Monthly Climate Summary

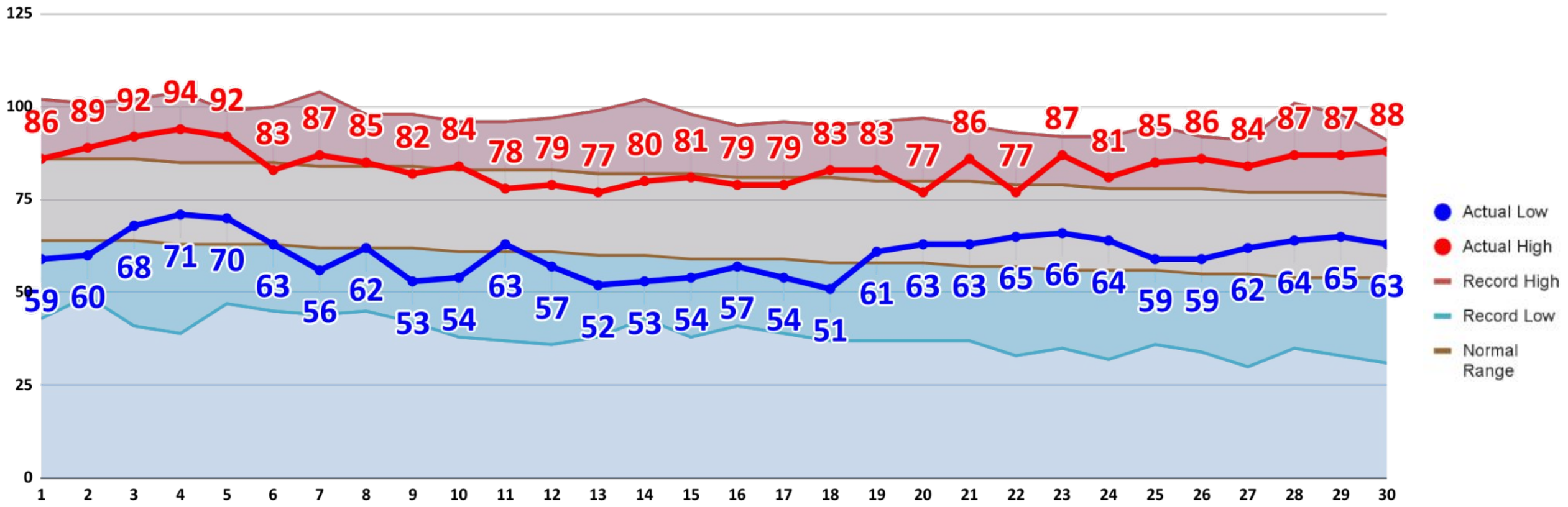
September 2023 Overview

Monthly Climate Overview - September 2023				
Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	94	98	92	95
Average Max. Temperature	83.9	86.4	83.3	83.1
Minimum Temperature	51	51	50	47
Average Min. Temperature	60.4	61.3	58.5	58.0
Average Mean Temperature	72.2	73.9	70.9	70.6
Departure from Normal	+1.9	+3.2	1.8	2.3
Temperature Rank	29th warmest / 136	14th warmest / 94	21st warmest / 76	24th warmest / 76
Days of 90 degrees or warmer	3	8	3	4
# of Days of Highs of 32 or lower	0	0	0	0
# of Days of Lows of 32 or lower	0	0	0	0
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	3.71	3.41	3.15	1.25
Departure from Normal	-0.60	-0.77	0.06	-2.56
Precipitation Rank	66th wettest / 136	56th driest / 111	36th wettest / 76	11th driest / 79
Days of 0.01" or more	11	9	9	5
Days of 0.10" or more	8	8	9	3
Days of 0.50" or more	2	2	1	1
Days of 1.00" or more	1	1	1	0
Monthly Snowfall	0			

Monthly Climate Summary

Springfield Temperature Chart

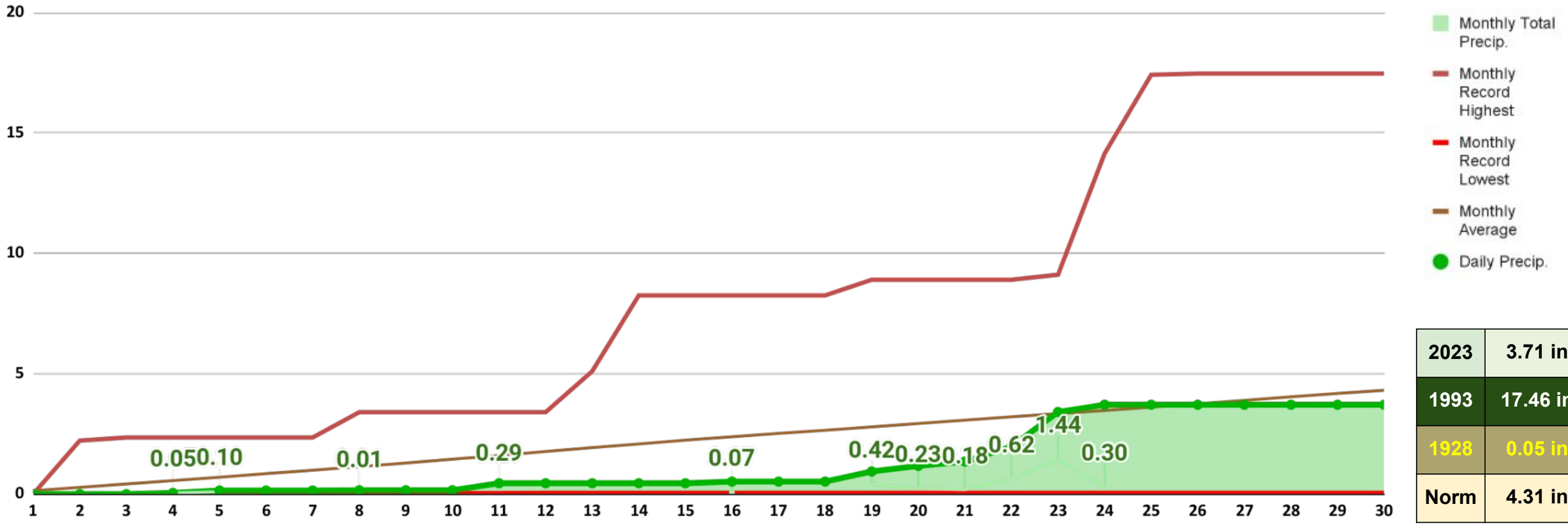
Springfield Temperatures September 2023



Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation September 2023

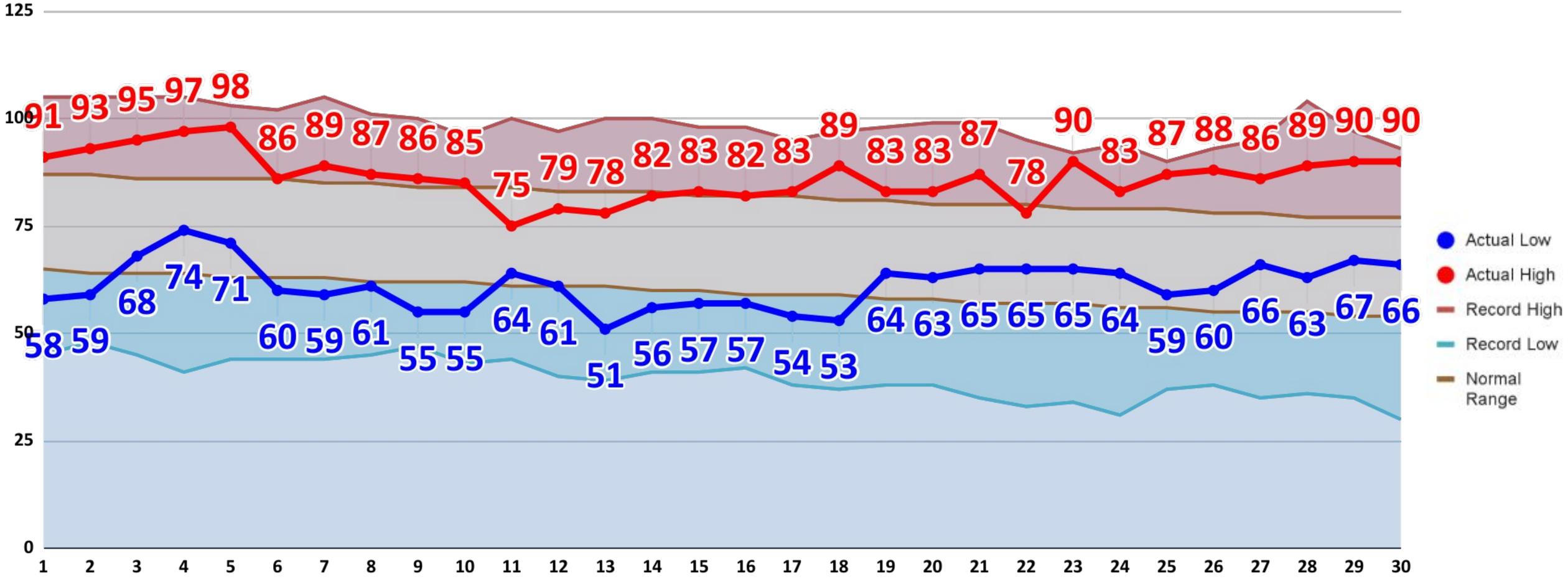


2023	3.71 in.
1993	17.46 in.
1928	0.05 in.
Norm	4.31 in.

Monthly Climate Summary

Joplin Temperature Chart

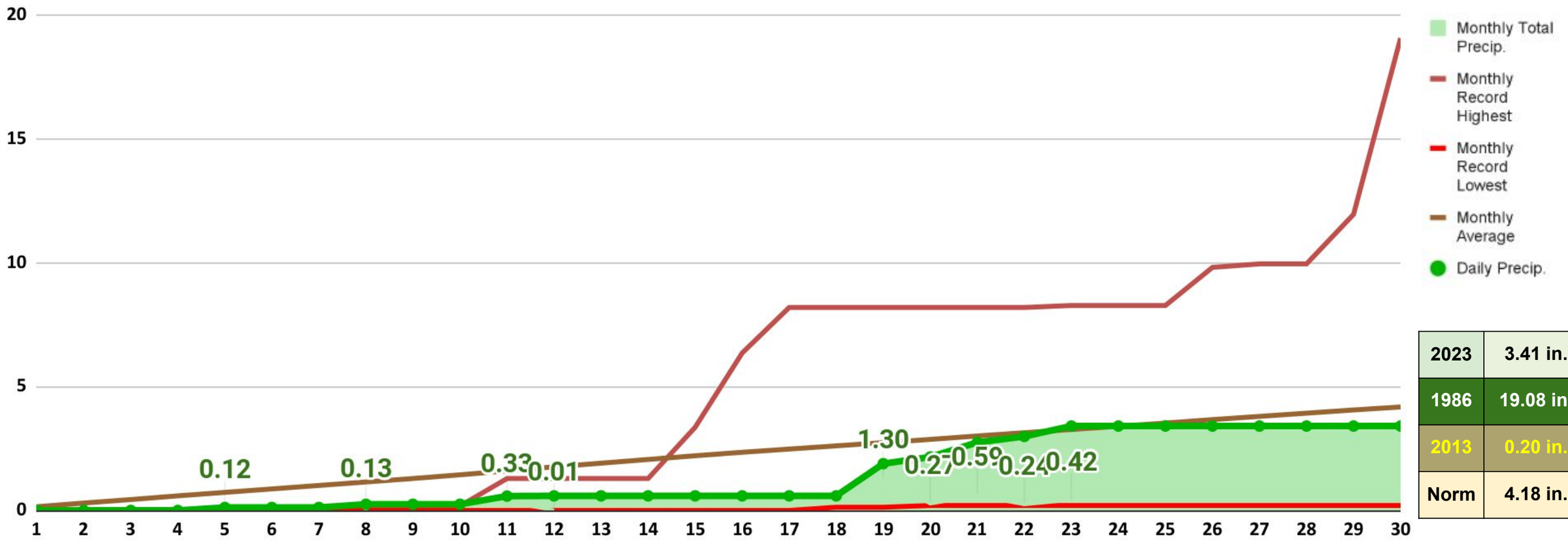
Joplin Temperatures September 2023



Monthly Climate Summary

Joplin Precipitation Chart

Joplin Precipitation September 2023

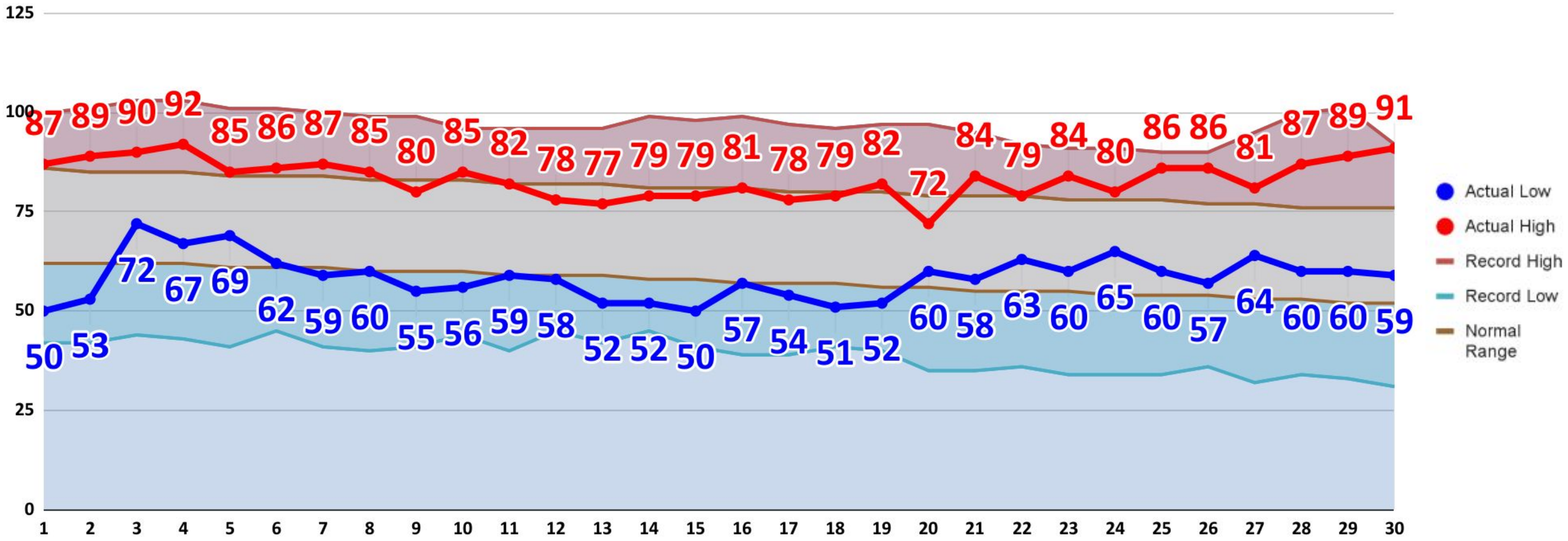


2023	3.41 in.
1986	19.08 in.
2013	0.20 in.
Norm	4.18 in.

Monthly Climate Summary

West Plains Temperature Chart

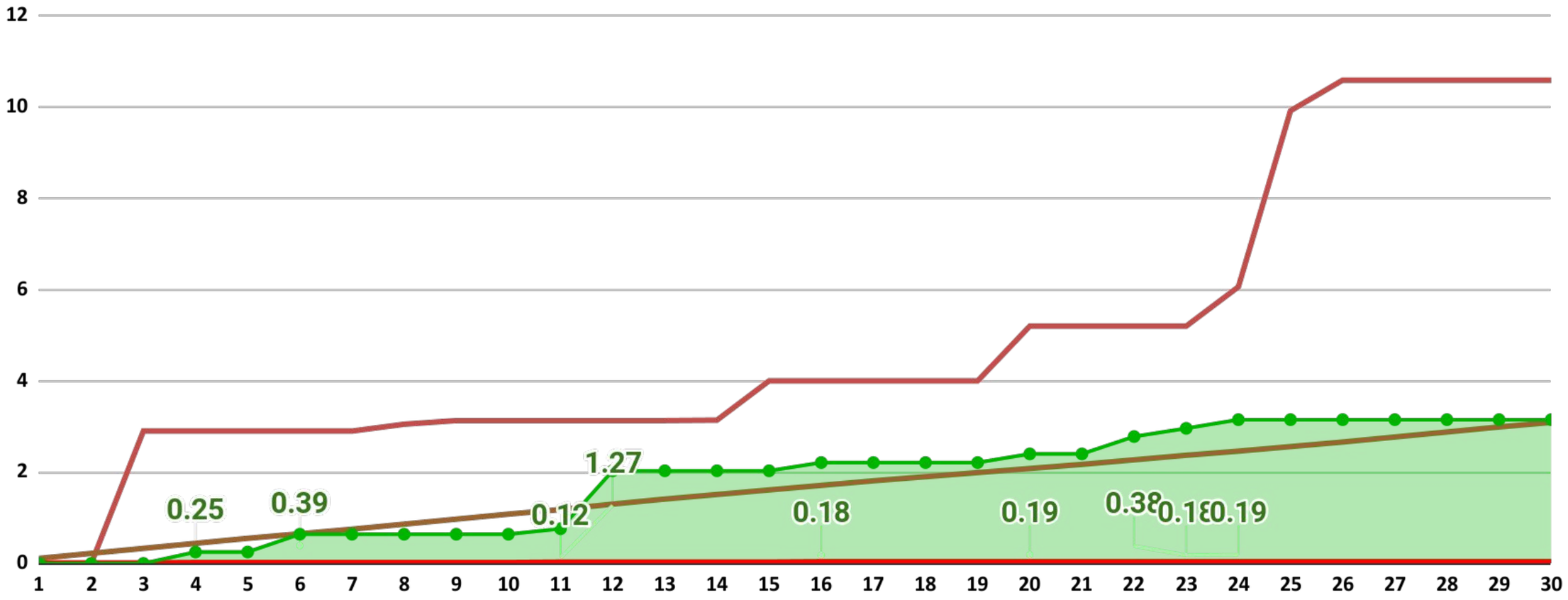
West Plains Temperatures September 2023



Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation September 2023

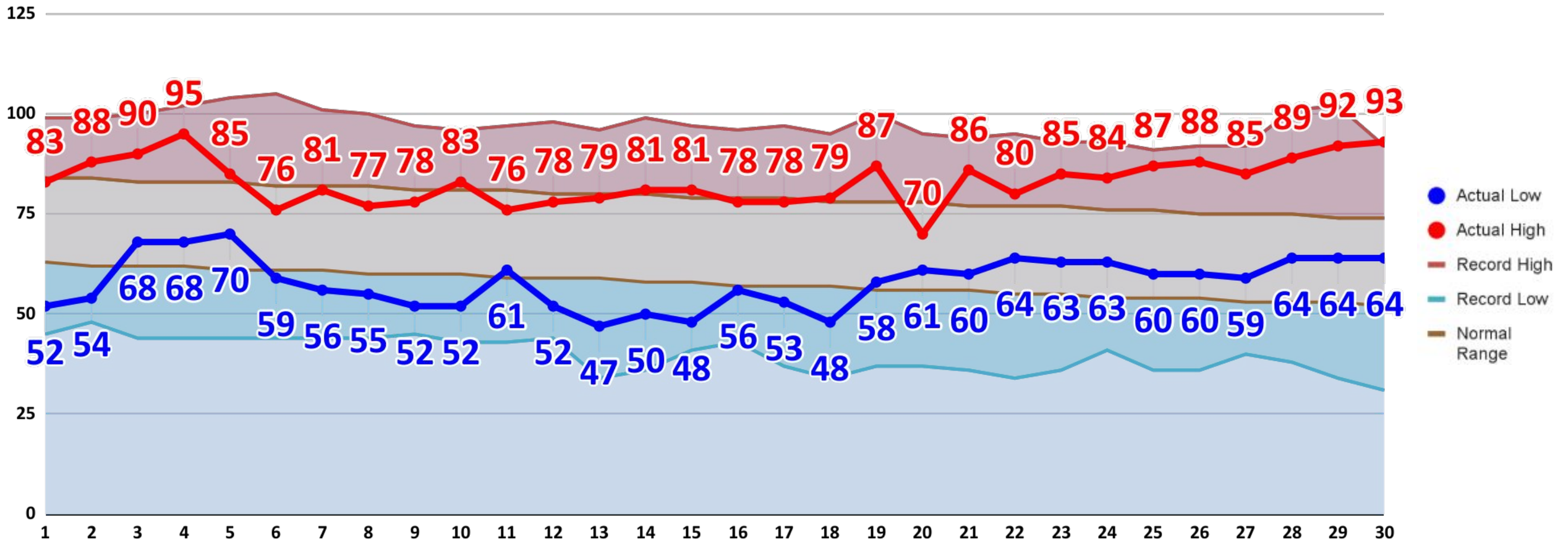


2023	3.15 in.
1993	10.59 in.
2004	0.04 in.
Norm	3.09 in.

Monthly Climate Summary

Rolla / Vichy Temperature Chart

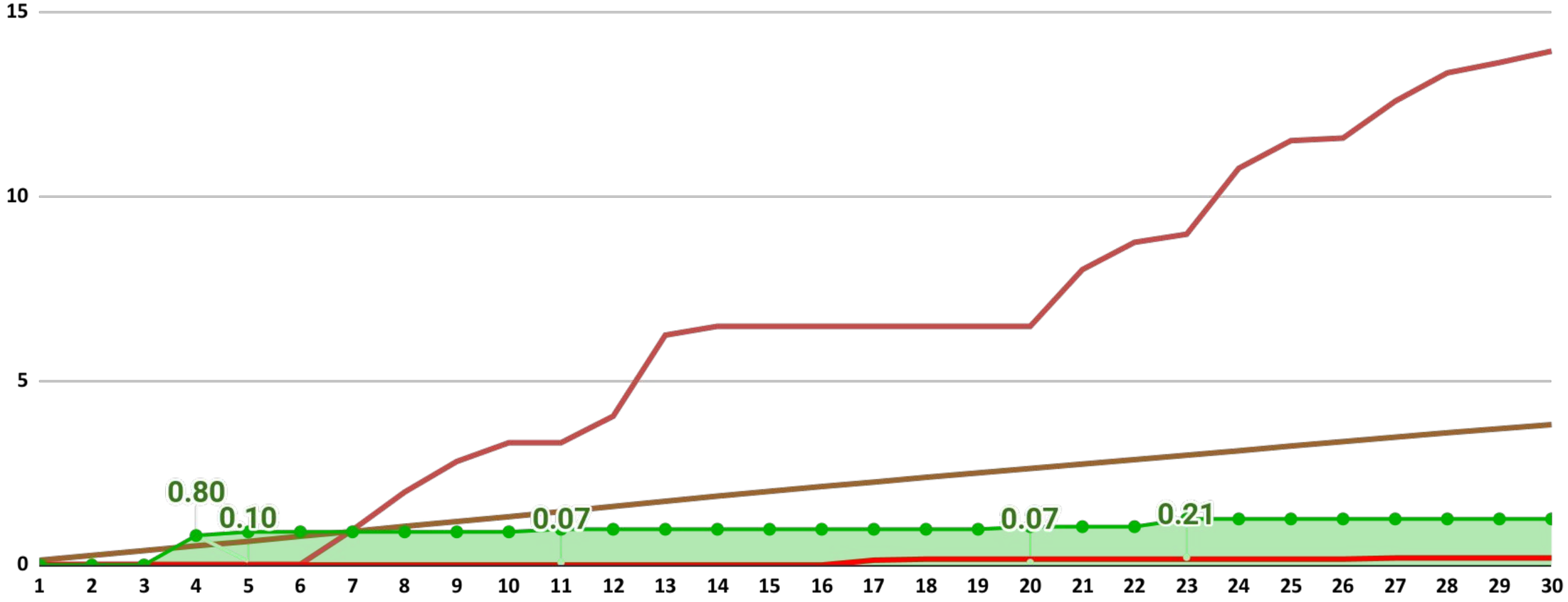
Rolla / Vichy Temperatures September 2023



Monthly Climate Summary

Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation September 2023



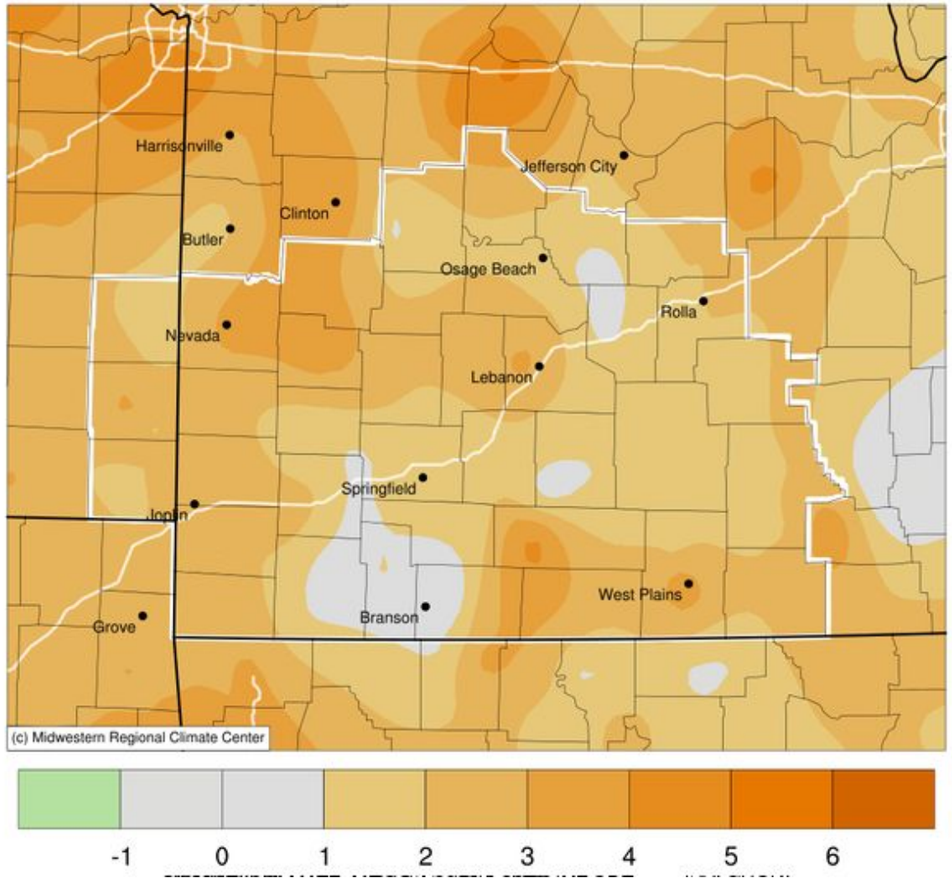
2023	1.25 in.
1945	13.95 in.
2017	0.19 in.
Norm	3.81 in.

Monthly Climate Summary

September 2023 - Monthly Departure Maps

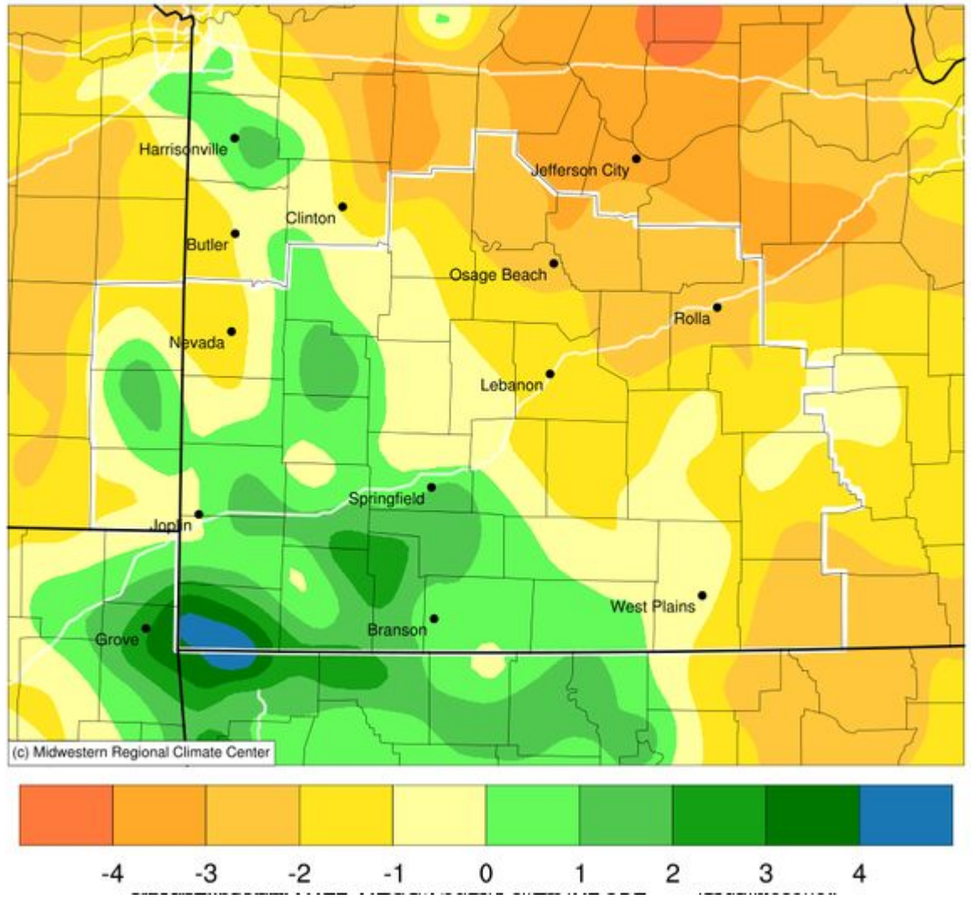
Average Temperature (°F): Departure from 1991-2020 Normals

September 01, 2023 to September 30, 2023



Accumulated Precipitation (in): Departure from 1991-2020 Normals

September 01, 2023 to September 30, 2023



Monthly Climate Summary

September 2023 - Records for the month

List of September 2023 Records		
Date	Station	Record
Sep 12th	West Plains	Record daily rainfall of 1.27 inches broke the old record of 0.98 inches set in 1951.
Sep 23rd	Joplin	Record high temperature of 90 tied the old record set in 2017.
Sep 30th	Vichy	Record high temperature of 93 broke the old record of 92 set in 1901.

Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
October	69.9	47.3	3.6	0.0
November	57.3	36.2	3.56	0.6
December	47.0	27.8	2.61	3.3

Upcoming Normal Conditions for the Next 3 Months			
Joplin			
Month	High	Low	Precip.
October	70.7	47.9	3.80
November	58.4	37.1	3.33
December	47.8	28.5	2.60

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
October	69.5	46.2	4.08
November	57.1	36.1	4.34
December	47.2	27.8	3.12

Rolla / Vichy			
Month	High	Low	Precip.
October	67.8	46.4	3.21
November	54.9	35.2	3.45
December	44.3	26.6	2.31

Monthly Climate Summary

September 2023 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
9/1/2023	86	59	72.5	-2.7	0	0	0
9/2/2023	89	60	74.5	-0.4	0	0	0
9/3/2023	92	68	80.0	5.4	0	0	0
9/4/2023	94	71	82.5	8.2	0.05	0	0
9/5/2023	92	70	81.0	7.0	0.1	0	0
9/6/2023	83	63	73.0	-0.7	0	0	0
9/7/2023	87	56	71.5	-1.9	0	0	0
9/8/2023	85	62	73.5	0.5	0.01	0	0
9/9/2023	82	53	67.5	-5.2	0	0	0
9/10/2023	84	54	69.0	-3.3	0	0	0
9/11/2023	78	63	70.5	-1.5	0.29	0	0
9/12/2023	79	57	68.0	-3.6	T	0	0
9/13/2023	77	52	64.5	-6.8	0	0	0
9/14/2023	80	53	66.5	-4.4	0	0	0
9/15/2023	81	54	67.5	-3.1	0	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
9/16/2023	79	57	68	-2.2	0.07	0	0
9/17/2023	79	54	66.5	-3.3	0	0	0
9/18/2023	83	51	67	-2.4	0	0	0
9/19/2023	83	61	72	2.9	0.42	0	0
9/20/2023	77	63	70	1.3	0.23	0	0
9/21/2023	86	63	74.5	6.2	0.18	0	0
9/22/2023	77	65	71	3.1	0.62	0	0
9/23/2023	87	66	76.5	9	1.44	0	0
9/24/2023	81	64	72.5	5.3	0.3	0	0
9/25/2023	85	59	72	5.2	0	0	0
9/26/2023	86	59	72.5	6.1	0	0	0
9/27/2023	84	62	73	7	T	0	0
9/28/2023	87	64	75.5	9.9	0	0	0
9/29/2023	87	65	76	10.8	0	0	0
9/30/2023	88	63	75.5	10.7	0	0	0

Monthly Climate Summary

September 2023 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
9/1/2023	91	58	74.5	-1.3	0.00
9/2/2023	93	59	76.0	0.5	0.00
9/3/2023	95	68	81.5	6.3	0.00
9/4/2023	97	74	85.5	10.6	0.00
9/5/2023	98	71	84.5	9.9	0.12
9/6/2023	86	60	73.0	-1.2	0.00
9/7/2023	89	59	74.0	0.1	M
9/8/2023	87	61	74.0	0.4	0.13
9/9/2023	86	55	70.5	-2.7	0.00
9/10/2023	85	55	70.0	-2.8	0.00
9/11/2023	75	64	69.5	-3.0	0.33
9/12/2023	79	61	70.0	-2.1	0.01
9/13/2023	78	51	64.5	-7.2	0.00
9/14/2023	82	56	69.0	-2.4	0.00
9/15/2023	83	57	70.0	-1.0	0.00

Date	Max	Min	Avg.	Depart	Precip.
9/16/2023	82	57	69.5	-1.1	T
9/17/2023	83	54	68.5	-1.7	0.00
9/18/2023	89	53	71.0	1.2	0.00
9/19/2023	83	64	73.5	4.1	1.30
9/20/2023	83	63	73.0	3.9	0.27
9/21/2023	87	65	76.0	7.3	0.59
9/22/2023	78	65	71.5	3.2	0.24
9/23/2023	90	65	77.5	9.6	0.42
9/24/2023	83	64	73.5	6.0	T
9/25/2023	87	59	73.0	5.9	0.00
9/26/2023	88	60	74.0	7.3	0.00
9/27/2023	86	66	76.0	9.6	0.00
9/28/2023	89	63	76.0	10.0	0.00
9/29/2023	90	67	78.5	12.9	0.00
9/30/2023	90	66	78.0	12.8	0.00

Monthly Climate Summary

September 2023 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
9/1/2023	87	50	68.5	-5.5	0.00
9/2/2023	89	53	71.0	-2.7	0.00
9/3/2023	90	72	81.0	7.6	0.00
9/4/2023	92	67	79.5	6.4	0.25
9/5/2023	85	69	77.0	4.2	0.00
9/6/2023	86	62	74.0	1.5	0.39
9/7/2023	87	59	73.0	0.8	0.00
9/8/2023	85	60	72.5	0.7	0.00
9/9/2023	80	55	67.5	-4.0	0.00
9/10/2023	85	56	70.5	-0.7	0.00
9/11/2023	82	59	70.5	-0.3	0.12
9/12/2023	78	58	68.0	-2.5	1.27
9/13/2023	77	52	64.5	-5.6	0.00
9/14/2023	79	52	65.5	-4.3	0.00
9/15/2023	79	50	64.5	-4.9	0.00

Date	Max	Min	Avg.	Depart	Precip.
9/16/2023	81	57	69.0	0.0	0.18
9/17/2023	78	54	66.0	-2.7	0.00
9/18/2023	79	51	65.0	-3.3	0.00
9/19/2023	82	52	67.0	-0.9	0.00
9/20/2023	72	60	66.0	-1.6	0.19
9/21/2023	84	58	71.0	3.8	0.00
9/22/2023	79	63	71.0	4.2	0.38
9/23/2023	84	60	72.0	5.6	0.18
9/24/2023	80	65	72.5	6.4	0.19
9/25/2023	86	60	73.0	7.3	0.00
9/26/2023	86	57	71.5	6.2	0.00
9/27/2023	81	64	72.5	7.6	T
9/28/2023	87	60	73.5	8.9	0.00
9/29/2023	89	60	74.5	10.3	0.00
9/30/2023	91	59	75.0	11.2	0.00

Monthly Climate Summary

September 2023 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
9/1/2023	83	52	67.5	-5.7	0.00
9/2/2023	88	54	71.0	-1.9	0.00
9/3/2023	90	68	79.0	6.4	T
9/4/2023	95	68	81.5	9.2	0.80
9/5/2023	85	70	77.5	5.5	0.10
9/6/2023	76	59	67.5	-4.2	0.00
9/7/2023	81	56	68.5	-2.8	0.00
9/8/2023	77	55	66.0	-5.0	0.00
9/9/2023	78	52	65.0	-5.7	0.00
9/10/2023	83	52	67.5	-2.8	0.00
9/11/2023	76	61	68.5	-1.5	0.07
9/12/2023	78	52	65.0	-4.6	T
9/13/2023	79	47	63.0	-6.3	0.00
9/14/2023	81	50	65.5	-3.4	0.00
9/15/2023	81	48	64.5	-4.1	0.00

Date	Max	Min	Avg.	Depart	Precip.
9/16/2023	78	56	67.0	-1.2	T
9/17/2023	78	53	65.5	-2.3	0.00
9/18/2023	79	48	63.5	-4.0	0.00
9/19/2023	87	58	72.5	5.4	0.00
9/20/2023	70	61	65.5	-1.2	0.07
9/21/2023	86	60	73.0	6.6	0.00
9/22/2023	80	64	72.0	6.0	0.00
9/23/2023	85	63	74.0	8.4	0.21
9/24/2023	84	63	73.5	8.2	0.00
9/25/2023	87	60	73.5	8.6	0.00
9/26/2023	88	60	74.0	9.5	0.00
9/27/2023	85	59	72.0	7.8	0.00
9/28/2023	89	64	76.5	12.7	0.00
9/29/2023	92	64	78.0	14.6	0.00
9/30/2023	93	64	78.5	15.4	0.00

Monthly Climate Summary

September 2023 - Precipitation Report

Station	Amount
ANDERSON 6.8 W	9.76
ANDERSON 4.2 W	8.86
ANDERSON 3W	8.15
FARLINGTON 0.8 NNE	7.89
AURORA 2.7 S	7.88
CRANE 0.7 SSW	7.73
CRANE 0.3 SW	7.72
MILLER 9.2 WNW	7.63
CAPE FAIR 2.1 N	7.50
SPRINGFIELD 4.9 SE	7.37
SARCOXIE 1.0 W	7.06
GIRARD 3.1 SSW	7.05
PITTSBURG	7.01
STOCKTON DAM	6.90
CLEVER 7.2 SE	6.74
STOCKTON 0.2 NW	6.67
VERONA 4.0 WNW	6.64

Station	Amount
BRANSON 3.8 E	6.64
SELIGMAN 3.0 N	6.61
CARTHAGE 4.5 E	6.56
STOCKTON 0.5 W	6.46
BATTLEFIELD 3.3 E	6.44
STOCKTON 2.5 NNE	6.39
PIERCE CITY 5.0 NE	6.34
NIXA 2.7 SSW	6.28
GREENFIELD 2SE	6.18
CASSVILLE 4.8 SSE	5.99
TABLE ROCK DAM	5.98
BILLINGS 1SW	5.95
SHELL KNOB 5.6 ESE	5.83
SUNDOWN 5.1 SE	5.82
GIRARD	5.81
CARTHAGE 1.5 S	5.75
SPRINGFIELD 0.7 ENE	5.71

Station	Amount
SPRINGFIELD 1.0 SSE	5.70
MONETT 1.8 N	5.65
CARTHAGE 3.8 SW	5.62
NEOSHO	5.59
REPUBLIC 0.8 SE	5.59
MOUNT VERNON 1.3 NNW	5.54
NEOSHO 2.0 NNW	5.49
GIRARD 4.6 W	5.48
GOLDEN CITY 0.6 SSW	5.44
HOLLISTER 3.8 SW	5.38
EMERALD BEACH 5.5 E	5.36
ASH GROVE 4S	5.34
GAINESVILLE 6.2 ENE	5.30
SPRINGFIELD 5.5 SSW	5.27
SPRINGFIELD 4.0 SW	5.27
MARIONVILLE 4.7 N	5.23
JOPLIN 24 N	5.18

Monthly Climate Summary

September 2023 - Precipitation Report

Station	Amount
APPLETON CITY	5.18
WALNUT GROVE 5.8 NNW	5.17
ROCKVILLE 7.9 E	5.15
WILLARD 5.8 NNE	5.11
GREENFIELD 2.9 WSW	5.07
GREENFIELD 3.1 ENE	5.06
OZARK BEACH 2 NNE	5.04
MORRISVILLE 2SW	5.01
WILLARD 2.6 W	5.00
BOLIVAR 1.0 ENE	4.95
NEOSHO 3.9 WNW	4.86
REPUBLIC 0.8 ESE	4.85
STARK CITY 5.5 ENE	4.83
LAMAR 0.3 ESE	4.81
BUFFALO 1.0 SW	4.80
TANEYVILLE 3.9 NNE	4.79
ALDRICH 5.0 ESE	4.62

Station	Amount
GREENFIELD 0.8 SSW	4.61
TECUMSEH 1W	4.60
FAIR PLAY 1.3 E	4.58
GALENA	4.57
JOPLIN 1.3 NW	4.53
LOCKWOOD	4.53
BRANSON 3.2 NNW	4.48
MONETT 4SW	4.44
BROOKLINE 2.3 NNW	4.43
KIMBERLING CITY 1.5 WNW	4.40
ASH GROVE 0.4 SSW	4.39
WALNUT GROVE 5.2 SE	4.37
DUNNEGAN 2.4 NNW	4.35
COLLINS 5.5 WNW	4.35
AVA 6NW	4.35
MANSFIELD 3.7 SSE	4.35
OAKLAND PARK 0.6 ESE	4.30

Station	Amount
GOLDEN CITY 6 S	4.25
FLEMINGTON 2.6 S	4.21
STOCKTON 5.6 S	4.16
AVA 0.8 NNW	4.11
CARL JUNCTION 3.1 WSW	4.07
CASSVILLE 1 NE	4.04
HALF WAY 0.8 WNW	4.04
SHOAL CREEK ESTATES 0.2	3.93
CASSVILLE 0.5 SW	3.93
PURDY 4.8 SSW	3.88
SPRINGFIELD WFO	3.88
TECUMSEH 2.2 SE	3.81
NEVADA 6.3 ESE	3.79
LICKING 4N	3.76
MARSHFIELD 4 WSW	3.75
SPRINGFIELD WSO AP	3.71
LEBANON 1.3 E	3.70

Monthly Climate Summary

September 2023 - Precipitation Report

Station	Amount
HERMITAGE 0.5 ESE	3.62
HOUSTON	3.62
WARSAW 3.8 NNE	3.55
ARCOLA 2.1 SW	3.54
MILLER	3.53
BOLIVAR 9.0 N	3.53
DEVON 0.1 SE	3.46
HOUSTON 1.1 NE	3.44
OSCEOLA 0.3 SW	3.42
JOPLIN REGIONAL AIRPORT	3.41
LINCOLN 0.4 NNE	3.40
ROUND SPRING 2SW	3.39
TRUMAN DAM & RESERVOIR	3.38
LAMAR 7N	3.37
LEBANON 0.6 N	3.34
MOUNTAIN VIEW 7.9 W	3.34
MARSHFIELD 1.4 W	3.33

Station	Amount
FAIR GROVE 4.7 SSW	3.28
FORT SCOTT	3.27
ELDORADO SPRINGS	3.21
PHILLIPSBURG 5.0 NW	3.21
PITTSBURG 4.9 WSW	3.19
STRAFFORD 2.7 SW	3.19
CONWAY 8.9 SW	3.18
WEST PLAINS MUNICIPAL A	3.15
RAYMONDVILLE 3.5 SE	3.15
MARSHFIELD 0.9 SE	3.13
FORT SCOTT 0.6 SW	3.10
WASOLA 5N	3.03
HARTVILLE	3.03
COLUMBUS	2.99
FORT SCOTT 9.3 NNE	2.96
POMME DE TERRE DAM	2.96
URBANA 2.7 NNE	2.95

Station	Amount
SALEM 14.9 E	2.91
WEST PLAINS	2.87
HOUSTON 5.0 SE	2.87
MOUNTAIN GROVE 14.0 S	2.84
HOUSTON 4.5 ESE	2.84
MOUNTAIN VIEW 7.0 NE	2.82
MANSFIELD	2.79
NEVADA WATER PLANT	2.74
STRAFFORD 2.4 SSW	2.64
HARTVILLE 3.8 WNW	2.63
LEBANON 6.3 N	2.62
WEST PLAINS 1.5 NW	2.62
BRANSON AIRPORT	2.56
LEBANON 2W	2.51
BOLIVAR 1 NE	2.44
WEST PLAINS 2.2 NNW	2.43
NEVADA 0.2 W	2.41

Station	Amount
SAVONBURG 4.1 ESE	2.40
WEST PLAINS 8.8 E	2.30
GOODSON 0.5 NNW	2.26
SALEM 10 W	2.25
MONTAUK STATE PARK	2.24
DORA 3SE	2.22
BRUMLEY 5.6 SW	2.22
WEST PLAINS 10.6 S	2.18
CLEVER 4.0 ENE	2.17
VERSAILLES 2.7 E	2.17
GRAVOIS MILLS 8.4 S	2.11
EMINENCE 4.7 ESE	2.07
MCCUNE 1.6 NW	2.04
NEVADA 3.4 NE	2.01
SUMMERSVILLE 3.6 S	2.01
KAISER LAKE OZARKS LEE	1.97
IBERIA	1.93

Monthly Climate Summary

September 2023 - Precipitation Report

Station	Amount
WINONA 3 SW	1.88
HOUSTON 2.0 S	1.87
SALEM 3.5 E	1.82
STOUTLAND 5.9 NNE/FSA	1.77
ROLLA 8.1 S	1.77
FORT LEONARD WOOD 5.4 S	1.73
WAYNESVILLE 3.5 WSW	1.72
ROLLA 4.4 WSW	1.71
NEWBURG 9.6 SSW	1.70
ROLLA 8.1 SSE	1.69
ROLLA 6.4 S	1.69
COLE CAMP 3NW	1.67
WALNUT 4S	1.65
COLE CAMP 0.4 SE	1.64
ROLLA 8.2 SSE	1.63
ROLLA 7.6 SSE	1.62
THEODOSIA 13.9 NE	1.60

Station	Amount
ELDON 3.8 NW	1.60
MOUNTAIN GROVE 13.0 NNW	1.57
ST. JAMES 10.1 SSE	1.57
SALEM 11.7 NNW	1.57
SALEM 1.8 NW	1.56
HARTVILLE 0.5 SSE	1.54
FORT LEONARD WOOD	1.52
WAYNESVILLE 2 W	1.48
ROLLA 3.2 SSW	1.46
DIXON 5.2 NE	1.41
ROLLA 2.8 S	1.38
STOVER 2.3 NW	1.35
LAKESIDE	1.35
AVA 13.2 SSW	1.34
ALTON 1.7 NNW	1.32
ROLLA 3.7 WNW	1.27
ROLLA 3.4 NW	1.27

Station	Amount
VICHY ROLLA NATL AP	1.25
ROLLA 0.9 SE	1.19
STOVER 3.2 SSE	1.17
DIAMOND 2W	1.15
ROLLA 1.3 S	1.15
ROLLA MISSOURI S&T	1.10
ROLLA 1.6 ENE	0.98
VERSAILLES	0.94
ROLLA 3.3 WSW	0.94
ROLLA 1.3 NE	0.88
MARSHFIELD 3.7 SE	0.84
MYRTLE 2.5 WNW	0.82
ALTON	0.69
ST. JAMES 1.2 SE	0.67
ELDON	0.57
MOUNT VERNON 0.2 E	0.45
SALEM	0.40