

SIDC Space Weather briefing

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8 April – 15 April 2018

SIDC forecaster team

Solar Influences
Data analysis Centre
www.sidc.be



Royal Observatory
of Belgium

Summary Report

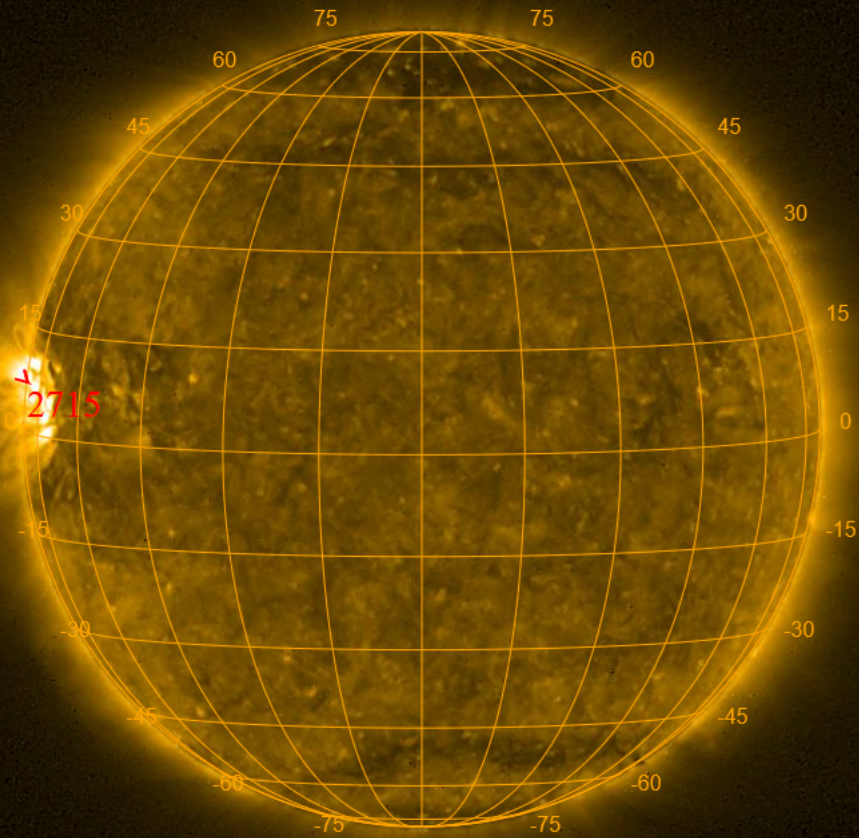
Active Regions	Only one Catania sunspot group
Flaring	Only one B1.5 class flare
Filaments	Few tiny filaments at western limb
CMEs	No Geoeffective CMEs
Proton Events	None

ICME	Two ICMEs
Coronal Hole	Marginal negative polarity CH, 13 July
SW conditions	Quiet: 400-500 km/s
Kp index	Kp = 0-3, K Dourbes = 0-3

Solar active region evolution

Catania sunspot groups
No observation

NOAA AR/sunspot
NOAA Halpha plage
NOAA expected region
No observation

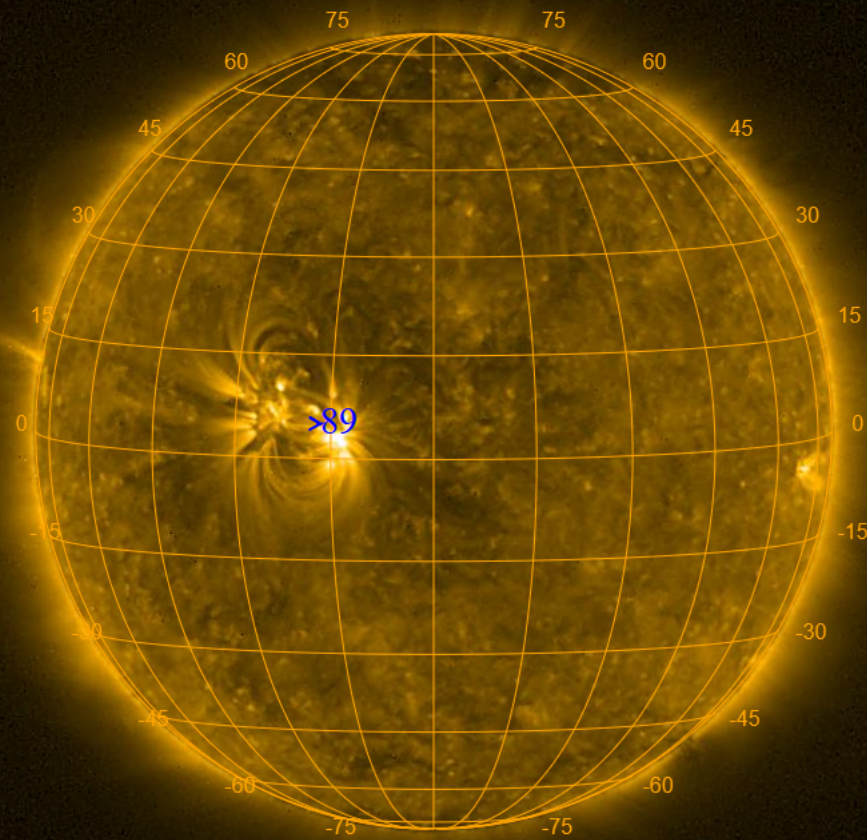


Start of the week

Solar active region evolution

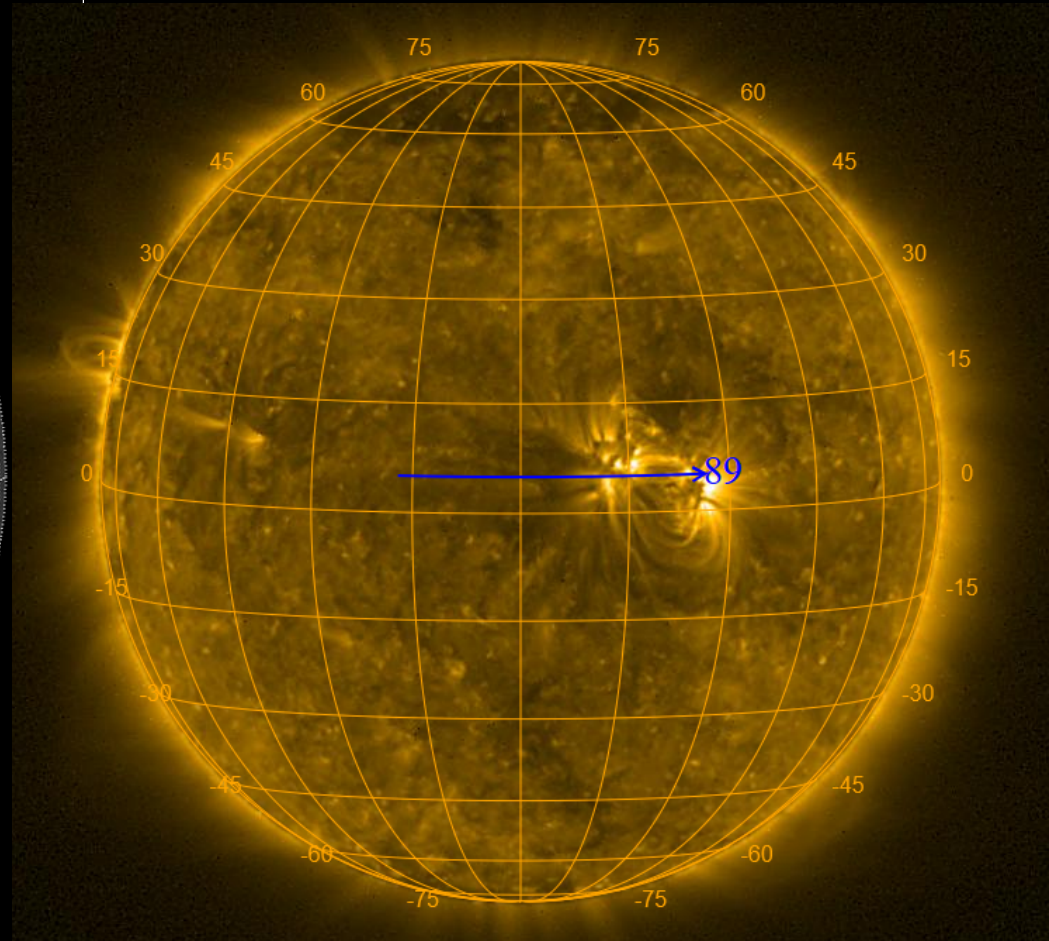
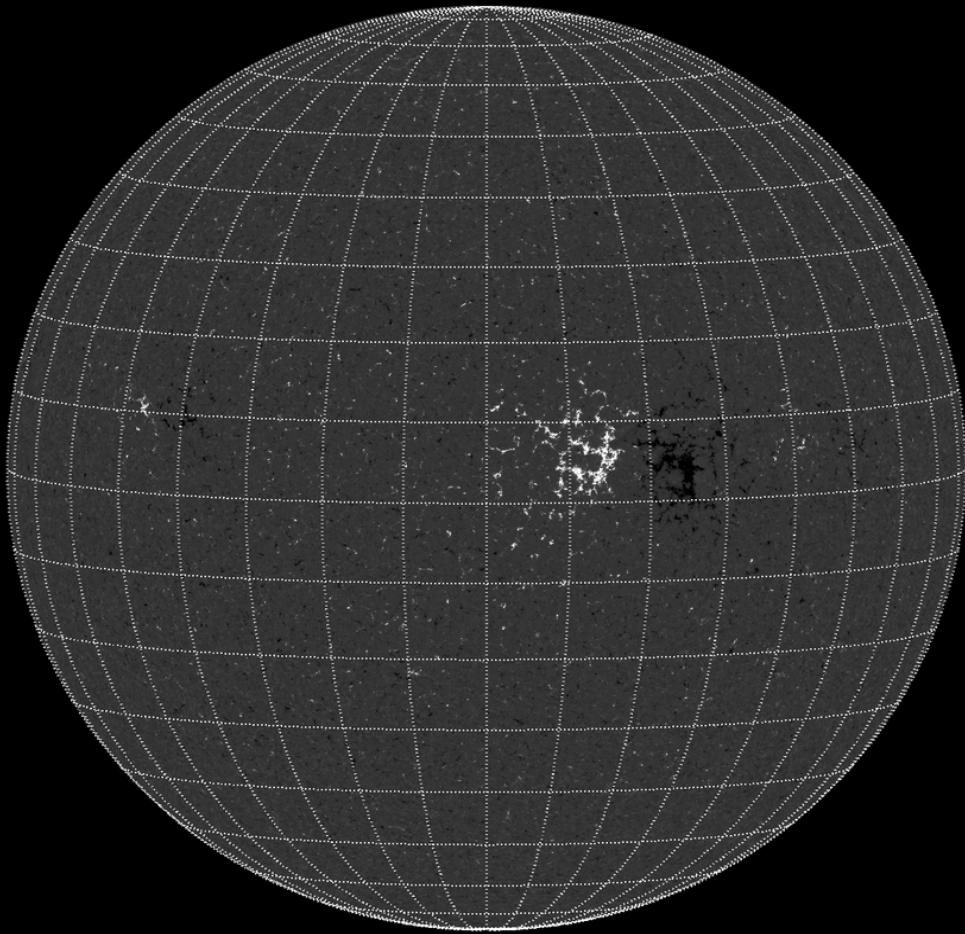
Catania sunspot groups
2018-07-13 06:00:00

NOAA AR/sunspot
NOAA Halpha plage
NOAA expected region
No observation



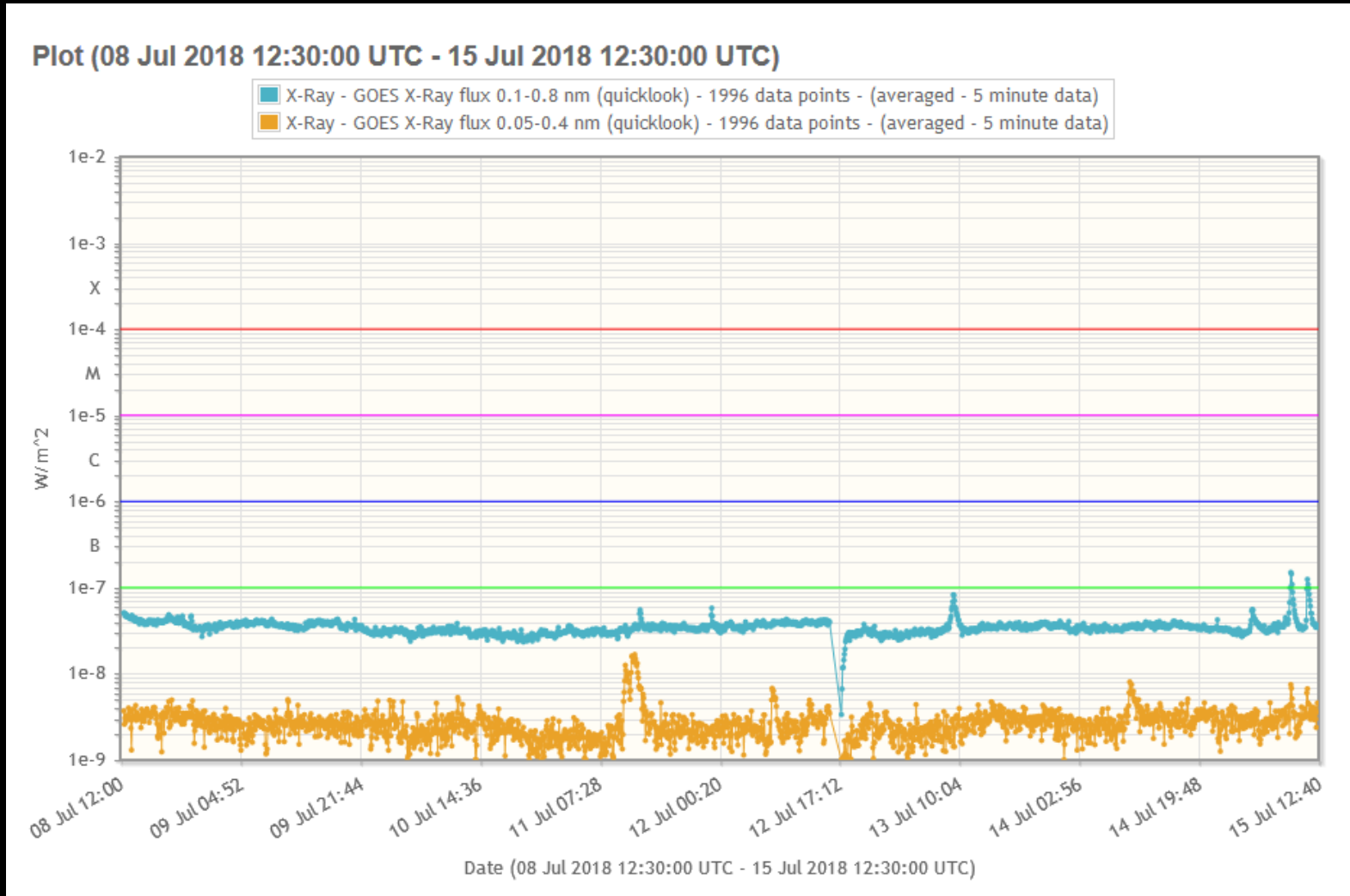
13 July

Solar active region evolution



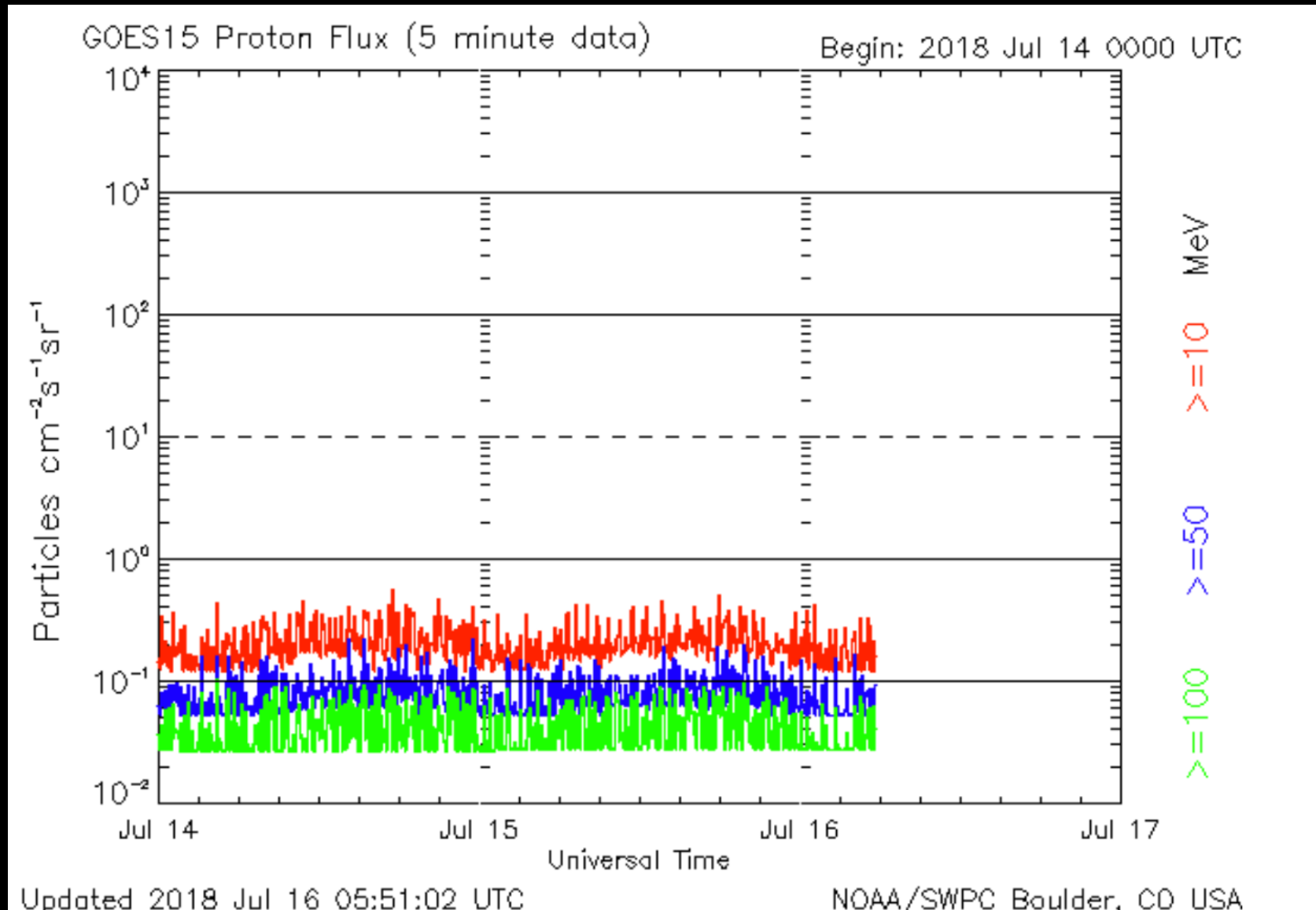
16 July

Solar X-ray flux



B1.5 and B.13 flare 15 July

≥ 10 MeV proton flux (GOES)



quiet

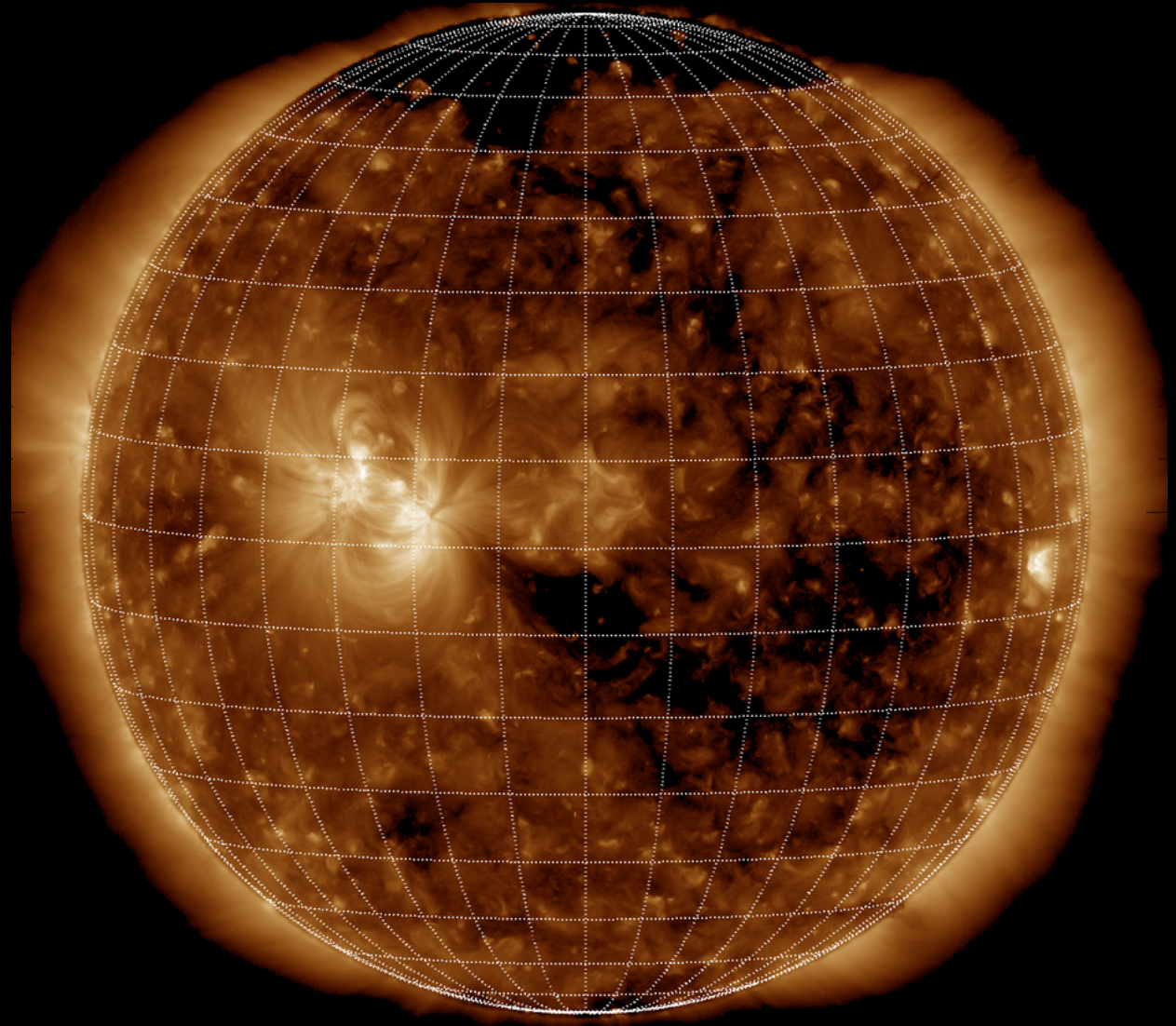
CMEs

#	CME	t0	dt0	pa	da	v	dv	minv	maxv	halo?
0003		2018/07/14 03:24	02	260	026	0233	0035	0169	0260	
0002		2018/07/14 01:36	01	238	006	0182	0031	0157	0236	
0001		2018/07/14 01:25	01	244	006	0178	0048	0117	0248	



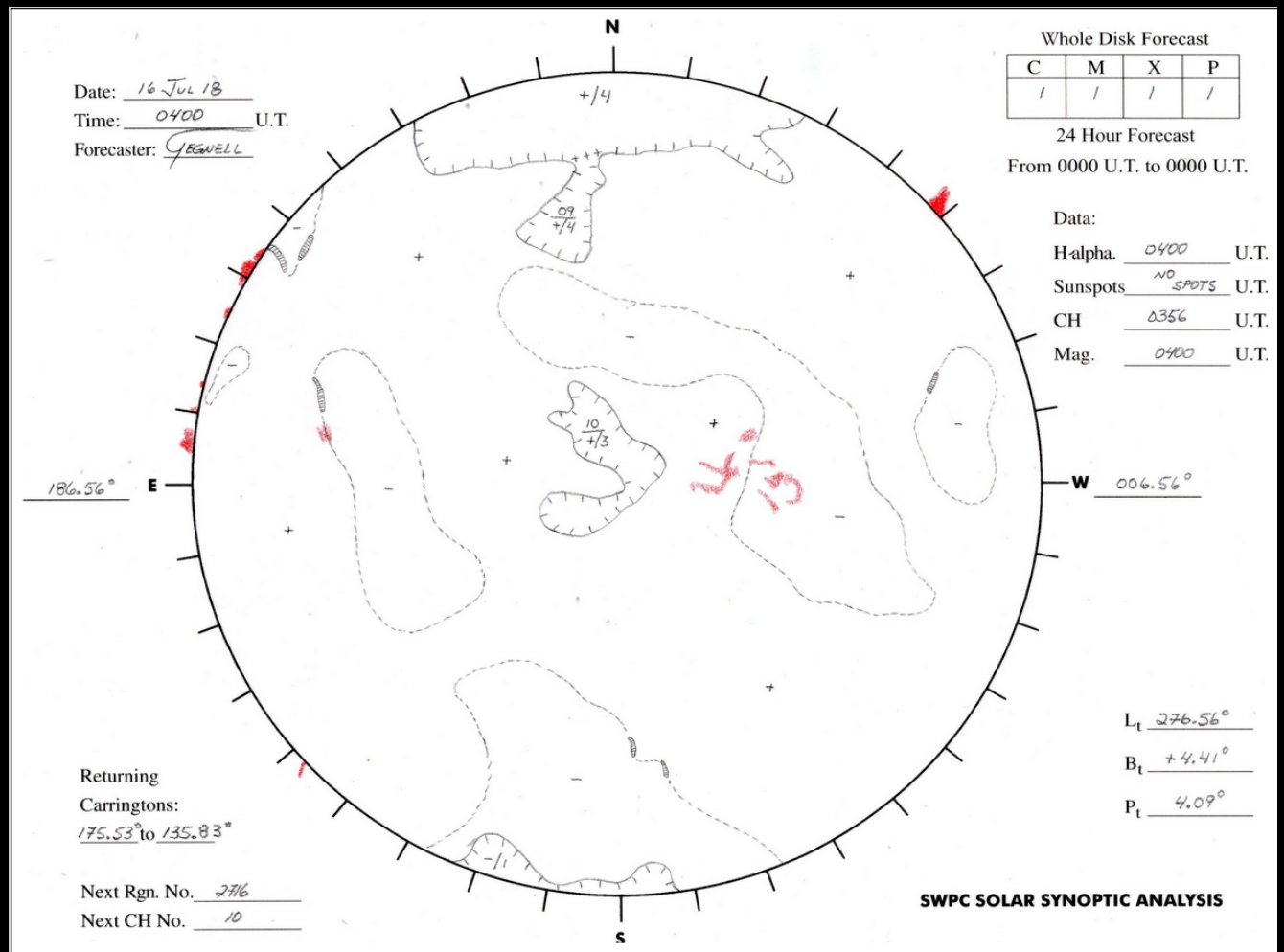
Coronal holes

Marginal
Negative Polarity
Coronal hole
13 April

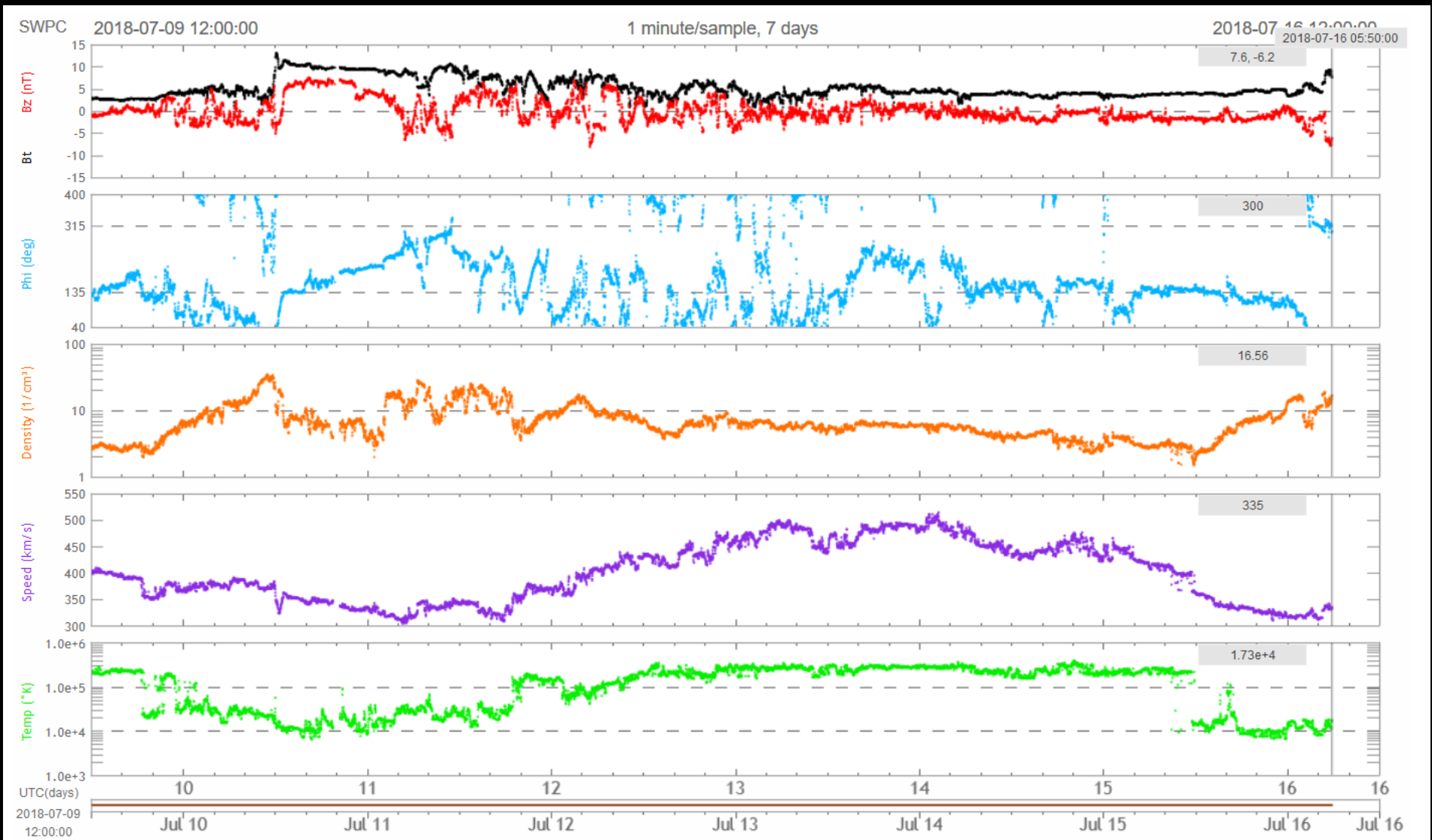


Coronal holes

16 April



Solar wind

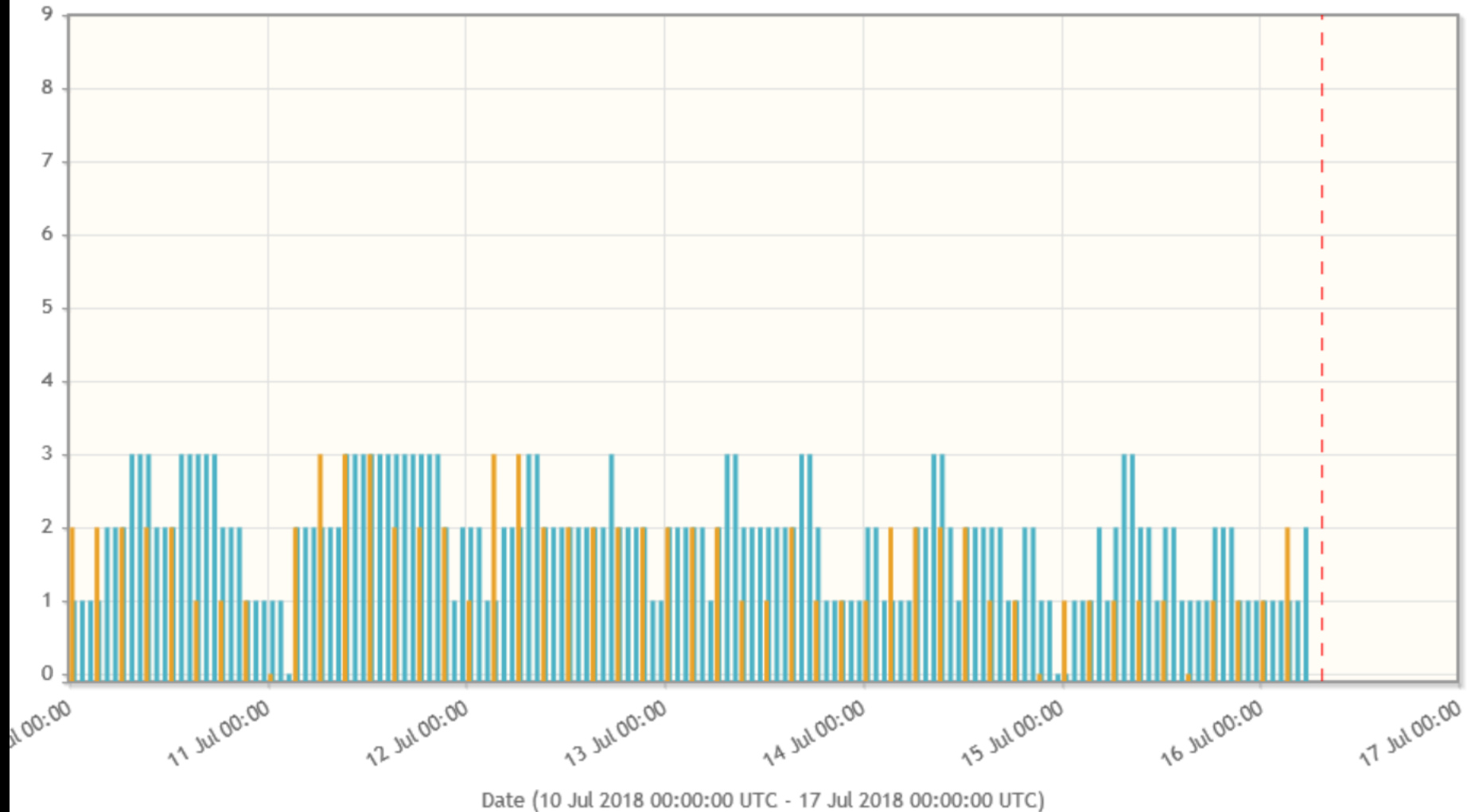


SW speed < 500 km/s

Geomagnetism

Plot (10 Jul 2018 00:00:00 UTC - 17 Jul 2018 00:00:00 UTC)

Geomagnetic - K (Dourbes) (quicklook) - 151 data points - (raw - 3 hour data)
Geomagnetic - Kp (NOAA) (quicklook) - 50 data points - (raw - 3 hour data)

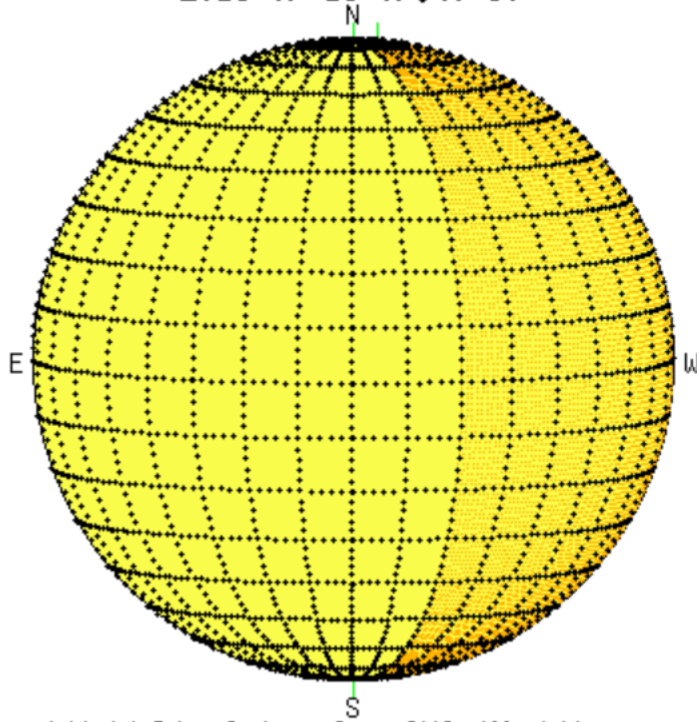


Kp: 0 – 3; K= 0 – 3; (Dourbes)

Next Week

Earth Side View

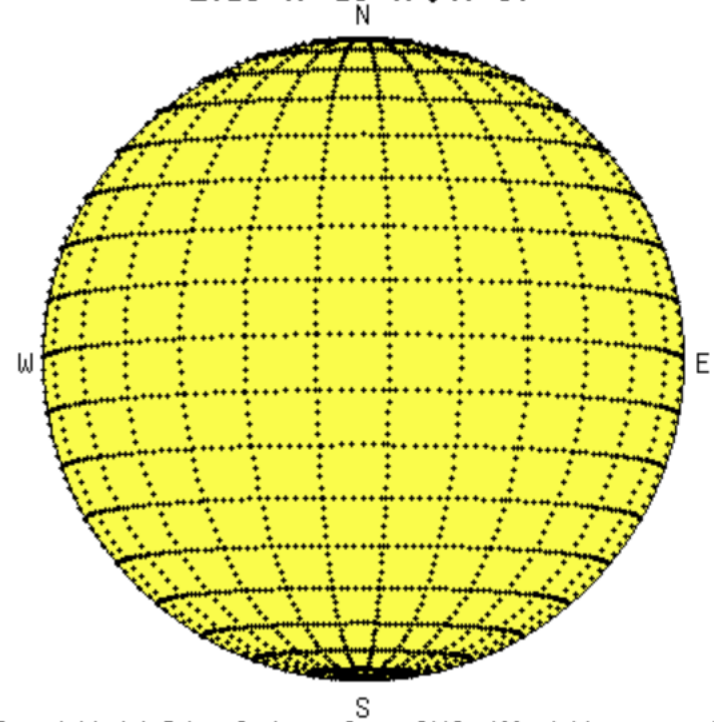
2018-07-16 07:40 UT



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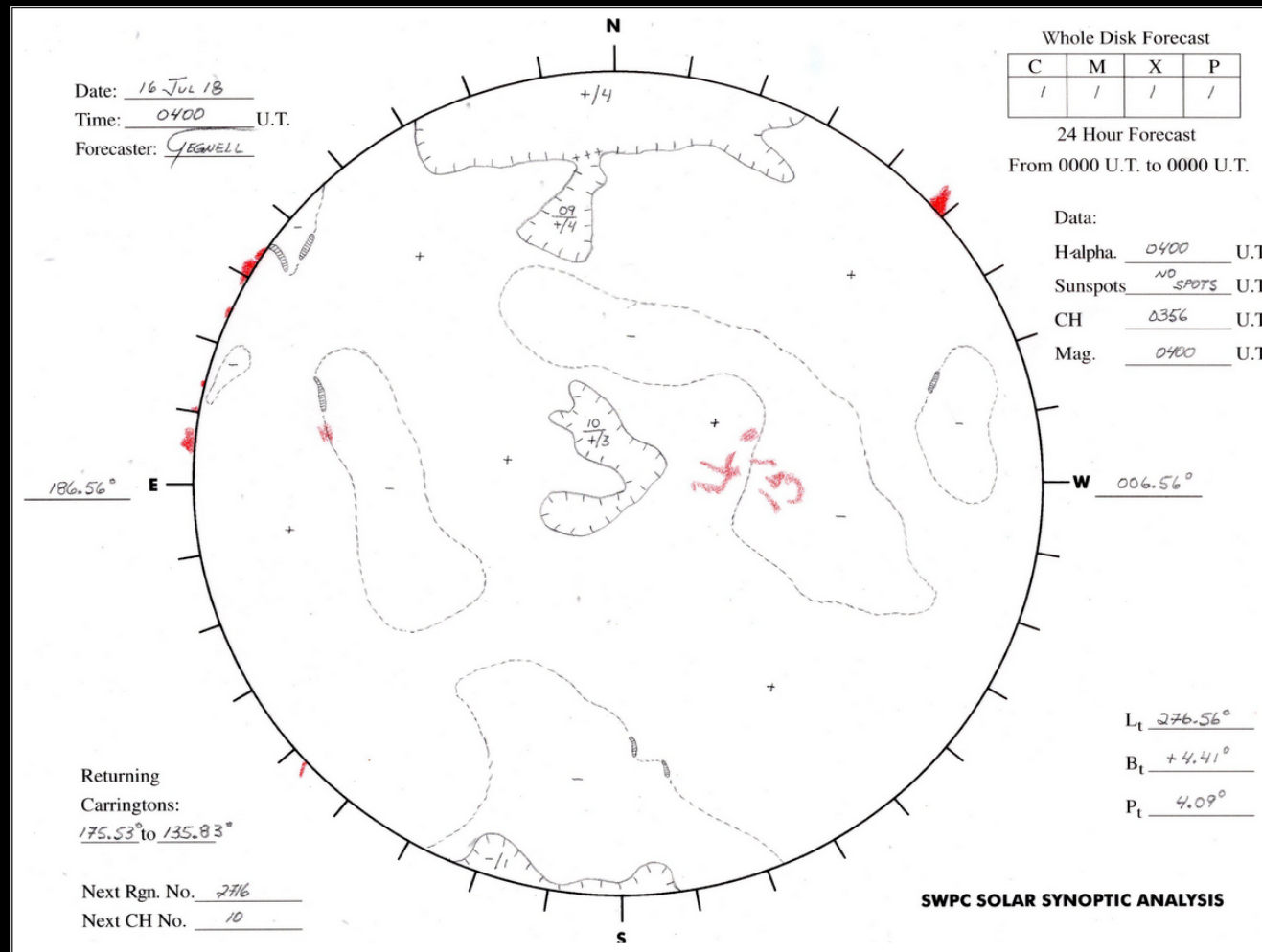
Far Side View

2018-07-16 07:40 UT



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Next Week



SIDC Space Weather briefing

See you at our next briefing!

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