

## MONTH IN REVIEW FOR NORTHERN ARIZONA FOR MAY 2011

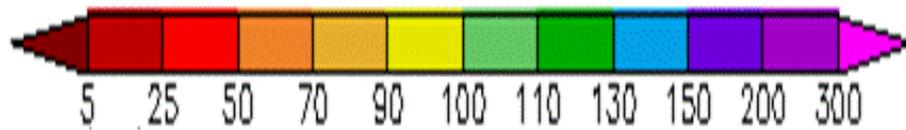
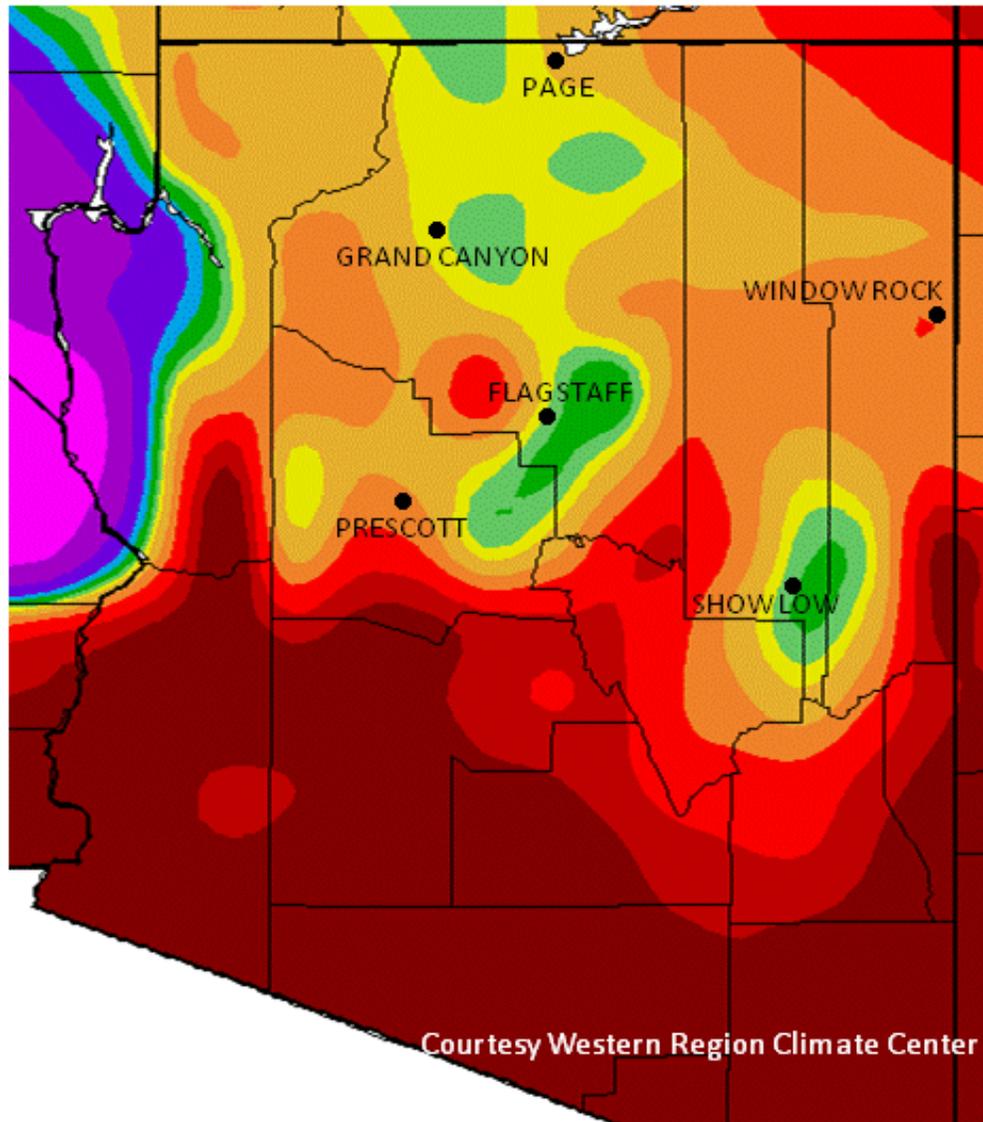
### ...TEMPERATURE AND PRECIPITATION OVERVIEW...

Temperatures in May were cooler than normal for almost all of northern Arizona. This was due mainly to frequent passage of storm systems from off the Pacific into the southwest U.S. While these systems brought plenty of cool weather, only one produced significant precipitation around the middle of the month. Much of northern Arizona received below normal precipitation for the month, though portions of the higher terrain were near or slightly above normal due solely to precipitation that fell May 18<sup>th</sup>.

### MAY DATA AND DEPARTURES FROM NORMAL FOR SELECTED CITIES:

	MAX	DEP	MIN	DEP	PCPN	DEP
	TEMP	NORM	TEMP	NORM	TOTL	NORM
FLAGSTAFF	63.7	-4.2	32.2	-2.1	0.87	+0.07
BELLEMONT	63.5	-5.7	27.4	-4.1	0.89	+0.29
GRAND CANYON	66.2	-4.7	27.7	-7.7	0.56	-0.03
WINSLOW	77.9	-2.0	42.0	-2.8	0.19	-0.17
PRESCOTT AIRPORT	73.7	-2.8	42.8	-2.4	0.30	-0.12
SAINT JOHNS	74.9	-3.7	40.8	-0.6	0.82	+0.37
SELIGMAN	74.9	-3.0	37.8	-1.1	0.35	+0.01
SHOW LOW AP	71.2	-2.7	41.8	-0.5	0.67	+0.05
WINDOW ROCK	68.9	-2.6	32.8	-4.2	0.76	+0.27

# Percent of Average Precipitation for May 2011



## ...NEW RECORDS SET IN MAY...

Strong low pressure at the beginning of the month brought a few record low temperatures May 2-3.

### ...RECORD LOW TEMPERATURES ON MAY 2...

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
PETRIFIED FOREST (1931 - 2011)	19	23 IN 2008
SUNSET CRATER NM (1970 - 2011)	14	14 (TIED) IN 2008

### ...RECORD LOW TEMPERATURES ON MAY 3...

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
PETRIFIED FOREST (1931 - 2011)	25	26 IN 2010
SPRINGERVILLE (1911 - 2011)	14	17 IN 2010

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Another strong low pressure system moved across northern Arizona May 18-19. Record cold daytime highs were set at several locations, and daily precipitation and snowfall records were set at Flagstaff.

### ...RECORD LOW HIGH TEMPERATURES ON MAY 18...

CITY (PERIOD OF RECORD)	NEW LOW HIGH	PREVIOUS RECORD/YEAR
FLAGSTAFF (1899 - 2011)	41	46 IN 1921
FORT VALLEY (1909 - 2011)	41	44 IN 1962
GRAND CANYON NP N RIM (1925 - 2011)	33	44 IN 1949
HEBER RS (1951 - 2011)	55	59 IN 1977
PAYSON (1949 - 2011)	61	66 IN 1977
PETRIFIED FOREST (1931 - 2011)	61	64 IN 1935
PRESCOTT (1898 - 2011)	53	58 IN 1977
PRESCOTT AIRPORT (1948 - 2011)	54	62 IN 1977
WINSLOW (1893 - 2011)	63	64 IN 2000

### ...RECORD DAILY MAXIMUM PRECIPITATION AT FLAGSTAFF MAY 18th...

RECORD PRECIPITATION (RAIN AND MELTED SNOW) OF 0.65 INCHES WAS SET AT FLAGSTAFF AZ AIRPORT. THIS BREAKS THE OLD RECORD OF 0.45 SET IN 1915.

### ...RECORD DAILY MAXIMUM SNOWFALL AT FLAGSTAFF MAY 18th...

A RECORD SNOWFALL OF 1.6 INCHES WAS SET AT FLAGSTAFF AZ AIRPORT. THIS BREAKS THE OLD RECORD OF 0.2 SET IN 1903.

...RECORD LOW HIGH TEMPERATURES ON MAY 19 2011...

CITY (PERIOD OF RECORD)	NEW LOW HIGH	PREVIOUS RECORD/YEAR
GRAND CANYON NP N RIM (1925 - 2011)	39	47 IN 1938
PAYSON (1949 - 2011)	56	69 IN 1992
PETRIFIED FOREST (1931 - 2011)	60	68 IN 1977
SPRINGERVILLE (1911 - 2011)	54	60 IN 1930
WILLIAMS (1897 - 2011)	46	50 IN 1915

...SIGNIFICANT WEATHER...

...STORM OF MAY 18-19...

An unseasonably cold storm system affected northern Arizona on Wednesday, May 18th. Widespread rain and snow along with record cold afternoon temperatures were observed. Most locations above 6500 feet received at least a trace of snow, with a few inches at some locations. Rain and snow showers, and even a few thunderstorms developed on the 19<sup>th</sup>.

...SNOWFALL REPORTS...

4 miles South of Williams	5.2 inches.
NWS Bellemont	3.3 inches.
12 miles north of Parks	3.0 inches.
Flagstaff Airport	1.6 inches.

...PEAK WIND GUSTS MAY 18<sup>TH</sup> ...

LUPTON	59 MPH.
WINSLOW	56 MPH.
LEUPP	56 MPH.
TWO GUNS	49 MPH.
GREER	49 MPH.
PRESCOTT	46 MPH.
SAINT JOHNS	44 MPH.
WINDOW ROCK	41 MPH.

...MAY 29<sup>TH</sup> WINDSTORM...

An unseasonably strong Pacific low pressure system moved across the Southwest on Sunday, May 29<sup>th</sup>. Strong winds were observed with gusts at many locations exceeding 60 mph.

...PEAK WIND GUSTS MAY 29<sup>TH</sup> ...

AIRPORT AUTOMATED SURFACE OBSERVING STATIONS (ASOS)...

FLAGSTAFF	64 MPH.
SHOW LOW	64 MPH.
WINSLOW	63 MPH.

WINDOW ROCK ..... 60 MPH.  
GRAND CANYON ..... 58 MPH.  
SAINT JOHNS ..... 53 MPH.  
SEDONA ..... 51 MPH.  
PRESCOTT ..... 47 MPH.  
PAGE ..... 41 MPH.

ADDITIONAL REPORTS...

TWO GUNS ..... 68 MPH.  
CHINLE ..... 65 MPH.  
PETRIFIED FOREST ..... 62 MPH.  
DONEY PARK ..... 60 MPH.  
KYKOTSMOVI ..... 60 MPH.  
LUPTON ..... 60 MPH.  
LINDEN ..... 59 MPH.  
CHINO VALLEY ..... 56 MPH.

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PLEASE SEND QUESTIONS OR COMMENTS TO [W-FGZ.WEBMASTER@NOAA.GOV](mailto:W-FGZ.WEBMASTER@NOAA.GOV)