

Arizona Climate Summary

Summary of conditions for January 2025

Published February 26, 2025

January 2025 Summary

This January ranked as the 43rd coldest on record with an anomaly of 1.0°F below the 1895-2025 mean of 41.1°F. Arizona received an average of 0.11 inches of precipitation, tying with 1924 as the 5th driest January on record. For the water year to date (October-January), the state tied as the 11th warmest and ranked as the 4th driest. By January 31, snowpack was well below average in the Little Colorado (18% median SWE), Verde (13% median SWE), and Salt (2% median SWE) basins.

The month began with a ridge of high pressure over Arizona, bringing warm and dry conditions. New record high temperatures were set in many locations on January 2 and January 3, including Seligman (70°F on the 2nd; previous record 67°F in 2012 and 1997), Prescott (68°F on the 2nd; previous record 67°F in 1997 and 67°F on the 3rd; previous record 65°F in 1994), Flagstaff (63°F on the 2nd; previous record 60°F in 1902), Phoenix (81°F on the 3rd; previous record 79°F in 1989 and 3 other years), Window Rock (62°F on the 3rd; previous record 59°F in 2012), and the Grand Canyon Airport (61°F on the 3rd; previous record 58°F in 2012 and 2003).

From January 7 to January 8, a storm system brought rain and high elevation snow to a few areas, including Flagstaff (0.01 inches of precipitation on the 7th; 0.1 inches of snow), Bright Angel (0.10 inches of precipitation on the 8th; 2.0 inches of snow), Coronado National Memorial (0.09 inches of precipitation on the 8th), and Phoenix and Tucson (each received a trace of precipitation on the 8th). In northern Arizona, 7.0 inches of snow was recorded northwest of the San Francisco Peaks, while areas near Doney Park received up to 3.5 inches of snow. In southeastern Arizona, 4.0 inches of snow was measured in Summerhaven, and 1.0 inch of snow was observed in Hereford.

Another disturbance occurred on January 9, bringing colder temperatures and gusty winds. The fastest wind gust, 84 miles per hour, was measured at the Arizona Snowbowl at 11,555 feet. Some locations received rain, including Coronado National Memorial (0.05 inches), Duncan (0.03 inches), Bisbee-Douglas (trace), and Robson Ranch (trace), while higher elevations received a trace of snow (Flagstaff, Heber, Window Rock, and Winslow).

A low pressure system passed through the state from January 16 into January 17. On January 16, Prescott received 0.01 inches of precipitation, and Deer Valley received a trace of precipitation. On January 17, Bellemont received 0.1 inches of snow, Natural Bridge State Park received 0.05 inches of precipitation, Safford received 0.03 inches of precipitation,

Data are preliminary and are from NOAA Regional Climate Centers and the National Weather Service Forecast Offices in Flagstaff, Phoenix, Tucson, and Las Vegas.

<u>Note</u>: Weather stations across the state have different reporting times. Official daily temperature and precipitation values are recorded at the airports from midnight to midnight, while statewide observations are taken at varying times throughout the day.

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Prescott received an additional 0.01 inches of precipitation, and East Mesa received 0.01 inches of precipitation. With this system, a few locations ended their dry streaks, including Winslow (70 days), Prescott (60 days), and Bagdad (60 days).

A dry cold front moved across the state on January 20, leaving behind a dry and bitterly cold air mass. A wind gust of 89 miles per hour was measured again at the Arizona Snowbowl at 10:40pm that night, and early the next morning (January 21), a wind gust of 82 miles per hour was measured at Humbug Creek in Yavapai County. Dew point temperatures across much of the state were below 0°F, with some areas in higher elevations falling as low as -30°F to -40°F, indicating very dry air. New record low temperatures were set in a few locations, including Window Rock (-13°F; previous record -1°F in 2013 and 2006), Saint John's (-5°F; previous record -3°F in 1987), and Prescott (10°F; previous record 12°F in 1990 and 1955).

Another dry system affected Arizona on January 23, bringing very strong winds. The fastest wind gust occurred again at the Arizona Snowbowl, which measured 115 miles per hour. For the next few days, conditions remained very dry with gusty winds, which led the National Weather Service in Flagstaff and Tucson to issue their first Red Flag Warnings of the year for the Mogollon Rim, White Mountains, Little Colorado River Valley, and portions of southeastern Arizona.

A winter storm system brought rain and mountain snow to some areas from January 27-30. Bright Angel received 0.80 inches of precipitation (8.5 inches of snow), Walnut Creek received 0.37 inches of precipitation (8.0 inches of snow), Flagstaff received 0.18 inches of precipitation (3.1 inches of snow), Kingman received 0.59 inches of precipitation, San Manuel received 0.16 inches of precipitation, East Mesa received 0.12 inches of precipitation, Apache Junction received 0.11 inches of precipitation, Tucson received 0.10 inches of precipitation, and Phoenix received 0.01 inches of precipitation, which ended their dry streak of 159 days (this was one day short of the record of 160 days set in 1972).

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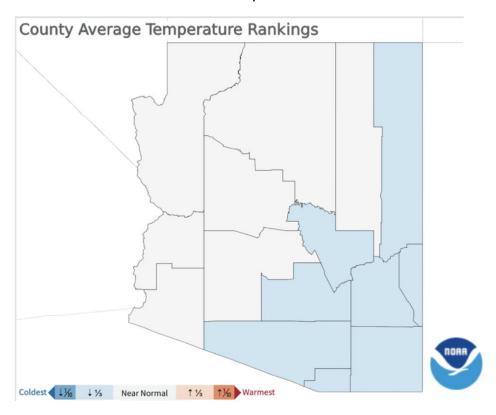






Statewide Average Temperature per County

January 2025



The **average** state temperature for January was **40.1°F**, ranking as the **43rd coldest** January within the period of record. The **1895-2025 mean average** state temperature for January was **41.1°F**, resulting in an **anomaly** of **-1.0°F**.

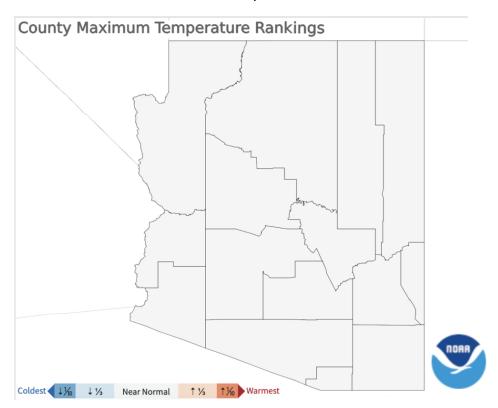
County	Average Temperature	Rank (131 Years)	Anomaly From the 1895-2025 mean
Apache	28.0°F	Tied 39 th coldest	-2.1°F
Cochise	41.3°F	29 th coldest	-2.5°F
Coconino	31.7°F	Tied 48 th coldest	-0.6°F
Gila	40.3°F	Tied 43 rd coldest	-1.1°F
Graham	41.2°F	Tied 33 rd coldest	-1.7°F
Greenlee	36.5°F	Tied 27 th coldest	-2.2°F
La Paz	52.0°F	Tied 61 st hottest	+0.3°F
Maricopa	50.9°F	Tied 55 th coldest	-0.5°F
Mohave	42.5°F	Tied 54 th coldest	-0.3°F
Navajo	29.8°F	Tied 45 th coldest	-1.0°F
Pima	48.8°F	39 th coldest	-1.2°F
Pinal	48.9°F	Tied 41st coldest	-1.0°F
Santa Cruz	42.6°F	Tied 30 th coldest	-2.1°F
Yavapai	40.3°F	Tied 46 th coldest	-1.1°F
Yuma	53.6°F	Tied 59 th hottest	+0.2°F

Period of record: 1895-2025



Statewide Maximum Temperature per County

January 2025



The **average maximum** state temperature for January was **54.4°F**, tying as the **53rd hottest** January within the period of record. The **1895-2025 mean maximum** state temperature for January was **53.5°F**, resulting in an anomaly of **+0.9°F**.

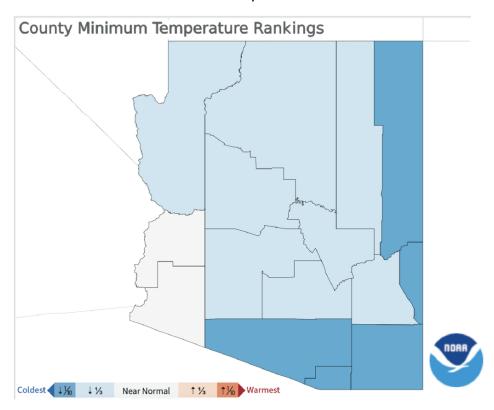
County	Maximum Temperature	Rank (131 Years)	Anomaly From the 1895-2025 mean
Apache	44.1°F	Tied 48 th hottest	+1.6°F
Cochise	57.8°F	Tied 62 nd coldest	0.0°F
Coconino	45.5°F	Tied 54 th hottest	+1.3°F
Gila	54.5°F	52 nd hottest	+1.1°F
Graham	54.2°F	Tied 56 th coldest	-0.4°F
Greenlee	50.7°F	Tied 63 rd coldest	0.0°F
La Paz	64.9°F	Tied 59 th hottest	+0.5°F
Maricopa	65.4°F	Tied 47 th hottest	+1.2°F
Mohave	54.0°F	Tied 55 th hottest	+0.7°F
Navajo	44.8°F	Tied 46 th hottest	+1.9°F
Pima	64.8°F	Tied 47 th hottest	+1.1°F
Pinal	63.2°F	Tied 54 th hottest	+0.7°F
Santa Cruz	59.3°F	Tied 61 st hottest	+0.4°F
Yavapai	55.0°F	Tied 53 rd hottest	+1.0°F
Yuma	67.6°F	Tied 52 nd hottest	+0.8°F

Period of record: 1895-2025



Statewide Minimum Temperature per County

January 2025



The **average minimum** state temperature for January was **25.8°F**, ranking as the **21st coldest** January within the period of record. The **1895-2025 mean minimum** state temperature for January was **28.7°F**, resulting in an anomaly of **-2.9°F**.

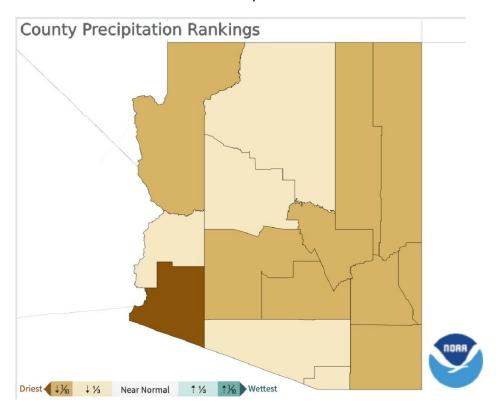
County	Minimum Temperature	Rank (131 Years)	Anomaly From the 1895-2025 mean
Apache	12.0°F	Tied 9 th coldest	-5.6°F
Cochise	24.8°F	Tied 6 th coldest	-4.9°F
Coconino	17.8°F	Tied 29 th coldest	-2.7°F
Gila	26.1°F	18 th coldest	-3.3°F
Graham	28.1°F	Tied 19 th coldest	-3.0°F
Greenlee	22.2°F	8 th coldest	-4.6°F
La Paz	39.2°F	63 rd coldest	+0.1°F
Maricopa	36.4°F	Tied 32 nd coldest	-2.2°F
Mohave	31.0°F	Tied 40 th coldest	-1.3°F
Navajo	14.7°F	Tied 20 th coldest	-3.9°F
Pima	32.8°F	12 th coldest	-3.5°F
Pinal	34.5°F	Tied 24 th coldest	-2.8°F
Santa Cruz	26.0°F	Tied 9 th coldest	-4.5°F
Yavapai	25.7°F	21 st coldest	-3.1°F
Yuma	39.7°F	Tied 58 th coldest	-0.3°F

Period of record: 1895-2025



Statewide Total Precipitation per County

January 2025



The average state precipitation for January was **0.11 inches**, tying as the **5th driest** January within the period of record. The **1895-2025 mean state precipitation** for January was **1.15 inches**, resulting in an anomaly of **-1.04** inches.

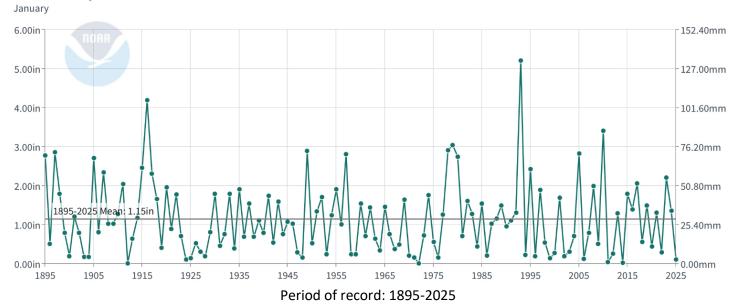
County	Precipitation	Rank (131 Years)	Anomaly From the 1895-2025 mean
Apache	0.09''	Tied 5 th driest	-0.92"
Cochise	0.05"	Tied 10 th driest	-0.96"
Coconino	0.22"	16 th driest	-1.01"
Gila	0.12"	6 th driest	-2.09"
Graham	0.10"	10 th driest	-1.19"
Greenlee	0.17"	Tied 11 th driest	-1.20''
La Paz	0.03"	Tied 17 th driest	-0.66"
Maricopa	0.04"	10 th driest	-0.99''
Mohave	0.07"	Tied 11 th driest	-1.07"
Navajo	0.14"	Tied 9 th driest	-0.82"
Pima	0.05"	16 th driest	-0.92"
Pinal	0.09"	Tied 13 th driest	-1.11"
Santa Cruz	0.11"	20 th driest	-1.16"
Yavapai	0.20''	Tied 14 th driest	-1.46"
Yuma	0.00''	Tied driest	-0.60''

Period of record: 1895-2025



January Statewide Precipitation (1895 to date)

Arizona Precipitation



This chart shows average Arizona precipitation each January through the period of record (1895 to present). January 2025 tied as the 5th driest with an average of **0.11 inches**, which is **1.04 inches below** the **1895-2025** average of **1.15 inches**. This was the driest January since 2014.

Flagstaff Climate Statistics

January 2025

This tied as the 52^{nd} coldest January Total January Precipitation: 0.19" on record (9/10/1898 to present). With 0.19 Normal January Precipitation: 2.05" inches of precipitation, it tied as the 11^{th} driest Departure from Normal: -1.86" January on record. Greatest 24-Hr Precip: 0.09" on 27^{th}

Avg Max Temp:43.1°FNormal: 43.4°FTotal Precipitation Year-to-Date:0.19"Avg Min Temp:13.7°FNormal: 17.6°FNormal Precipitation Year-to-Date:2.05"Avg Mean Temp:28.4°FNormal: 30.5°FDeparture from Normal:-1.86"Total Precip Year-to-Date (Last Year):1.53"

Highest Monthly Avg Temp: 37.1°F in 2003

Lowest Monthly Avg Temp: 12.7°F in 1937

Greatest January Precipitation: 9.55" in 1993

Least January Precipitation: 0.00" in 1972

Highest Temp this month: 63°F on 2nd
Lowest Temp this month: 2°F on 14th
Total January Snowfall: 3.2"

Record High: 66°F on 1/30/1971 Departure from Normal: -17.7"

Record Low: -30°F on 1/22/1937 Greatest 24-Hr Snowfall: 1.3" on 27th

<u>Temperature or precipitation records this month:</u>
Highest maximum temperature: 63°F on 1/2/2025;
Greatest January Snowfall: 104.8" in 1949
Least January Snowfall: 0.0" in 1972

Average Wind Speed: 7.6 mph
Flagstaff Number of Days of: Highest Wind Speed: 41 mph f

Flagstaff Number of Days of:

Minimum Temp 32°F or lower

Minimum Temp 0°F or lower

Minimum Temp 0°F or lower

Highest Wind Speed: 41 mph from 40° on 23rd

Highest Peak Gust: 60 mph from 60° on 23rd

Maximum Temp 32°F or lower 4
Measurable Rain (0.01" or greater) 4
Data are from NOAA Regional Climate Centers and are preliminary.

Normals on this page are from 1991-2020

previous record 60°F on 1/2/1902

	JANUARY 2025 FLAGSTAFF AVERAGE DAILY TEMPERATURE							
	ABOVE AVERAGE BELOW +/- 0.5°F							
	S	М	Т	W	Th	F	S	
				1	2	3	4	
	5	6	7	8	9	10	11	
	12	13	14	15	16	17	18	
	19	20	21	22	23	24	25	
	26	27	28	29	30	31		

Flagstaff measured 11 days of above average temperatures, 1 day of average temperatures, and 19 days of below average temperatures this month.

Phoenix Climate Statistics

January 2025

This tied as the 38th hottest January on record (8/6/1895 to present). With 0.01 inches of precipitation, it tied as the 12th driest January on record.

Total January Precipitation: 0.01"

Normal January Precipitation: 0.87"

Departure from Normal: -0.86"

Greatest 24-Hr Precip: 0.01" on 29th

Avg Max Temp: 67.8°F Normal: 67.6°F Avg Min Temp: 43.4°F Normal: 46.0°F Avg Mean Temp: 55.6°F Normal: 56.8°F

Total Precipitation Year-to-Date: 0.01"

Normal Precipitation Year-to-Date: 0.87"

Departure from Normal: -0.86"

Total Precip Year-to-Date (Last Year): 0.73"

Highest Monthly Avg Temp: 62.0°F in 2003 Lowest Monthly Avg Temp: 43.1°F in 1937

Greatest January Precipitation: 5.22" in 1993 Least January Precipitation: 0.00" in 2014 and 10 other years

Highest Temp this month: 81°F on 3rd Lowest Temp this month: 37°F on 12th, 13th,

14th, 23rd Average Wind Speed: 5.9 mph

Record High: 88°F on 1/19/1971

Highest Wind Speed: 32 mph from 50° on 21st Highest Peak Gust: 48 mph from 80° on 8th

Record Low: 16°F on 1/7/1913

Data are from NOAA Regional Climate Centers and are **preliminary.**

Temperature or precipitation records this month:
Highest maximum temperature: 81°F on 1/3/2025;
previous record 79°F on 1/3/1989, 1/3/1981,
and 2 other years

Normals on this page are from 1991-2020

Phoenix Number of Days of:

Minimum Temp 32°F or lower 0 Measurable Rain (0.01" or greater) 1 Trace Rain (less than 0.01") 2

Γ	JANUARY 2025 PHOENIX AVERAGE DAILY TEMPERATURE							
	ABOVE AVERAGE BELOW +/- 0.5°F							
	S	М	т	W	Th	F	S	
				1	2	3	4	
	5	6	7	8	9	10	11	
	12	13	14	15	16	17	18	40
	19	20	21	22	23	24	25	Slima
	26	27	28	29	30	31		totol
*Data are	19 20 21 22 23 24 25 26 27 28 29 30 31							

Phoenix observed 11 days of above average temperatures and 20 days of below average temperatures this month.

Tucson Climate Statistics

January 2025

This ranked as the 61st coldest January on record (9/1/1894 to present). With 0.10 inches of precipitation, it tied as the 25th driest January on record.

Total January Precipitation: 0.10"

Normal January Precipitation: 0.84"

Departure from Normal: -0.74"

Greatest 24-Hr Precip: 0.10" on 29th

Avg Max Temp: 65.5°F Normal: 66.5°F Avg Min Temp: 36.5°F Normal: 40.8°F Avg Mean Temp: 51.0°F Normal: 53.6°F

Total Precipitation Year-to-Date: 0.10"

Normal Precipitation Year-to-Date: 0.84"

Departure from Normal: -0.74"

Total Precip Year-to-Date (Last Year): 1.77"

Highest Monthly Avg Temp: 59.1°F in 2018 Lowest Monthly Avg Temp: 41.2°F in 1937

Greatest January Precipitation: 4.81" in 1993 Least January Precipitation: 0.00" in 2014 and 10 other years

Highest Temp this month: 85°F on 3rd Lowest Temp this month: 24°F on 23rd

Total January Snowfall: 0.0"

Normal January Snowfall: 0.0"

Departure from Normal: 0.0"

Record High: 88°F on 1/4/1927 Record Low: 6°F on 1/7/1913

> Greatest January Snowfall: 6.0" in 1898 Least January Snowfall: 0.0" in 2025 and numerous years

No temperature or precipitation records this month.

Average Wind Speed: 6.7 mph

Tucson Number of Days of:

Minimum Temp 32°F or lower 7

Measurable Rain (0.01" or greater) 1

Trace Rain (less than 0.01") 2

Highest Wind Speed: 29 mph from 120° on 24th Highest Peak Gust: 39 mph from 120° on 8th

Data are from NOAA Regional Climate Centers and are **preliminary.**

Normals on this page are from 1991-2020



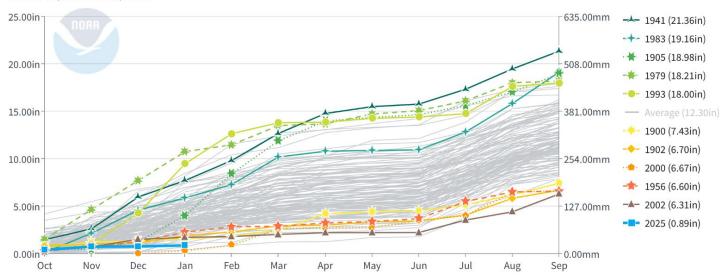
JANUARY 2025 TUCSON AVERAGE DAILY TEMPERATURE							
ABOVE AVERAGE BELOW +/- 0.5°F							
S	М	Т	W	Th	F	S	
			1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31		
ata are from the National Weather Service office in Tucson and are preliminary.							

Tucson recorded 10 days of above average temperatures, 1 day of average temperatures, and 20 days of below average temperatures this month.

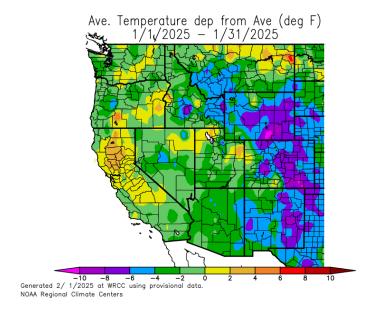
Cumulative Statewide Precipitation per Water Year (Oct 2024-Sept 2025)

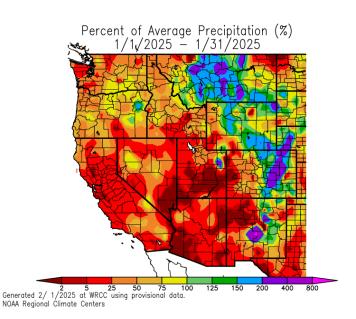
Arizona

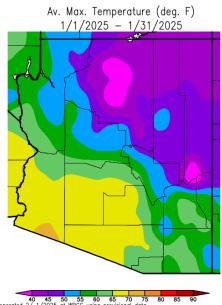
October-September Precipitation

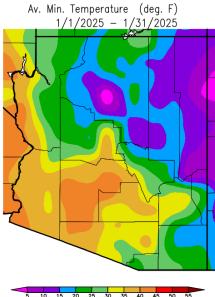


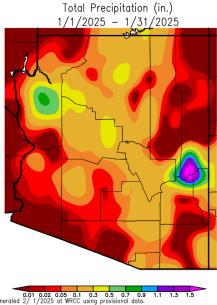
The 5 wettest Water Years are shown with green lines, the 5 driest Water Years are shown with brown lines, and the current Water Year is the blue line. The average state cumulative Water Year precipitation (October-January) was 0.89 inches, which is 3.06 inches below the October-January average of 3.95 inches.





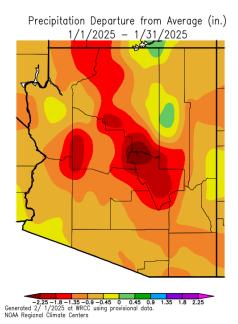


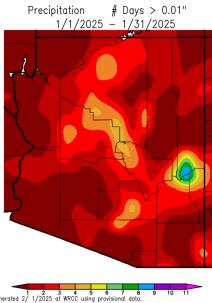


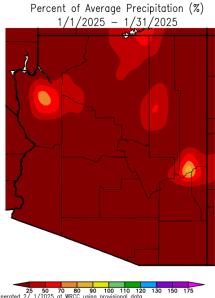


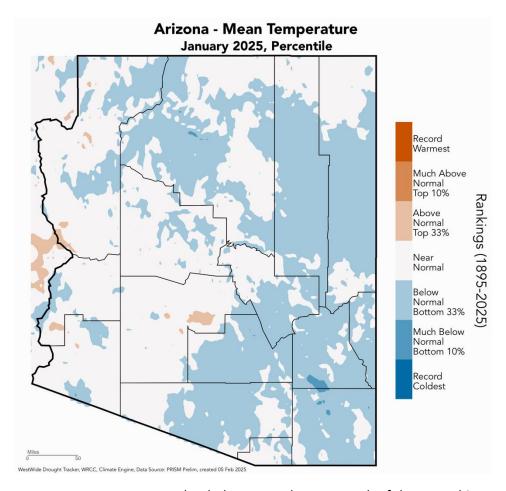
40 45 50 55 60 65 70 75 80 85 90 Generated 2/ 1/2025 at WRCC using provisional data. NOAA Regional Climate Centers

0.01 0.02 0.05 0.1 0.3 0.5 0.7 0.9 1.1 1.3 1.5 Generated 2/ 1/2025 at WRCC using provisional data. NOAA Regional Climate Centers

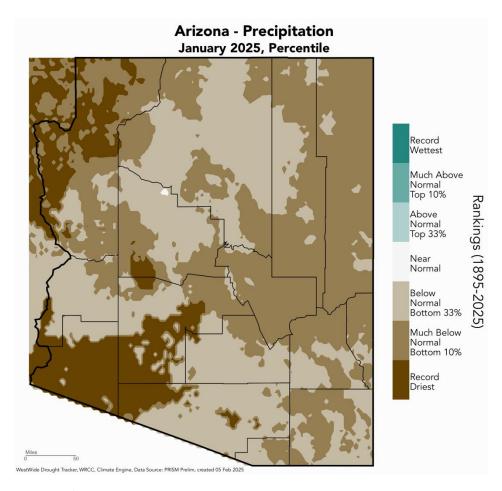




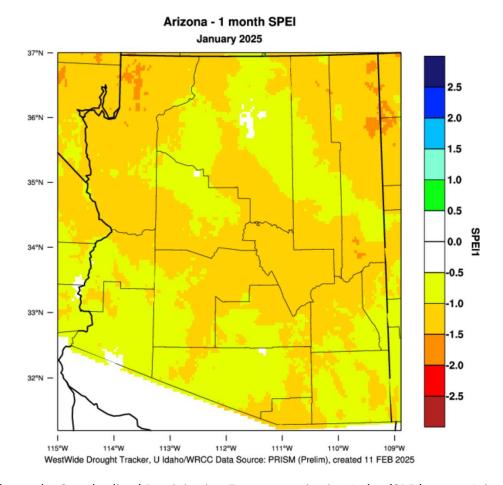




Temperatures were near normal to below normal across much of the state this month.

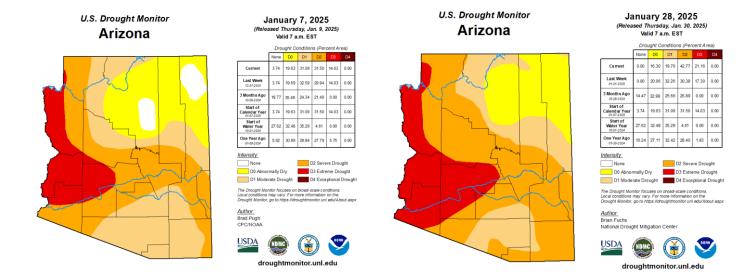


A series of dry weather systems led to an overall drier month across the state.



This map shows the Standardized Precipitation Evapotranspiration Index (SPEI) across Arizona. January precipitation and evapotranspiration totals are measured across the state and are compared to previous January precipitation and evapotranspiration totals through the period of record (1895-present). Positive values represent wet conditions, while negative values represent dry conditions.

Short-term Drought



Short-term drought expanded with a drier but cooler January. Extreme (D3) short-term drought increased along western and central Arizona while Severe (D2) short-term drought developed along southeastern Arizona.

Percent of Statewide Area Change in Short-term Drought

Category	January 7, 2025	January 28, 2025	Change
No Drought	4	0	-4
D0 – Abnormally Dry	20	16	-4
D1 – Moderate Drought	31	20	-11
D2 – Severe Drought	32	43	+11
D3 – Extreme Drought	14	21	+7
D4 – Exceptional Drought	0	0	0











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