



Weather and Climate Review for 2020 in Northern Arizona

Presented by



FLAGSTAFF, AZ

NATIONAL WEATHER SERVICE

2020 – Year in Review



January & February

Among the driest 25% of years for this period. Slightly above normal temperatures.

March

By far the wettest month of 2020 with most areas receiving 200-400% of normal precipitation. Heavy snow was recorded on the 18th and 19th.

April through December

The driest such period on record at nearly all locations, with temperatures in the top 3 warmest. Drought conditions developed with unprecedented speed. Most locations went from no drought or Moderate Drought in April to Exceptional Drought by November.

2020 Climate Summary

City	Avg Temp (F)	Departure from Normal	Temperature Ranking	Precipitation Total	Departure from Normal	Precipitation Ranking
Canyon de Chelly <small>(Chinle)</small>	53.6°	+0.4°	31 st warmest	4.80"	-4.78"	4 th driest
Flagstaff	48.2°	+2.0°	5 th warmest	9.59"	-12.27"	Driest on Record
Grand Canyon Airport	47.4°	+2.0°	6 th warmest	5.88"	-10.29"	Driest on Record
Page	62.3°	+3.1°	4 th warmest	1.99"	-6.34"	Driest on Record
Payson	57.9°	+2.1°	5 th warmest	12.03"	-9.30"	3 rd driest
Prescott	57.7°	+1.9°	6 th warmest	6.69"	-7.28"	3 rd driest
Saint Johns	55.8°	+1.1°	7 th warmest	5.40"	-6.59"	3 rd driest
Show Low	55.3°	+2.2°	Warmest on Record	11.23"	-5.41"	5 th driest
Window Rock	50.8°	+2.7°	2 nd warmest	5.74"	-6.56"	Driest on Record
Winslow	57.8°	+1.9°	2 nd warmest	4.30"	-2.71"	5 th driest



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HIGHEST TEMPERATURE	93 ON 8/16
LOWEST TEMPERATURE	2 ON 1/10
DAYS MAX TEMP 90 OR ABOVE	10
DAYS MAX TEMP 32 OR LOWER	5
DAYS MIN TEMP 32 OR LOWER	156
DAYS MIN TEMP 0 OR LOWER	0
WETTEST DAY	1.00 INCHES ON 3/18
DAYS WITH MEASURABLE PRECIP	48
SNOWIEST DAY	7.6 INCHES ON 3/19
MAXIMUM SNOW DEPTH	11 INCHES ON 1/10-11
DAYS WITH MEASURABLE SNOW	14
DAYS 1 INCH SNOW OR MORE	8
HIGHEST SUSTAINED WIND	45 MPH ON 11/07
HIGHEST WIND GUST	60 MPH ON 11/07
AVERAGE WIND SPEED	6.8 MPH



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WINSLOW

HIGHEST TEMPERATURE	105 ON JULY 11, 12, 30, 31
LOWEST TEMPERATURE	3 ON 12/4
DAYS MAX TEMP 90 OR ABOVE	67
DAYS MAX TEMP 32 OR LOWER	0
DAYS MIN TEMP 32 OR LOWER	126
DAYS MIN TEMP 0 OR LOWER	0
WETTEST DAY	0.69 INCHES ON 4/13
DAYS WITH MEASURABLE PRECIP	33
HIGHEST SUSTAINED WIND	48 MPH ON 2/3
HIGHEST WIND GUST	60 MPH ON 2/3
AVERAGE WIND SPEED	7.5 MPH

STANDIN' ON THE CORNER



WINSLOW ★ ARIZONA



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PRESCOTT

HIGHEST TEMPERATURE	102 ON 7/31
LOWEST TEMPERATURE	11 ON 12/13
DAYS MAX TEMP 90 OR ABOVE	52
DAYS MAX TEMP 32 OR LOWER	0
DAYS MIN TEMP 32 OR LOWER	117
DAYS MIN TEMP 0 OR LOWER	0
WETTEST DAY	0.95 INCHES ON 3/10
DAYS WITH MEASURABLE PRECIP	30
HIGHEST SUSTAINED WIND	37 MPH ON 11/7
HIGHEST WIND GUST	54 MPH ON 11/7
AVERAGE WIND SPEED	6.9 MPH

Photo Credit: Theresa Ditson



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Monsoon 2020 Rainfall Summary

June 15 – September 30



Location	2020 Observed Precipitation (in)	Normal Precipitation (in)	Departure From Normal (in)	Percent of Normal	All-Time Ranking (Period of Record)
Bagdad	0.87"	5.36"	-4.49"	16%	Driest (1925-2020)
Bellefont	2.85"	7.86"	-5.01"	36%	Driest (1994-2020)
Blue Ridge Ranger Station	2.44"	8.32"	-5.88"	29%	Driest (1965-2020)
Bright Angel Ranger Station	1.28"	6.75"	-5.47"	19%	2 nd Driest (1925-2020)
Canyon de Chelly (Chinle)	1.03"	3.75"	-2.72"	27%	3 rd Driest (1909-2020)
Flagstaff Airport	1.78"	8.31"	-6.53"	21%	Driest (1898-2020)
Grand Canyon Airport	1.06"	5.93"	-4.87"	18%	Driest (1997-2020)
Heber (Ranger Station)	3.89"	8.48"	-4.59"	46%	3 rd Driest (1950-2020)
Jerome	3.14"	7.33"	-4.19"	43%	4 th Driest (1897-2020)
Page Airport	0.39"	2.18"	-1.79"	18%	3 rd Driest (1957-2020)
Payson	3.61"	7.52"	-3.91"	48%	5 th Driest (1940-2020)
Phantom Ranch	0.52"	3.54"	-3.02"	15%	2 nd Driest (1935-2020)
Prescott (Sundog Water Plant)	2.27"	7.96"	-5.69"	29%	Driest (1898-2020)
Prescott Airport	1.32"	6.51"	-5.19"	20%	2 nd Driest (1948-2020)
Saint Johns Airport	1.25"	5.99"	-4.74"	21%	2 nd Driest (1999-2020)
Seligman	0.34"	5.57"	-5.23"	6%	Driest (1904-2020)
Show Low Airport	2.22"	7.59"	-5.37"	29%	Driest on Record (1984-2020)
Sunset Crater Natl Mon	4.28"	7.93"	-3.65"	54%	6 th Driest (1969-2020)
Williams	2.52"	8.32"	-5.80"	30%	Driest (1897-2020)
Window Rock	0.73"	5.73"	-5.00"	13%	Driest (1998-2020)
Winslow	0.47"	3.23"	-2.76"	15%	2 nd Driest (1915-2020)
Wupatki Natl Monument	0.42"	3.89"	-3.47"	33%	3 rd Driest (1940-2020)

Summer 2020 Temperatures

Average temperatures were well above normal across northern Arizona during Summer 2020. Many locations ranked in the top 5 warmest on record.

June – August Average Temperature Rankings

City	Temperature Ranking	Warmest Summer	Period of Record
Page	Warmest on Record	2020	1958-present
Clarkdale (Tuzigoot)	Warmest on Record	2020	1921-present
Winslow	2 nd Warmest	2018	1915-present
Prescott	2 nd Warmest	2002	1899-present
Flagstaff	3 rd Warmest	1981	1899-present



Dry Fall 2020

(Sep-Nov)

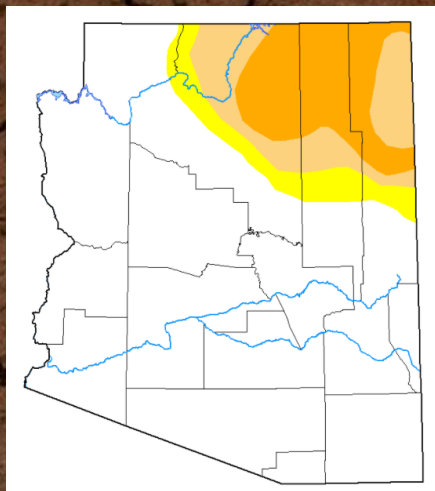
City	Fall 2020 Precipitation	Precipitation Ranking	Period of Record
Flagstaff	0.77"	3 rd Driest	1899-present
Prescott Airport	0.18"	Driest on Record	1948-present
Prescott	0.46"	Driest on Record	1899-present
Payson	2.18"	12 th Driest	1948-present
Winslow	0.27"	5 th Driest	1915-present
Page	0.13"	Driest on Record	1957-present



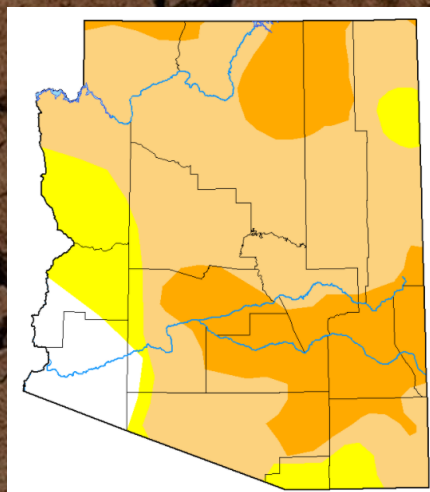
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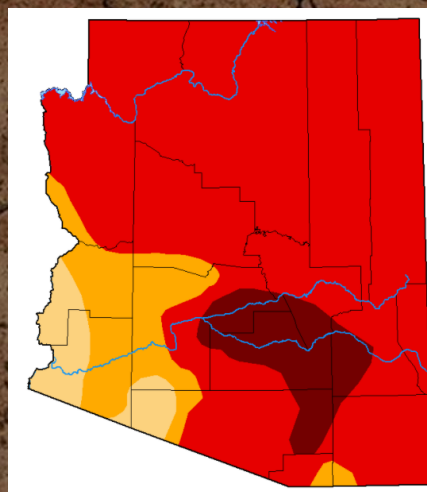
Rapid Drought Intensification



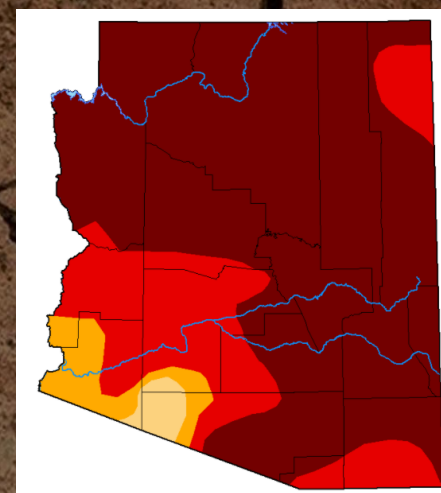
April 7, 2020



August 4, 2020



November 3, 2020



December 29, 2020

Intensity and Impacts

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)

Data from *U.S. Drought Monitor*
droughtmonitor.unl.edu/



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