



Drought Information Statement for Central and Southwest Kansas

Valid May, 23, 2024

Issued By: WFO Dodge City

Contact Information:

- This product will be updated monthly during episodes of D3 drought and sometimes D2.
 - Please see all currently available products at <https://drought.gov/drought-information-statements>.
 - Please visit [https://www.weather.gov/\[WFO\]/DroughtInformationStatement](https://www.weather.gov/[WFO]/DroughtInformationStatement) for previous statements.
 - Please visit [https://www.drought.gov/drought-status-updates/\[link\]](https://www.drought.gov/drought-status-updates/[link]) for regional drought status updates.
-
- Drought remains across southwest Kansas and worsens in some locations.



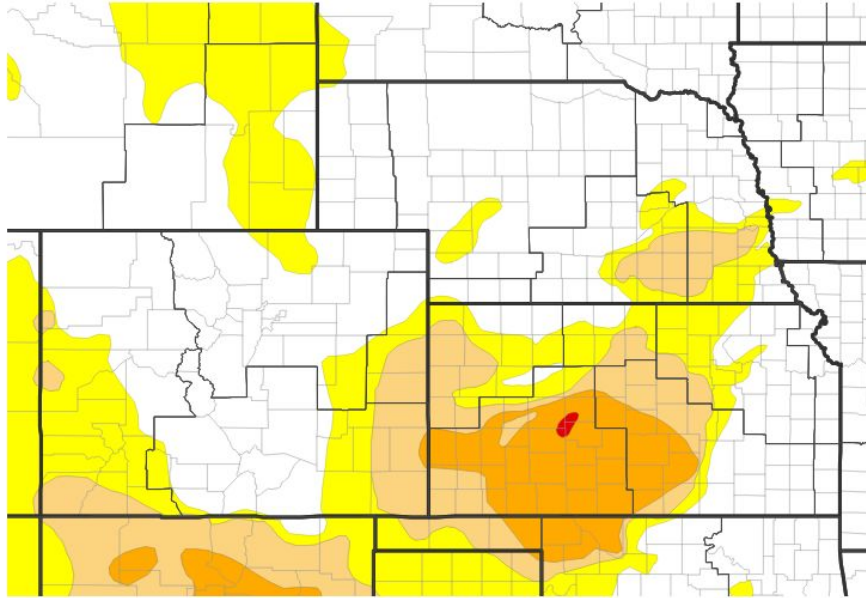


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the United States

- Drought was worsening and expanding across parts of central and southwest Kansas.
- Drought intensity and Extent
 - D2 (Severe Drought): Most of central and southwest Kansas except the southwest corner and Trego/Ellis counties.
 - D3 (Extreme Drought): Parts of Rush, Hodgeman, Ness and Pawnee counties.

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 05/21/24

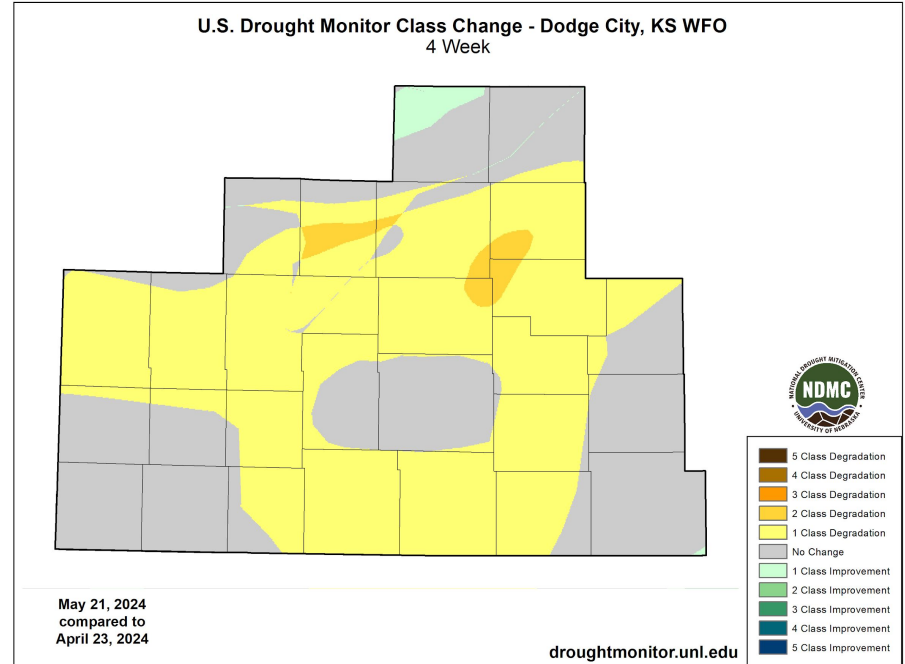




Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for the United States

- Four Week Drought Monitor Class Change.
 - Drought Worsened: Parts of central and southwestern Kansas.
 - No Change: Trego/Ellis counties, far southwest Kansas and parts of south central Kansas.
 - Drought Improved: Northern Trego county.

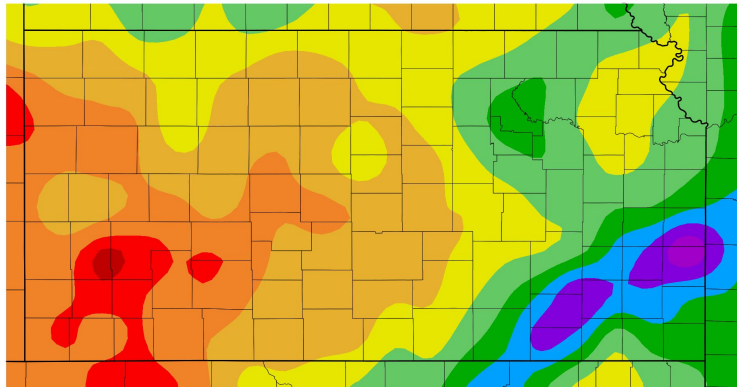




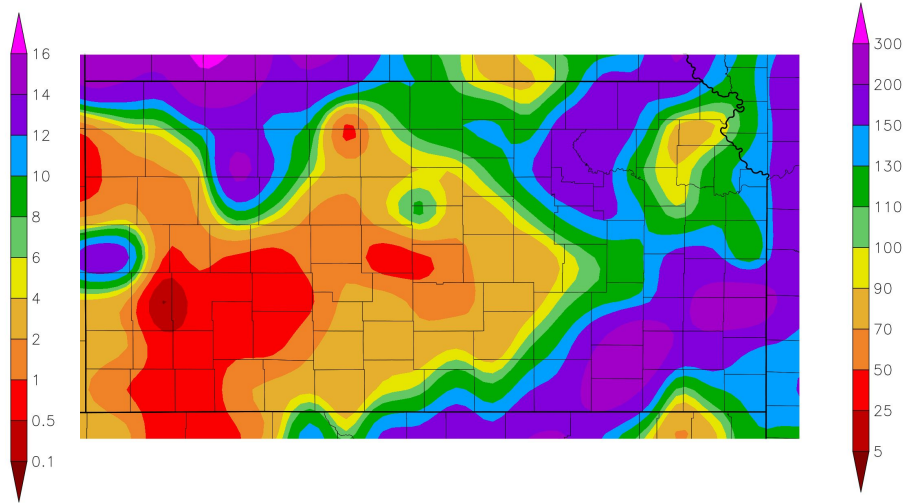
Precipitation

- It was much drier than average last month.

Precipitation (in)
4/23/2024 - 5/22/2024



Percent of Normal Precipitation (%)
4/23/2024 - 5/22/2024



Generated 5/23/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers generated 5/23/2024 at HPRCC using provisional data.

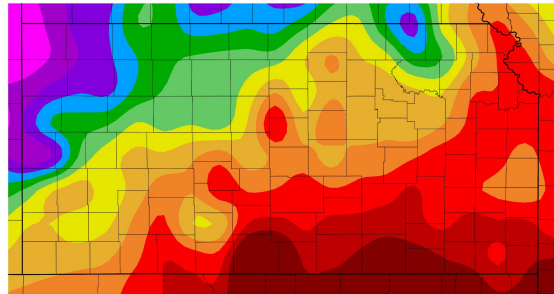
NOAA Regional Climate Centers



Temperature

- Temperatures were warmer than average across most of central and southwestern Kansas.

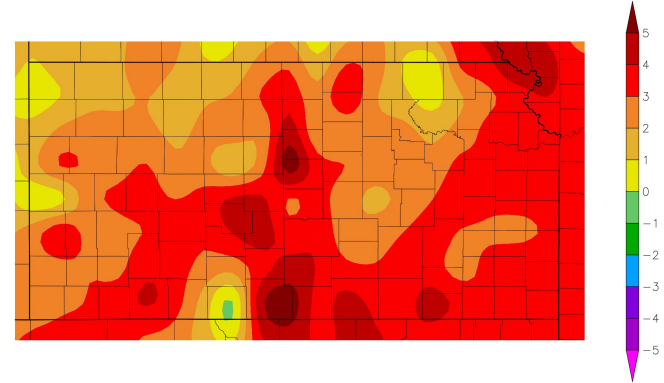
Temperature (F)
4/23/2024 - 5/22/2024



Generated 5/23/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

Departure from Normal Temperature (F)
4/23/2024 - 5/22/2024



Generated 5/23/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- There are no known impacts at this time.

Agricultural Impacts

- The recent rains have helped in some parts of central and western Kansas. However, the wheat crop is being negatively impacted in many areas.

Fire Hazard Impacts

- None

Other Impacts

- None.

Mitigation Actions

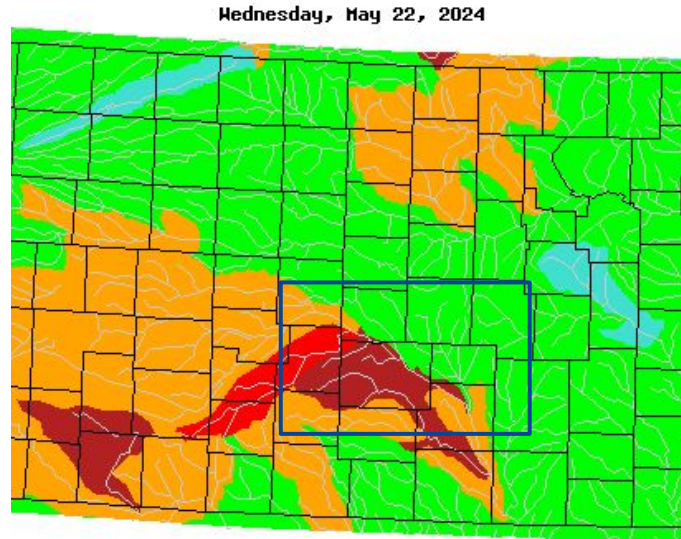
- None reported.





Hydrologic Conditions and Impacts

- Much of southwest Kansas has been reporting below normal streamflow.
- Parts of central Kansas has near normal streamflow.



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Image Caption: USGS 7 day average streamflow HUC map valid 10 12 2023

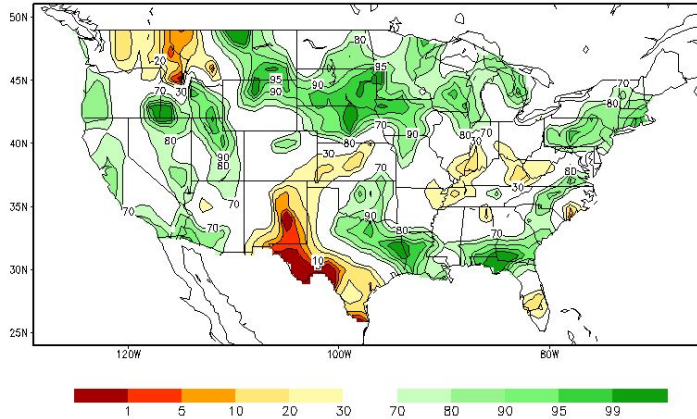




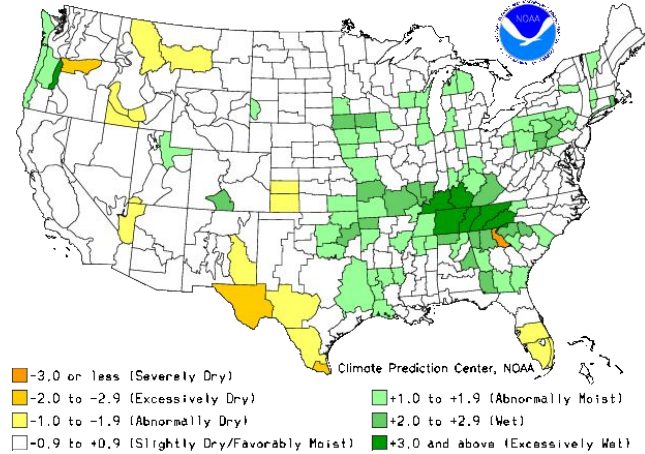
Agricultural Impacts

- The wheat crop is still being negatively affected.

Calculated Soil Moisture Ranking Percentile
MAY 22, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending MAY 18, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile





Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- On windy and dry days fire weather will be a concern.



Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for August 2023





Seven Day Precipitation Forecast

- Scattered thunderstorms are expected over the next week over central Kansas. But no widespread, general rains are predicted.

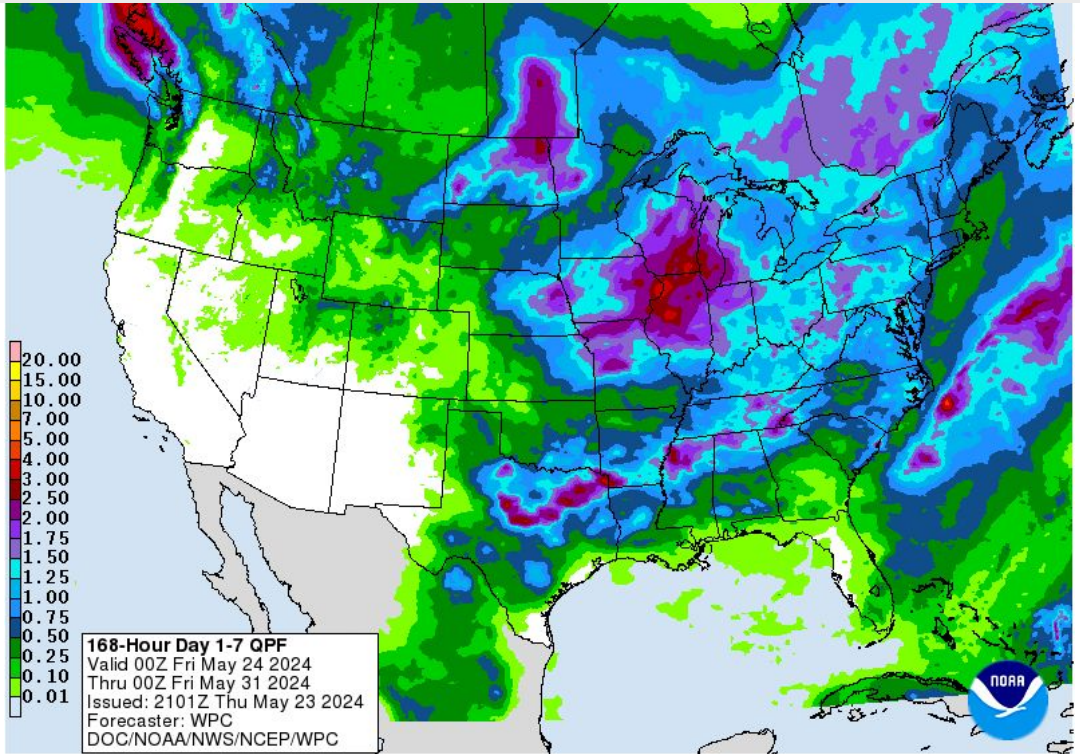


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday May 23 to Thursday May 30





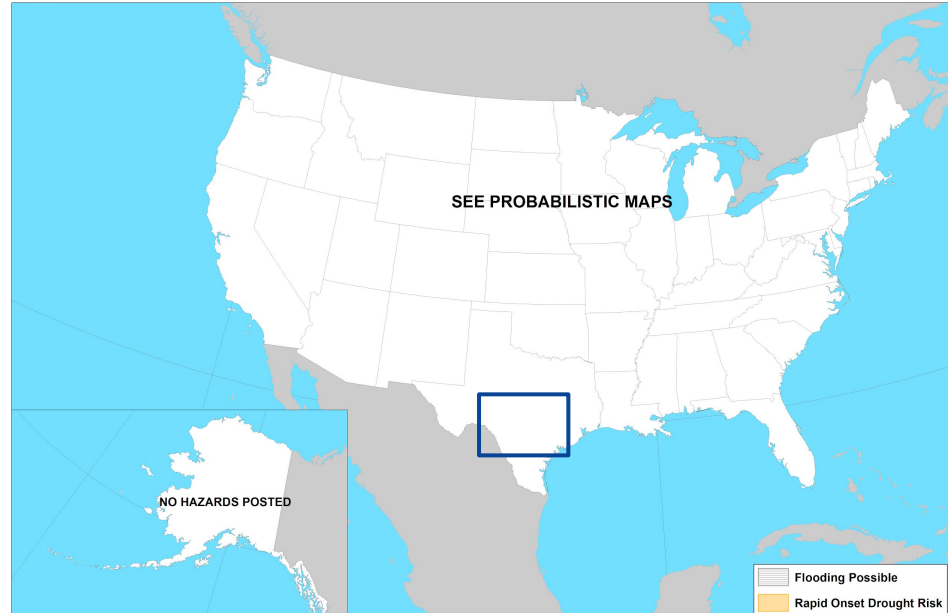
Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- Not applicable.



Day 8-14 U.S. Hazards Outlook
Valid: 11/11/2023-11/17/2023



Climate Prediction Center
Made: 11/03/2023 3PM EDT

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www.cpc.ncep.noaa.gov

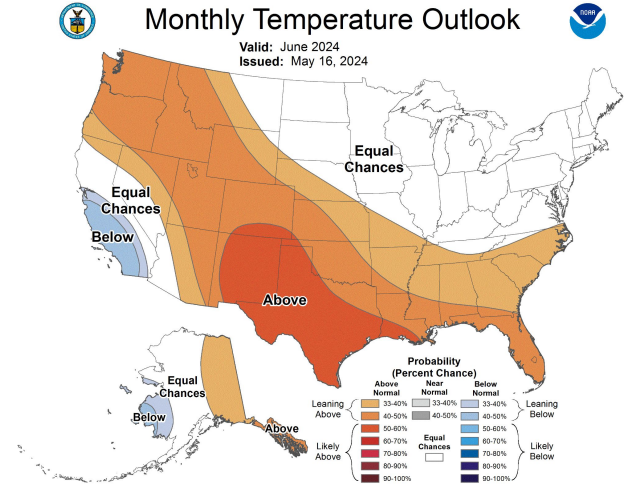
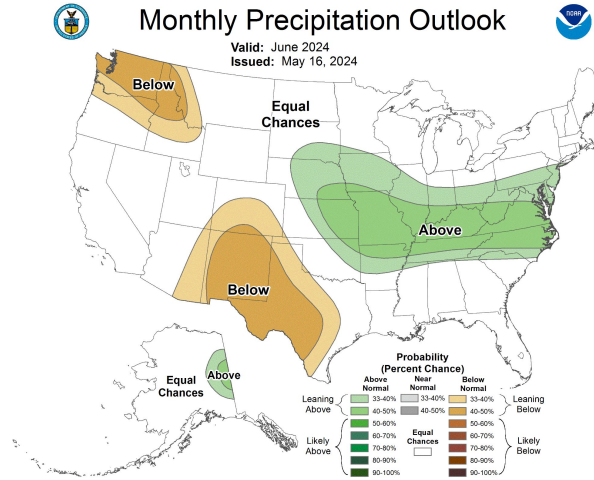




Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Monthly and seasonal forecasts have low predictability since we are in the rain shadow of the Rockies. We are in the time of year when precipitation comes in the form of isolated to scattered thunderstorms instead of widespread, general rains.
- The outlook calls for above average temperatures and above normal to equal chance precipitation.





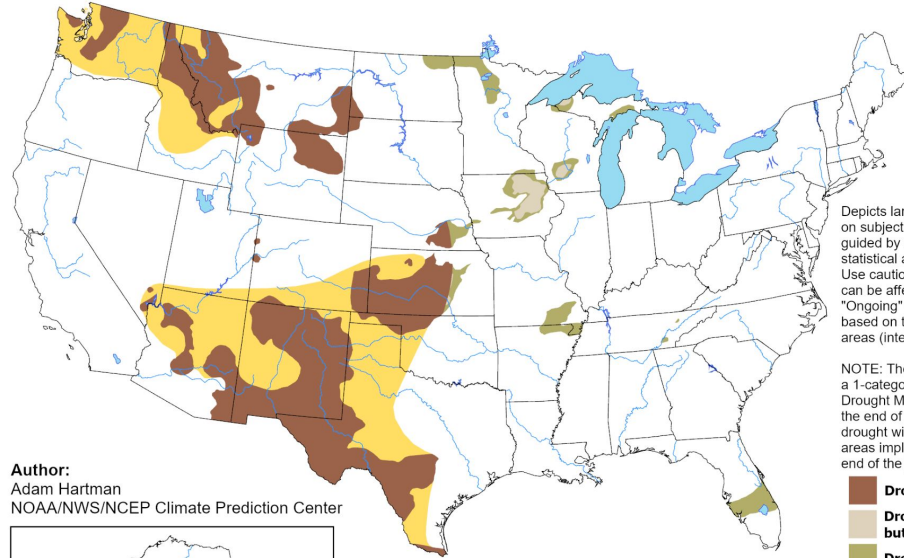
Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The seasonal outlook is for continued drought.
- The monthly outlook for June will be issued on 31 May.

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for May 16 - August 31, 2024
Released May 16, 2024

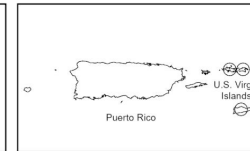
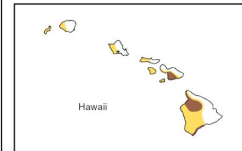
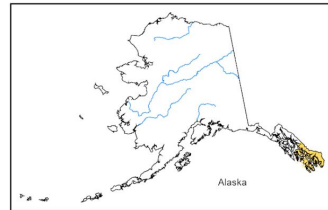


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought

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<https://go.usa.gov/3eZ73>

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
[Dodge City]