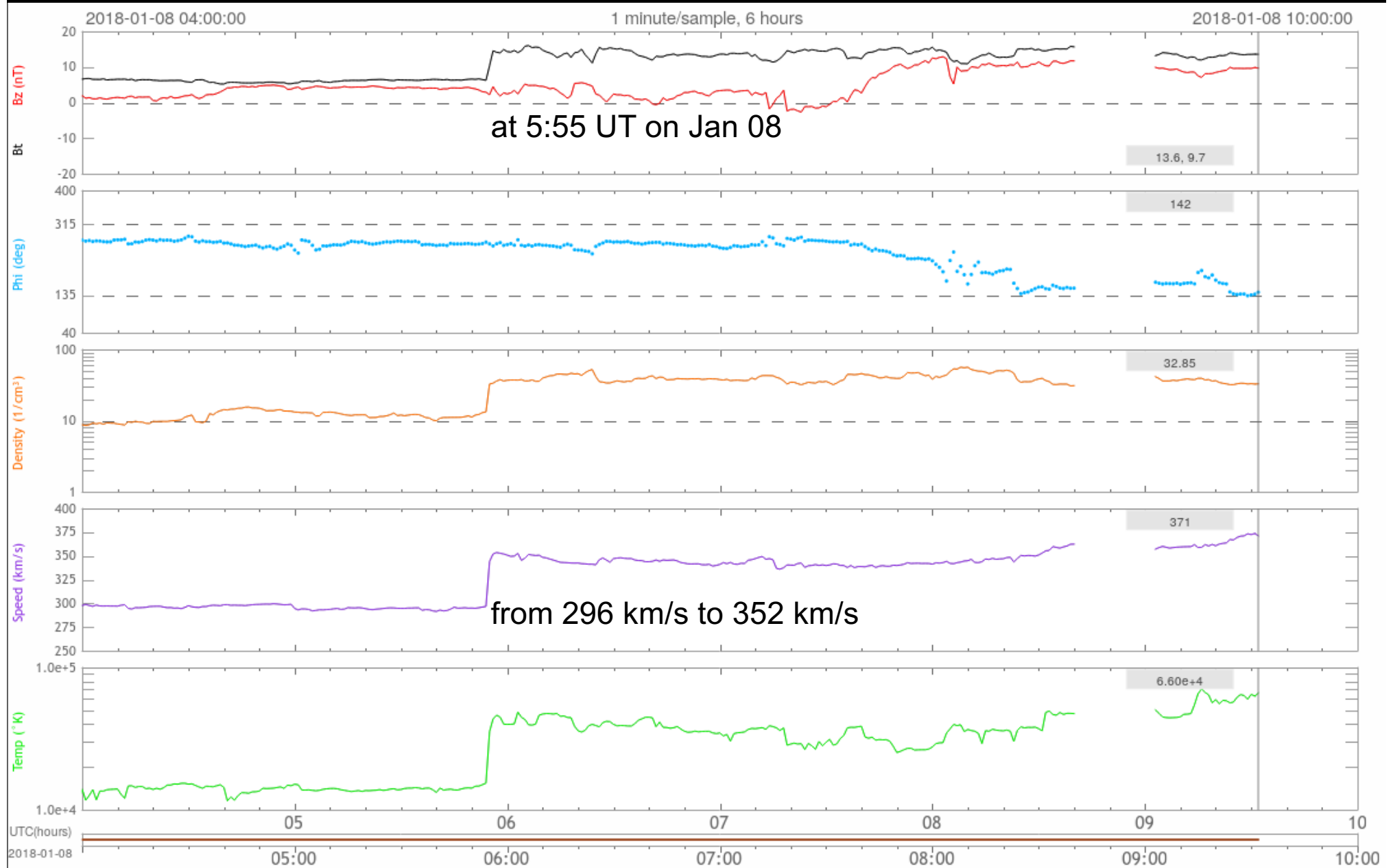
Outlook

This week

SDO AIA Fe XII (193 Å) 5-Jan-2018 20:27:40.840



Outlook



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See you at our next briefing!

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