

MONTH IN REVIEW FOR NORTHERN ARIZONA FOR OCTOBER 2013

...TEMPERATURE AND PRECIPITATION OVERVIEW...

October saw a fairly persistent pattern of low pressure systems dropping southward into the western U.S. and bringing periods of cooler weather to Arizona. A couple of the stronger storms that dove far enough south into Arizona brought a few notably windy days along with rain and snow showers. A strong cold front on October 10th brought the first measurable snowfall of the season to many high elevation locations. Overall, the month fared cooler and drier than normal.

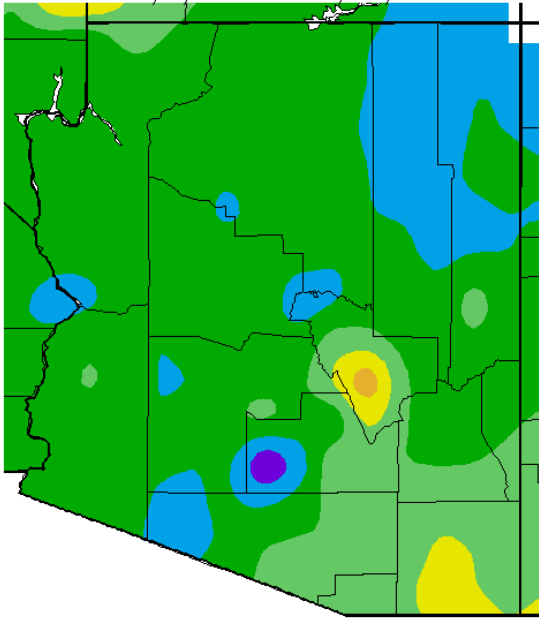
Many locations received less than 50% of their normal October precipitation.

OCTOBER DATA AND DEPARTURES FROM NORMAL FOR SELECTED CITIES:

	Max Temp	Dep Norm	Min Temp	Dep Norm	Precip TOTAL	Dep Norm	% Norm
Flagstaff	60.0	-2.0	28.4	-3.1	0.29	-1.37	17%
Winslow	70.4	-3.0	34.5	-4.8	0.29	-0.24	55%
Prescott AP	70.1	-1.5	37.7	-3.8	0.23	-0.69	25%
Prescott WTP	69.9	-1.8	34.5	-5.2	0.36	-0.66	35%
St Johns AP	69.4	-3.6	32.8	-4.8	0.11	-0.97	10%
Grand Canyon	61.4	-3.1	24.4	-4.0	0.55	-0.99	36%
Bellemont	60.1	-2.8	22.8	-4.0	0.37	-1.41	21%
Show Low AP	65.9	-2.5	37.0	-2.9	0.45	-0.97	32%
Cottonwood	78.6	-2.2	42.4	-4.9	0.05	-0.97	5%
Seligman	70.8	-3.1	33.6	-4.0	0.22	-0.89	20%
Page Airport	69.4	-0.4	45.7	-2.5	0.08	-0.96	8%
Window Rock	63.1	-2.2	24.9	-6.4	M	M	M

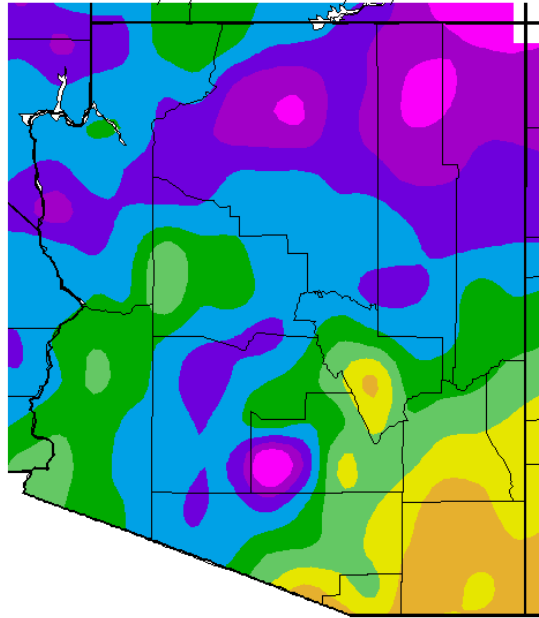
To illustrate the cool October temperatures, below are graphics of temperature departures from normal. On the left are average monthly temperature departures from normal and on the right are average maximum temperature departures from normal. Both indicate departures of at least 2° to 4° cooler than normal across northern Arizona, with higher departures in the four corners region. Although October did see days with above normal temperatures, the cool periods combined with cold overnight lows to result in below normal averages.

Ave. Temperature dep from Ave (deg F)
10/1/2013 – 10/30/2013



Generated 10/31/2013 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)
10/1/2013 – 10/30/2013



Generated 10/31/2013 at WRCC using provisional data.
NOAA Regional Climate Centers

October 2013 Average Temperature Rankings:

Flagstaff Airport	44.2°	15 th Coldest (1898 to Present)
Prescott Airport	53.9°	9 th Coldest (1948 to Present)
Winslow Airport	52.5°	6 th Coldest (1898 to Present)

Here are some additional monthly precipitation totals from our Co-operative weather observers.

LOCATION	OCTOBER PRECIP
BAGDAD	0.35
BELLEMONT WFO	0.37
BRIGHT ANGEL R.S.	0.12
CAMP VERDE 3N	0.09
CANYON DE CHELLY	0.32
CASTLE HOT SPRINGS	T
CHINO VALLEY	0.12
FLAGSTAFF 4SW	0.50
FLAGSTAFF AIRPORT (ASOS)	0.29

FORT DEFIANCE	1.02
FREDONIA 7SSE	1.08
GISELA	0.27
GRAND CANYON AIRPORT (ASOS)	0.55
GRAND CANYON EAST ENTRANCE	0.45
HEBER (BLACK MESA) R.S.	0.42
JEROME	0.25
KEAMS CANYON	1.66
LEES FERRY	0.06
MCNARY 2 N	0.53
NATURAL BRIDGE	0.24
OAK CREEK	0.77
PAGE (ASOS)	0.08
PAINTED DESERT N.P.	0.36
PAYSON	0.20
PETRIFIED FOREST N.P.	0.03
PHANTOM RANCH	0.33
PINETOP 2E	0.72
PRESCOTT AIRPORT (ASOS)	0.23
PRESCOTT CITY	0.36
SAINT JOHNS (ASOS)	T
SANDERS	0.10
SELIGMAN	0.22
SHOW LOW AIRPORT	0.45
SNOWFLAKE	0.48
SUNRISE MOUNTAIN	0.27
TEEC NOS POS	0.52
WHITERIVER 1 SW	0.36
WILLIAMS	0.43
WILLIAMS 35 NNW	0.42
WINDOW ROCK (ASOS)	0.01
WINSLOW AIRPORT (ASOS)	0.29

...SIGNIFICANT WEATHER...

Record Low Temperatures:

October 5th:

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
WINSLOW (1898 - 2013)	27	27 (TIED) IN 1908

October 6th:

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
COTTONWOOD-TUZIGOOT (1977 - 2013)	39	40 IN 1998

October 15th:

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
BAGDAD (1929 - 2013)	38	38 (TIED) IN 1948

October 9th - 10th Wind & Early Season Snow:

The first strong cold front of the season brought strong winds to northern Arizona followed by the first snow across the high country. Below are peak wind gusts and snowfall amounts.

Peak Wind October 9th:

WINSLOW ASOS.....	58 MPH
CONCHO MESONET	56 MPH
DONEY PARK MESONET	54 MPH
SHOW LOW AWOS.....	51 MPH
FLAGSTAFF ASOS.....	48 MPH
WILLIAMS AWOS.....	48 MPH
HOPI RAWLS (KYKOTSMOVI)....	48 MPH
AGASSIZ PEAK MESONET	48 MPH
MOGOLLON AIRPARK MESONET..	48 MPH
SEDONA AWOS.....	46 MPH
SAINT JOHNS ASOS.....	41 MPH
MORMON LAKE RAWLS	41 MPH
PRESCOTT MESONET	40 MPH
PAYSON AWOS.....	40 MPH
GRAND CANYON ASOS.....	37 MPH
PRESCOTT ASOS.....	36 MPH

October 10th Snowfall:

WILLIAMS	4.5
PARKS	4.0
JACOB LAKE	4.0
GRAND CANYON VILLAGE	2.0
MORMON LAKE	2.0
BELLEMONT	2.0
MOUNTAINAIRE	2.0
MUNDS PARK	2.0
FLAGSTAFF	0.6 (New daily snowfall record)

October 28th - 29th Wind:

Another unseasonably cold low pressure system moved into the southwest and brought areas of strong wind to northern Arizona followed by light snowfall over the high terrain. Below are peak wind reports for both days.

October 28th Peak Wind:

SHOW LOW.....	60 MPH
LIMESTONE CANYON.....	58 MPH

CONCHO.....	54 MPH
DONEY PARK.....	49 MPH
GRAND CANYON.....	49 MPH
WILLIAMS.....	48 MPH
HEBER-OVERGAARD.....	48 MPH
FLAGSTAFF.....	48 MPH
WINSLOW.....	47 MPH
WINDOW ROCK.....	46 MPH
PRESCOTT.....	45 MPH
PAGE.....	44 MPH
SAINT JOHNS.....	44 MPH
SEDONA.....	44 MPH
KYKOTSMOVI VILLAGE.....	43 MPH
HOPI.....	43 MPH
GREER.....	41 MPH

October 29th Peak Wind:

SHOW LOW.....	54 MPH
OVERGAARD.....	52 MPH
WINSLOW.....	51 MPH
SAINT JOHNS.....	48 MPH
WINDOW ROCK.....	47 MPH
CONCHO.....	45 MPH
DONEY PARK.....	44 MPH
HAPPY JACK.....	41 MPH
GREER.....	40 MPH