

## MONTH IN REVIEW FOR NORTHERN ARIZONA FOR NOVEMBER 2011

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

Average temperatures were cooler than normal during November 2011, mainly due to two strong early-season Pacific storms that brought cold air into the region from the 2<sup>nd</sup> through the 10<sup>th</sup>. The majority of precipitation for the month occurred during these storms, with most areas receiving near-normal monthly precipitation. The first significant snowfall also fell over the higher elevations early in the month, with new daily snowfall records set at Flagstaff on the 5<sup>th</sup> and 7<sup>th</sup>. Strong high pressure and warm temperatures developed to close out the month.

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

	MAX	DEP	MIN	DEP	PCPN	DEP	PCPN
	TEMP	NORM	TEMP	NORM	TOTL	NORM	%NORM
FLAGSTAFF	48.6	-1.9	23.8	+0.9	1.76	0.00	100
BELLEMONT	49.1	-3.2	19.8	+0.9	1.51	+0.11	108
GRAND CANYON	50.8	-1.6	20.5	+1.2	1.07	+0.03	103
WINSLOW	58.2	-1.9	29.7	+1.8	0.67	+0.16	131
PRESCOTT AP	59.1	-1.4	32.0	+0.4	0.83	-0.09	90
PRESCOTT WTP	58.4	-2.1	28.9	-0.6	1.08	0.00	100
SAINT JOHNS	58.5	0.0	26.7	-0.4	0.67	+0.04	106
SELIGMAN	60.3	-1.5	28.4	-0.2	0.56	-0.31	64
SHOW LOW AP	54.7	-2.0	29.4	-0.9	0.45	-0.87	34

Here are some other November precipitation totals from our Co-operative observers around northern Arizona.

### LOCATION                      NOVEMBER PRECIP

ALPINE RANGER STN	1.35
BAGDAD	1.00
BETATAKIN	1.20
BLUE RIDGE RANGER STN	1.02
CANYON DE CHELLY	0.75
CASTLE HOT SPRINGS	0.80
CHINO VALLEY	0.84
FLAGSTAFF 4SW (ARBORETUM)	1.76
FORT VALLEY	1.56
GISELA	1.43
HEBER RANGER STN	0.97
JEROME	1.01

MCNARY 2 N	1.90
PAGE (ASOS)	0.96
PETRIFIED FOREST NATL PARK	0.42
PINETOP 2E	1.94
PLEASANT VALLEY RANGER STN	2.00
SAINT JOHNS (ASOS)	0.60
SAINT MICHAELS	0.64
SNOWFLAKE	0.31
WINDOW ROCK (ASOS)	0.54

**...SIGNIFICANT WEATHER...**

**November 4<sup>th</sup>-5<sup>th</sup>**

The first winter storm of the season brought significant snow to the higher terrain of northern Arizona. Most of the snow fell from late evening on the 4<sup>th</sup> through the morning of the 5<sup>th</sup>. Here are some snowfall totals (in inches):

GRAND CANYON NORTH RIM	7.0
FLAGSTAFF AIRPORT	5.7
MORMON LAKE	5.0
BELLEMONT	5.0
WILLIAMS	5.0
PARKS	4.0
DONEY PARK	3.9
KACHINA VILLAGE	3.4
2 N MCNARY	3.0
GRAND CANYON SOUTH RIM	3.0
2 W PRESCOTT (5700')	2.0
WINONA	1.5
HEBER-OVERGAARD	1.0
CONCHO	1.0

**November 6<sup>th</sup>**

Cold daytime temperatures were observed on November 6<sup>th</sup>, setting records for two locations.

CITY (PERIOD OF RECORD)	NEW LOW	HIGH	PREVIOUS RECORD/YEAR
FLAGSTAFF (1898 - 2011)	33	34	IN 1925
FORT VALLEY (1909 - 2011)	30	33	IN 1938

**November 7<sup>th</sup>**

A cold storm system brought another round of significant snow to northern Arizona. Snow fell as low as 5000 feet, but most accumulations occurred at the higher elevations. Here are some snowfall totals (in inches):

APACHE COUNTY

2 N MCNARY	4.5
ALPINE	3.0
NAVAJO COUNTY	
NAVAJO NATIONAL MNMT	4.0
COCONINO COUNTY	
ARIZONA SNOWBOWL	8.0
FLAGSTAFF AIRPORT	6.8
BELLEMONT	6.5
PARKS	6.0
WILLIAMS	5.5
JACOB LAKE	5.0
BLUE RIDGE RS	5.0
FORT VALLEY	5.0
JACOB LAKE	5.0
KACHINA VILLAGE	4.5
MORMON LAKE	4.2
FOREST LAKES	3.0
DONEY PARK	2.5
GILA COUNTY	
STRAWBERRY	5.0
PAYSON	1.0
YAVAPAI COUNTY	
2 SW PRESCOTT	4.2
2 SSW PRESCOTT	4.0
PRESCOTT SUNDG	2.5
5 N PRESCOTT	2.1
PRESCOTT	2.0
ASH FORK	2.0
SELIGMAN	1.0
SEDONA	0.5

**Daytime temperatures were also very cold on the 7<sup>th</sup>, setting numerous records for the coldest high temperatures.**

CITY (PERIOD OF RECORD)	NEW LOW HIGH	PREVIOUS RECORD/YEAR
BAGDAD (1929 - 2011)	47	52 IN 1944
FLAGSTAFF (1898 - 2011)	32	33 IN 2000
FORT VALLEY (1909 - 2011)	30	32 IN 1986
PAGE (1957 - 2011)	42	43 IN 1990
PRESCOTT (1898 - 2011)	38	45 IN 2000
PRESCOTT AIRPORT (1948 - 2011)	42	46 IN 2000

### **November 8<sup>th</sup>**

With fresh snow cover and clearing skies, some record lows were set on the morning of the 8<sup>th</sup>.

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
FLAGSTAFF (1898 - 2011)	7	8 IN 1918

**November 19<sup>th</sup>**

Very strong southwest winds aloft developed during the early morning hours of the 19<sup>th</sup> in response to a trough passing north of the state. Localized areas immediately downstream from the Mogollon Rim and Kaibab Plateau experienced strong downslope winds.

HOUSE ROCK	77 MPH	1205 AM MST
TWO GUNS	60 MPH	1232 AM MST
DONEY PARK	60 MPH	555 AM MST
PARIA POINT	53 MPH	1200 AM MST
FOUR SPRINGS	52 MPH	1219 AM MST

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