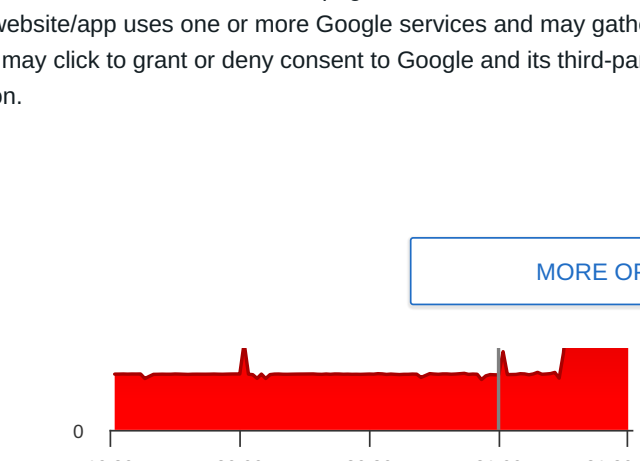
Density: 7.76 p/cm³

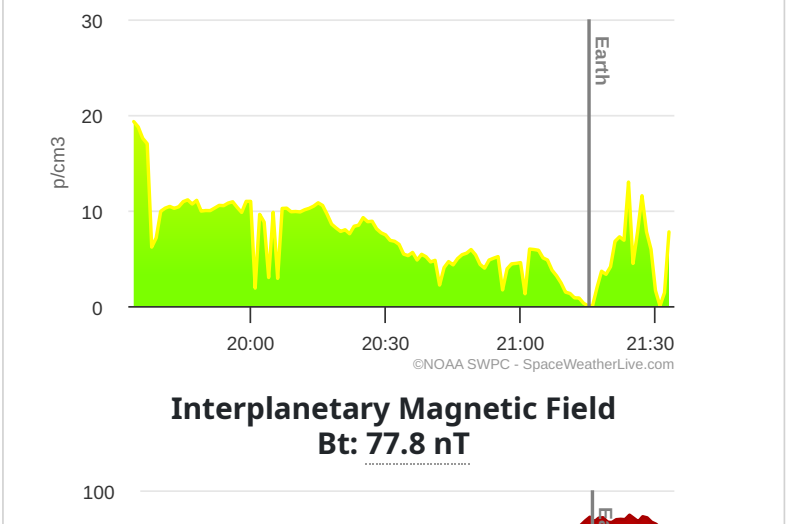
Interplanetary Magnetic Field
Bt: 77.8 nT

Bz: 68.36 nT North



Info | More data | Help

Auroral oval

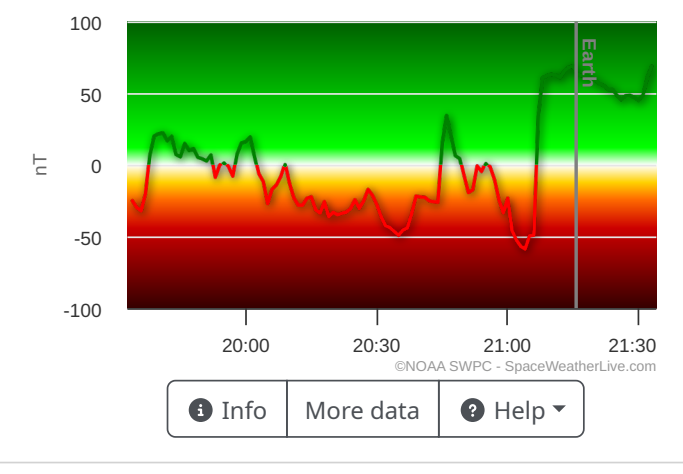


More data | Hemispheric Power

Magnetometers

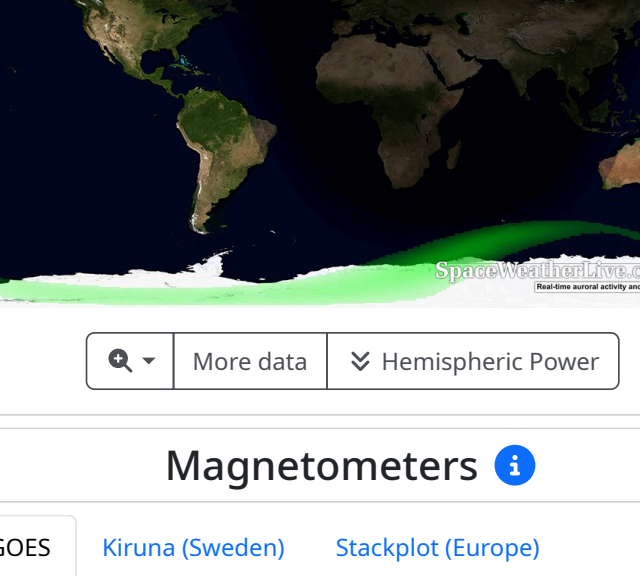
GOES | Kiruna (Sweden) | Stackplot (Europe) | CANMOS (Canada) | Hobart (Australia)

GOES Magnetometers



More data

Disturbance Storm Time index



More data

Moon phase

New Moon

More data

Back to top

S4 - Severe solar radiation storm

Blackout of HF radio through the polar regions and navigation position errors over several days, satellite effects degraded imaging systems and memory device problems, high radiation risk to astronauts on extra-vehicular activity (EVA) and high-latitude aircraft passengers

Latest news

More news

Latest forum messages

AR 14341	259
X1.9 CME	595
CMEs - January 08, 2026; G1-Watch	98
AR 4345	7
No SDO data update	2

More topics

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Latest alerts

21:21 UTC - Coronal mass ejection arrival

CME impact detected - Current Solar Wind Speed 936km/sec - IMF: Bt (strength): 90nT & Bz: 62nT (North).

Get instant alerts!

Space weather facts

Last X-flare	2026/01/18	X1.9
Last M-flare	2026/01/19	M1.2
Last geomagnetic storm	2026/01/17	Kp5+ (G1)

Spotless days

Last spotless day	2022/06/08

Monthly mean Sunspot Number

December 2025	124	↑ +32.2
January 2026	100.6	↓ -23.4
Last 30 days	106.1	↓ -0.7

This day in history*

Solar flares			Dst		G
1	2005	X2	1	2005	-80	G3
2	2005	M9.7	2	1961	-69	G2
3	2012	M4.61	3	1958	-45	
4	2005	M3.88	4	2025	-45	
5	2010	M3.31	5	2022	-44	G1

*since 1994

Social networks

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