



Winter Storms Gerri/Heather Western Interconnection Impacts

June 11, 2024

Greg Park, Manager Risk
Analysis and Data Services

FERC/NERC Performance Review

- Team was made up of staff from FERC, NERC, and Regional Entities
- WECC participated with two subject matter experts
 - Scott Rowley, Senior Reliability Specialist—Situational Awareness & Infrastructure Security
 - Greg Park, Manager, Risk Analysis & Data Services
- Public presentation to the FERC commission occurred on April 25, 2024
[April 25, 2024, Open Meeting | Federal Energy Regulatory Commission \(ferc.gov\)](#)

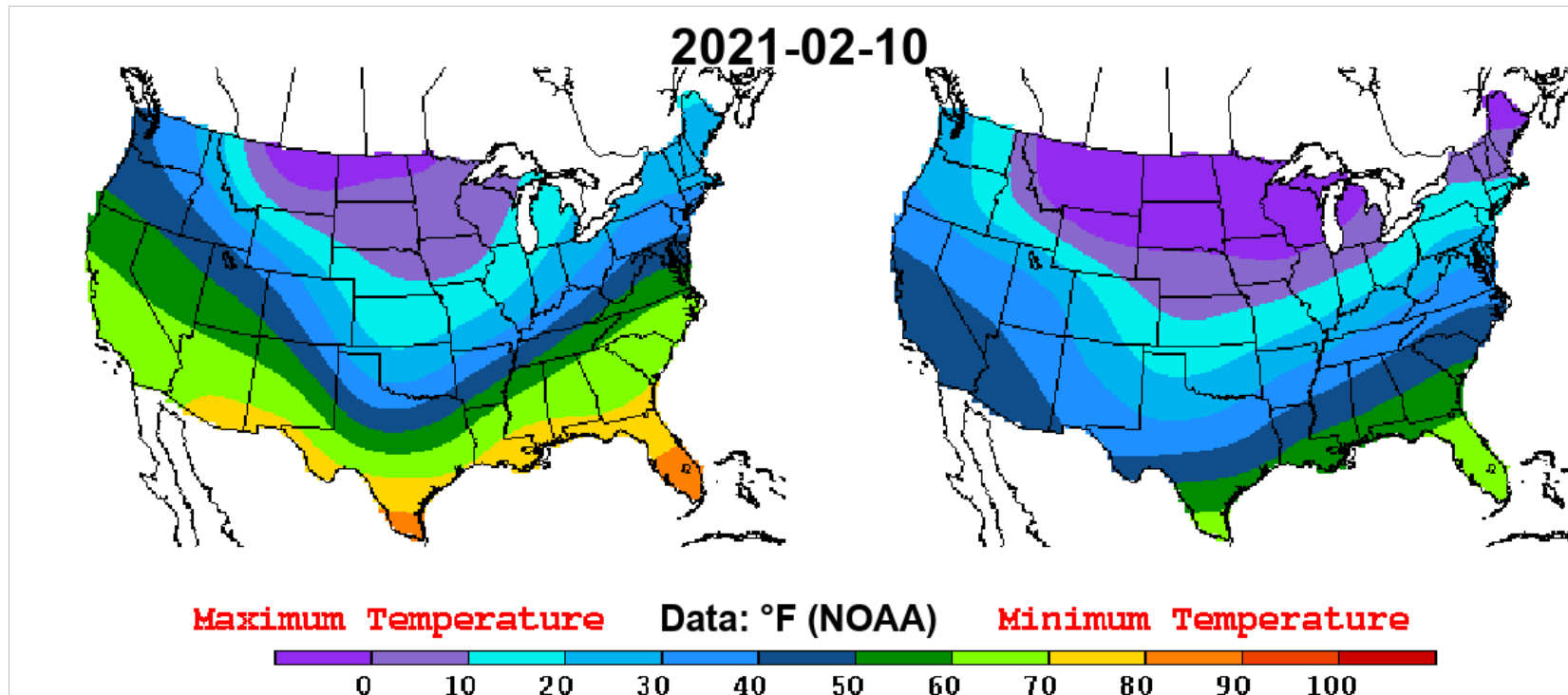
FERC/NERC Performance Review

- The team interviewed all U.S. entities that experienced any level of Energy Emergency Alerts (EEA) in addition to the following:
 - Two PNW entities that experienced emissions-related issues or concerns related to the cold weather.
 - One SW entity that experienced gas delivery constraints during the period.
 - One PNW entity that experienced gas delivery issues.
 - One NE entity that experienced a RAS misoperation—Not necessarily a failure caused by cold weather.
 - Two Western Interconnection RCs

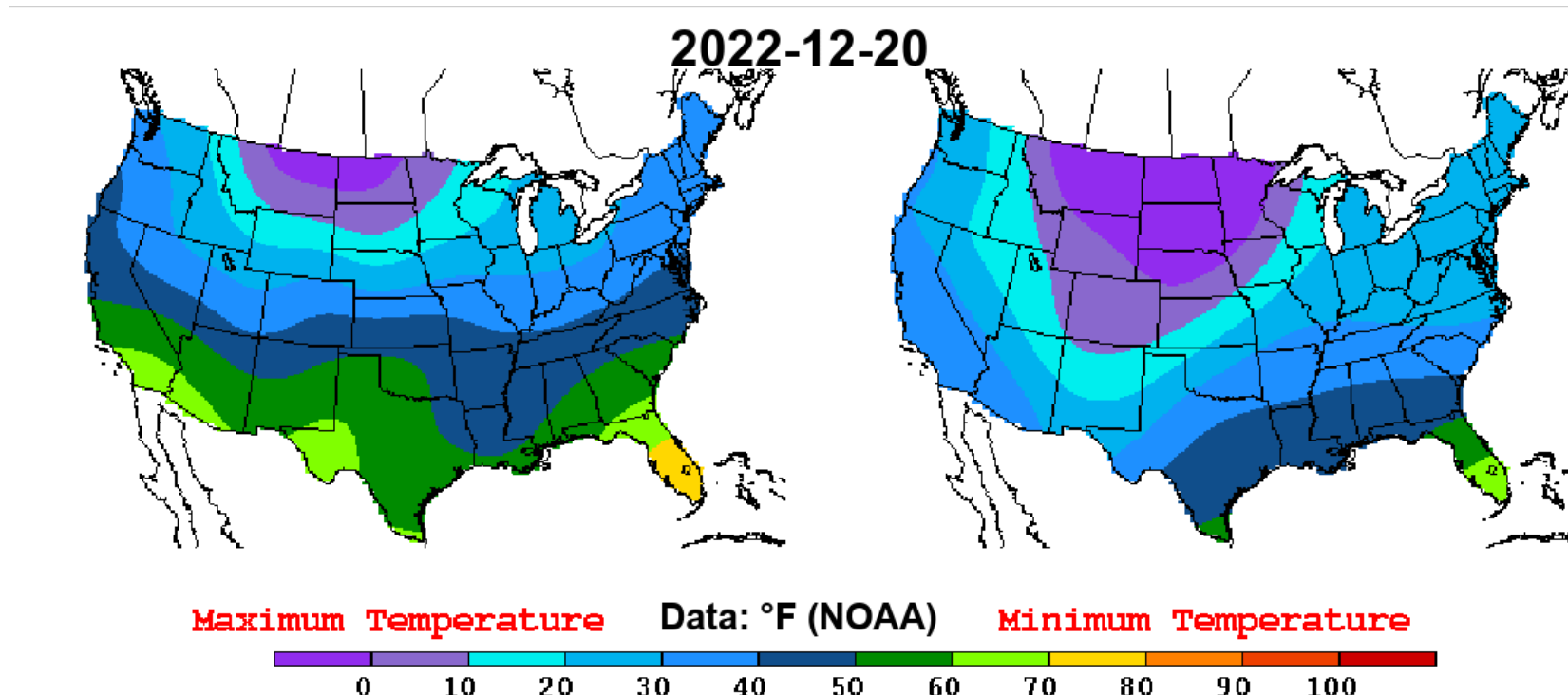
Western Interconnection Energy Emergency Alerts

- Entity 1—Four days of EEA 3 (12th–15th over 17 hours total) **NO Operator-initiated load shed occurred.**
- Entity 2—One day of EEA 3 (13th—almost three hours), one day of EEA 1 (14th—under one hour) **NO Operator-initiated load shed occurred.**
- Entity 3—Three days of EEA 1 (13th, 14th, 15th—nine hours total).
- Entity 4—One day of EEA 1 (13th—almost seven hours total).
- Entity 5—Two days of EEA 1 (13th and 14th—over 26 hours total).
- Over 63 hours of accumulated time over the four days.

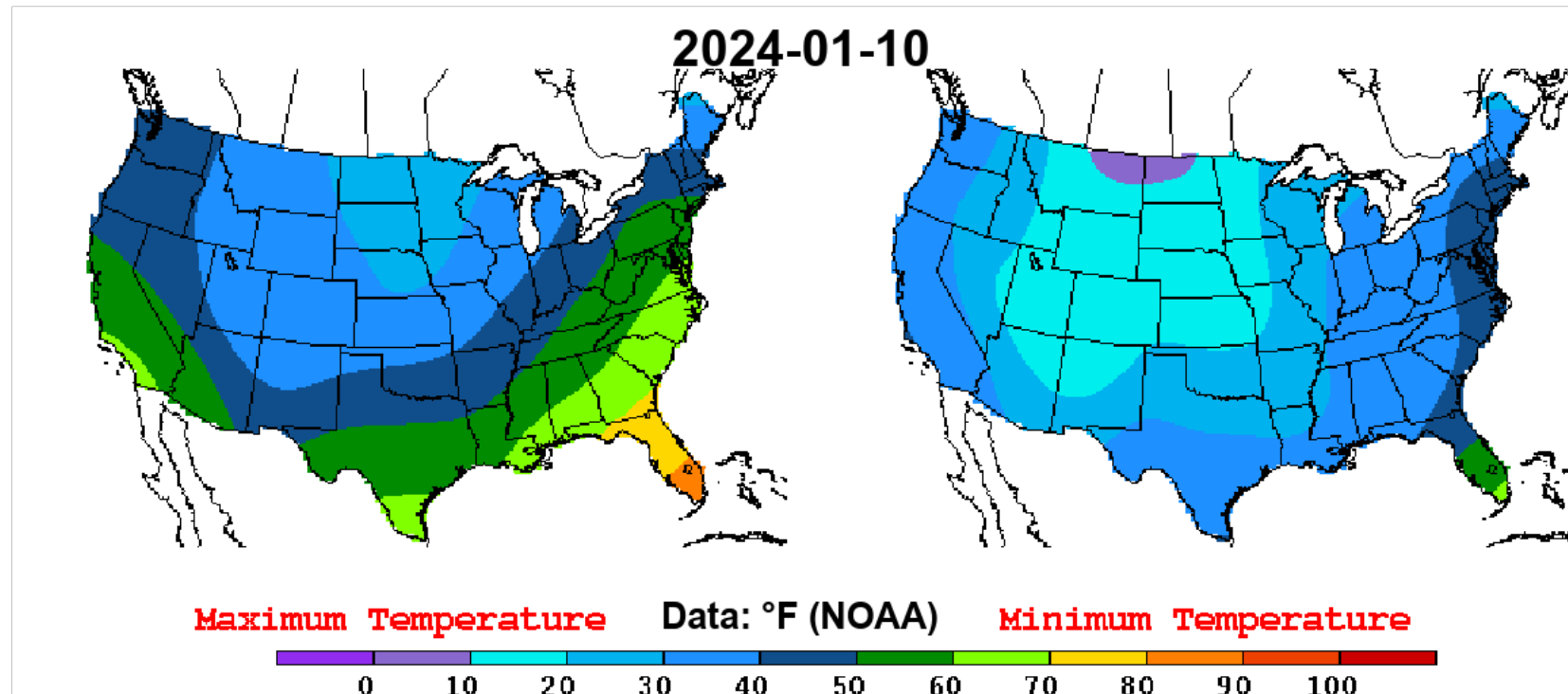
Weather—2021 Uri



Weather—2022 Elliot



Weather—2024 Gerri/Heather

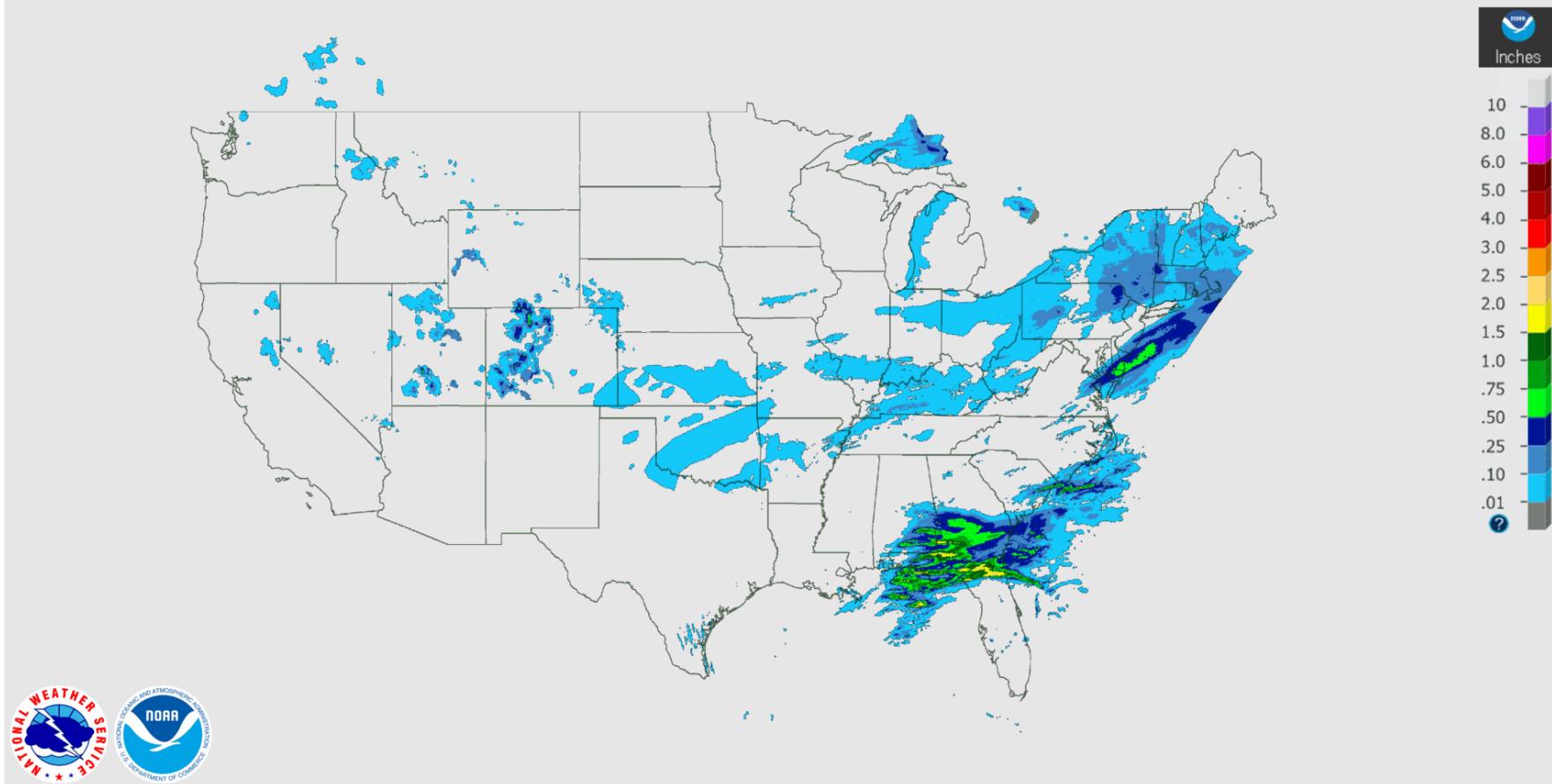


Weather—2021 Uri

February 10, 2021 1-Day Observed Precipitation - Continental United States

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Valid on: February 10, 2021 12:00 UTC

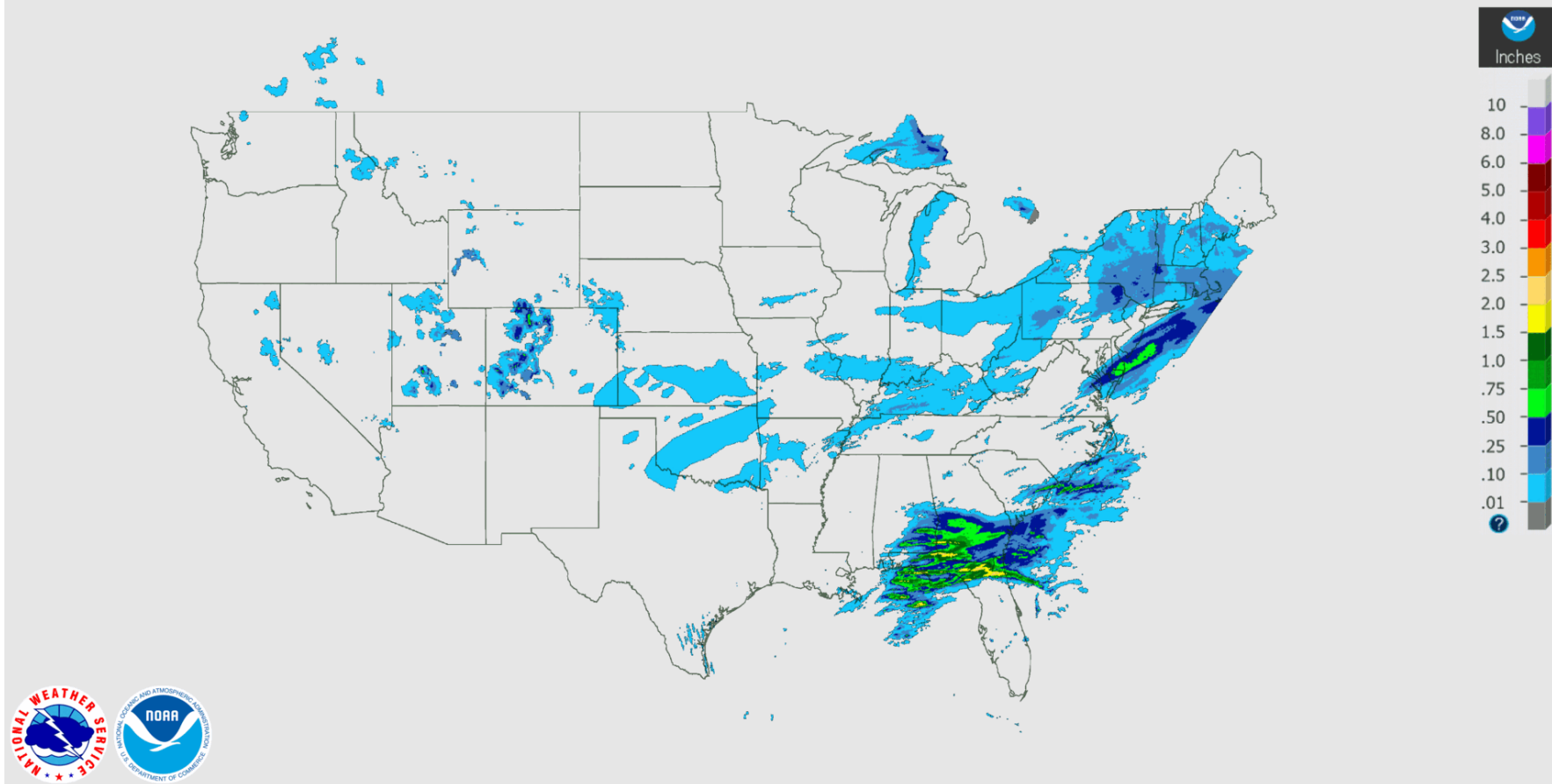


Weather—2022 Elliot

February 10, 2021 1-Day Observed Precipitation - Continental United States

Created on: February 22, 2024 - 21:51 UTC

Valid on: February 10, 2021 12:00 UTC

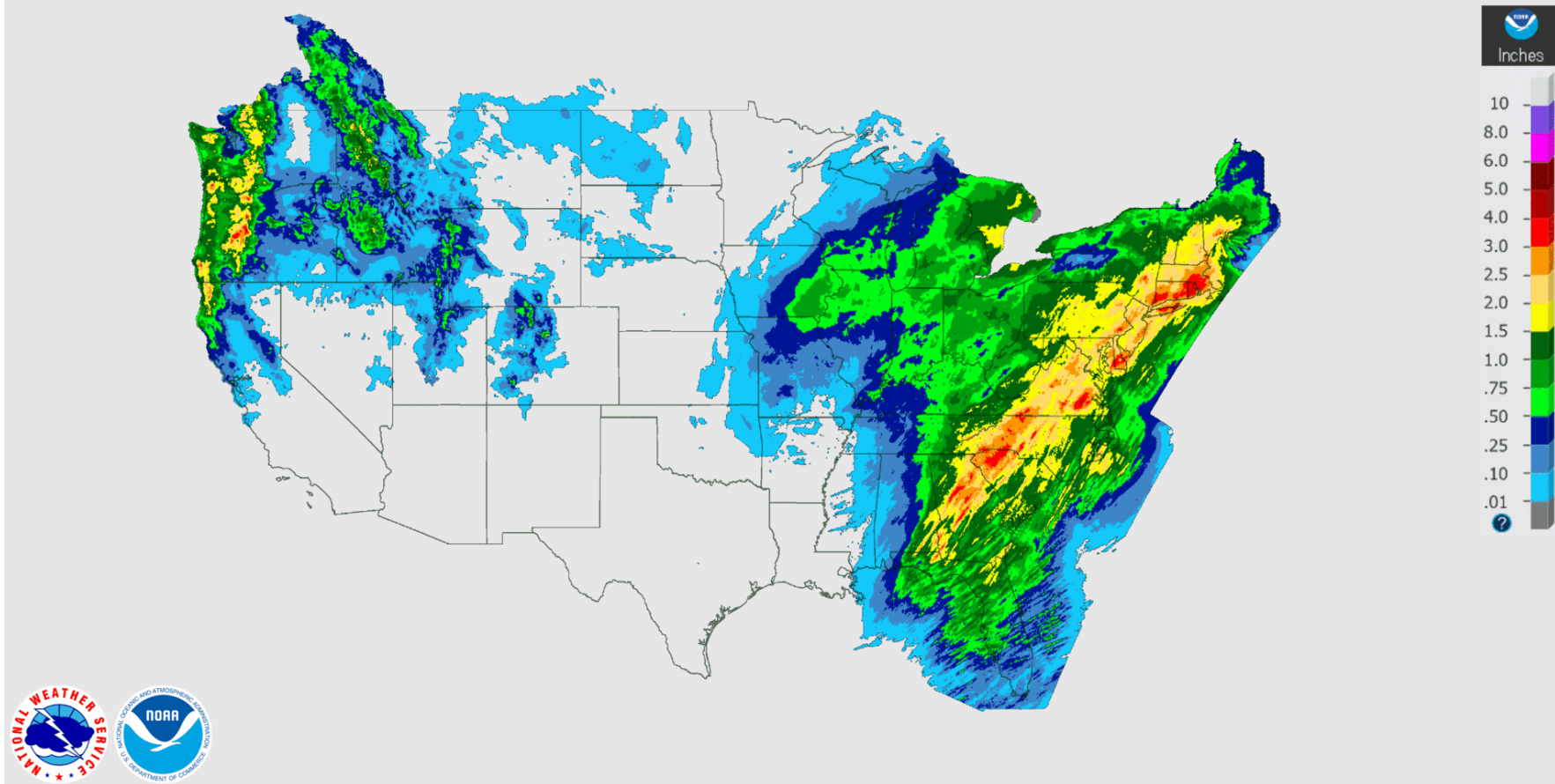


Weather—2024 Gerri/Heather

January 10, 2024 1-Day Observed Precipitation - Continental United States

Created on: February 22, 2024 - 23:13 UTC

Valid on: January 10, 2024 12:00 UTC





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