

MONTH IN REVIEW FOR NORTHERN ARIZONA FOR JANUARY 2013

...TEMPERATURE AND PRECIPITATION OVERVIEW...

The month of January was quite variable in terms of the weather! The month was characterized by a few different storm systems that brought anywhere from record cold to well above normal temperatures and widespread rainfall. The middle of the month saw one of the coldest stretches of temperatures in the last 20 years, while other parts of the month saw high temperatures reaching 5 to 10 degrees above normal. Overall, the month averaged colder than normal, with well below normal low temperatures. Above normal precipitation was observed, though much of that fell in the form of rain which left much of the high country with below normal monthly snowfall.

JANUARY DATA AND DEPARTURES FROM NORMAL FOR SELECTED CITIES:

	Max Temp	Dep	Min Temp	Dep	PCPN	Dep	PCT Normal
Flagstaff	37.9	-4.6	9.9	-7.4	2.64	0.59	129%
Winslow	44.5	-5.0	14.2	-6.6	0.73	0.21	140%
Prescott AP	49.7	-2.0	21.1	-4.7	1.93	0.81	172%
Prescott WTP	47.8	-4.2	17.9	-5.9	1.94	0.35	122%
Grand Canyon AP	39.2	-3.7	5.7	-6.7	M	M	M
Bellemont	39.2	-4.3	1.5	-11.8	2.87	0.83	141%
Seligman	50.9	-2.1	20.6	-2.8	1.60	0.48	143%

This January ranked among one of the coldest on record in terms of average temperatures, due mostly to a very cold stretch that occurred Jan 11th – 15th. See the tables below for average temperature rankings.

	Monthly Average Temperature	Ranking
Flagstaff Airport	23.9°	16 th coldest
Prescott Airport	35.4°	11 th coldest (<i>tied with 2007, 1963</i>)
Winslow Airport	29.2°	15 th coldest (<i>tied with 1979</i>)

	Monthly Average Min Temperature	Ranking
Flagstaff Airport	9.9°	14 th coldest (<i>tied with 1973</i>)
Prescott Airport	21.1°	6 th coldest
Winslow Airport	14.2°	11 th coldest

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

<u>LOCATION</u>	<u>January PRECIP</u>
ALPINE RANGER STATION	1.15
BAGDAD	2.96
BLUE RIDGE RANGER STATION	2.18
BRIGHT ANGEL RANGER STN	3.44
CAMP VERDE	1.39
CANYON DE CHELLY	0.82
CASTLE HOT SPRINGS	2.65
CHINO VALLEY	1.97
FREDONIA 7SSE	0.98
GISELA	3.10
JEROME	2.40
LEES FERRY	0.59
MCNARY 2N	2.62
METEOR CRATER	0.79
MONTEZUMA CASTLE N.M.	1.47
NATURAL BRIDGE	4.13
OAK CREEK	5.30
PAGE (ASOS)	0.72
PAINTED DESERT	0.74
PAYSON	3.54
PAYSON RANGER STATION	3.66
PETRIFIED FOREST NATL PARK	0.40
PHANTOM RANCH	1.76
PINETOP 2E	2.66
PLEASANT VALLEY RANGER STATION	2.56
SAINT JOHNS (ASOS)	0.28
SAINT MICHAELS	1.47
SHOW LOW	1.42
SNOWFLAKE	0.50
SPRINGERVILLE	0.18
SUNSET CRATER NATL MON	1.48
TSAILE	1.98
VALLE	1.84
WALNUT CANYON NATL MON	1.78
WHITERIVER 1 SW	1.55
WILLIAMS	0.88
WINDOW ROCK (ASOS)	1.33
WUPATKI NATIONAL MONUMENT	0.99

...SIGNIFICANT WEATHER...

January 10TH - 11TH Wind and Snow:

A strong and very cold low pressure system dove into the southwestern states bringing strong winds to the high country of northern Arizona, followed by snow and several days of very cold temperatures. Below is a list of peak wind gusts reported Friday, Jan. 10th followed by snowfall reports.

...HIGH WIND REPORTS ACROSS NORTHERN ARIZONA THURSDAY, JANUARY 10TH...

...COCONINO COUNTY...

PARKS	53	MPH
DONEY PARK	46	MPH
FLAGSTAFF AIRPORT	44	MPH
BRIGHT ANGEL	43	MPH

...NAVAJO COUNTY...

LIMESTONE CANYON	52	MPH
SHOW LOW AIRPORT	46	MPH
WINSLOW	41	MPH

...SNOWFALL REPORTS ACROSS NORTHERN ARIZONA FRIDAY, JANUARY 11TH...

SNOWFALL
/INCHES/

...APACHE COUNTY...

FORT DEFIANCE	4.0
2 N MCNARY	2.3
3 SW CONCHO	1.5
CANYON DE CHELLY	0.8

...COCONINO COUNTY...

JACOB LAKE	8.0
SUNRISE	7.0
MORMON LAKE	6.0
FOREST LAKES	4.0
4 SW FLAGSTAFF	3.0
BELLEMONT	2.6
9 NNE FLAGSTAFF	2.0
CLINTS WELL	2.0
FREDONIA	2.0
DONEY PARK	1.3
FLAGSTAFF AIRPORT	1.0
5 NW WINONA	1.0
HAPPY JACK	1.0
KACHINA VILLAGE	0.8
4 S WILLIAMS	0.4

...GILA COUNTY...

4 E KOHLS RANCH	3.0	ELEVATION 6000 FEET.
14 NE PAYSON	1.0	ELEVATION 5700 FEET.

...NAVAJO COUNTY...
HEBER-OVERGAARD 2.0 ESTIMATED 1-2 INCHES.
2 SSE PINETOP-LAKESIDE 2.0

...YAVAPAI COUNTY...
ASH FORK T

January 11th - 15th Cold Snap:

Friday, Jan. 11th through Tuesday, Jan. 15th was one of the coldest stretches in Flagstaff in the last two decades. This 5 day stretch had an overall average temperature of 7.6°. The last time Flagstaff had a 5 day stretch this cold was over 22 years ago in 1990! Four of these days (Jan. 11th - 14th) saw high temperatures less than 25°, which ranks this stretch 4th for the number of consecutive days with temperatures below 25°. The last time 4 or more days had temperatures below 25° was in 2007 and before that it was back in 1990.

Record Temperatures:

...RECORD LOW TEMPERATURES FOR NORTHERN ARIZONA ON JAN 13 2013...

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
FLAGSTAFF (1899 - 2013)	-7	-6 IN 1963
GRAND CANYON NP N RIM (1926 - 2013)	-12	-5 IN 1926

...RECORD LOW TEMPERATURES FOR NORTHERN ARIZONA ON JAN 14 2013...

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
ALPINE (1905 - 2013)	-18	-17 IN 1932
PAYSON (1949 - 2013)	8	8 (TIED) IN 1964

...RECORD LOW TEMPERATURES FOR NORTHERN ARIZONA ON JAN 15 2013...

CITY (PERIOD OF RECORD)	NEW LOW	PREVIOUS RECORD/YEAR
FORT VALLEY (1909 - 2013)	-18	-16 IN 1963
MCNARY 2N (1921 - 2013)	-9	-6 IN 1937

A return to warmer and drier weather brought a quick warm up with near record high temperatures experienced by late in the month. One record high was set in Payson.

...RECORD HIGH TEMPERATURES FOR NORTHERN ARIZONA ON JAN 22 2013...

CITY (PERIOD OF RECORD)	NEW HIGH	PREVIOUS RECORD/YEAR
PAYSON (1949 - 2013)	68	67 IN 1950

January 24th - 28th Storm:

The latter part of January saw a return to wet weather as a Pacific low pressure system spread a very warm sub-tropical air mass over the region. A period of prolonged rainfall occurred from Thursday, Jan. 24th through Sunday, Jan. 27th, melting much of the existing snowpack. Daily rainfall records were set in both Flagstaff (1.55") and Winslow (0.52") on Sat. the 26th when the heaviest rain occurred. Though no major flooding occurred, Oak Creek and several creeks in Northern Gila County experienced significant water level rises. A second and colder storm brought a change-over to snow for the high country Monday, Jan. 28th.

Below is a list of precipitation amounts from the rain event followed by total snowfall reports for the Monday event.

*****PRECIPITATION TOTALS THROUGH 6 PM MST SUNDAY, JAN. 27TH*****

	RAINFALL /INCHES/
...APACHE COUNTY...	
MCNARY 2N	1.65
TSAILE	1.15
CANYON DE CHELLY	1.11
WINDOW ROCK APRT	1.09
...COCONINO COUNTY...	
FLAGSTAFF APRT	2.56
FORT VALLEY	2.44
KACHINA VILLAGE	2.23
BELLEMONT	2.48
LIMESTONE CANYON	1.78
VALLE	1.59
BLUE RIDGE	1.49
PAGE	0.72
LEES FERRY	0.59
...GILA COUNTY...	
TONGO CK FISH HATCH	4.97
RED LAKE	3.22
PLEASANT VALLEY	2.36
PAYSON APRT	2.13
...NAVAJO COUNTY...	
HEBER 15 S	2.32
NAVAJO NAT.MON.	1.61
WINSLOW	0.69
SHOW LOW APRT	0.84
PETRIFIED FOREST	0.34
...YAVAPAI COUNTY...	
CROWN KING	3.60

HUMBUG CREEK	3.23
SEDONA ARPT	2.77
SUNSET POINT	2.48
PRESCOTT 5 WNW	2.24
COTTONWOOD/TUZIGOOT	1.36
PRESCOTT APRT	1.82
PRESCOTT	1.86

*****SNOWFALL TOTALS FROM NORTHERN ARIZONA MONDAY, JAN. 28TH*****

STORM TOTAL
SNOWFALL
/INCHES/

...APACHE COUNTY...

SUNRISE SKI	6.0
WINDOW ROCK	3.0
MCNARY	2.1
ST JOHNS	T
SPRINGERVILLE	T

...COCONINO COUNTY...

BELLEMONT	7.9
FOREST LAKES	5.0
PARKS	4-5
MUNDS PARK	4.0
WILLIAMS	3-4
JACOB LAKE	2-3
FLAGSTAFF	2-3
FLAGSTAFF AIRPORT	1.8

...GILA COUNTY...

STRAWBERRY	T
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...NAVAJO COUNTY...

HEBER-OVERGAARD	1.0
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...YAVAPAI COUNTY...

PRESCOTT VALLEY	3.0
PRESCOTT	2.0
SELIGMAN	0.5

PLEASE SEND QUESTIONS OR COMMENTS TO
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