

NOUS41 KWBC 141650
PNSWSH

Service Change Notice 22-101
National Weather Service Headquarters Silver Spring MD
1250 PM EDT Fri Oct 14 2022

To: Subscribers
-NOAA Weather Wire Service
-Emergency Managers Weather Information Network
-NOAAPort
Other NWS Partners, Users and Employees

From: Bruce Entwistle
Chief, Aviation and Space Weather Services Branch

Subject: Deployment of an Update to the Planetary K Index (Kp) on or about
November 14, 2022

On or about November 14, 2022, at 1700 Universal Coordinated Time (UTC), the National Weather Service will deploy an update to the Planetary K index (Kp), adding two decimals of precision. The Kp index is currently provided as an integer. The improved precision will more accurately reflect the state of Earth's magnetic field and allow better correlation of this index with other indicators of geomagnetic activity. The change will propagate across ten products which incorporate or display Kp. An eleventh product will be discontinued due to duplicative content as detailed below. The current products and static samples of the new formats are provided below:

Daily Indices:

Current - <ftp://ftp.swpc.noaa.gov/pub/latest/dayind.txt>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_dayind_sample.txt

Current Indices:

Current - <https://services.swpc.noaa.gov/text/current-space-weather-indices.txt>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_curind_sample.txt

3-Day Forecast:

Current - <http://services.swpc.noaa.gov/text/3-day-forecast.txt>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_three_day_forecast_sample.txt

Geomagnetic Data (Real-Time List, AK):

Current - <ftp://ftp.swpc.noaa.gov/pub/lists/geomag/>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_AK_sample.txt

Daily Geomagnetic Data (DGD):

Current - <https://services.swpc.noaa.gov/text/>

Sample - [daily-geomagnetic-indices.txt](https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_DGD_sample.txt)
https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_DGD_sample.txt

3-Day Geomagnetic Forecast:

Current - <https://www.swpc.noaa.gov/products/3-day-geomagnetic-forecast>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_3-day-geomag-forecast_sample.txt

Observed Planetary K Index (3 hour intervals):

Current - <https://services.swpc.noaa.gov/products/noaa-planetary-k-index.json>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_noaa-planetary-k-index_sample.json

Forecast Planetary K Index (3 hour intervals):

Current - <https://services.swpc.noaa.gov/products/noaa-planetary-k-index-forecast.json>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_noaa-planetary-k-index-forecast_sample.json

Estimated Planetary K Index (1 minute):

Current - <https://services.swpc.noaa.gov/products/Noaa-estimated-planetary-k-index-1-minute.json>
(to be discontinued due to duplicative content)
- https://services.swpc.noaa.gov/json/Planetary_k_index_1m.json
(to be updated)
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_planetary_k_index_1m_sample.json

Geophysical Alert Message (WWV):

Current - <https://www.swpc.noaa.gov/products/geophysical-alert-wwv-text>
Sample - https://services.swpc.noaa.gov/text/scn/fy22-kp/10-102_wwv_sample.txt

For any comments/feedback on this change at SWPC please contact:

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National Service Change Notices are online at:

<https://www.weather.gov/notification>

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