

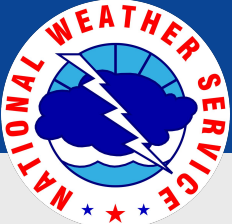


Monthly Climate Summary

August 2024 Overview

Monthly Climate Overview - August 2024				
Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	97	99	96	93
Average Max. Temperature	88.3	91.4	87.4	84.3
Minimum Temperature	56	58	54	53
Average Min. Temperature	67.8	68.5	67.1	65.8
Average Mean Temperature	78.1	79.9	77.2	75.1
Departure from Normal	-0.1	+0.9	0.3	-1.2
Temperature Rank	43rd warmest / 137	33rd warmest / 93	28th warmest / 76	25th coolest / 78
Days of 90 degrees or warmer	17	19	14	7
# 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	1.46	1.58	7.13	2.11
Departure from Normal	-2.13	-1.78	3.77	-1.55
Precipitation Rank	26th driest / 137	24th driest / 109	6th wettest / 76	18th driest / 80
Days of 0.01" or more	5	9	6	6
Days of 0.10" or more	3	2	5	5
Days of 0.50" or more	1	1	5	2
Days of 1.00" or more	1	0	3	0
Annual Snowfall	0.0			

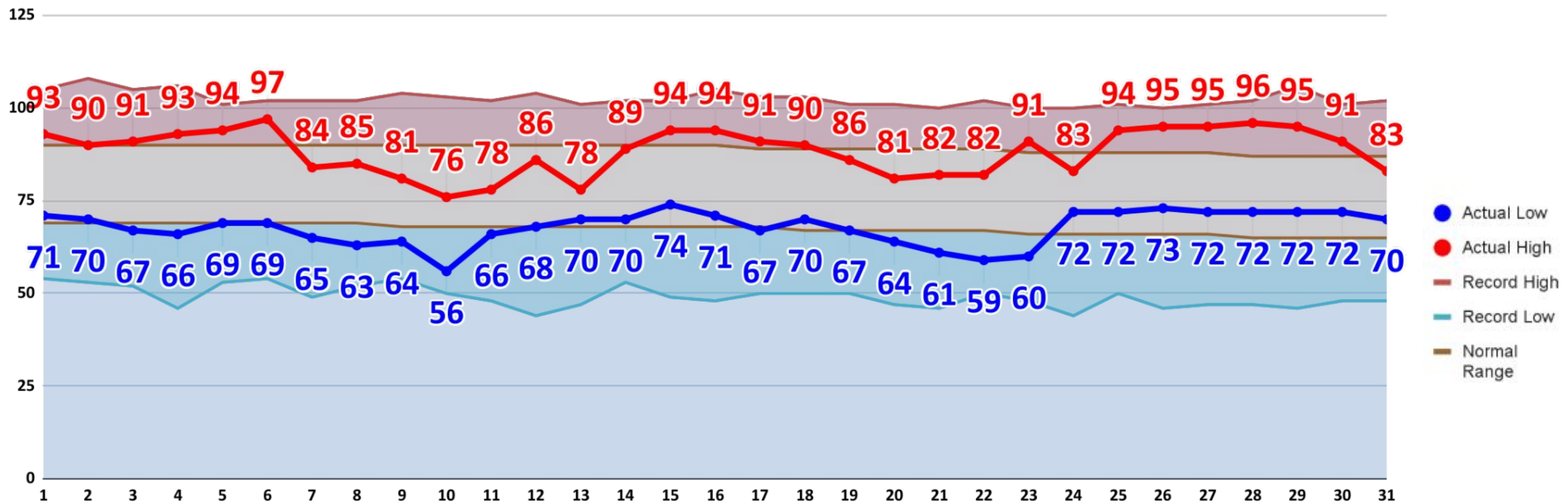




Monthly Climate Summary

Springfield Temperature Chart

Springfield Temperatures August 2024

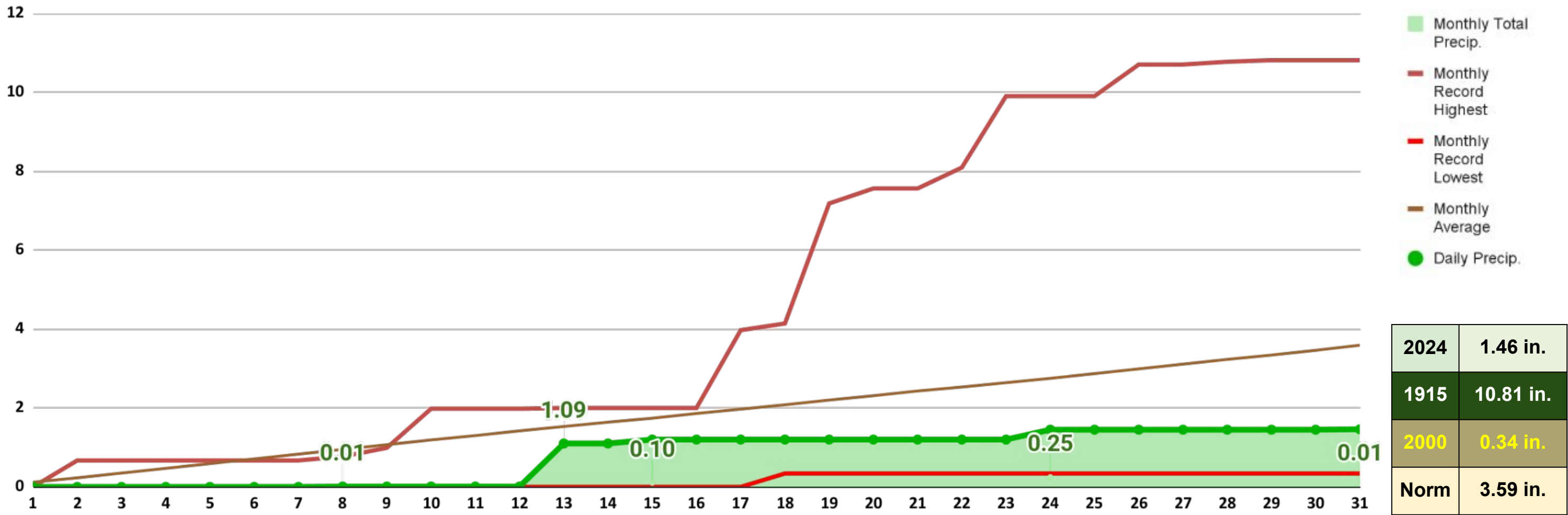


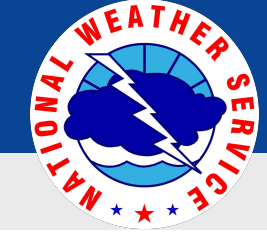


Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation August 2024

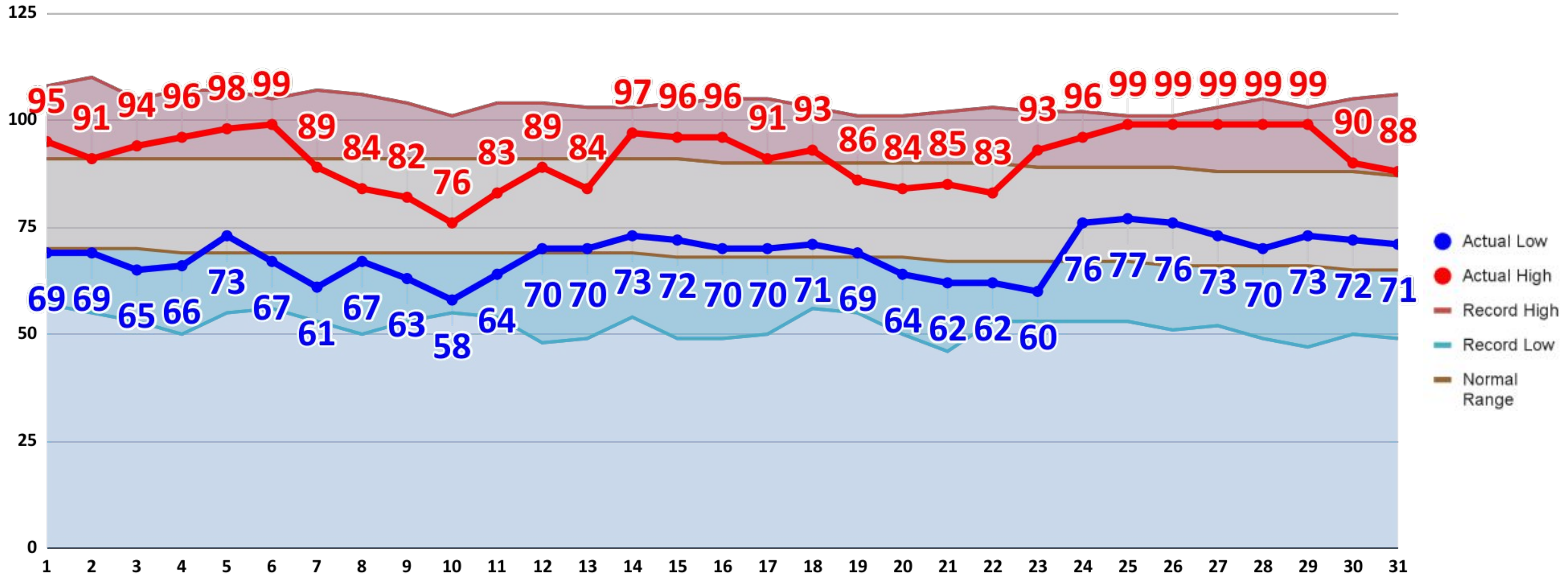


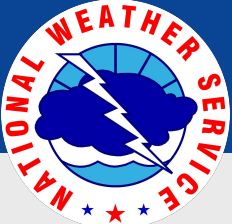


Monthly Climate Summary

Joplin Temperature Chart

Joplin Temperatures August 2024

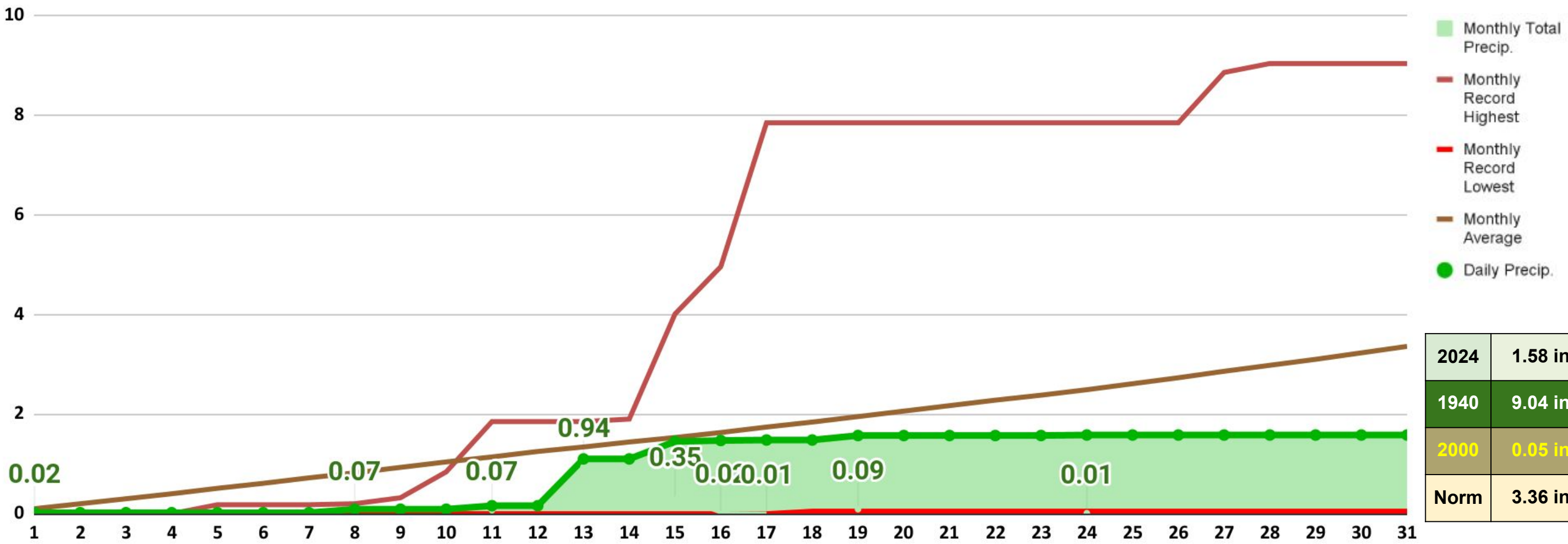




Monthly Climate Summary

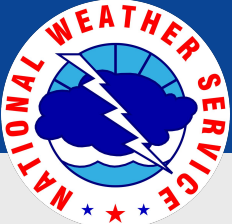
Joplin Precipitation Chart

Joplin Precipitation August 2024



2024	1.58 in.
1940	9.04 in.
2000	0.05 in.
Norm	3.36 in.

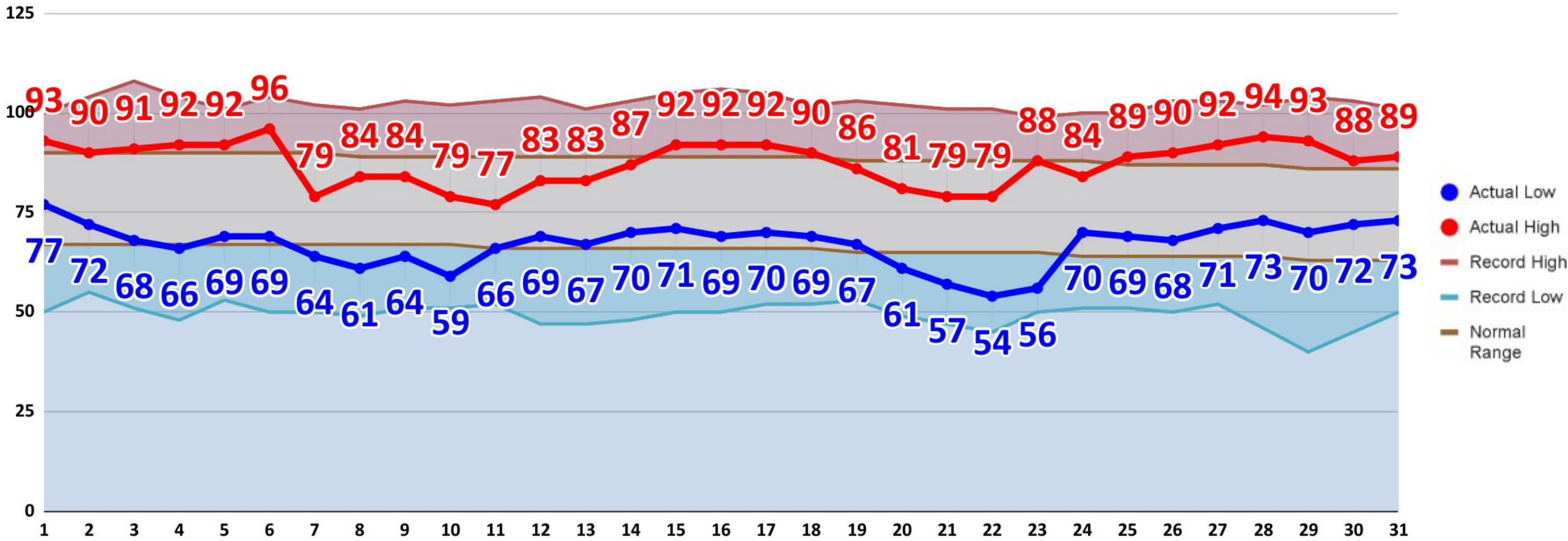


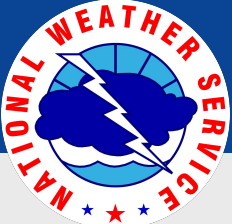


Monthly Climate Summary

West Plains Temperature Chart

West Plains Temperatures August 2024

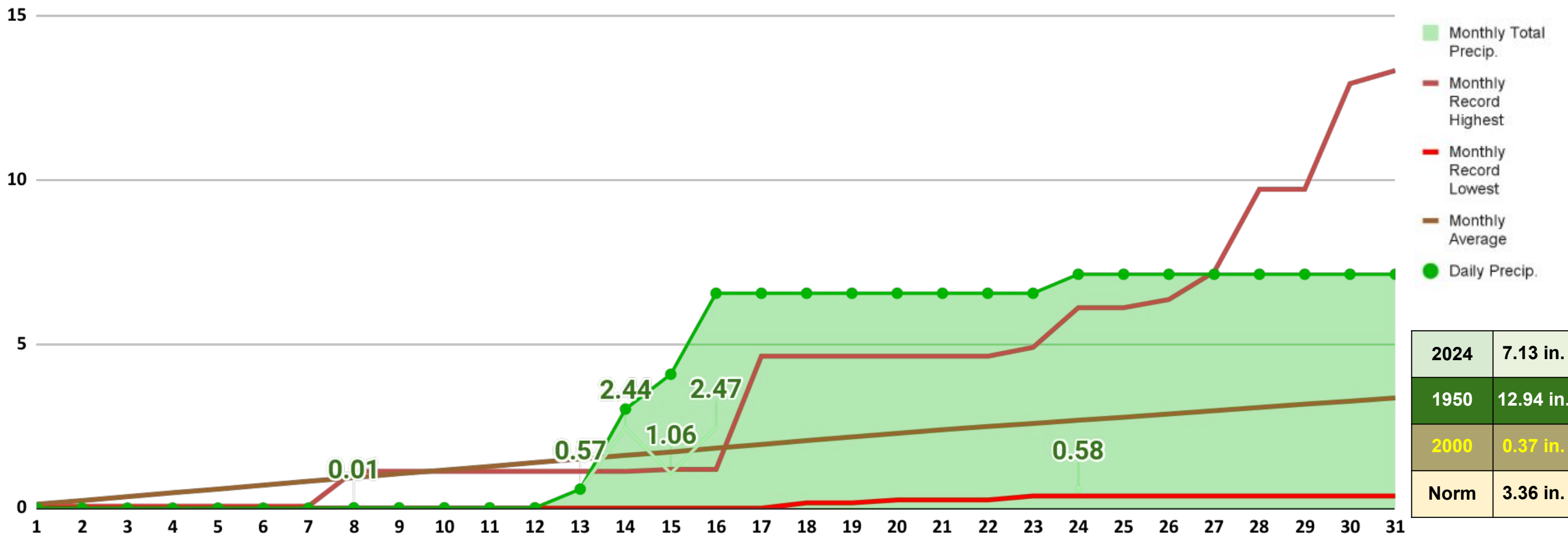


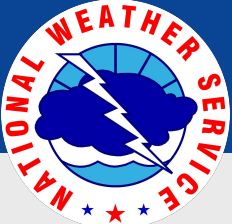


Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation August 2024

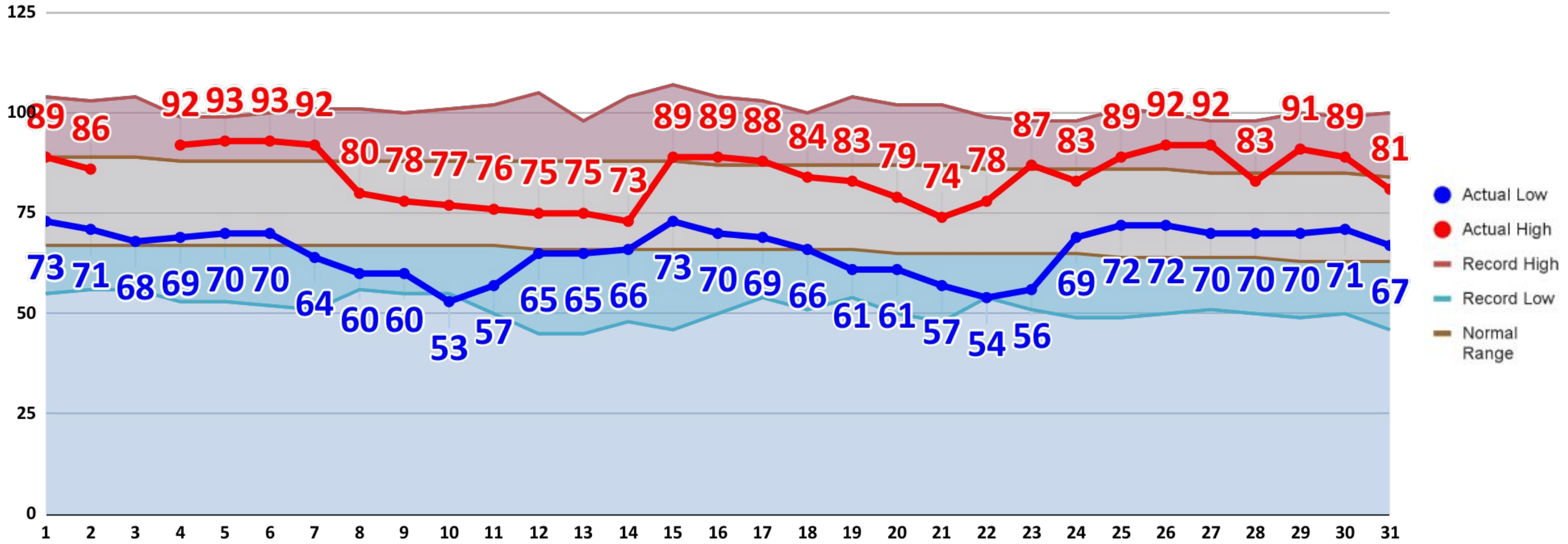


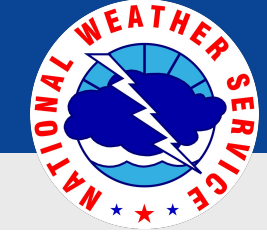


Monthly Climate Summary

Rolla / Vichy Temperature Chart

Rolla / Vichy Temperatures August 2024

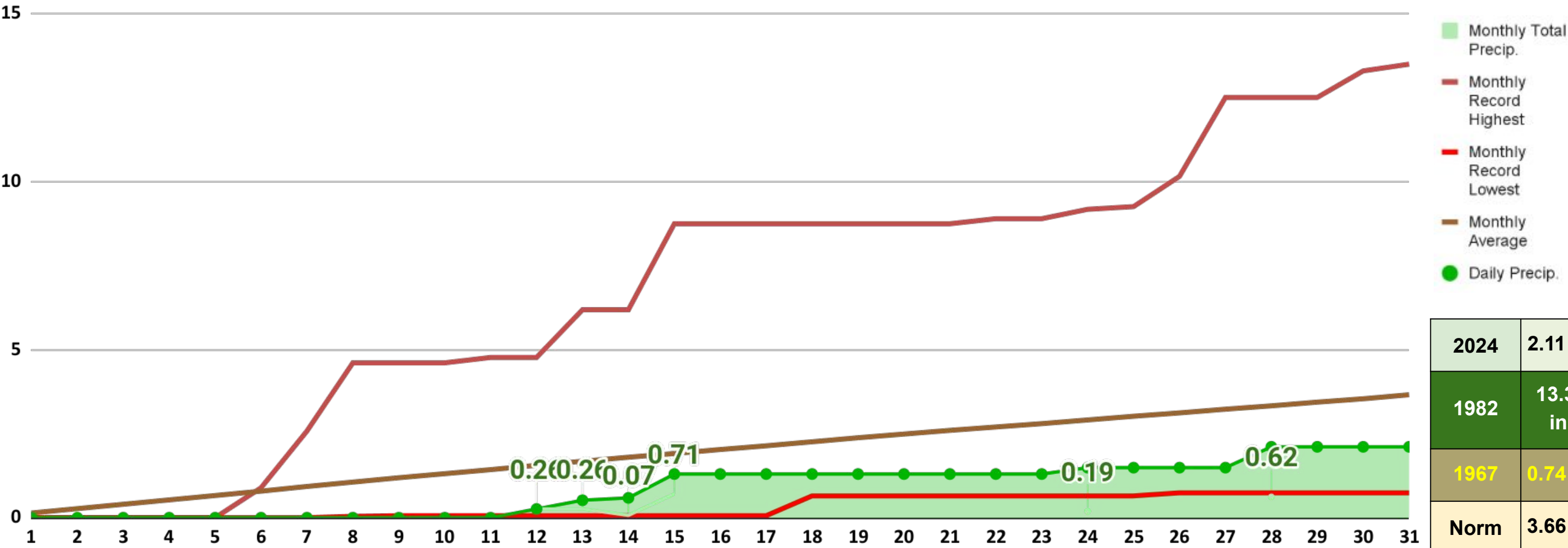




Monthly Climate Summary

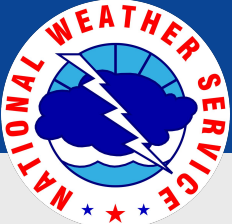
Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation August 2024



2024	2.11 in.
1982	13.30 in.
1967	0.74 in.
Norm	3.66 in.

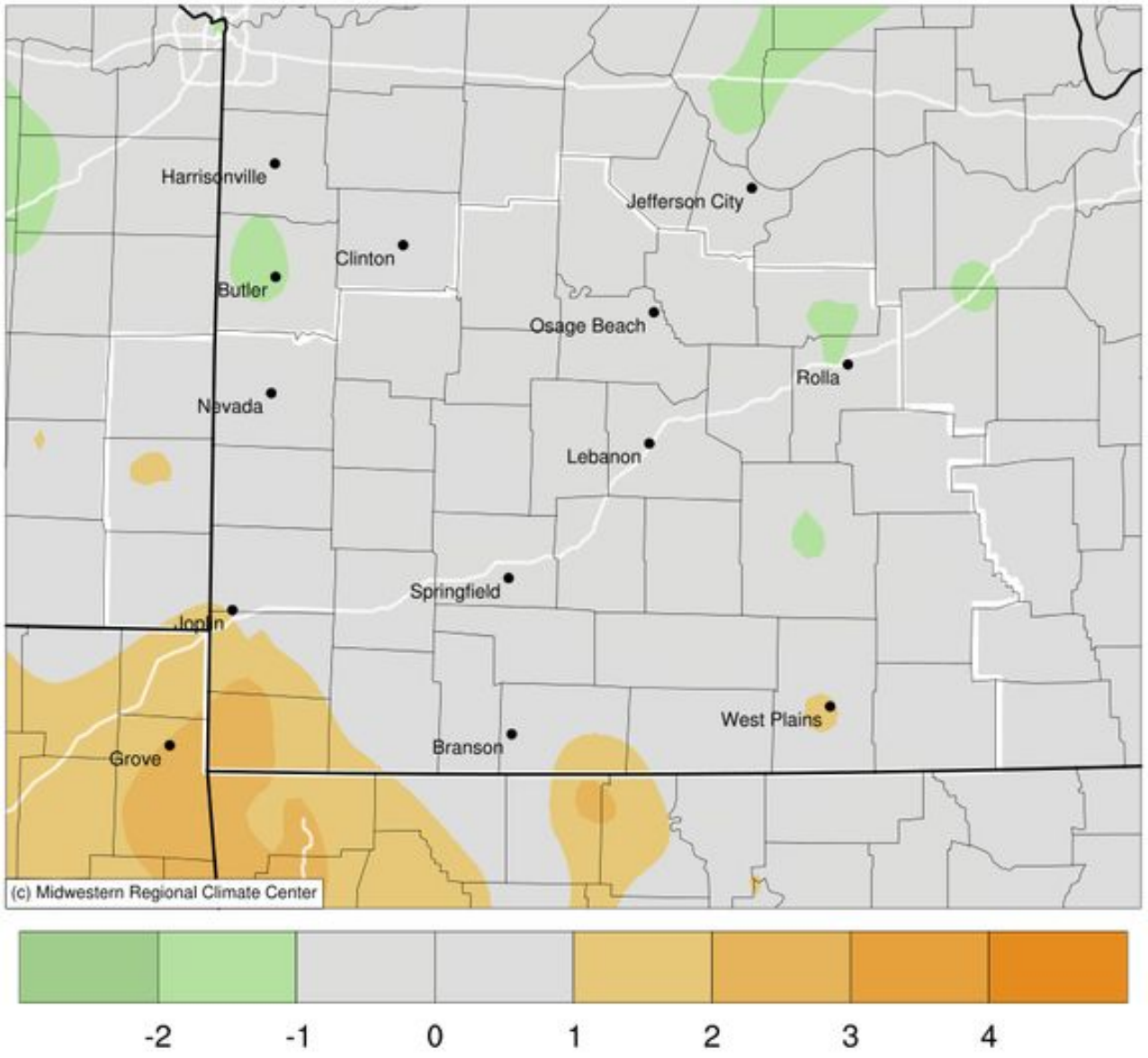




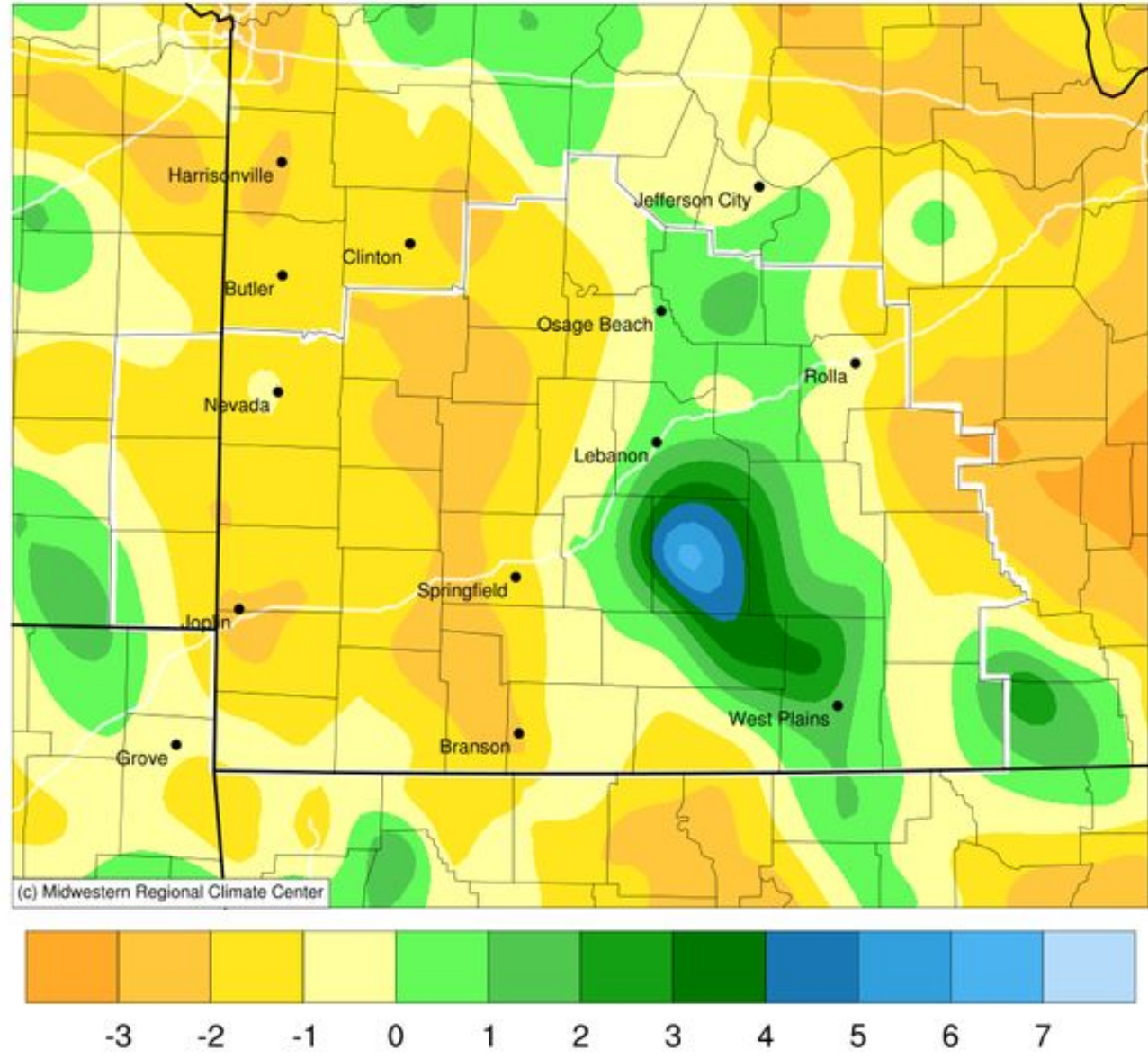
Monthly Climate Summary

August 2024 Monthly Departure Maps

Average Temperature (°F): Departure from 1991-2020 Normals
August 01, 2024 to August 31, 2024



Accumulated Precipitation (in): Departure from 1991-2020 Normals
August 01, 2024 to August 31, 2024





Monthly Climate Summary

August 2024 - Records for the Month

List of August 2024 Records		
Date	Station	Record
Aug 10	Vichy	Record low of 53 degrees broke the old record of 57 degrees set in 1967.
Aug 14	West Plains	Record rainfall of 2.44 inches broke the old record of 2.36 inches set in 1968.
Aug 16	West Plains	Record rainfall of 2.47 inches broke the old record of 1.43 inches set in 1977.
Aug 23	Vichy	Record low of 54 degrees tied the old record set in 1956.





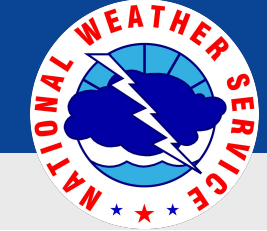
Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
September	81.4	59.1	4.31	0.0
October	69.9	47.3	3.6	0.6
November	57.3	36.2	3.56	0.0
Joplin				
Month	High	Low	Precip.	
September	82.0	59.4	4.18	
October	70.7	47.9	3.80	
November	58.4	37.1	3.33	

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
September	80.8	57.4	3.09
October	69.5	46.2	4.08
November	57.1	36.1	4.34
Rolla / Vichy			
Month	High	Low	Precip.
September	79.1	57.5	3.81
October	67.8	46.4	3.21
November	54.9	35.2	3.45



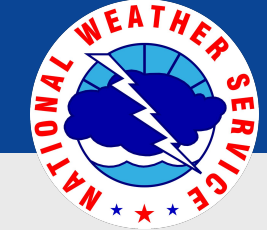


Monthly Climate Summary

August 2024 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
8/1/2024	93	71	82.0	2.4	0	0	0
8/2/2024	90	70	80.0	0.4	0	0	0
8/3/2024	91	67	79.0	-0.6	0	0	0
8/4/2024	93	66	79.5	-0.1	0	0	0
8/5/2024	94	69	81.5	2.0	0	0	0
8/6/2024	97	69	83.0	3.5	0	0	0
8/7/2024	84	65	74.5	-4.9	0	0	0
8/8/2024	85	63	74.0	-5.4	0.01	0	0
8/9/2024	81	64	72.5	-6.8	0	0	0
8/10/2024	76	56	66.0	-13.2	0	0	0
8/11/2024	78	66	72.0	-7.1	0	0	0
8/12/2024	86	68	77.0	-2.0	T	0	0
8/13/2024	78	70	74.0	-4.9	1.09	0	0
8/14/2024	89	70	79.5	0.7	0	0	0
8/15/2024	94	74	84.0	5.3	0.1	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
8/16/2024	94	71	82.5	3.9	T	0	0
8/17/2024	91	67	79	0.6	0	0	0
8/18/2024	90	70	80	1.7	0	0	0
8/19/2024	86	67	76.5	-1.6	T	0	0
8/20/2024	81	64	72.5	-5.4	0	0	0
8/21/2024	82	61	71.5	-6.3	0	0	0
8/22/2024	82	59	70.5	-7.1	0	0	0
8/23/2024	91	60	75.5	-1.9	0	0	0
8/24/2024	83	72	77.5	0.3	0.25	0	M
8/25/2024	94	72	83	6	0	0	0
8/26/2024	95	73	84	7.3	0	0	0
8/27/2024	95	72	83.5	7	0	0	0
8/28/2024	96	72	84	7.7	0	0	0
8/29/2024	95	72	83.5	7.5	0	0	0
8/30/2024	91	72	81.5	5.8	T	0	0
8/31/2024	83	70	76.5	1	0.01	0	0

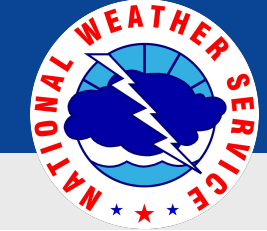


Monthly Climate Summary

August 2024 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
8/1/2024	95	69	82.0	1.6	0.02
8/2/2024	91	69	80.0	-0.4	0.00
8/3/2024	94	65	79.5	-0.8	0.00
8/4/2024	96	66	81.0	0.7	0.00
8/5/2024	98	73	85.5	5.2	0.00
8/6/2024	99	67	83.0	2.8	0.00
8/7/2024	89	61	75.0	-5.2	0.00
8/8/2024	84	67	75.5	-4.6	0.07
8/9/2024	82	63	72.5	-7.6	0.00
8/10/2024	76	58	67.0	-13.0	T
8/11/2024	83	64	73.5	-6.4	0.07
8/12/2024	89	70	79.5	-0.3	T
8/13/2024	84	70	77.0	-2.7	0.94
8/14/2024	97	73	85.0	5.4	0.00
8/15/2024	96	72	84.0	4.5	0.35

Date	Max	Min	Avg.	Depart	Precip.
8/16/2024	96	70	83.0	3.7	0.02
8/17/2024	91	70	80.5	1.3	0.01
8/18/2024	93	71	82.0	2.9	T
8/19/2024	86	69	77.5	-1.4	0.09
8/20/2024	84	64	74.0	-4.7	T
8/21/2024	85	62	73.5	-5.0	0.00
8/22/2024	83	62	72.5	-5.8	0.00
8/23/2024	93	60	76.5	-1.6	0.00
8/24/2024	96	76	86.0	8.1	0.01
8/25/2024	99	77	88.0	10.3	0.00
8/26/2024	99	76	87.5	10.0	0.00
8/27/2024	99	73	86.0	8.8	0.00
8/28/2024	99	70	84.5	7.5	0.00
8/29/2024	99	73	86.0	9.3	0.00
8/30/2024	90	72	81.0	4.6	T
8/31/2024	88	71	79.5	3.4	0.00

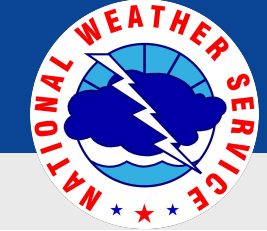


Monthly Climate Summary

August 2024 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
8/1/2024	93	77	85.0	6.6	0.00
8/2/2024	90	72	81.0	2.7	0.00
8/3/2024	91	68	79.5	1.2	0.00
8/4/2024	92	66	79.0	0.7	0.00
8/5/2024	92	69	80.5	2.3	0.00
8/6/2024	96	69	82.5	4.3	0.00
8/7/2024	79	64	71.5	-6.6	0.00
8/8/2024	84	61	72.5	-5.6	0.01
8/9/2024	84	64	74.0	-4.0	0.00
8/10/2024	79	59	69.0	-8.9	0.00
8/11/2024	77	66	71.5	-6.4	0.00
8/12/2024	83	69	76.0	-1.8	0.00
8/13/2024	83	67	75.0	-2.7	0.57
8/14/2024	87	70	78.5	0.9	2.44
8/15/2024	92	71	81.5	4.1	1.06

Date	Max	Min	Avg.	Depart	Precip.
8/16/2024	92	69	80.5	3.2	2.47
8/17/2024	92	70	81.0	3.8	0.00
8/18/2024	90	69	79.5	2.5	0.00
8/19/2024	86	67	76.5	-0.4	0.00
8/20/2024	81	61	71.0	-5.7	0.00
8/21/2024	79	57	68.0	-8.5	0.00
8/22/2024	79	54	66.5	-9.9	0.00
8/23/2024	88	56	72.0	-4.2	0.00
8/24/2024	84	70	77.0	1.0	0.58
8/25/2024	89	69	79.0	3.3	0.00
8/26/2024	90	68	79.0	3.5	0.00
8/27/2024	92	71	81.5	6.2	0.00
8/28/2024	94	73	83.5	8.5	0.00
8/29/2024	93	70	81.5	6.7	0.00
8/30/2024	88	72	80.0	5.5	T
8/31/2024	89	73	81.0	6.7	T

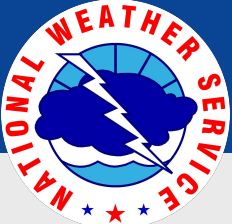


Monthly Climate Summary

August 2024 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
8/1/2024	89	73	81.0	3.2	T
8/2/2024	86	71	78.5	0.7	0.00
8/3/2024	M	68	M	M	0.00
8/4/2024	92	69	80.5	2.8	0.00
8/5/2024	93	70	81.5	3.8	0.00
8/6/2024	93	70	81.5	3.9	0.00
8/7/2024	92	64	78.0	0.4	0.00
8/8/2024	80	60	70.0	-7.5	0.00
8/9/2024	78	60	69.0	-8.4	0.00
8/10/2024	77	53	65.0	-12.3	T
8/11/2024	76	57	66.5	-10.7	0.00
8/12/2024	75	65	70.0	-7.1	0.26
8/13/2024	75	65	70.0	-7.0	0.26
8/14/2024	73	66	69.5	-7.4	0.07
8/15/2024	89	73	81.0	4.2	0.71

Date	Max	Min	Avg.	Depart	Precip.
8/16/2024	89	70	79.5	2.8	0.00
8/17/2024	88	69	78.5	2.0	0.00
8/18/2024	84	66	75.0	-1.4	0.00
8/19/2024	83	61	72.0	-4.2	0.00
8/20/2024	79	61	70.0	-6.0	0.00
8/21/2024	74	57	65.5	-10.3	0.00
8/22/2024	78	54	66.0	-9.6	0.00
8/23/2024	87	56	71.5	-3.9	0.00
8/24/2024	83	69	76.0	0.8	0.19
8/25/2024	89	72	80.5	5.5	0.00
8/26/2024	92	72	82.0	7.2	0.00
8/27/2024	92	70	81.0	6.5	0.00
8/28/2024	83	70	76.5	2.2	0.62
8/29/2024	91	70	80.5	6.5	0.00
8/30/2024	89	71	80.0	6.2	T
8/31/2024	81	67	74.0	0.5	T



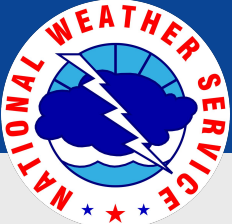
Monthly Climate Summary

August 2024 Precipitation Report

Station	Amount
HARTVILLE	11.40
HARTVILLE 0.5 SSE	10.81
HARTVILLE 3.8 WNW	10.10
MOUNTAIN GROVE 13.0 NNW	10.05
MOUNTAIN GROVE 14.0 S	7.33
WEST PLAINS MUNICIPAL A	7.13
NORWOOD 10.6 S - FSA	6.30
PHILLIPSBURG 5.0 NW	6.25
SUMMERSVILLE 3.6 S	5.28
IBERIA	5.19
WEST PLAINS 10.6 S	5.08
LEBANON 1.3 E	5.05
FORT LEONARD WOOD	4.85
MOUNTAIN VIEW 7.9 W	4.84
ROLLA 5.6 S	4.83
FORT LEONARD WOOD 5.4 S	4.77
BRUMLEY 5.6 SW	4.71

Station	Amount
ROLLA 4.4 WSW	4.70
MANSFIELD 3.7 SSE	4.66
ELDON	4.66
WEST PLAINS 1.5 NW	4.66
WEST PLAINS 2.2 NNW	4.65
ROLLA 3.2 SSW	4.60
ROLLA 1.6 ENE	4.41
WAYNESVILLE 2 W	4.35
LEBANON 0.6 N	4.34
ROLLA 3.3 WSW	4.33
ROLLA 2.8 S	4.32
ROLLA 2.2 SSE	4.13
ROLLA 2.2 S	4.13
STRAFFORD 2.4 SSW	4.11
LEBANON 6.3 N	4.10
ROLLA 0.9 SE	4.10
WEST PLAINS	4.05

Station	Amount
MARSHFIELD 4 WSW	4.04
ROLLA 1.3 NE	3.97
ROLLA 2.1 SE	3.97
SALEM 10 W	3.95
ROLLA 1.3 S	3.93
LICKING 4N	3.92
NEWBURG 9.6 SSW	3.85
WEST PLAINS 8.8 E	3.84
WAYNESVILLE 3.5 WSW	3.75
HOUSTON 5.0 SE	3.74
MARSHFIELD 3.7 SE	3.73
ROLLA MISSOURI S&T	3.69
ROLLA 3.4 NW	3.65
MARSHFIELD 1.4 W	3.62
ROLLA 3.7 WNW	3.60
HOUSTON 4.5 ESE	3.58
ROLLA 8.1 SSE	3.55



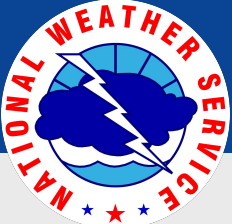
Monthly Climate Summary

August 2024 Precipitation Report

Station	Amount
MOUNTAIN VIEW 7.0 NE	3.46
STRAFFORD 2.7 SW	3.42
ROLLA 8.1 S	3.40
DIXON 5.2 NE	3.34
NEVADA 0.2 W	3.33
MCCUNE 1.6 NW	3.26
COLUMBUS	3.26
CASSVILLE 4.8 SSE	3.26
DORA 3SE	3.18
MILLER	3.16
ROLLA 8.2 SSE	3.16
ALTON	3.14
BUFFALO 1.0 SW	3.13
ROLLA 7.6 SSE	3.12
ROLLA 6.4 S	3.10
NEVADA WATER PLANT	3.09
ANDERSON 4.2 W	3.06

Station	Amount
ANDERSON 7.5 WSW	3.04
WINONA 3 SW	3.04
SELIGMAN 3.0 N	3.02
KAISER LAKE OZARKS LEE	3.02
LAMAR 7N	2.95
VERSAILLES 2.7 E	2.95
BRANSON AIRPORT	2.95
ROUND SPRING 2SW	2.94
EMINENCE 4.7 ESE	2.86
TANEYVILLE 3.9 NNE	2.86
ANDERSON 6.8 W	2.83
ROLLA 6.4 NNW	2.78
ANDERSON 3W	2.73
GRAVOIS MILLS 8.4 S	2.73
GIRARD 10.6 W	2.69
DEVON 0.1 SE	2.68
ALTON 1.7 NNW	2.68

Station	Amount
GREENFIELD 0.8 SSW	2.68
FAIR GROVE 4.7 SSW	2.51
HOUSTON 1.1 NE	2.51
WARSAW 3.8 NNE	2.50
NEVADA 3.4 NE	2.47
CONWAY 8.9 SW	2.47
SAVONBURG 4.1 ESE	2.46
GIRARD	2.45
FARLINGTON 0.8 NNE	2.44
OZARK BEACH 2 NNE	2.42
GREENFIELD 2SE	2.38
WASOLA 5N	2.37
STELLA 2.8 SW	2.36
LOCKWOOD	2.36
ELDORADO SPRINGS	2.35
GREENFIELD 2.9 WSW	2.35
FORT SCOTT 0.6 W	2.33



Monthly Climate Summary

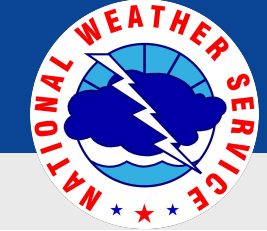
August 2024 Precipitation Report

Station	Amount
LAMAR 0.3 ESE	2.32
URBANA 2.7 NNE	2.32
ST. JAMES 10.1 SSE	2.32
FLEMINGTON 1W	2.27
CASSVILLE 1 NE	2.26
PURDY 4.8 SSW	2.26
MOUNT VERNON 0.2 E	2.26
GIRARD 4.6 W	2.23
STOVER 2.3 NW	2.23
MONTAUK STATE PARK	2.23
HOUSTON	2.22
SALEM 5.0 WNW	2.22
COLE CAMP 3NW	2.18
CASSVILLE 0.5 SW	2.18
NEVADA 6.3 ESE	2.17
MONETT 4SW	2.14
TRUMAN DAM & RESERVOIR	2.13

Station	Amount
VICHY ROLLA NATL AP	2.11
MOUNT VERNON 1.3 NNW	2.10
GREENFIELD 3.1 ENE	2.09
BOLIVAR 9.0 N	2.08
BATTLEFIELD 3.3 E	2.06
COLE CAMP 0.4 SE	2.05
SPRINGFIELD 4.9 SE	2.05
ROCKVILLE 7.9 E	2.04
TECUMSEH 1W	2.00
TECUMSEH 2.2 SE	1.94
SPRINGFIELD 4.0 SW	1.92
KIMBERLING CITY 1.5 WNW	1.92
FLEMINGTON 2.6 S	1.91
HOUSTON 2.0 S	1.88
RAYMONDVILLE 3.5 SE	1.88
PITTSBURG	1.86
STARK CITY 5.5 ENE	1.86

Station	Amount
LAKESIDE	1.86
SPRINGFIELD 2.6 ESE	1.81
SPRINGFIELD 0.7 ENE	1.81
AVA 6NW	1.79
GAINESVILLE 6.2 ENE	1.78
COLLINS 5.5 WNW	1.76
AVA 0.8 NNW	1.72
HALF WAY 0.8 WNW	1.71
FORT SCOTT	1.69
WALNUT GROVE 6.0 ESE	1.68
NEOSHO 3.9 WNW	1.67
EMERALD BEACH 5.5 E	1.67
CARTHAGE 1.5 S	1.64
ST. JAMES 1.2 SE	1.63
WALNUT 4S	1.62
PIERCE CITY 5.0 NE	1.60
NEOSHO	1.58

Station	Amount
JOPLIN REGIONAL AIRPORT	1.58
NEOSHO 2.0 NNW	1.57
POMME DE TERRE DAM	1.56
BROOKLINE 2.3 NNW	1.56
APPLETON CITY	1.55
CARL JUNCTION 3.1 WSW	1.54
PITTSBURG 2.2 E	1.54
SALEM 1.8 NW	1.53
CARTHAGE 3.8 SW	1.51
WALNUT GROVE 5.8 NNW	1.50
JOPLIN 24 N	1.49
ASH GROVE 0.4 SSW	1.49
OAKLAND PARK 0.6 ESE	1.48
SPRINGFIELD WSO AP	1.46
ROCKY COMFORT 0.8 S	1.45
ALDRICH 5.0 ESE	1.45
CAPE FAIR 2.1 N	1.44



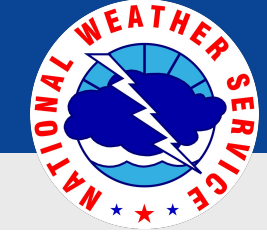
Monthly Climate Summary

August 2024 Precipitation Report

Station	Amount
MOUNTAIN GROVE 2 N	1.42
SHELL KNOB 5.6 ESE	1.42
SPRINGFIELD 1.0 SSE	1.41
MONETT 1.8 N	1.38
GOODSON 0.5 NNW	1.38
CLEVER 4.0 ENE	1.37
REPUBLIC 0.8 ESE	1.36
PITTSBURG 1.0 ESE	1.35
SPRINGFIELD WFO	1.35
DUNNEGAN 2.4 NNW	1.35
CARTHAGE 4.5 E	1.34
WILLARD 5.8 NNE	1.34
MILLER 9.2 WNW	1.33
MORRISVILLE 2SW	1.32
NIXA 2.7 SSW	1.32
LINCOLN 0.4 NNE	1.28
WILLARD 3.4 SW	1.25

Station	Amount
BOLIVAR 1.0 ENE	1.22
BOLIVAR 1 NE	1.21
JOPLIN 1.3 NW	1.20
STOCKTON 0.2 NW	1.19
WALNUT GROVE 5.2 SE	1.18
GOLDEN CITY 6 S	1.13
STOCKTON 0.5 W	1.13
SALEM 11.7 NNW	1.13
JOPLIN 2.8 SW	1.07
WILLARD 2.6 W	1.07
CRANE 0.7 SSW	1.06
STOCKTON 5.6 S	1.06
SALEM	1.05
BRANSON 3.2 NNW	1.03
MARIONVILLE 4.7 N	1.02
FAIR PLAY 1.3 E	1.00
SARCOXIE 1.0 W	0.97

Station	Amount
HERMITAGE 0.5 ESE	0.97
SALEM 3.5 E	0.97
BILLINGS 1SW	0.96
AURORA 2.7 S	0.96
HOLLISTER 3.8 SW	0.96
OSCEOLA 0.3 SW	0.96
GIRARD 3.1 SSW	0.95
ASH GROVE 4S	0.95
STOCKTON 2.5 NNE	0.95
CLEVER 7.2 SE	0.93
SHOAL CREEK ESTATES 0.2	0.92
STOCKTON DAM	0.92
DIAMOND 2W	0.90
PITTSBURG 4.9 WSW	0.90
CRANE 0.3 SW	0.90
SALEM 14.9 E	0.89
GALENA	0.88



Monthly Climate Summary

Report Information and Data Sources

- *Some missing data may at times occur in these preliminary reports when there are outages on the observing systems.*
- *These monthly reports are preliminary reports and have not been certified.*
- *Certified copies can be ordered for legal use by going to <https://ncei.noaa.gov/cdo-web/>*
- *The maps of the departures from normal on precipitation and temperature are obtained from the Midwestern Regional Climate Center.*
- *Data records for Springfield go from January 1st of 1888 through current.*
- *Data records for Joplin go from January 1st of 1902 through current.*
- *Data records for West Plains go from July 1 of 1948 through September 27th of 1996 and for the ASOS from September 28th of 1996 through current.*
- *Data records for Vichy go from May 1 of 1897 through current.*