

MONTH IN REVIEW FOR NORTHERN ARIZONA FOR JUNE 2014

...TEMPERATURE AND PRECIPITATION OVERVIEW...

It is no surprise that June saw very dry conditions, as it is historically the driest month in northern Arizona. Many locations did not see any precipitation fall this month, while a few stations reported trace amounts of precipitation. Persistent troughs moving through the western U.S. brought windy periods to northern Arizona, one of which produced some of the strongest winds June has seen in 2 decades.

JUNE DATA AND DEPARTURES FROM NORMAL FOR SELECTED CITIES:

	Max Temp	Dep	Min Temp	Dep	PCPN	Dep	%Normal
Flagstaff	81.0	3.1	43.7	1.8	0.00	-0.36	0%
Winslow	94.6	3.0	54.0	0.2	0.00	-0.18	0%
Prescott AP	89.5	3.1	56.2	1.4	0.00	-0.39	0%
Prescott WTP	88.8	3.1	54.1	1.3	0.00	-0.30	0%
St Johns AP	91.6	1.7	54.1	1.1	T	-0.40	0%
Grand Canyon AP	84.5	2.9	36.8	0.5	0.00	-0.31	0%
Bellemont	81.4	3.7	34.5	-1.0	0.00	-0.22	0%
Show Low AP	85.9	1.7	55.9	3.5	0.00	-0.44	0%
Cottonwood	100.0	2.7	58.7	-1.0	0.00	-0.22	0%
Page Airport	95.6	4.5	67.4	2.8	T	-0.19	0%
Window Rock AP	87.3	3.9	47.0	3.1	0.00	-0.46	0%

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

LOCATION

JUNE PRECIPITATION

ALPA3 : ALPINE R.S.	:	T
BDDA3 : BAGDAD	:	0.00
FGZ : BELLEMONT WFO	:	0.00
BETA3 : BETATAKIN	:	0.00
BRGA3 : BLUE RIDGE R.S.	:	0.00
NRMA3 : BRIGHT ANGEL R.S.	:	0.00
CHNA3 : CANYON DE CHELLY	:	0.00
MORA3 : CASTLE HOT SPRINGS	:	0.00
CNOA3 : CHINO VALLEY	:	0.00

CORA3	: CORDES	:	T
FLSA3	: FLAGSTAFF 4SW	:	0.00
FLG	: FLAGSTAFF AIRPORT (ASOS)	:	0.00
GAN3	: GANADO	:	0.00
GISA3	: GISELA	:	0.00
GCN	: GRAND CANYON AIRPORT (ASOS)	:	0.00
GCEA3	: GRAND CANYON EAST ENTRANCE	:	0.00
GERA3	: GRAND CANYON VISITOR CENTER	:	0.00
HBRA3	: HEBER (BLACK MESA) R.S.	:	0.00
JRMA3	: JEROME	:	0.00
KSMA3	: KEAMS CANYON	:	0.00
MNYA3	: MCNARY 2 N	:	T
MTRA3	: METEOR CRATER	:	0.00
MTZA3	: MONTEZUMA CASTLE N.M.	:	0.00
TNBA3	: NATURAL BRIDGE	:	0.00
JNPA3	: OAK CREEK	:	0.00
PGA	: PAGE (ASOS)	:	0.00
PAIA3	: PAINTED DESERT N.P.	:	T
PYSA3	: PAYSON	:	0.00
PTFA3	: PETRIFIED FOREST N.P.	:	T
PHRA3	: PHANTOM RANCH	:	0.00
PNEA3	: PINETOP 2E	:	T
PRC	: PRESCOTT AIRPORT (ASOS)	:	0.00
PSTA3	: PRESCOTT CITY	:	0.00
SJN	: SAINT JOHNS (ASOS)	:	0.00
SAMA3	: SAINT MICHAELS	:	0.00
SELA3	: SELIGMAN	:	0.00
SOW	: SHOW LOW AIRPORT	:	0.00
SWFA3	: SNOWFLAKE	:	0.00
SPVA3	: SPRINGVILLE	:	0.00
SMTA3	: SUNRISE MOUNTAIN	:	0.00
SCIA3	: SUNSET CRATER N. M.	:	0.00
TEEA3	: TEEC NOS POS	:	0.00
TNMA3	: TUZIGOOT N.M.	:	0.00
WALA3	: WALNUT CANYON N. M.	:	0.00
PALA3	: WALNUT CREEK	:	0.00
KIRA3	: WALNUT GROVE	:	0.00
WLLA3	: WILLIAMS	:	0.00
BBRA3	: WILLIAMS 35NNW	:	0.00
RQE	: WINDOW ROCK (ASOS)	:	0.00
INW	: WINSLOW AIRPORT (ASOS)	:	0.00
WPTA3	: WUPATKI	:	0.00

...SIGNIFICANT WEATHER...

Record Temperatures:

June 2nd:

...RECORD HIGH TEMPERATURES FOR NORTHERN ARIZONA ON JUN 02 2014...

CITY (PERIOD OF RECORD)	NEW HIGH	PREVIOUS RECORD/YEAR
ALPINE (1905 - 2014)	85	84 IN 1969
PETRIFIED FOREST (1931 - 2014)	97	96 IN 2012
SPRINGERVILLE (1911 - 2014)	93	90 IN 2012
WINSLOW (1899 - 2014)	98	97 IN 2006

June 3rd:

...RECORD HIGH TEMPERATURE FOR NORTHERN ARIZONA ON JUN 03 2014...

CITY (PERIOD OF RECORD)	NEW HIGH	PREVIOUS RECORD/YEAR
SPRINGERVILLE (1911 - 2014)	91	90 IN 2012

June 4th:

...RECORD HIGH TEMPERATURE TIED FOR NORTHERN ARIZONA ON JUN 04 2014...

CITY (PERIOD OF RECORD)	NEW HIGH	PREVIOUS RECORD/YEAR
SPRINGERVILLE (1911 - 2014)	90	90 (TIED) IN 2006

June 6th Dust Devil:

AROUND 12:40 PM MST A DAMAGING DUST DEVIL HIT A BUSINESS IN PRESCOTT. IT BLEW OUT WINDOWS...TOSSED FREE STANDING SHEDS AROUND...DAMAGED CARS...AND THREW SHOPPING CARTS AROUND.

Strong Wind June 14th:

A LOW PRESSURE SYSTEM TO OUR NORTHEAST PRODUCED STRONG SOUTHWEST WINDS. HERE ARE PEAK WIND GUSTS:

...ASOS REPORTS.....

WINDOW ROCK AIRPORT.....	51 MPH
SAINT JOHNS AIRPORT.....	51 MPH
WINSLOW AIRPORT.....	46 MPH
FLAGSTAFF AIRPORT.....	40 MPH
GRAND CANYON AIRPORT.....	30 MPH
SEDONA AIRPORT.....	30 MPH
PAGE AIRPORT.....	29 MPH
PRESCOTT AIRPORT.....	29 MPH

...ADDITIONAL REPORTS.....

CONCHO.....47 MPH
GREER.....42 MPH
HAPPY JACK.....41 MPH
LEUPP.....40 MPH
SUNSET POINT.....35 MPH
PAYSON.....28 MPH

Strong Wind June 16th & 17th:

UNSEASONABLY STRONG LOW PRESSURE MOVED THROUGH THE WESTERN STATES AND BROUGHT VERY STRONG WIND TO ARIZONA FOR TWO DAYS. BELOW ARE THE PEAK WIND REPORTS RECEIVED:

June 16th:

.....ASOS REPORTS.....

FLAGSTAFF AIRPORT.....60 MPH
WINDOW ROCK AIRPORT.....59 MPH
GRAND CANYON AIRPORT.....56 MPH
WINSLOW AIRPORT.....56 MPH
SAINT JOHNS AIRPORT.....52 MPH
SEDONA AIRPORT.....43 MPH
PRESCOTT AIRPORT.....44 MPH

.....OTHER REPORTS.....

SHOW LOW AIRPORT.....51 MPH
WILLIAMS AIRPORT.....51 MPH
KYKOTSMOVI (HOPI).....46 MPH
GRAND CANYON NORTH RIM...43 MPH

June 17th:

.....ASOS REPORTS.....

WINSLOW AIRPORT.....72 MPH
FLAGSTAFF AIRPORT.....61 MPH
GRAND CANYON AIRPORT.....59 MPH
WINDOW ROCK AIRPORT.....54 MPH
PRESCOTT AIRPORT.....50 MPH
SAINT JOHNS AIRPORT.....49 MPH

.....OTHER REPORTS.....

DONEY PARK.....72 MPH
WILLIAMS AIRPORT.....55 MPH
HAPPY JACK.....50 MPH
NAVAJO NATIONAL MON.....49 MPH
KYKOTSMOVI (HOPI).....48 MPH
SHOW LOW AIRPORT.....47 MPH
GRAND CANYON NORTH RIM...45 MPH
SEDONA AIRPORT.....45 MPH
SUNSET POINT.....41 MPH

The peak wind gusts on June 17th were among the strongest ever recorded in June. After reviewing the climatological record for peak wind speeds (only extends back to the mid 1990s), the following was determined:

June 17th, 2014 Peak Wind Gusts:

Flagstaff: 61 mph

- 2nd highest wind gust ever recorded at Flagstaff Airport in June.
- Highest wind gust ever recorded at Flagstaff in late June (June 15th or later).
- 10 mph greater than typical peak June winds in Flagstaff (40-50 mph).

Winslow: 72 mph

- Highest wind gust ever recorded at Winslow Airport in June (by 14 mph!).
- 15 mph greater than typical peak June winds in Winslow (45-55 mph).

**The period of record for historical wind measurements is limited to ASOS observations which began in the mid 1990s. Anemometer instrumentation changed during the period of record in order to better capture wind measurements and this should be taken into context.*