

920 PM MST THU OCT 7 2010

**...MONSOON SUMMARY FOR NORTHERN ARIZONA (JUNE 15 THROUGH SEPTEMBER 30 2010)...**

MONSOON MOISTURE ARRIVED RAPIDLY IN MID-JULY AND PROVIDED HEAVY RAINS TO MANY LOCATIONS ACROSS NORTHERN ARIZONA. THE MONSOON MOISTURE WAS SWEEPED OUT OF NORTHERN ARIZONA FOR THE MOST PART BY LATE AUGUST. SOME LOCATIONS RECEIVED WELL ABOVE NORMAL RAINFALL DURING THE MONSOON. THERE WERE A FEW HOWEVER THAT RECEIVED WELL BELOW NORMAL AMOUNTS OF PRECIPITATION. THE HIT-AND-MISS RAINFALL TOTALS ARE A TYPICAL SIGN OF THE SMALLER SCALE NATURE OF EACH MONSOON SHOWER AND THUNDERSTORM. FOR NORTHERN ARIZONA OVERALL... THE MONSOON BROUGHT SLIGHTLY ABOVE AVERAGE RAINFALL.

JUNE 15 THROUGH SEPTEMBER 30TH (MONSOON) 2010 RAINFALL TOTALS COMPARED TO NORMAL VALUES AND THIS MONSOONS RANKING AS DRIEST OR WETTEST OF ALL TIME:

	MONSOON PRECIP	NORMAL	RANKING ALL TIME	#YEARS*
FLAGSTAFF	10.38"	7.68"	13TH WETTEST	112
BELLEMONT	7.01"	7.87"	8TH WETTEST	26
WINSLOW	2.11"	3.62"	16TH DRIEST	112
PRESCOTT CITY	4.95"	8.54"	16TH DRIEST	112
MCNARY (WHITE MTNS)	17.32"	9.71"	2ND WETTEST	81
CANYON DE CHELLY	4.31"	3.84"	30TH WETTEST	100
COTTONWOOD	5.58"	5.32"	30TH WETTEST	71
BLUE RIDGE	8.61"	7.61"	18TH WETTEST	47
WALNUT CANYON	8.15"	7.09"	21ST WETTEST	57
SUNSET CRATER	6.73"	7.42"	17TH DRIEST	41

\*NUMBER OF YEARS ON RECORD FOR ALL TIME RANKING

**...MONTH IN REVIEW FOR NORTHERN ARIZONA FOR SEPTEMBER 2010...**

**...TEMPERATURE AND PRECIPITATION OVERVIEW...**

SEPTEMBER TEMPERATURES WERE WELL ABOVE NORMAL ACROSS NORTHERN ARIZONA. RAINFALL WAS MOSTLY BELOW NORMAL. MONSOON MOISTURE WAS SWEEPED OUT OF NORTHERN ARIZONA BEFORE THE START OF SEPTEMBER...WITH ONLY A FEW SHORT PERIODS OF RETURNING MOISTURE. THOSE WHO EXPERIENCED THE MOST PRECIPITATION WERE LOCATED NEAR THE ARIZONA/NEW MEXICO BORDER...WHERE SUFFICIENT MONSOON MOISTURE REMAINED TO TRIGGER SHOWER AND THUNDERSTORM ACTIVITY. A STRONG RIDGE OF HIGH PRESSURE THAT DEVELOPED OVER NORTHERN ARIZONA DURING THE SECOND HALF OF THE MONTH BROUGHT HIGH TEMPERATURES TO NEAR RECORD LEVELS AT TIMES.

SEPTEMBER DATA AND DEPARTURES FROM \*NORMAL FOR SELECTED CITIES:

	MAX	DEP	MIN	DEP	PCPN	DEP
	TEMP	NORM	TEMP	NORM	TOTL	NORM
FLAGSTAFF	78.0	+4.5	42.3	+0.4	0.79	-1.13
BELLEMONT	76.9	+4.1	35.5	-2.1	0.57	-2.23
WINSLOW	89.8	+5.3	52.8	+0.1	0.38	-1.06
PRESCOTT AIRPORT	88.0	+3.5	54.3	+1.5	0.03	-1.04
SAINT JOHNS	86.1	+1.3	50.8	+3.5	1.30	+0.01
PAGE	89.3	+4.7	61.8	+2.6	0.03	-0.69
GRAND CANYON N. RIM	73.7	+4.9	41.8	+2.0	0.25	-1.47
MCNARY (WHITE MTNS)	75.7	+1.7	48.6	+5.5	2.54	+0.13
SELIGMAN	89.1	+5.2	46.8	-0.1	0.10	-1.00

\*NORMALS USED ARE FROM ALL COMBINED YEARS THE SITE HAS BEEN TAKING MEASUREMENTS

**...SELECT RECORDS...**

THE STRONG RIDGE OF HIGH PRESSURE OVER THE REGION INTENSIFIED DURING THE LAST WEEK OF SEPTEMBER. THIS RESULTED IN MANY RECORD HIGHS BEING SET ACROSS NORTHERN ARIZONA.

...RECORD HIGH TEMPERATURES FOR NORTHERN ARIZONA ON SEP 29 2010...

CITY (PERIOD OF RECORD)	NEW HIGH	PREVIOUS RECORD/YEAR
COTTONWOOD-TUZIGOOT (1977 - 2010)	102	99 IN 1978
FORT VALLEY (1909 - 2010)	84	82 IN 1933
PRESCOTT (1898 - 2010)	92	91 IN 1933
WINSLOW (1893 - 2010)	93	92 IN 2003

...RECORD HIGH TEMPERATURES FOR NORTHERN ARIZONA ON SEP 27 2010...

CITY (PERIOD OF RECORD)	NEW HIGH	PREVIOUS RECORD/YEAR
COTTONWOOD-TUZIGOOT (1977 - 2010)	101	100 IN 2003
FLAGSTAFF (1899 - 2010)	83	82 IN 1963
GRAND CANYON S. RIM (1966 - 2010)	87	83 IN 2003
MUNDS PARK (1986 - 2010)	85	84 IN 2003
PAGE (1958 - 2010)	92	90 IN 2003
PRESCOTT CITY (1898 - 2010)	91 (TIED)	91 IN 1923

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

WITH ONLY A COUPLE OF BREAKS FROM A DOMINANT HIGH PRESSURE AREA OVER THE STATE...NORTHERN ARIZONA EXPERIENCED ONE OF THE WARMEST SEPTEMBERS ON RECORD...

SEPTEMBER 2010 AVERAGE TEMPERATURES (COMBINED MAX AND MIN) AND THEIR RANKING AMONGST THE WARMEST OF ALL TIME:

	TEMP	RANKING	# YEARS
FLAGSTAFF	60.1	13TH WARMEST	112
WINSLOW	71.3	6TH WARMEST	112
PRESCOTT AIRPORT	71.1	3RD WARMEST	55
WUPATKI NM	73.4	7TH WARMEST	71
GRAND CANYON N. RIM	57.8	4TH WARMEST	86
MCNARY (WHITE MTNS)	62.2	2ND WARMEST	81
SELIGMAN	68.0	14TH WARMEST	80
PETRIFIED NP	70.3	11TH WARMEST	106
NAVAJO NM	66.9	2ND WARMEST	71
SPRINGERVILLE	64.1	1ST WARMEST	100
PAYSON	69.7	11TH WARMEST	62

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