Monthly Climate Summary

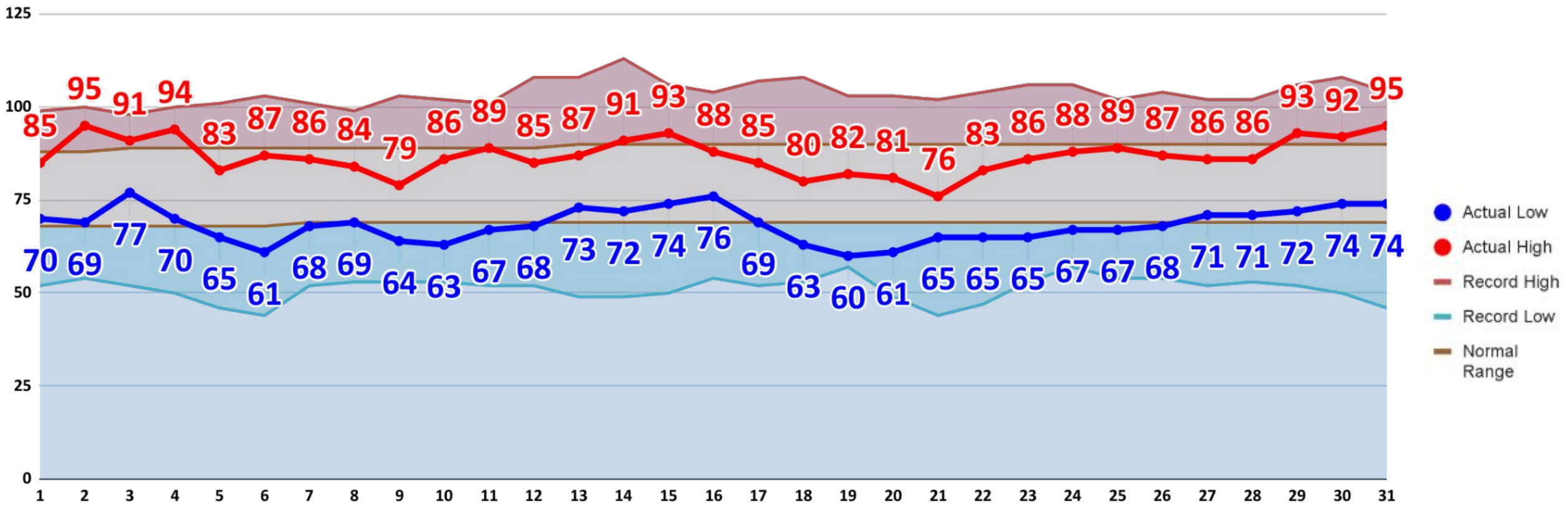
July 2024 Overview

Monthly Climate Overview - July 2024				
Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	95	99	94	93
Average Max. Temperature	86.8	90.2	86.8	84.8
Minimum Temperature	60	60	57	58
Average Min. Temperature	68.3	70.1	68.3	67.5
Average Mean Temperature	77.6	80.1	77.6	76.1
Departure from Normal	-1.6	+0.2	-0.3	-1.3
Temperature Rank	67th coolest / 137	43rd warmest / 94	38th warmest / 77	21st coolest / 77
Days of 90 degrees or warmer	8	18	10	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	5.15	5.1	7.77	10.02
Departure from Normal	1.30	1.13	3.56	5.59
Precipitation Rank	30th wettest / 137	22nd wettest / 111	5th wettest / 77	3rd wettest / 80
Days of 0.01" or more	10	8	11	13
Days of 0.10" or more	8	3	7	10
Days of 0.50" or more	3	3	6	8
Days of 1.00" or more	1	3	2	3
Annual Snowfall	0.0			

Monthly Climate Summary

Springfield Temperature Chart

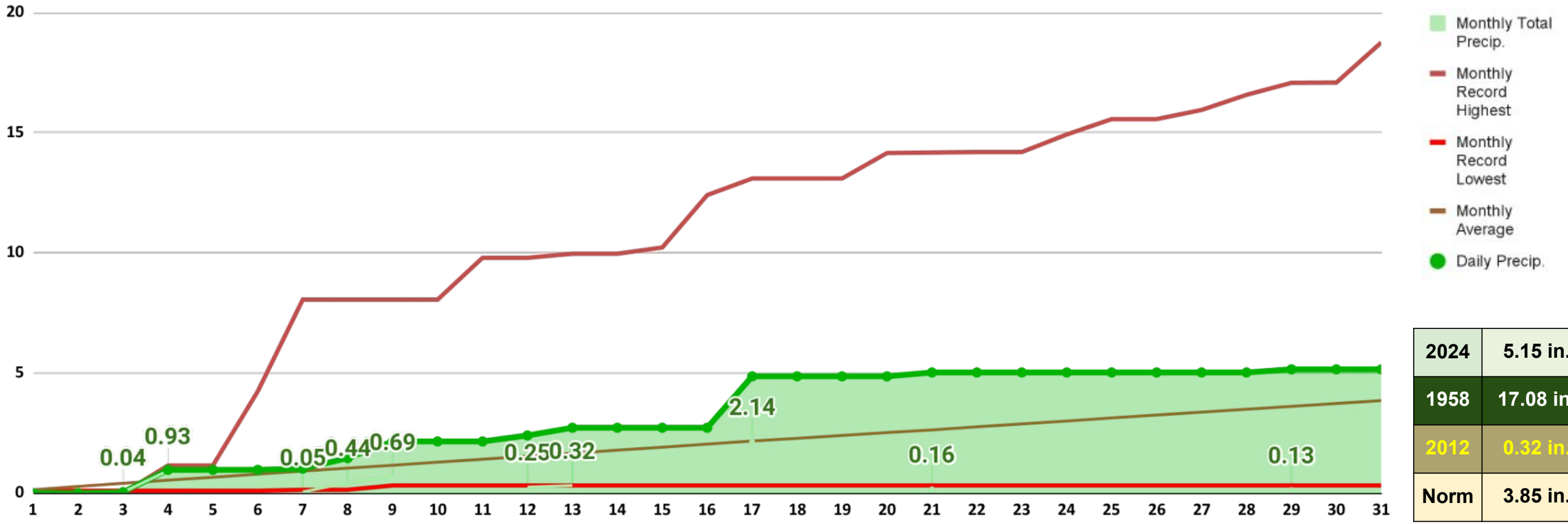
Springfield Temperatures July 2024



Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation July 2024

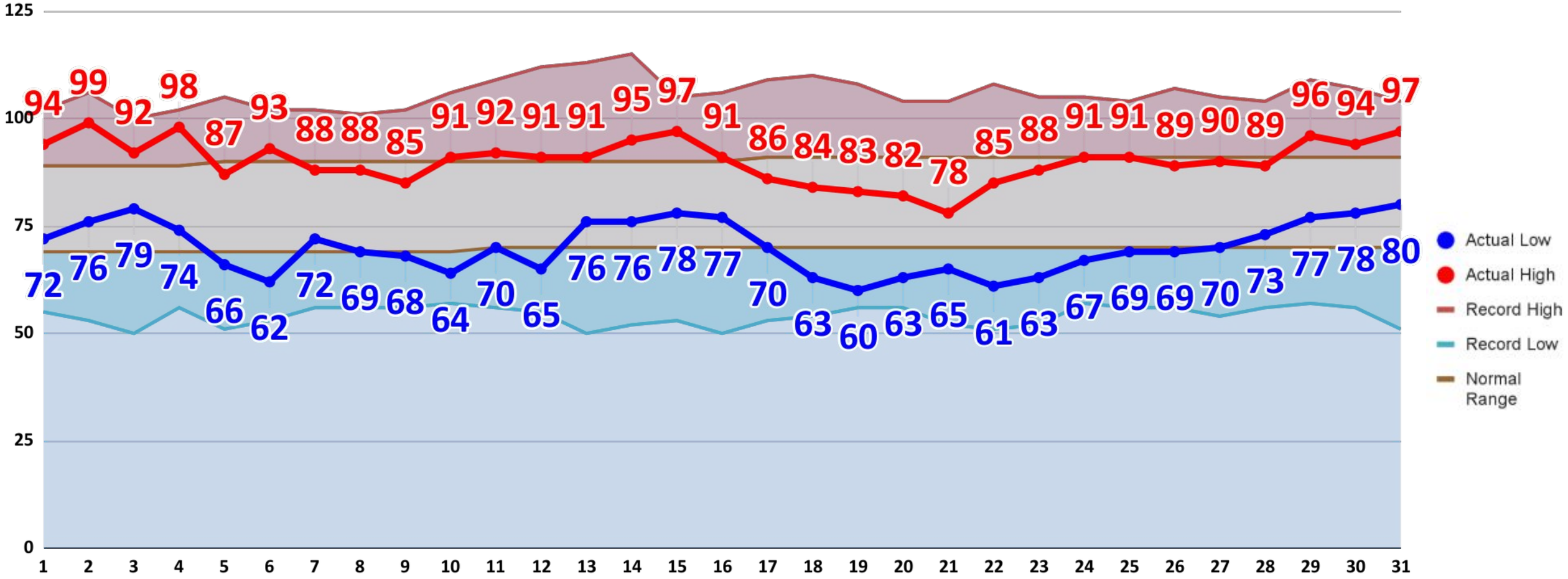


2024	5.15 in.
1958	17.08 in.
2012	0.32 in.
Norm	3.85 in.

Monthly Climate Summary

Joplin Temperature Chart

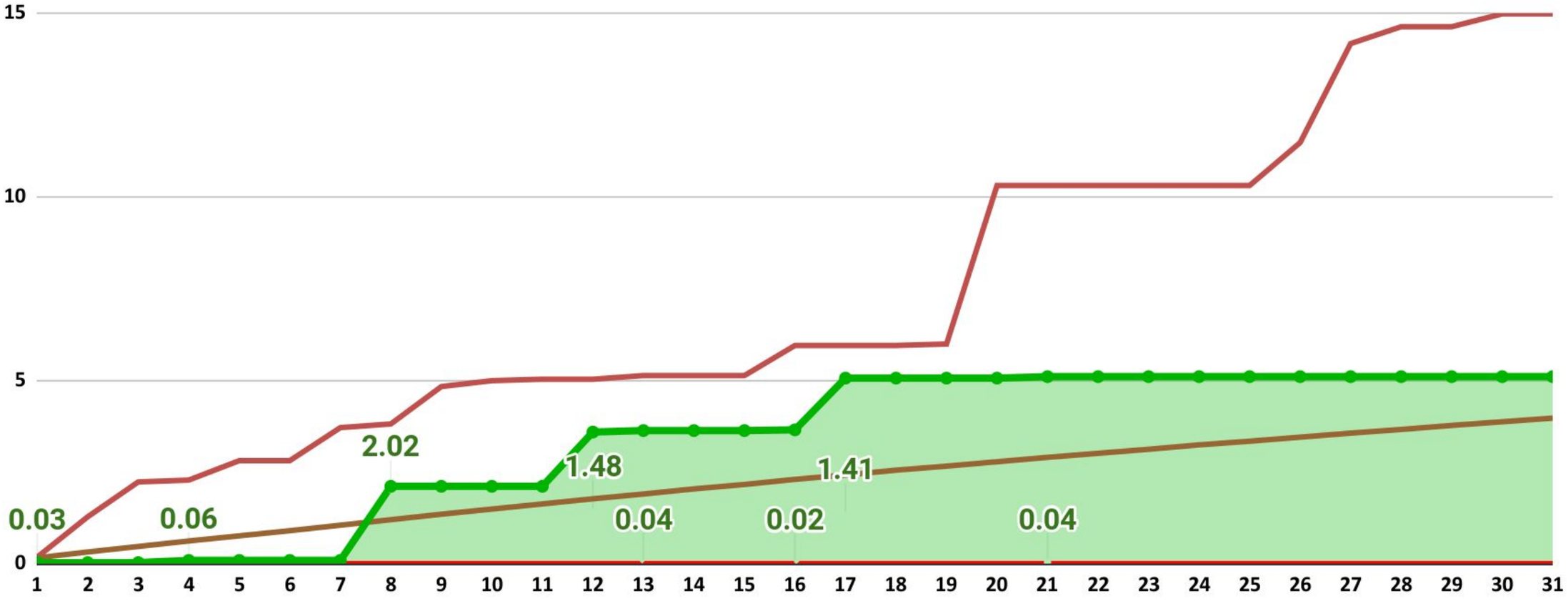
Joplin Temperatures July 2024



Monthly Climate Summary

Joplin Precipitation Chart

Joplin Precipitation July 2024

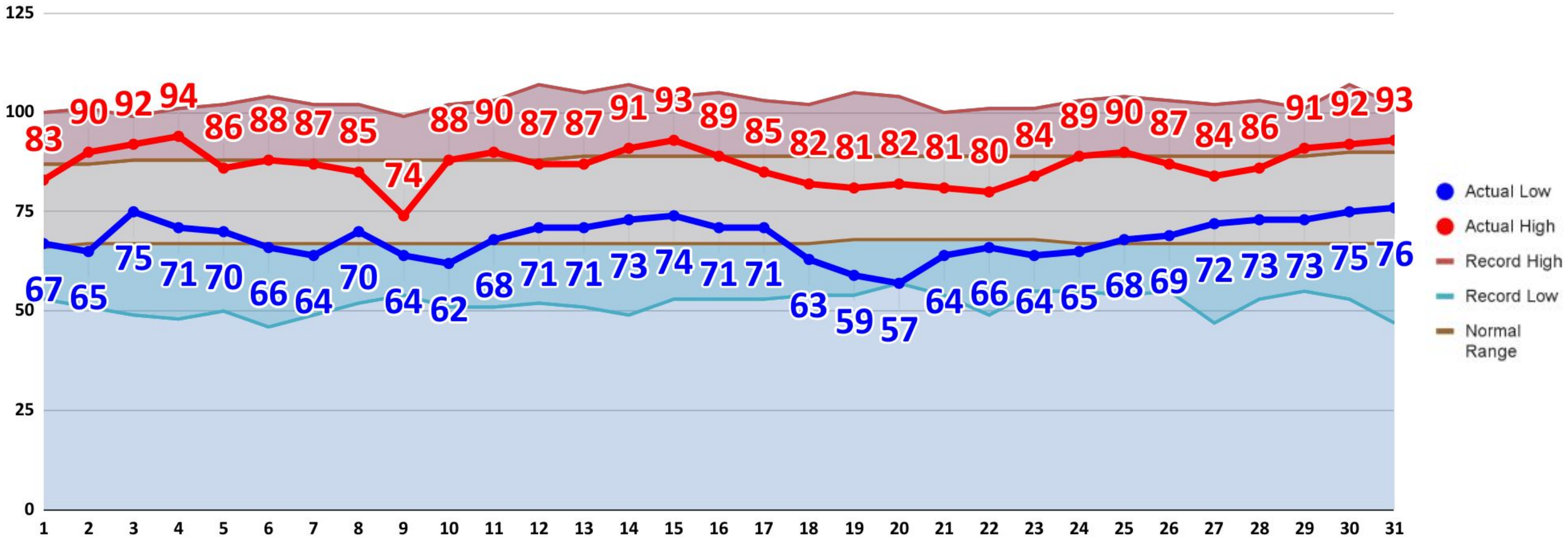


2024	5.1 in.
1905	14.99 in.
1946	0.00 in.
Norm	3.97 in.

Monthly Climate Summary

West Plains Temperature Chart

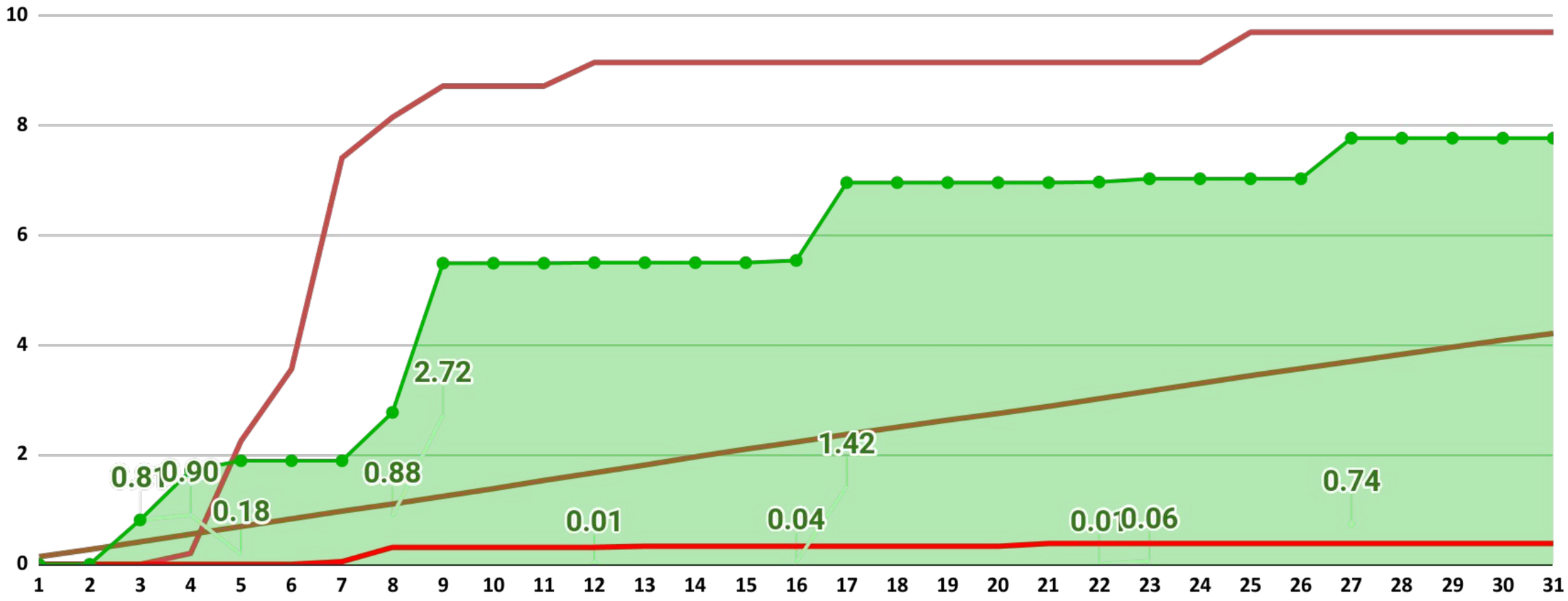
West Plains Temperatures July 2024



Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation July 2024

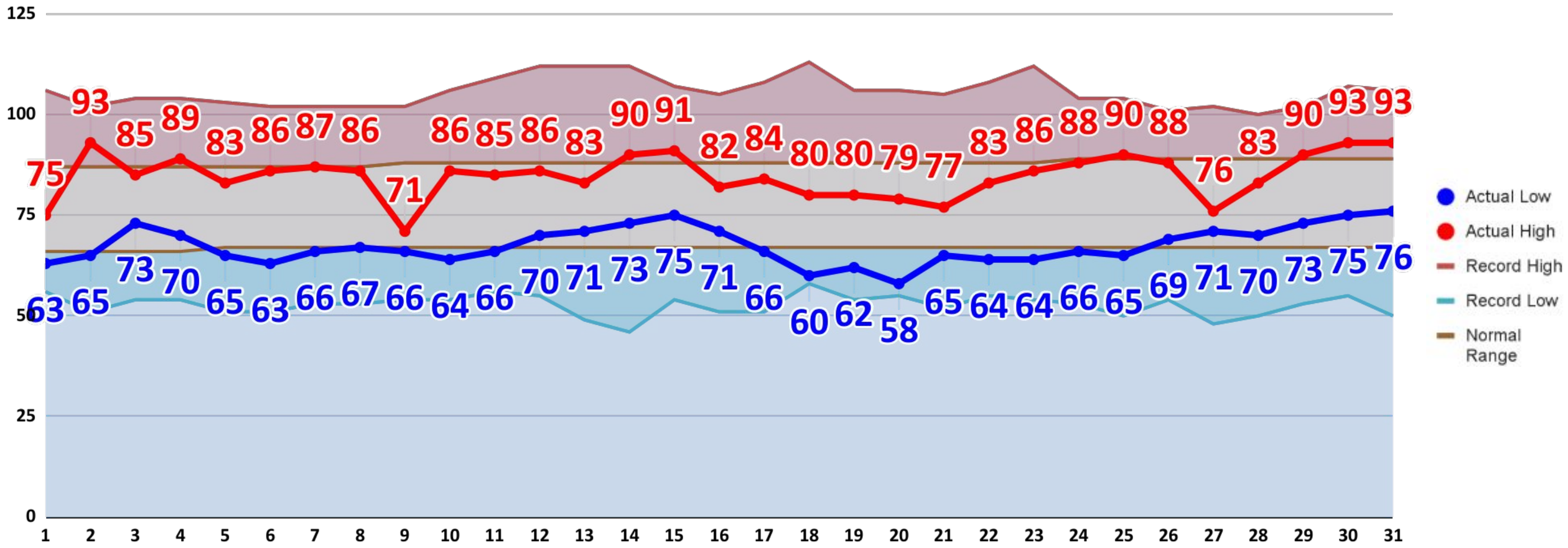


2024	7.77 in.
1949	9.70 in.
1953	0.38 in.
Norm	4.21 in.

Monthly Climate Summary

Rolla / Vichy Temperature Chart

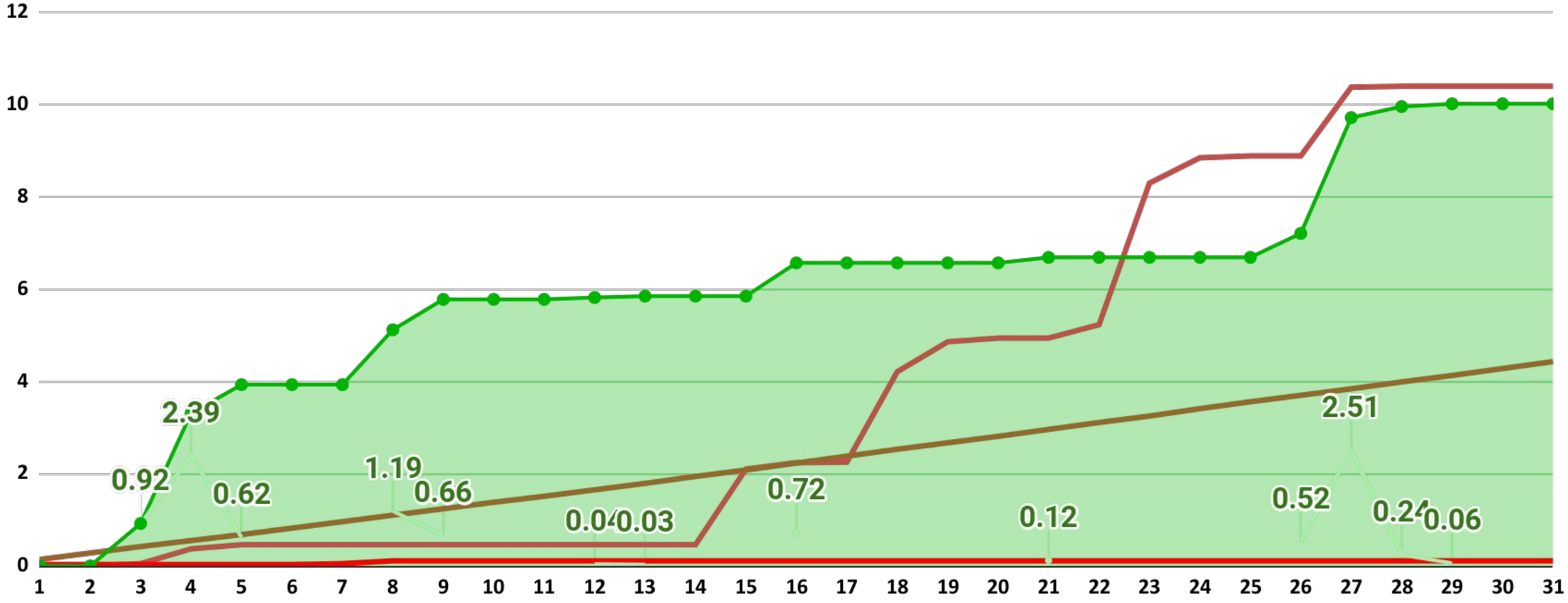
Rolla / Vichy Temperatures July 2024



Monthly Climate Summary

Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation July 2024



2024	10.02 in.
1981	10.40 in.
2014	0.11 in.
Norm	4.43 in.

Monthly Climate Summary

July 2024 - Records for the Month

List of July 2024 Records		
Date	**Station**	**Record**
Jul 4	**Vichy**	**Record daily rainfall of 2.39 inches broke the record of 1.57 inches set in 1958.**
Jul 9	**West Plains**	**Record daily rainfall of 2.72 inches broke the old record of 1.27 inches set in 2015.**
Jul 12	**Joplin**	**Record daily rainfall of 1.48 inches broke the old record of 0.98 inches set in 1949.**
Jul 17	**Springfield**	**Record daily rainfall of 2.14 inches broke the old record of 1.79 inches set in 1960.**
Jul 17	**Joplin**	**Record daily rainfall of 1.41 inches broke the old record of 0.98 inches set in 1989.**
Jul 20	**West Plains**	**Record low temperature of 57 degrees tied the old record set in 1971.**
Jul 27	**Vichy**	**Record daily rainfall of 2.51 inches broke the old record of 1.58 inches set in 1905.**

Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
August	89.1	67.3	3.59	0.0
September	81.4	59.1	4.31	0.0
October	69.9	47.3	3.6	0.0

Upcoming Normal Conditions for the Next 3 Months			
Joplin			
Month	High	Low	Precip.
August	90.0	67.9	3.36
September	82.0	59.4	4.18
October	70.7	47.9	3.80

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
August	88.4	65.5	3.36
September	80.8	57.4	3.09
October	69.5	46.2	4.08

Rolla / Vichy			
Month	High	Low	Precip.
August	87.0	65.6	3.66
September	79.1	57.5	3.81
October	67.8	46.4	3.21

Monthly Climate Summary

July 2024 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
7/1/2024	85	70	77.5	-0.6	0	0	0
7/2/2024	95	69	82.0	3.8	0	0	0
7/3/2024	91	77	84.0	5.7	0.04	0	0
7/4/2024	94	70	82.0	3.6	0.93	0	0
7/5/2024	83	65	74.0	-4.5	0	0	0
7/6/2024	87	61	74.0	-4.6	0	0	0
7/7/2024	86	68	77.0	-1.7	0.05	0	0
7/8/2024	84	69	76.5	-2.3	0.44	0	0
7/9/2024	79	64	71.5	-7.4	0.69	0	0
7/10/2024	86	63	74.5	-4.5	0	0	0
7/11/2024	89	67	78.0	-1.1	0	0	0
7/12/2024	85	68	76.5	-2.6	0.25	0	0
7/13/2024	87	73	80.0	0.8	0.32	0	0
7/14/2024	91	72	81.5	2.2	0	0	0
7/15/2024	93	74	83.5	4.2	0	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
7/16/2024	88	76	82	2.6	T	0	0
7/17/2024	85	69	77	-2.4	2.14	0	0
7/18/2024	80	63	71.5	-8	0	0	0
7/19/2024	82	60	71	-8.5	0	0	0
7/20/2024	81	61	71	-8.5	0	0	0
7/21/2024	76	65	70.5	-9.1	0.16	0	0
7/22/2024	83	65	74	-5.6	0	0	0
7/23/2024	86	65	75.5	-4.1	0	0	0
7/24/2024	88	67	77.5	-2.2	0	0	0
7/25/2024	89	67	78	-1.7	0	0	0
7/26/2024	87	68	77.5	-2.2	T	0	0
7/27/2024	86	71	78.5	-1.2	T	0	0
7/28/2024	86	71	78.5	-1.2	0	0	0
7/29/2024	93	72	82.5	2.8	0.13	0	0
7/30/2024	92	74	83	3.3	0	0	0
7/31/2024	95	74	84.5	4.8	0	0	0

Monthly Climate Summary

July 2024 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
7/1/2024	94	72	83.0	4.2	0.03
7/2/2024	99	76	87.5	8.6	0.00
7/3/2024	92	79	85.5	6.5	T
7/4/2024	98	74	86.0	6.9	0.06
7/5/2024	87	66	76.5	-2.7	0.00
7/6/2024	93	62	77.5	-1.8	0.00
7/7/2024	88	72	80.0	0.6	T
7/8/2024	88	69	78.5	-1.0	2.02
7/9/2024	85	68	76.5	-3.1	T
7/10/2024	91	64	77.5	-2.2	0.00
7/11/2024	92	70	81.0	1.2	0.00
7/12/2024	91	65	78.0	-1.8	1.48
7/13/2024	91	76	83.5	3.6	0.04
7/14/2024	95	76	85.5	5.5	0.00
7/15/2024	97	78	87.5	7.5	0.00

Date	Max	Min	Avg.	Depart	Precip.
7/16/2024	91	77	84.0	3.9	0.02
7/17/2024	86	70	78.0	-2.1	1.41
7/18/2024	84	63	73.5	-6.7	0.00
7/19/2024	83	60	71.5	-8.7	0.00
7/20/2024	82	63	72.5	-7.7	T
7/21/2024	78	65	71.5	-8.8	0.04
7/22/2024	85	61	73.0	-7.3	0.00
7/23/2024	88	63	75.5	-4.8	0.00
7/24/2024	91	67	79.0	-1.3	0.00
7/25/2024	91	69	80.0	-0.4	0.00
7/26/2024	89	69	79.0	-1.4	0.00
7/27/2024	90	70	80.0	-0.4	0.00
7/28/2024	89	73	81.0	0.6	T
7/29/2024	96	77	86.5	6.1	0.00
7/30/2024	94	78	86.0	5.6	T
7/31/2024	97	80	88.5	8.1	0.00

Monthly Climate Summary

July 2024 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
7/1/2024	83	67	75.0	-1.8	0.00
7/2/2024	90	65	77.5	0.6	0.00
7/3/2024	92	75	83.5	6.4	0.81
7/4/2024	94	71	82.5	5.3	0.90
7/5/2024	86	70	78.0	0.7	0.18
7/6/2024	88	66	77.0	-0.4	0.00
7/7/2024	87	64	75.5	-2.0	0.00
7/8/2024	85	70	77.5	0.0	0.88
7/9/2024	74	64	69.0	-8.6	2.72
7/10/2024	88	62	75.0	-2.7	0.00
7/11/2024	90	68	79.0	1.2	0.00
7/12/2024	87	71	79.0	1.2	0.01
7/13/2024	87	71	79.0	1.1	0.00
7/14/2024	91	73	82.0	4.0	0.00
7/15/2024	93	74	83.5	5.5	0.00

Date	Max	Min	Avg.	Depart	Precip.
7/16/2024	89	71	80.0	1.9	0.04
7/17/2024	85	71	78.0	-0.1	1.42
7/18/2024	82	63	72.5	-5.6	0.00
7/19/2024	81	59	70.0	-8.2	0.00
7/20/2024	82	57	69.5	-8.7	0.00
7/21/2024	81	64	72.5	-5.8	0.00
7/22/2024	80	66	73.0	-5.3	0.01
7/23/2024	84	64	74.0	-4.3	0.06
7/24/2024	89	65	77.0	-1.3	0.00
7/25/2024	90	68	79.0	0.6	0.00
7/26/2024	87	69	78.0	-0.4	0.00
7/27/2024	84	72	78.0	-0.4	0.74
7/28/2024	86	73	79.5	1.1	0.00
7/29/2024	91	73	82.0	3.6	0.00
7/30/2024	92	75	83.5	5.1	0.00
7/31/2024	93	76	84.5	6.1	0.00

Monthly Climate Summary

July 2024 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
7/1/2024	75	63	69.0	-7.3	0.00
7/2/2024	93	65	79.0	2.6	0.00
7/3/2024	85	73	79.0	2.4	0.92
7/4/2024	89	70	79.5	2.8	2.39
7/5/2024	83	65	74.0	-2.8	0.62
7/6/2024	86	63	74.5	-2.4	0.00
7/7/2024	87	66	76.5	-0.5	T
7/8/2024	86	67	76.5	-0.6	1.19
7/9/2024	71	66	68.5	-8.7	0.66
7/10/2024	86	64	75.0	-2.3	0.00
7/11/2024	85	66	75.5	-1.8	0.00
7/12/2024	86	70	78.0	0.6	0.04
7/13/2024	83	71	77.0	-0.5	0.03
7/14/2024	90	73	81.5	4.0	0.00
7/15/2024	91	75	83.0	5.4	0.00

Date	Max	Min	Avg.	Depart	Precip.
7/16/2024	82	71	76.5	-1.1	0.72
7/17/2024	84	66	75.0	-2.7	0.00
7/18/2024	80	60	70.0	-7.7	0.00
7/19/2024	80	62	71.0	-6.8	0.00
7/20/2024	79	58	68.5	-9.3	0.00
7/21/2024	77	65	71.0	-6.8	0.12
7/22/2024	83	64	73.5	-4.3	0.00
7/23/2024	86	64	75.0	-2.9	0.00
7/24/2024	88	66	77.0	-0.9	0.00
7/25/2024	90	65	77.5	-0.4	0.00
7/26/2024	88	69	78.5	0.6	0.52
7/27/2024	76	71	73.5	-4.4	2.51
7/28/2024	83	70	76.5	-1.4	0.24
7/29/2024	90	73	81.5	3.6	0.06
7/30/2024	93	75	84.0	6.1	0.00
7/31/2024	93	76	84.5	6.6	0.00

Monthly Climate Summary

July 2024 Precipitation Report

Station	Amount
BRANSON 3.8 E	11.99
HOLLISTER 3.8 SW	10.37
ST. JAMES 10.1 SSE	10.28
VICHY ROLLA NATL AP	10.02
TABLE ROCK DAM	9.68
MOUNTAIN VIEW 7.9 W	9.42
JOPLIN 1.3 NW	8.93
SALEM 3.5 E	8.91
CLEVER 7.2 SE	8.90
STRAFFORD 2.7 SW	8.62
RAYMONDVILLE 3.5 SE	8.61
ROLLA 3.4 NW	8.48
OZARK BEACH 2 NNE	8.42
ROLLA 6.4 NNW	8.40
CARL JUNCTION 3.1 WSW	8.38
SUMMERSVILLE 3.6 S	8.21
BRANSON 3.2 NNW	8.19

Station	Amount
SALEM 11.7 NNW	7.95
GAINESVILLE 6.2 ENE	7.85
ROLLA MISSOURI S&T	7.81
ROLLA 4.4 WSW	7.80
WEST PLAINS MUNICIPAL A	7.77
WEST PLAINS 10.6 S	7.72
CLEVER 4.0 ENE	7.59
ROLLA 3.7 WNW	7.33
VERSAILLES 2.7 E	7.30
ROLLA 3.3 WSW	7.30
WEST PLAINS 1.5 NW	7.24
WEST PLAINS 2.2 NNW	7.22
WAYNESVILLE 3.5 WSW	7.20
SALEM 1.8 NW	7.20
SPRINGFIELD 4.0 SW	7.16
ALTON 1.7 NNW	7.07
HOUSTON 5.0 SE	7.04

Station	Amount
ASH GROVE 4S	7.00
BRANSON AIRPORT	7.00
REPUBLIC 0.8 ESE	6.99
SALEM 14.9 E	6.97
MOUNTAIN VIEW 7.0 NE	6.94
WAYNESVILLE 2 W	6.90
AVA 0.8 NNW	6.86
TECUMSEH 1W	6.85
NIXA 2.7 SSW	6.82
SPRINGFIELD 0.7 ENE	6.75
ROLLA 1.3 S	6.66
TECUMSEH 2.2 SE	6.64
WALNUT GROVE 5.2 SE	6.60
ALTON	6.57
STARK CITY 5.5 ENE	6.48
ROLLA 0.9 SE	6.48
ROLLA 1.3 NE	6.48

Monthly Climate Summary

July 2024 Precipitation Report

Station	Amount
SPRINGFIELD 5.5 SSW	6.36
WILLARD 2.6 W	6.30
WINONA 3 SW	6.26
AURORA 2.7 S	6.20
PHILLIPSBURG 5.0 NW	6.14
ROLLA 5.6 S	6.14
FAIR GROVE 4.7 SSW	6.13
SARCOXIE 1.0 W	6.12
ROUND SPRING 2SW	6.09
BILLINGS 1SW	6.07
STRAFFORD 2.4 SSW	5.94
ROLLA 8.2 SSE	5.93
ST. JAMES 1.2 SE	5.91
HOUSTON 2.0 S	5.91
OAKLAND PARK 0.6 ESE	5.88
MONETT 4SW	5.88
BROOKLINE 2.3 NNW	5.88

Station	Amount
FORT LEONARD WOOD	5.86
STOVER 2.3 NW	5.85
THEODOSIA 13.9 NE	5.85
MOUNTAIN GROVE 14.0 S	5.80
ROLLA 3.2 SSW	5.78
ROLLA 8.1 SSE	5.77
WILLARD 5.8 NNE	5.71
HOUSTON 1.1 NE	5.69
BATTLEFIELD 3.3 E	5.66
SPRINGFIELD 4.9 SE	5.64
ROLLA 6.4 S	5.58
ROLLA 2.2 SSE	5.58
NEWBURG 9.6 SSW	5.57
DIAMOND 2W	5.55
WASOLA 5N	5.46
SHOAL CREEK ESTATES 0.2	5.45
TANEYVILLE 3.9 NNE	5.37

Station	Amount
SALEM 5.0 WNW	5.35
ROLLA 8.1 S	5.34
SPRINGFIELD WFO	5.30
MYRTLE 2.5 WNW	5.29
LEBANON 2W	5.28
MOUNT VERNON 0.2 E	5.26
ROLLA 7.6 SSE	5.20
ANDERSON 6.8 W	5.18
MOUNT VERNON 1.3 NNW	5.16
SPRINGFIELD WSO AP	5.15
CRANE 0.3 SW	5.11
ELDON	5.11
JOPLIN REGIONAL AIRPORT	5.10
FAIR PLAY 1.3 E	5.08
CRANE 0.7 SSW	5.07
DIXON 5.2 NE	5.07
CARTHAGE 3.8 SW	5.02

Monthly Climate Summary

July 2024 Precipitation Report

Station	Amount
ASH GROVE 0.4 SSW	5.01
GREENFIELD 3.1 ENE	4.98
HARTVILLE 0.5 SSE	4.98
HOUSTON 4.5 ESE	4.98
MARSHFIELD 4 WSW	4.95
LEBANON 1.3 E	4.93
LEBANON 0.6 N	4.91
WEST PLAINS 8.8 E	4.88
FORT LEONARD WOOD 5.4 S	4.83
MARIONVILLE 4.7 N	4.74
SUNDOWN 5.1 SE	4.67
PIERCE CITY 5.0 NE	4.66
ANDERSON 3W	4.61
AVA 6NW	4.60
SALEM 10 W	4.57
MARSHFIELD 0.9 SE	4.47
EMINENCE 4.7 ESE	4.44

Station	Amount
KIMBERLING CITY 1.5 WNW	4.41
GALENA	4.38
CAPE FAIR 2.1 N	4.32
CASSVILLE 0.5 SW	4.25
HARTVILLE	4.21
CARTHAGE 4.5 E	4.19
LICKING 4N	4.18
LAKESIDE	4.16
MONTAUK STATE PARK	4.13
CARTHAGE 1.5 S	4.12
PURDY 4.8 SSW	4.10
HARTVILLE 3.8 WNW	4.07
MANSFIELD 3.7 SSE	4.01
MARSHFIELD 1.4 W	3.99
MOUNTAIN GROVE 2 N	3.99
CASSVILLE 1 NE	3.90
ANDERSON 4.2 W	3.83

Station	Amount
LOCKWOOD	3.83
CONWAY 8.9 SW	3.80
COLUMBUS	3.74
BRUMLEY 5.6 SW	3.74
STOUTLAND 5.9 NNE/FSA	3.73
IBERIA	3.72
WEST PLAINS	3.69
GREENFIELD 2.9 WSW	3.67
WARSAW 3.8 NNE	3.65
SHELL KNOB 5.6 ESE	3.61
FLEMINGTON 2.6 S	3.49
LINCOLN 0.4 NNE	3.42
STOCKTON 2.5 NNE	3.41
GREENFIELD 0.8 SSW	3.40
VERSAILLES	3.40
GOLDEN CITY 6 S	3.38
NEOSHO	3.37

Station	Amount
LEBANON 6.3 N	3.37
COLE CAMP 3NW	3.29
HALF WAY 0.8 WNW	3.24
MOUNTAIN GROVE 13.0 NNW	3.21
ROLLA 2.8 S	3.21
DEVON 0.1 SE	3.17
BUFFALO 1.0 SW	3.16
DUNNEGAN 2.4 NNW	3.13
OSCEOLA 0.3 SW	3.12
NEOSHO 3.9 WNW	3.11
MONETT 1.8 N	3.08
HOUSTON	3.06
MARSHFIELD 3.7 SE	3.04
EMERALD BEACH 5.5 E	2.98
NEOSHO 2.0 NNW	2.97
MORRISVILLE 2SW	2.95
CASSVILLE 4.8 SSE	2.94

Monthly Climate Summary

July 2024 Precipitation Report

Station	Amount
POMME DE TERRE DAM	2.89
WALNUT GROVE 5.8 NNW	2.82
SPRINGFIELD 1.0 SSE	2.81
LAMAR 0.3 ESE	2.78
MILLER 9.2 WNW	2.72
GOODSON 0.5 NNW	2.70
APPLETON CITY	2.62
TRUMAN DAM & RESERVOIR	2.62
RAYMONDVILLE 7.5 NE	2.57
BOLIVAR 9.0 N	2.56
STOCKTON 5.6 S	2.52
COLLINS 5.5 WNW	2.50
STOCKTON 0.5 W	2.48
GRAVOIS MILLS 8.4 S	2.45
BOLIVAR 1.0 ENE	2.44
ROLLA 1.6 ENE	2.41
STOCKTON 0.2 NW	2.35

Station	Amount
HERMITAGE 0.5 ESE	2.26
BOLIVAR 1 NE	2.24
SELIGMAN 3.0 N	2.17
PITTSBURG 1.0 ESE	2.16
PITTSBURG	2.13
MILLER	1.91
GREENFIELD 2SE	1.89
ALDRICH 5.0 ESE	1.81
FARLINGTON 0.8 NNE	1.76
GIRARD 4.6 W	1.70
FLEMINGTON 1W	1.61
GIRARD	1.57
JOPLIN 24 N	1.53
GIRARD 10.6 W	1.46
LAMAR 7N	1.46
NEVADA WATER PLANT	1.46
FORT SCOTT 9.3 NNE	1.32

Station	Amount
NEVADA 3.4 NE	1.28
VIENNA 4.3 NNW	1.24
STOCKTON DAM	1.17
NEVADA 6.3 ESE	1.15
SAVONBURG 4.1 ESE	1.08
NEVADA 0.2 W	1.03
ROCKVILLE 7.9 E	1.01
PITTSBURG 4.9 WSW	0.94
GIRARD 3.1 SSW	0.85
FORT SCOTT 0.6 SW	0.73
KAISER LAKE OZARKS LEE	0.70

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.*