



Contest Report April 2024

1. Past Contest Results

CQ WW WPX SSB – March 30 – 31st

-Steve to report

2. Upcoming contests in May

For details check the: [WA7BNM Contest Calendar: 8-Day Calendar](#)



Current solar conditions as of: **25-Apr-2024 at 1505 UTC**

Current Solar Indices from WWV	
25-Apr-2024 at 1505 UTC	
SFI = 199 A = 4 K = 1	
Conditions during the last 24 hours	
Space weather for the past 24 hours has been minor. Radio blackouts reaching the R1 level occurred.	
Forecast for the next 24 hours	
Space weather for the next 24 hours is predicted to be minor. Radio blackouts reaching the R1 level are expected.	

Recent Major Solar Flare Activity
(usually reported within 30 minutes of event peak)

Date	Time	Magnitude
25-Apr-2024	1321Z	M1.0
25-Apr-2024	0149Z	M1.0
24-Apr-2024	2259Z	M2.0
24-Apr-2024	2250Z	M1.1
24-Apr-2024	1214Z	M1.4
24-Apr-2024	0239Z	M1.8
24-Apr-2024	0029Z	M1.7
23-Apr-2024	1744Z	M2.9
23-Apr-2024	0821Z	M3.0
23-Apr-2024	0319Z	M3.6
22-Apr-2024	2116Z	M1.5
22-Apr-2024	1630Z	M1.0
22-Apr-2024	1550Z	M2.8
22-Apr-2024	1519Z	M1.6
22-Apr-2024	1455Z	M1.1
22-Apr-2024	1335Z	M1.6
22-Apr-2024	0813Z	M1.0
21-Apr-2024	2152Z	M3.4
21-Apr-2024	1514Z	M2.2
21-Apr-2024	1259Z	M1.0



The Penticton Observatory SFI value on 24-Apr-2024 at 2300Z was: **193**

Three Day SFI and A-index Forecast
 (updated daily after 2200Z)
 This report issued on Apr 24, 2024 at 2200Z

Date	SFI	A-index
25 Apr	195	20
26 Apr	185	18
27 Apr	170	15

Solar Activity Forecast

R1-R2 (Minor-Moderate) radio blackouts are expected, with a slight chance of an R3 (Strong) event due to the number of sunspots present on the solar disk and increased flare probabilities 24-26 Apr.

Geophysical Activity Forecast

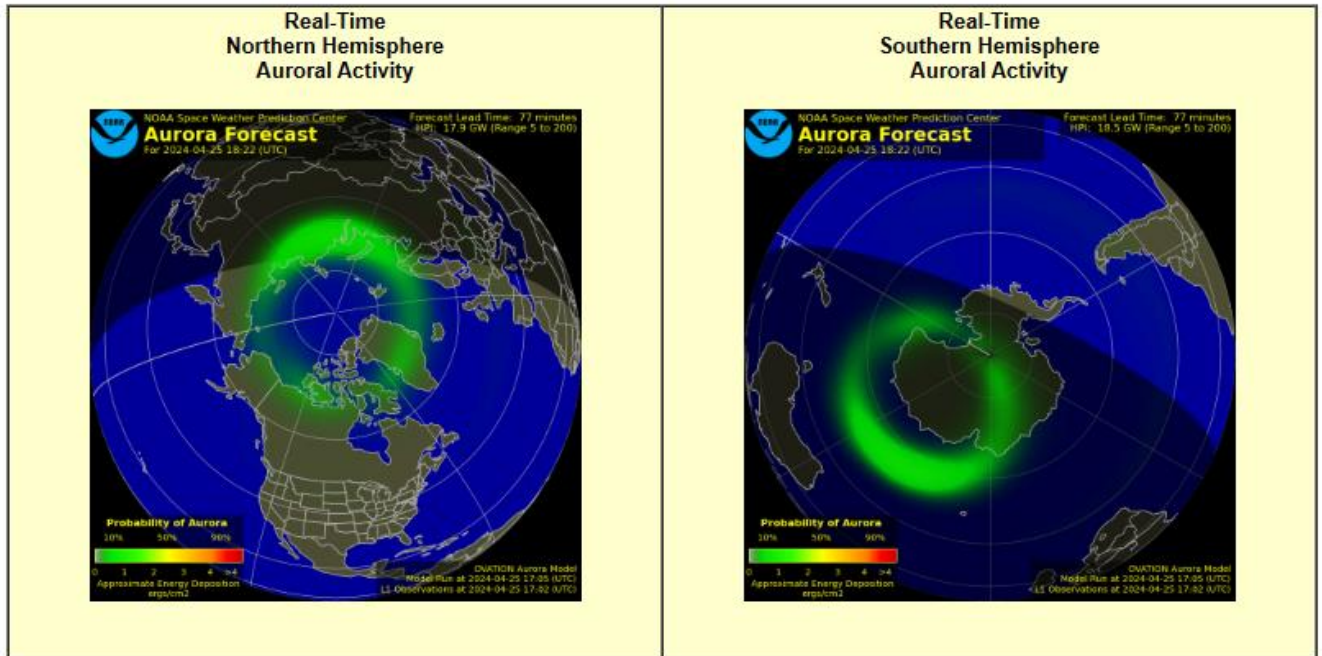
No G1 (Minor) or greater geomagnetic storms are expected. No significant transient or recurrent solar wind features are forecast.

NOAA (American) Sunspot Number

This number is reported daily around 0225Z and reports the number of sunspots observed in the previous 24 hour period

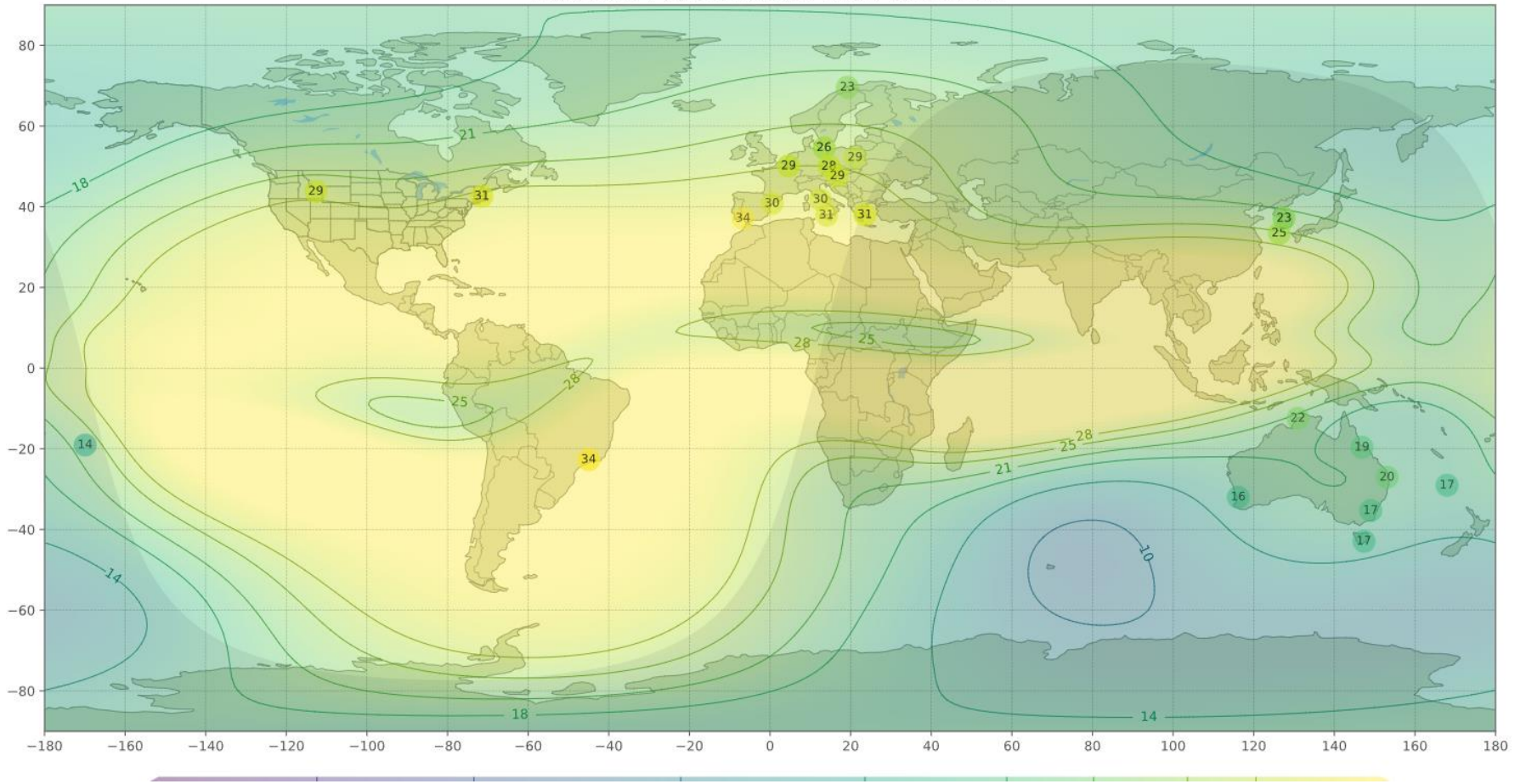
The NOAA Sunspot number for 24-Apr-2024 was: **283**

Most recent five days (oldest first): **243 240 283 283 282**





mufd 2024-04-25 17:15 eSFI: 171.4, eSSN: 145.3





Solar Space Weather resources

EarthSky's Sun News is published daily at

earthsky.org/sun/sun-news-activity-solar-flare-cme-aurora-updates

Northwest Research Associate's Table of Space Weather Indices is updated 40 minutes after every hour at

https://spawx.nwra.com/spawx/env_latest.html

SILSO's Estimated International Sunspot Number is updated frequently at

www.sidc.be/silso/DATA/EISN/EISNcurrent.png

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The Penticton 10.7 cm solar flux index is updated daily at 1700, 2000 and 2300Z at:

www.spaceweather.gc.ca/forecast-prevision/solar-solaire/solarflux/sx-5-flux-en.php

SWPC's Estimated Planetary Kp Index is updated every three hours at <https://services.swpc.noaa.go-index.png>

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UK Met Office's EUHFORIA solar wind report and forecast is updated daily at

https://swe.ssa.esa.int/DOCS/portal_images/uk_ral_euhforia_earth.mp4#1708014964422

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UK Met Office's Solar Flare Forecast is updated daily at

<https://swe.ssa.esa.int/web/guest/ukmo-S109c-federated>

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UK Met Office's Solar Wind Forecast and CME Arrival Prediction is updated regularly at

<https://swe.ssa.esa.int/metoffice-enlil-e-federated>

N0NBH's Current HF Band Conditions Report is updated regularly at

www.hamqsl.com/solar.html

KC2G's Near-Real-Time Maps and Data about HF propagation are generated every 15 minutes, from near real time data usually only 5 to 20 minutes old at

<https://prop.kc2g.com>

SWPC's Real Time 24 hour Geomagnetic Data including Bz orientation, IMF field strength, solar wind speed and near real time 30 minute forecasts are updated frequently at

www.swpc.noaa.gov/products/geospace-geomagnetic-activity-plot

SIDC's Daily Bulletin on Solar and Geomagnetic Activity is updated daily at 1230Z at

www.sidc.be/spaceweatherservices/managed/services/archive/product/meu/latest



GFZ-Potsdam's three-day GFZ Planetary K Index Forecast is updated every three hours at <https://spaceweather.gfz-potsdam.de/products-data/forecasts/forecast-kp-index>

SWPC's Solar Activity Forecast and Discussion is updated daily at 0030Z and 1230Z at www.swpc.noaa.gov/products/forecast-discussion

Australian Space Forecast Centre's Summary and Forecast is updated daily at 2330Z at [www.sws.bom.gov.au/Space Weather/1/1](http://www.sws.bom.gov.au/Space_Weather/1/1)

Perhaps the most useful HF propagation pages for DXers can be found at <http://dx.gsl.net/propagation> and www.solarham.net



Upcoming DX May/June 2024

May					
2024 May02	2024 May17	Rwanda	9X2AW	M0OXO OQRS	TDDX 20240408
2024 May03	2024 May08	Barbados	8P9NO	Club Log OQRS	TDDX 20240416
2024 May11	2024 May19	Bolivia	CP7DX	LoTW	TDDX 20240314
2024 May14	2024 May26	Barbados	8P9CB	WA7RAR	TDDX 20240403
2024 May17	2024 May27	Cyprus SBA	MW0BRO	LoTW	DXW.Net 20240417
2024 May19	2024 May31	Maldives	8Q7KR	DO4RKR (B/d)	TDDX 20240306
2024 May23	2024 May27	Bermuda	VP9	See Info	AB2E 20240418
2024 May24	2024 Jun19	Glorioso Is	FT4GL	LoTW	DXW.Net 20240315
2024 May22	2024 Jun03	Br Virgin Is	VP2V	LoTW	TDDX 20240313
2024 May30	2024 Jun10	Pitcairn	VP6DF <small>NEW</small>	LoTW	DXW.Net 20240422
2024 May30	2024 Jun20	Crete	SV9 <small>NEW</small>	DK5EW Direct	TDDX 20240419
June					
2024 Jun01	2024 Jun15	Mozambique	C91AHV	LoTW	DXW.Net 20240403
2024 Jun16	2024 Jun29	Maldives	8Q7JF	LoTW	DXW.Net 20240227

Courtesy of: [Announced DX Operations: 2024 \(ng3k.com\)](https://www.ng3k.com)