September 2023 Summary

This September, Arizona’s average temperature was 73.7°F. With a departure of +1.3°F from the 1895-2023 mean, it ranked as the 30th warmest September on record. Statewide, Arizona received 1.14 inches of precipitation, which is 0.03 inches below the 1895-2023 mean. This year, the legacy end date for the monsoon season in Phoenix and Tucson was September 13.

From September 1-3, a low pressure system over northern California advected moisture into Arizona, bringing widespread showers and thunderstorms. On September 1, Carefree received 2.65 inches of precipitation, Organ Pipe Cactus NM received 1.35 inches of precipitation, Kingman received 1.20 inches of precipitation, and Tempe received 0.20 inches of precipitation. A mesoscale convective system was also observed in Yuma County. On September 2, Yuma received 1.67 inches of precipitation, Seligman received 1.62 inches of precipitation, and Tombstone received 0.28 inches of precipitation. On September 3, Tacna received 0.73 inches of precipitation, Sunset Crater received 0.56 inches of precipitation, and Pipe Spring received 0.19 inches of precipitation.

An upper level trough triggered light showers in Heber (0.09 inches), Bright Angel (0.01 inches), and Betatakin (trace) on September 4. Isolated thunderstorms affected portions of Cochise County on September 6-7, including Coronado National Memorial (0.01 inches) and Bisbee Douglas International Airport (trace).

A high pressure system over New Mexico brought moisture to northern Arizona on September 8, which triggered isolated showers and thunderstorms in Bellemont (0.06 inches) and Flagstaff (trace). Light showers also affected locations along the international border, including Coronado NM (0.02 inches). On September 9, Sunset Crater received 0.24 inches of precipitation, Prescott and Natural Bridge received 0.10 inches of precipitation, Fort Valley received 0.03 inches of precipitation, and Douglas received a trace of precipitation.

On September 10, a weak shortwave moved across northern Arizona, bringing an additional round of showers and thunderstorms. Page received 0.31 inches of precipitation, Bright Angel received 0.12 inches of precipitation, Williams received 0.10 inches of precipitation, and Kingman received a trace of precipitation. Locations in Cochise County also received precipitation, including Coronado NM (0.02 inches), Sierra Vista (trace), and Safford (trace).

A trough over the western United States, a series of shortwaves, and increased moisture from remnants of Hurricane Jova triggered showers across the state from September 11-13. On September 11, Green Valley received 0.26 inches of precipitation, Window Rock received 0.07 inches of precipitation, Betatakin received 0.06 inches of precipitation, and Scottsdale received a trace of precipitation.
On September 12, areas along the White Mountains and portions of Yavapai and Gila counties experienced heavy rainfall, with some locations receiving between 1 to 2 inches. In south-central Arizona, a peak wind speed of 60-90 mph was estimated. Power outages occurred, large trees were uprooted, and roofs were damaged. Northeastern portions of Maricopa County received over an inch, while some locations across the Phoenix Metro area received between 0.25 to 0.50 inches. 0.02 inches were measured at Sky Harbor International Airport, and golf ball sized hail was reported in Chandler. Thunderstorms also occurred in southeastern Arizona, impacting Douglas (1.75 inches), Green Valley (1.33 inches), and Coronado NM (0.82 inches). On September 13, Globe received 1.02 inches, Safford received 0.94 inches, Carefree received 0.56 inches of precipitation, Alpine received 0.55 inches of precipitation, and Show Low received 0.42 inches of precipitation. At 2:03am, a 69 mph wind gust was measured at Guthrie Peak.

Storms continued on September 14 due to lingering moisture. Globe received 0.96 inches of precipitation, Jerome received 0.70 inches of precipitation, Coronado NM received 0.66 inches of precipitation, Fountain Hills received 0.38 inches of precipitation, and Window Rock received 0.33 inches of precipitation.

On September 15, a weak trough passed through northern Arizona, bringing precipitation to Wupatki (1.12 inches), Bellemont (0.34 inches), Petrified Forest (0.21 inches), Pipe Spring (0.15 inches), Jerome (0.08 inches), and Wikieup (0.04 inches). On September 16, Sunset Crater received 0.13 inches of precipitation, Walnut Canyon received 0.07 inches of precipitation, and Betatakin received 0.01 inches of precipitation.

On September 17, a low pressure system over the California coast shifted east. This, along with a ridge over Arizona, brought moisture to northern locations. Isolated showers and thunderstorms occurred in Window Rock (0.25 inches), Heber (0.01 inches), the Grand Canyon (trace), Natural Bridge (trace), and Page (trace).

A weak shortwave passed through portions of eastern Arizona on September 18, bringing precipitation to Springerville (0.97 inches), Petrified Forest (0.26 inches), Canyon de Chelly (0.21 inches), and Alpine (0.04 inches). On September 20-21, portions of southeastern Arizona saw light rain, including Coronado NM (0.01 inches each day), Tucson (trace on the 20th), Safford (trace on the 20th), Tombstone (0.05 inches on the 21st), and Willcox (0.01 inches on the 21st).

On September 23, a trough combined with moisture from remnants of Tropical Cyclone Kenneth produced showers in Bright Angel (0.78 inches), the Grand Canyon (0.36 inches), Parker (0.22 inches), Page (0.21 inches), and Phantom Ranch (0.18 inches). On September 30, a shortwave passed through northern Arizona, bringing precipitation to the Grand Canyon (0.32 inches) and Window Rock (trace).
The average state temperature for September was 73.7°F, ranking as the 30\textsuperscript{th} warmest September within the period of record. The 1895-2023 mean average state temperature for September was 72.4°F, resulting in an anomaly of +1.3°F.

<table>
<thead>
<tr>
<th>County</th>
<th>Temperature °F</th>
<th>Rank (129 Years)</th>
<th>Anomaly °F From the 1895-2023 mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache</td>
<td>64.4</td>
<td>105</td>
<td>+1.8</td>
</tr>
<tr>
<td>Cochise</td>
<td>75.0</td>
<td>127</td>
<td>+3.1</td>
</tr>
<tr>
<td>Coconino</td>
<td>65.2</td>
<td>73</td>
<td>+0.4</td>
</tr>
<tr>
<td>Gila</td>
<td>73.4</td>
<td>116</td>
<td>+2.1</td>
</tr>
<tr>
<td>Graham</td>
<td>75.3</td>
<td>124</td>
<td>+2.8</td>
</tr>
<tr>
<td>Greenlee</td>
<td>70.3</td>
<td>121</td>
<td>+2.6</td>
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<tr>
<td>La Paz</td>
<td>84.2</td>
<td>68</td>
<td>+0.2</td>
</tr>
<tr>
<td>Maricopa</td>
<td>84.3</td>
<td>99</td>
<td>+1.6</td>
</tr>
<tr>
<td>Mohave</td>
<td>74.1</td>
<td>51</td>
<td>-0.6</td>
</tr>
<tr>
<td>Navajo</td>
<td>66.2</td>
<td>105</td>
<td>+1.7</td>
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<tr>
<td>Pima</td>
<td>82.0</td>
<td>121</td>
<td>+2.7</td>
</tr>
<tr>
<td>Pinal</td>
<td>83.5</td>
<td>117</td>
<td>+2.6</td>
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<td>Santa Cruz</td>
<td>74.4</td>
<td>128</td>
<td>+3.1</td>
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<td>Yavapai</td>
<td>71.6</td>
<td>83</td>
<td>+0.7</td>
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<tr>
<td>Yuma</td>
<td>85.6</td>
<td>84</td>
<td>+0.9</td>
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</tbody>
</table>

Period of record: 1895-2023; 129 = hottest or wettest and 1 = coldest or driest
The average maximum state temperature for September was 88.4°F, ranking as the 31st warmest September within the period of record. The 1895-2023 mean maximum state temperature for September was 86.7°F, resulting in an anomaly of +1.7°F.

<table>
<thead>
<tr>
<th>County</th>
<th>Temperature °F</th>
<th>Rank (129 Years)</th>
<th>Anomaly °F From the 1895-2023 mean</th>
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<tbody>
<tr>
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<td>Cochise</td>
<td>90.4</td>
<td>126</td>
<td>+4.5</td>
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<tr>
<td>Coconino</td>
<td>80.2</td>
<td>66</td>
<td>+0.2</td>
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<tr>
<td>Gila</td>
<td>88.1</td>
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<td>+2.9</td>
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<td>89.0</td>
<td>120</td>
<td>+3.3</td>
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<td>84.2</td>
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<td>La Paz</td>
<td>97.6</td>
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<td>Mohave</td>
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<td>Navajo</td>
<td>82.1</td>
<td>110</td>
<td>+2.6</td>
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<td>Pima</td>
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<td>123</td>
<td>+3.8</td>
</tr>
<tr>
<td>Pinal</td>
<td>98.0</td>
<td>120</td>
<td>+3.5</td>
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<tr>
<td>Santa Cruz</td>
<td>89.4</td>
<td>126</td>
<td>+4.4</td>
</tr>
<tr>
<td>Yavapai</td>
<td>86.7</td>
<td>82</td>
<td>+0.9</td>
</tr>
<tr>
<td>Yuma</td>
<td>100.0</td>
<td>79</td>
<td>+0.8</td>
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Period of record: 1895-2023; 129 = hottest or wettest and 1 = coldest or driest
The average minimum state temperature for September was 59.0°F, ranking as the 45th warmest September within the period of record. The 1895-2023 mean minimum state temperature for September was 58.0°F, resulting in an anomaly of +1.0°F.

<table>
<thead>
<tr>
<th>County</th>
<th>Temperature °F</th>
<th>Rank (129 Years)</th>
<th>Anomaly °F From the 1895-2023 mean</th>
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<td>Cochise</td>
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<td>Coconino</td>
<td>50.2</td>
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<td>Gila</td>
<td>58.8</td>
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<td>+1.5</td>
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<tr>
<td>Graham</td>
<td>61.7</td>
<td>114</td>
<td>+2.3</td>
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<td>Greenlee</td>
<td>56.4</td>
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<td>La Paz</td>
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<td>Maricopa</td>
<td>70.0</td>
<td>90</td>
<td>+1.3</td>
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<td>Mohave</td>
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<td>63</td>
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<td>Navajo</td>
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<td>Pima</td>
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<td>101</td>
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<tr>
<td>Pinal</td>
<td>69.0</td>
<td>100</td>
<td>+1.7</td>
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<td>Santa Cruz</td>
<td>59.4</td>
<td>114</td>
<td>+1.9</td>
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<tr>
<td>Yavapai</td>
<td>56.5</td>
<td>71</td>
<td>+0.5</td>
</tr>
<tr>
<td>Yuma</td>
<td>71.1</td>
<td>80</td>
<td>+0.9</td>
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</table>

Period of record: 1895-2023; 129 = hottest or wettest and 1 = coldest or driest
The average state precipitation for September was 1.14 inches, ranking as the 64th driest September within the period of record. The 1895-2023 mean state precipitation for September was 1.17 inches, resulting in an anomaly of -0.03 inches.

<table>
<thead>
<tr>
<th>County</th>
<th>Precipitation (Inch)</th>
<th>Rank (129 Years)</th>
<th>Anomaly (Inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache</td>
<td>0.73</td>
<td>34</td>
<td>-0.60</td>
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<td>Cochise</td>
<td>1.09</td>
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<td>Coconino</td>
<td>1.46</td>
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<td>1.42</td>
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<td>Graham</td>
<td>2.20</td>
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<tr>
<td>Greenlee</td>
<td>1.67</td>
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<td>-0.16</td>
</tr>
<tr>
<td>La Paz</td>
<td>0.73</td>
<td>94</td>
<td>+0.20</td>
</tr>
<tr>
<td>Maricopa</td>
<td>0.77</td>
<td>72</td>
<td>-0.06</td>
</tr>
<tr>
<td>Mohave</td>
<td>1.57</td>
<td>108</td>
<td>+0.77</td>
</tr>
<tr>
<td>Navajo</td>
<td>1.09</td>
<td>66</td>
<td>-0.13</td>
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<tr>
<td>Pima</td>
<td>0.51</td>
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<tr>
<td>Pinal</td>
<td>0.75</td>
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<td>0.79</td>
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<td>-1.11</td>
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<tr>
<td>Yavapai</td>
<td>1.23</td>
<td>61</td>
<td>-0.16</td>
</tr>
<tr>
<td>Yuma</td>
<td>1.09</td>
<td>113</td>
<td>+0.61</td>
</tr>
</tbody>
</table>

Period of record: 1895-2023; 129 = hottest or wettest and 1 = coldest or driest
This chart shows average Arizona precipitation each September through the period of record (1895 to present). September 2023 ranked as the 64th driest with an average of 1.14 inches, which is 0.03 inches below the 1895-2023 average of 1.17 inches. This was the driest August since 2020.
Cumulative Statewide Precipitation (Jan-Dec)

In the interactive chart below, the **5 wettest years**, **5 driest years**, **current year**, and **period of record average** are highlighted to stand out. All other years are in light gray.

**Period of record: 1895-2023**

The 5 wettest years are shown with green lines and the 5 driest years are shown with brown lines. The current year is the blue line, and the average annual precipitation (period of record) is the black line. The average state cumulative precipitation at the end of September was 9.38 inches, which is 0.02 inches below the January-September average of 9.40 inches.
This was the 41st warmest September on record (1924-2023). With 0.30 inches of precipitation, it ranked as the 16th driest September on record.

Avg Max Temp(F)  75.0   Normal  74.1
Avg Min Temp(F)  42.7   Normal  42.5
Avg Mean Temp(F) 58.8   Normal  58.3

Heating Degree Days    178    Normal  204
Cooling Degree Days    2      Normal  4

Degree base 65°F

Total September Precipitation  0.29''
Normal September Precipitation 1.84''
Departure from Normal       -1.55''
Greatest 24-Hr Precip       0.13'' on 2nd

Highest Monthly Avg Temp (F):  61.8 in 1933
Lowest Monthly Avg Temp (F):   51.8 in 1986

Highest Temp this month (F):  84 on 8th
Lowest Temp this month (F):   34 on 20th, 30th

Record High (F):  91 on 9/6/2020
Record Low (F):   20 on 9/22/1912

No temperature or precipitation records this month.

Number of Days:
Clear             22
Partly Cloudy    8
Cloudy           0

Heating Degree Days    178    Normal  204
Cooling Degree Days    2      Normal  4

Degree base 65°F

Total September Precipitation  0.29''
Normal September Precipitation 1.84''
Departure from Normal       -1.55''
Greatest 24-Hr Precip       0.13'' on 2nd

Highest Monthly Avg Temp (F):  61.8 in 1933
Lowest Monthly Avg Temp (F):   51.8 in 1986

Highest Temp this month (F):  84 on 8th
Lowest Temp this month (F):   34 on 20th, 30th

Record High (F):  91 on 9/6/2020
Record Low (F):   20 on 9/22/1912

No temperature or precipitation records this month.

Heating Degree Days    178    Normal  204
Cooling Degree Days    2      Normal  4

Degree base 65°F

Total September Precipitation  0.29''
Normal September Precipitation 1.84''
Departure from Normal       -1.55''
Greatest 24-Hr Precip       0.13'' on 2nd

Highest Monthly Avg Temp (F):  61.8 in 1933
Lowest Monthly Avg Temp (F):   51.8 in 1986

Highest Temp this month (F):  84 on 8th
Lowest Temp this month (F):   34 on 20th, 30th

Record High (F):  91 on 9/6/2020
Record Low (F):   20 on 9/22/1912

No temperature or precipitation records this month.

Heating Degree Days    178    Normal  204
Cooling Degree Days    2      Normal  4

Degree base 65°F

Total September Precipitation  0.29''
Normal September Precipitation 1.84''
Departure from Normal       -1.55''
Greatest 24-Hr Precip       0.13'' on 2nd

Highest Monthly Avg Temp (F):  61.8 in 1933
Lowest Monthly Avg Temp (F):   51.8 in 1986

Highest Temp this month (F):  84 on 8th
Lowest Temp this month (F):   34 on 20th, 30th

Record High (F):  91 on 9/6/2020
Record Low (F):   20 on 9/22/1912

No temperature or precipitation records this month.

Heating Degree Days    178    Normal  204
Cooling Degree Days    2      Normal  4

Degree base 65°F

Total September Precipitation  0.29''
Normal September Precipitation 1.84''
Departure from Normal       -1.55''
Greatest 24-Hr Precip       0.13'' on 2nd

Highest Monthly Avg Temp (F):  61.8 in 1933
Lowest Monthly Avg Temp (F):   51.8 in 1986

Highest Temp this month (F):  84 on 8th
Lowest Temp this month (F):   34 on 20th, 30th

Record High (F):  91 on 9/6/2020
Record Low (F):   20 on 9/22/1912

No temperature or precipitation records this month.

Average Wind Speed 5.8 mph
Highest Peak Gust    47 mph from 210° on 30th

Data are from the National Weather Service and the National Centers for Environmental Information and are preliminary.

Normals on this page are from 1991-2020
The average temperature for September 2023 was 57.7°F. This ranks as the 41st warmest September on record for Flagstaff, resulting in an anomaly of -0.3°F from the 1991-2020 mean of 58.0°F.

The average maximum temperature for September 2023 was 75.0°F. This ranks as the 20th warmest average maximum temperature for September on record in Flagstaff, resulting in an anomaly of +1.6°F from the 1991-2020 mean of 73.4°F.

Data are from the National Centers for Environmental Information and are preliminary.
The average minimum temperature for September 2023 was 42.0°F. This ranks as the 46th coldest average minimum temperature for September on record in Flagstaff, resulting in an anomaly of -0.5°F from the 1991-2020 mean of 42.5°F.

The total precipitation in Flagstaff for September 2023 was 0.30 inches. This ranks as the 16th driest September on record for Flagstaff, resulting with an anomaly of -1.52 inches from the 1991-2020 mean of 1.82 inches.

Data are from the National Centers for Environmental Information and are preliminary.
This month, Flagstaff experienced 16 days of above average temperatures and 9 days of below average temperatures.
PHOENIX CLIMATE STATISTICS

September 2023

This was the 18th warmest September on record (1933-2023). With 0.03 inches of precipitation, it ranked as the 18th driest September on record.

Avg Max Temp(F)  103.4  Normal  100.4
Avg Min Temp(F)  78.9  Normal  78.1
Avg Mean Temp(F)  91.2  Normal  89.2

Heating Degree Days  0  Normal  0
Cooling Degree Days  792  Normal  727
Degree base 65°F

Total September Precipitation  0.03”
Normal September Precipitation  0.57”
Departure from Normal  -0.54”

Total Precipitation Year-to-Date  3.02”
Departure from Normal  -2.33”
Total Precip Year to Date (Last Year)  2.78”

Greatest September Precipitation  5.11” in 2014
Least September Precipitation  0.00” in 2020
and 13 other years

Number of Days:
Clear  17
Partly Cloudy  12
Cloudy  1

Average Wind Speed  6.5 mph
Highest Peak Gust  45 mph from 350° on 10th

Temperature or precipitation records this month:
HiMax (F): 110 on 9/8/2023
HiMax (F): 114 on 9/9/2023
HiMax (F): 113 on 9/10/2023
HiMin (F): 90 on 9/10/2023
HiMin (F): 89 on 9/11/2023

Record High (F): 115 on 9/5/2020
Record Low (F): 47 on 9/21/1965, 9/20/1965, 9/22/1895

Phoenix Number of Days of:
Minimum Temp 32°F or lower  0
Minimum Temp 0°F or lower  0
Maximum Temp 90°F or higher  30
Maximum Temp 32°F or lower  0

Data are from the National Weather Service and the National Centers for Environmental Information and are preliminary.

Normals on this page are from 1991-2020
The average temperature for September 2023 was 89.5°F. This ranks as the 18th warmest September on record for Phoenix, resulting in an anomaly of +0.3°F from the 1991-2020 mean of 89.2°F.

The average maximum temperature for September 2023 was 103.4°F. This ranks as the 5th warmest average maximum temperature for September on record in Phoenix, resulting in an anomaly of +3.1°F from the 1991-2020 mean of 100.3°F.
The average minimum temperature for September 2023 was 77.4°F. This ranks as the 36th warmest average minimum temperature for September on record in Phoenix, resulting in an anomaly of -0.7°F from the 1991-2020 mean of 78.1°F.

The total precipitation in Phoenix for September 2023 was 0.03 inches. This ranks as the 18th driest September on record in Phoenix, resulting with an anomaly of -0.54 inches from the 1991-2020 mean of 0.57 inches.

Data are from the National Centers for Environmental Information and are preliminary.
There were 20 days of above average temperatures and 6 days of below average temperatures in Phoenix.
TUCSON CLIMATE STATISTICS
September 2023

This was the 2nd warmest September on record (1946-2023). With 0.34 inches of precipitation, it ranked as the 17th driest September on record.

Avg Max Temp(F)       99.7      Normal    95.1
Avg Min Temp(F)        71.6      Normal    70.4
Avg Mean Temp(F)      85.6      Normal    82.8

Highest Monthly Avg Temp (F):  85.7 in 2020
Lowest Monthly Avg Temp (F):  77.3 in 1985

Highest Temp this month (F):  111 on 10th
Lowest Temp this month (F):   67 on 24th, 25th, 30th

Record High (F):  111 on 9/10/2023
Record Low (F):    43 on 9/26/1913

Temperature or precipitation records this month:
HiMax (F):  105 on 9/7/2023
HiMax (F):  108 on 9/9/2023
HiMax (F):  111 on 9/10/2023
HiMin (F):  80 on 9/10/2023
HiMin (F):  82 on 9/11/2023
HiMax (F):  104 on 9/26/2023
HiMax (F):  103 on 9/27/2023

Tucson Number of Days of:
Minimum Temp 32°F or lower    0
Minimum Temp 0°F or lower    0
Maximum Temp 90°F or higher  29
Maximum Temp 32°F or lower    0

Heating Degree Days 0 Normal 0
Cooling Degree Days 627 Normal 532
Degree base 65°F

Total September Precipitation 0.34”
Normal September Precipitation 1.32”
Departure from Normal -0.98”
Greatest 24-Hr Precip 0.33” on 13th

Total Precipitation Year-to-Date 8.27”
Departure from Normal -0.15”
Total Precip Year to Date (Last Year) 5.62”

Greatest September Precipitation 5.60” in 2011
Least September Precipitation 0.00” in 2020 and 5 other years

Number of Days:
Clear          24
Partly Cloudy  2
Cloudy         4

Average Wind Speed 7.0 mph
Highest Peak Gust 40 mph from 240° on 30th

Data are from the National Weather Service and the National Centers for Environmental Information and are preliminary.

Normals on this page are from 1991-2020
The average temperature for September 2023 was 85.6°F. This ranks as the 2\textsuperscript{nd} warmest September on record for Tucson, resulting in an anomaly of +2.8°F from the 1991-2020 mean of 82.8°F.

The average maximum temperature for September 2023 was 99.7°F. This ranks as the warmest average maximum temperature for September on record in Tucson, resulting in an anomaly of +4.5°F from the 1991-2020 mean of 95.2°F.
The average minimum temperature for September 2023 was 71.6°F. This ranks as the 10th warmest average minimum temperature for September on record in Tucson, resulting in an anomaly of +1.2°F from the 1991-2020 mean of 70.4°F.

The total precipitation in Tucson for September 2023 was 0.34 inches. This ranks as the 17th driest September on record in Tucson, resulting with an anomaly of -0.98 inches from the 1991-2020 mean of 1.32 inches.

Data are from the National Centers for Environmental Information and are preliminary.
Tucson experienced 26 days of above average temperatures and 3 days of below average temperatures.
Cumulative Statewide Precipitation per Water Year (Oct 2022-Sept 2023)

In the interactive chart below, the 5 wettest years, 5 driest years, current year, and period of record average are highlighted to stand out. All other years are in light gray.

The 5 wettest Water Years are shown with green lines and the 5 driest Water Years are shown with brown lines. The current Water Year is the blue line, and the average annual precipitation per Water Year (period of record) is the black line. The average state cumulative Water Year precipitation was 12.49 inches at the end of September, which is 0.19 inches above the October-September average of 12.30 inches.
Mohave County experienced near normal to slightly below normal temperatures, while the majority of Coconino County had near normal temperatures. Much above normal temperatures were prevalent across Maricopa, southern Navajo, southern Apache, and southeastern counties, while record warmest temperatures were measured in Santa Cruz and portions of Cochise, Graham, Greenlee, and Pima counties.
Precipitation was above normal in Yuma, La Paz, Mohave, and northern Coconino counties, while below normal precipitation was prevalent across the Mogollon Rim and portions of Apache, Pima, Cochise, and Santa Cruz counties.
This map shows the standardized precipitation evapotranspiration index (SPEI) across Arizona. September precipitation and evapotranspiration totals are measured across the state and are compared to previous September precipitation and evapotranspiration totals through the period of record (1895-present). Positive values represent wet conditions, while negative values represent dry conditions.
After one year, Extreme (D3) short-term drought returned to the state (5%) in Santa Cruz and other southeastern counties. Moderate (D1) and Severe (D2) short-term drought expanded to Maricopa, Pima, Cochise, and eastern counties, as well as locations along the Mogollon Rim to the White Mountains (42% of state). 53% of the state continued as Abnormally Dry (D0) or without short-term drought.

Exceptional (D4), Extreme (D2), and Severe (D3) long-term drought expanded largely in Maricopa County and portions of Coconino, Pima, Yuma, La Paz, and Mohave counties. Moderate (D1) long-term drought expanded over most of the state, with some areas of Mohave, Coconino, Yavapai, Apache, Navajo, and Cochise counties without long-term drought or Abnormally Dry (D0) conditions.