

NOUS41 KWBC 221850
PNSWSH

Service Change Notice 25-44
National Weather Service Headquarters Silver Spring MD
450 PM EDT Thu May 22, 2025

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FROM: Dave Michaud
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SUBJECT: Upgrade NWS API Website forecast and alerts endpoints
Effective: May 22, 2025

On May 22, 2025 at 1800 Universal Coordinated Time (UTC), the National Weather Service API Application Programming Interface (Website) was upgraded to version 2.5. With this upgrade comes the following user-impactful changes:

1. Add Station Name to the stations/XXXX/observations endpoint

Example:

<https://api.weather.gov/stations/KPHL/observations/latest>

2. Add missing CAP fields to individual alerts. More about CAP can be found at: <https://vlab.noaa.gov/web/nws-common-alerting-protocol>

```
<scope>  
<code>  
<language>  
<eventCode>  
<web>
```

3. Limit option now works for observations

Example:

<https://api.weather.gov/gridpoints/REV/33,79/stations?limit=1>

4. Added CAP product latency to API Health check

Go to <https://api.weather.gov/health> to see this addition for NGITWS_CAP_METADATA and for individual alerts as well for approximately the last 60 minutes.

5. Properly implement the DWML/XML output data in the /gridpoints/{wfo}/{x},{y}/forecast/hourly endpoint. Any code previously utilizing the DWML output option from this endpoint will need to be adjusted.

6. Data in the /gridpoints/{wfo}/{x},{y}/forecast/hourly endpoint will now display null values for missing data instead of returning a 503 error.

7. Individual alert eventEndingTime parameter in the alerts endpoints now defaults to local time offset instead of UTC offset.

8. Requesting an invalid gridpoints gridX,gridY URL in any gridpoints endpoint will now result in a 404 error instead of a 500 error.

9. JSON properties for gridX and gridY values in the /gridpoints/{wfo}/{x},{y} endpoint are now properly returned as integers instead of strings, the same as the points endpoint and as referenced in the OpenAPI specification.

10. Forecast probabilityOfPrecipitation values less than 20 no longer display null values in the /gridpoints/{wfo}/{x},{y}/forecast endpoint. A raw maximum value for the 12h period is returned instead.

11. MADIS null wind direction values may be reported in the wind direction and wind_string fields of the XML output from observations endpoints, instead of returning a 500 error.

12. Correct discrepancies in the /alerts/types endpoint to align with the latest Hazards Map standards at <https://www.weather.gov/help-map>

13. Feature flag obs_station_provider added to display MADIS provider and subProvider data in the stations endpoints.

14. Added /products/types/{typeId}/locations/{locationId}/latest endpoint to obtain the latest of any text product type and location.

For operational issues on the API Website, please contact:

NCEP Central Operations
Tech Control
nco.ops@noaa.gov

For technical questions regarding this notification, please contact:

Software Development Branch
NWS Office of Dissemination
sdb.support@noaa.gov

National Service Change Notices are online at:

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

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