Monthly Climate Summary

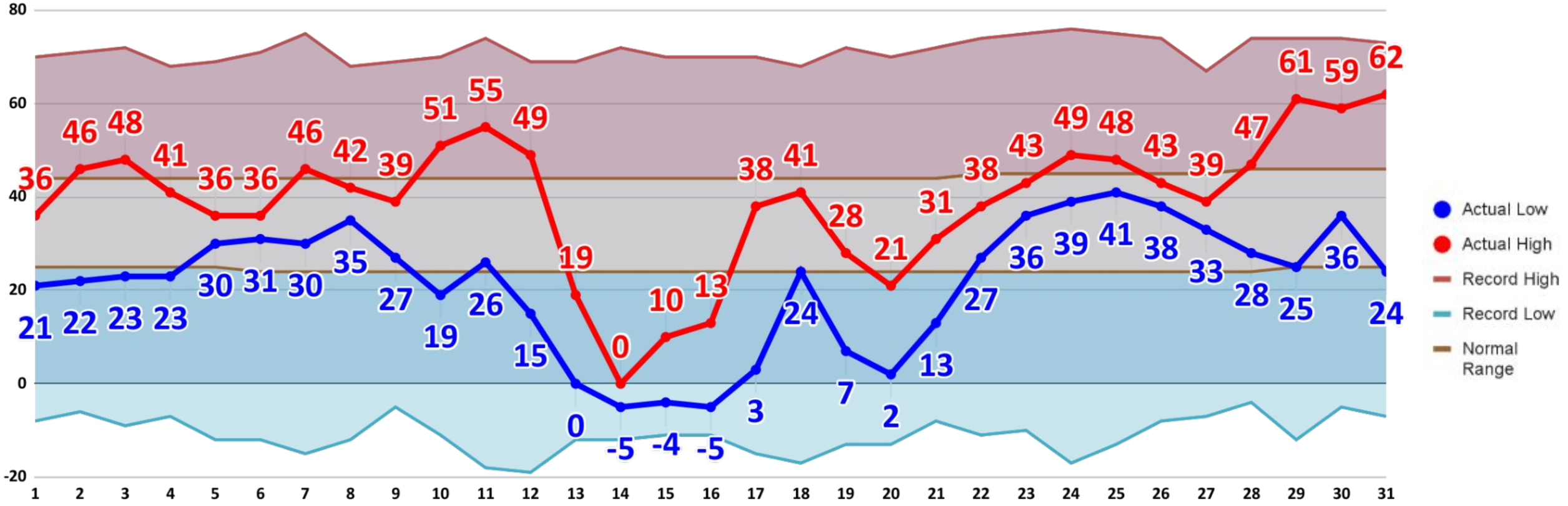
January 2024 Overview

Monthly Climate Overview - January 2024				
Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	62	66	61	56
Average Max. Temperature	39.2	40.2	42.8	36.5
Minimum Temperature	-5	-7	3	-7
Average Min. Temperature	21.4	22.3	25.9	20.8
Average Mean Temperature	30.3	31.2	34.4	28.7
Departure from Normal	-4.0	-3.7	-0.1	-2.9
Temperature Rank	35th coldest / 137	19th coldest / 96	31st warmest / 76	22nd coldest / 76
Days of 90 degrees or warmer	0	0	0	0
# of Days of Highs of 32 or lower	7	6	4	7
# of Days of Lows of 32 or lower	24	23	20	25
# of Days of 0 degrees or lower	4	4	0	5
Precipitation	2.43	2.00	4.93	3.23
Departure from Normal	-0.11	0.08	2.30	1.01
Precipitation Rank	51st wettest / 137	48th wettest / 114	7th wettest / 76	12th wettest / 77
Days of 0.01" or more	11	10	11	10
Days of 0.10" or more	5	4	9	9
Days of 0.50" or more	2	2	4	2
Days of 1.00" or more	0	0	1	0
Annual Snowfall	2.0			

Monthly Climate Summary

Springfield Temperature Chart

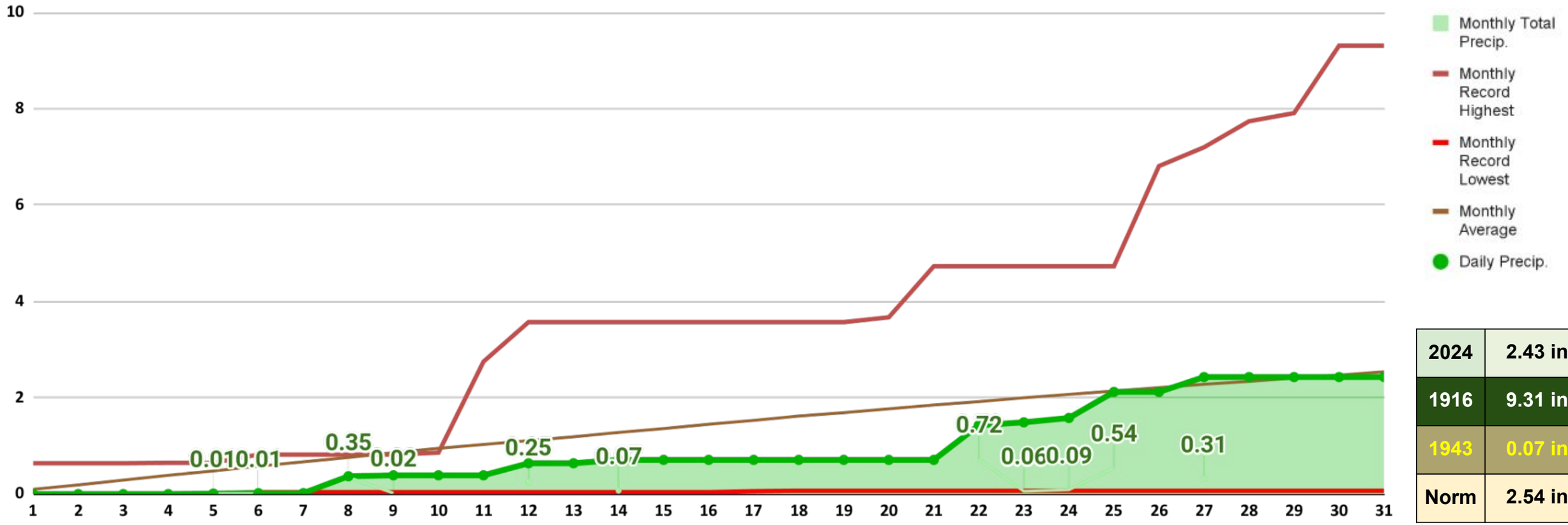
Springfield Temperatures January 2024



Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation January 2024

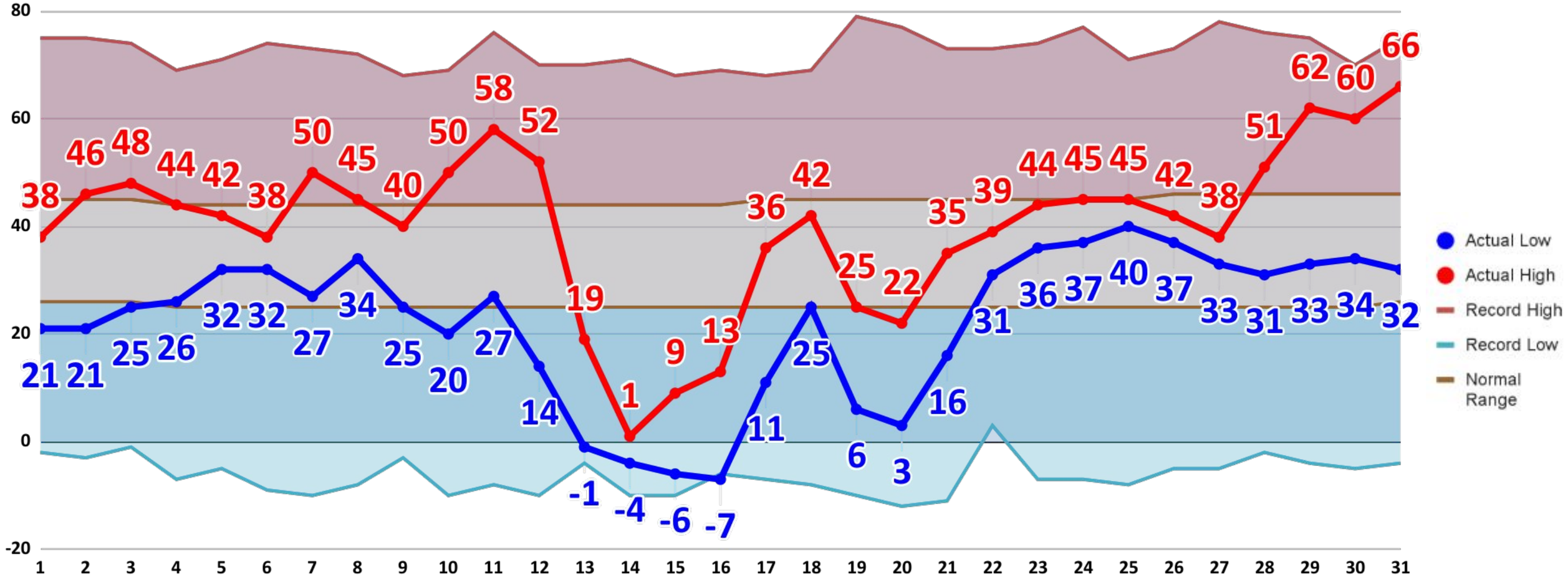


2024	2.43 in.
1916	9.31 in.
1943	0.07 in.
Norm	2.54 in.

Monthly Climate Summary

Joplin Temperature Chart

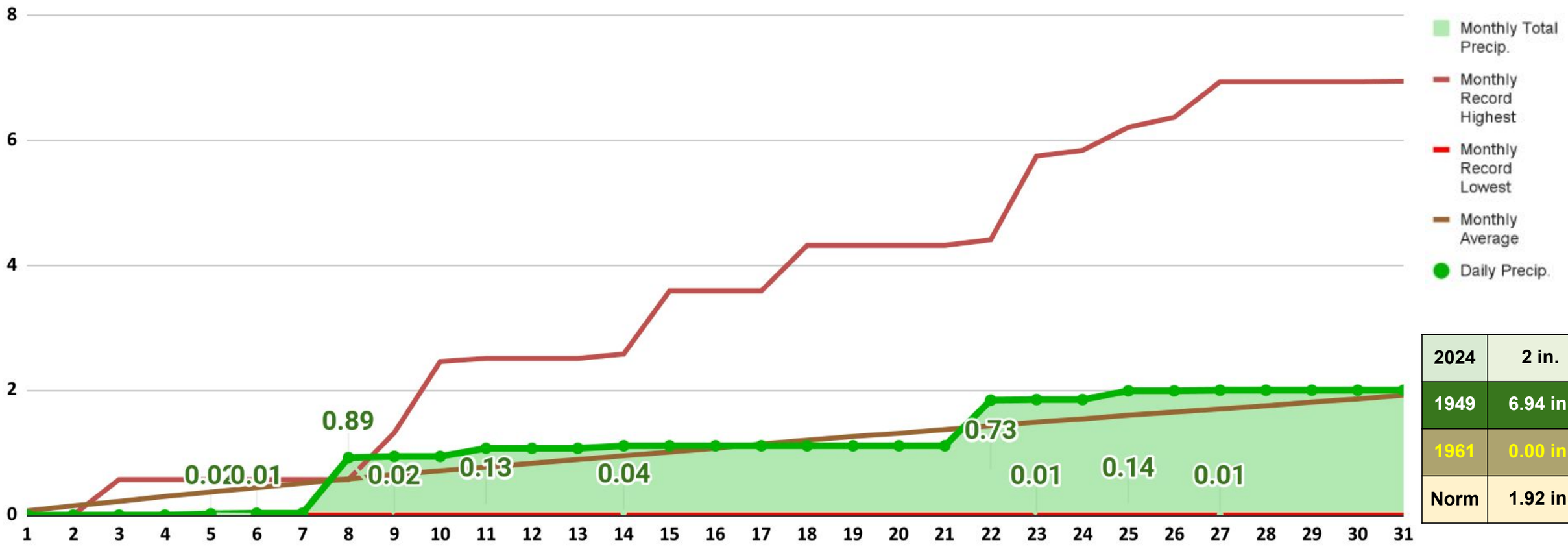
Joplin Temperatures January 2024



Monthly Climate Summary

Joplin Precipitation Chart

Joplin Precipitation January 2024



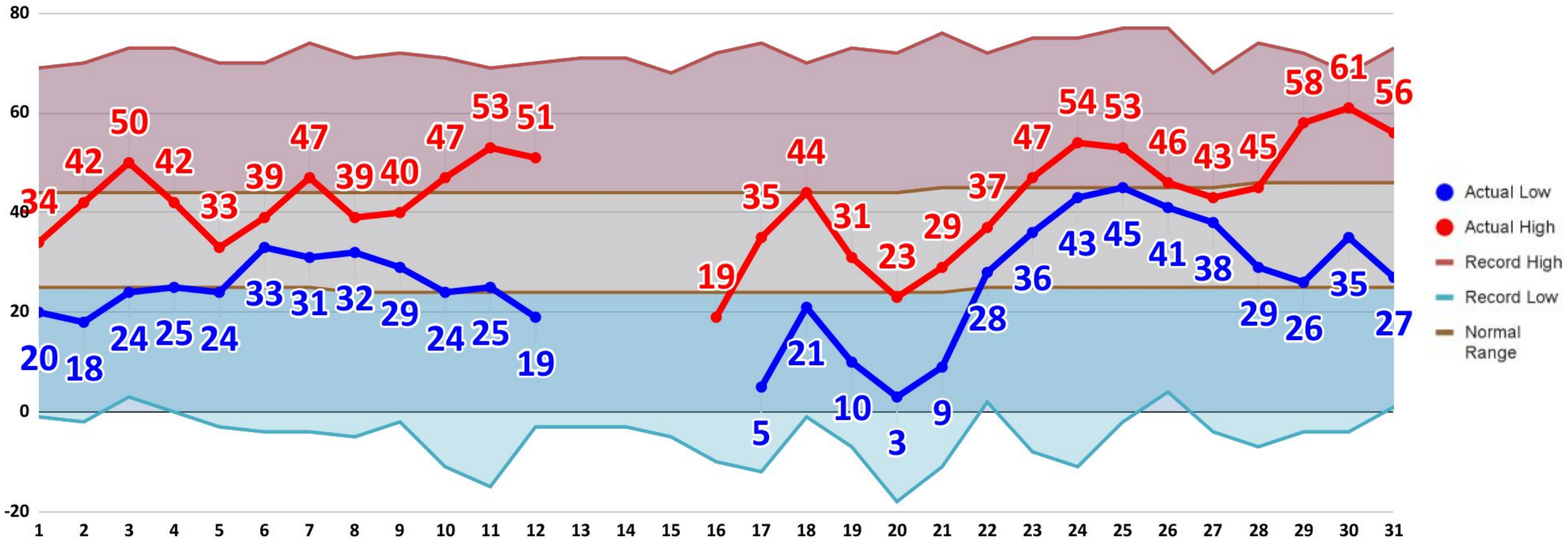
2024	2 in.
1949	6.94 in.
1961	0.00 in.
Norm	1.92 in.

Monthly Climate Summary

West Plains Temperature Chart

West Plains Temperatures January 2024

****West Plains ASOS had an outage from January 13th - January 15th*

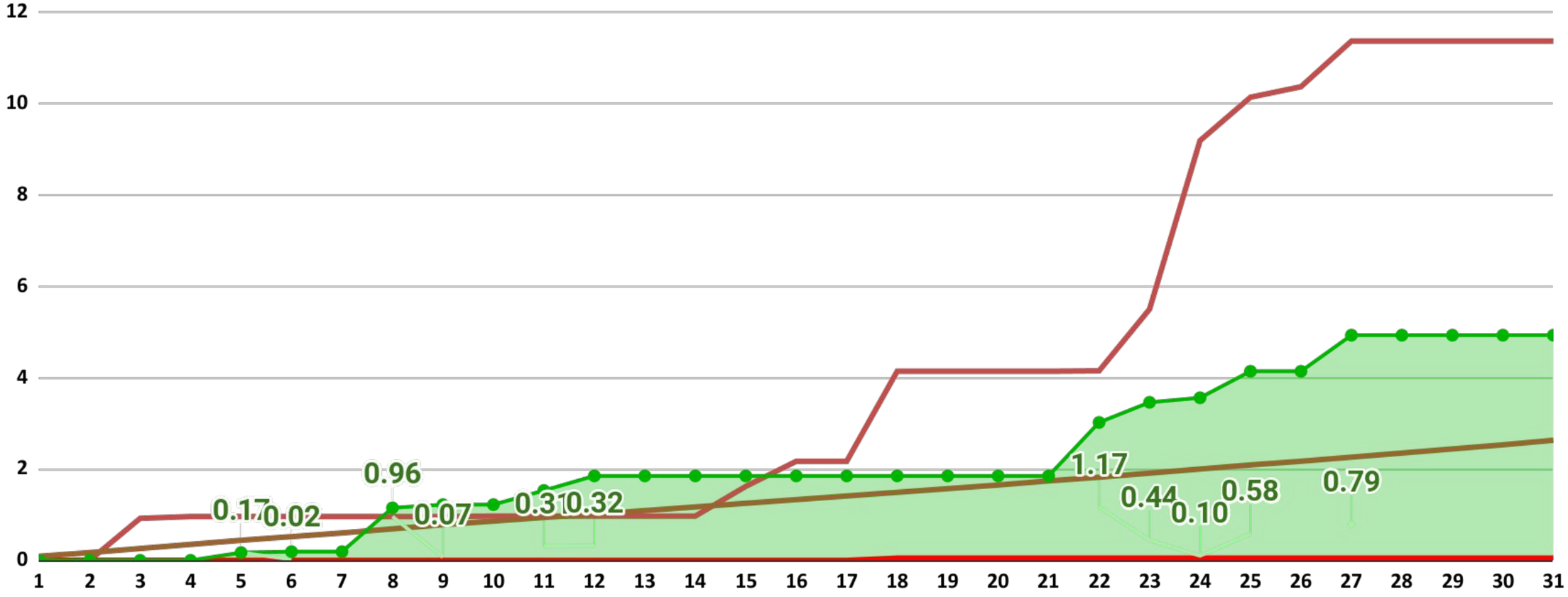


Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation January 2024

****West Plains ASOS had an outage from January 13th - January 15th*

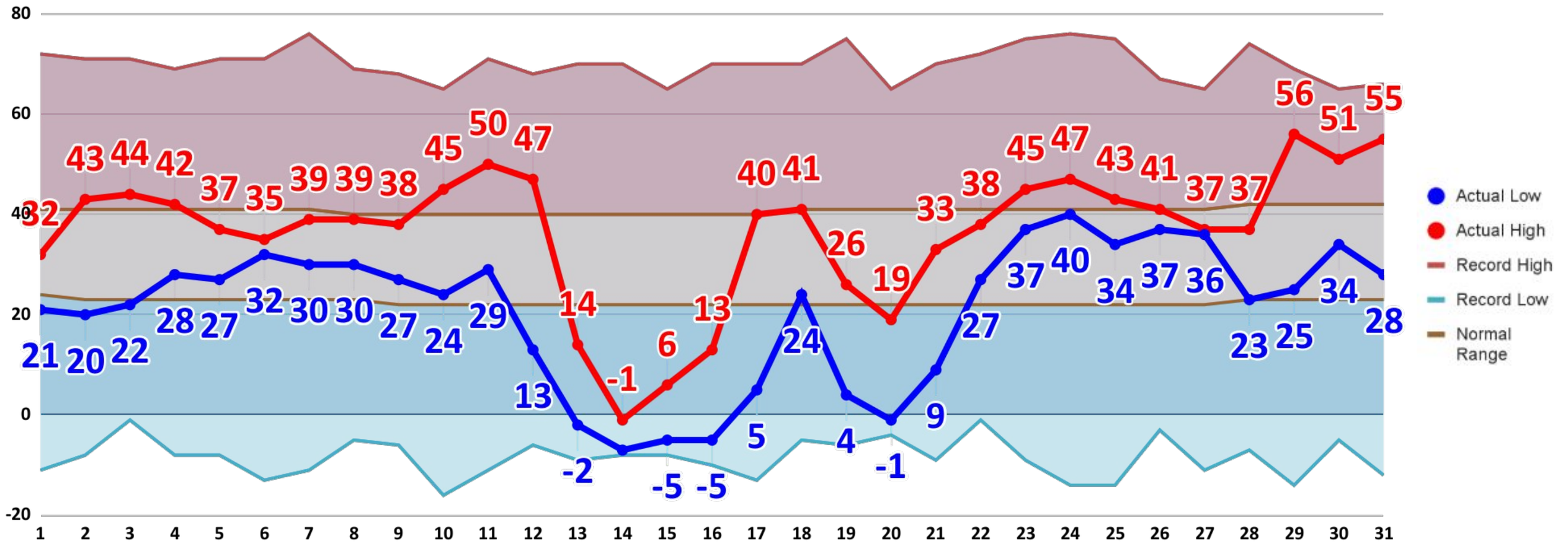


2024	4.93 in.
1949	11.37 in.
1986	0.05 in.
Norm	2.63 in.

Monthly Climate Summary

Rolla / Vichy Temperature Chart

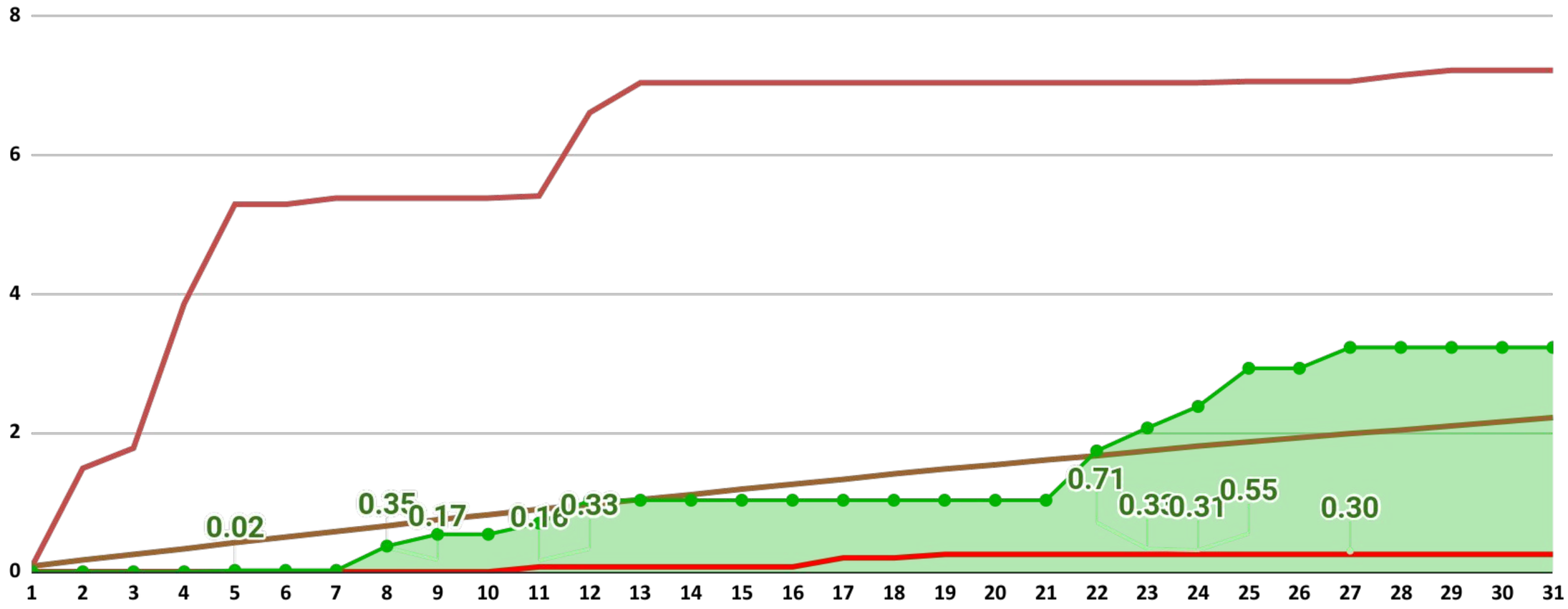
Rolla / Vichy Temperatures January 2024



Monthly Climate Summary

Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation January 2024



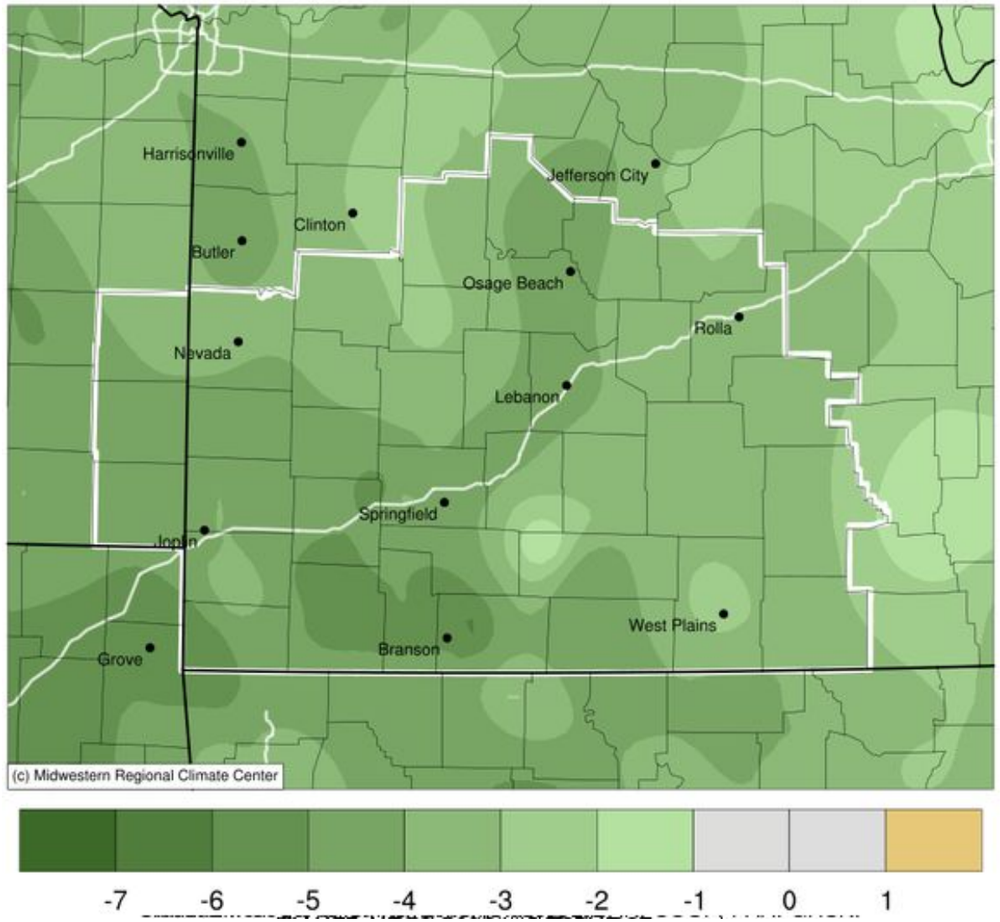
2024	3.23 in.
2005	7.22 in.
1970	0.25 in.
Norm	2.22 in.

Monthly Climate Summary

January 2024 - Monthly Departure Maps

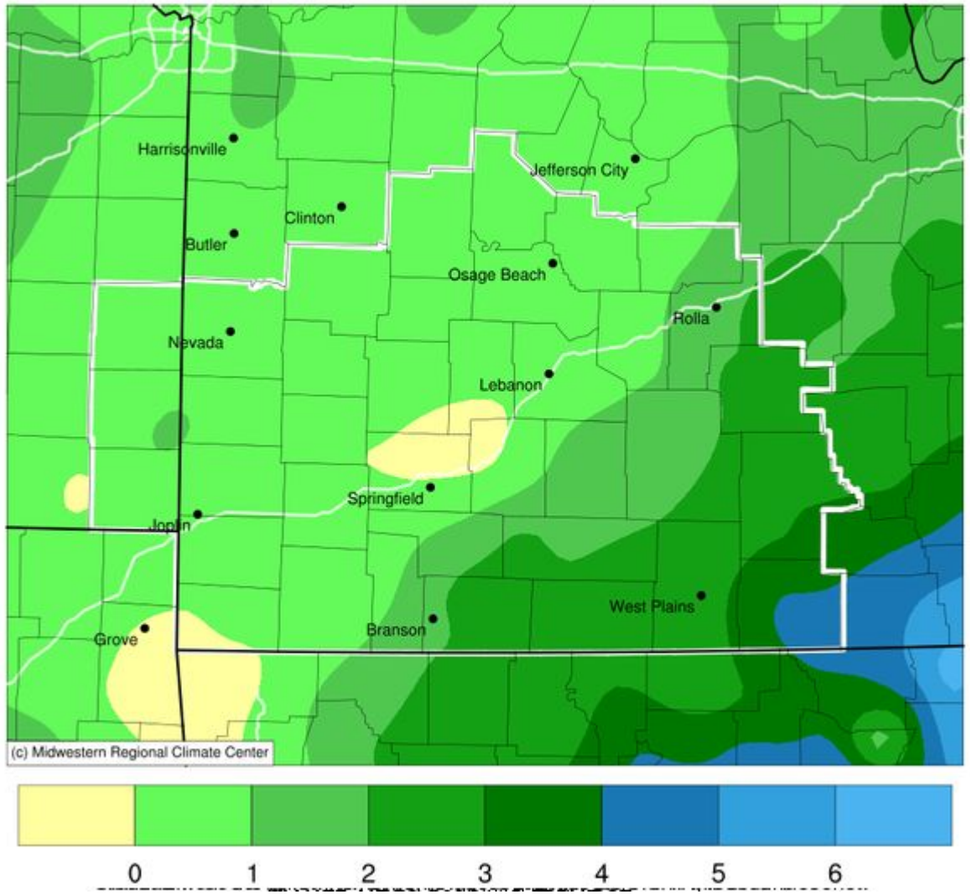
Average Temperature (°F): Departure from 1991-2020 Normals

January 01, 2024 to January 31, 2024



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

January 01, 2024 to January 31, 2024



Monthly Climate Summary

January 2024 - Records for the month

List of January 2024 Records		
Date	**Station**	**Record**
Jan 8	**Joplin**	**Record rainfall of 0.89 inches broke the old record of 0.80 inches set in 1998.**
Jan 14	**Springfield**	**Record coldest high temperature of 0 broke the record of 4 set in 1979.**
Jan 14	**Joplin**	**Record coldest high temperature of 1 broke the record of 4 set in 1979.**
Jan 14	**Rolla-Vichy**	**Record coldest high temperature of -1 broke the old record of 7 set in 1979.**
Jan 15	**Joplin**	**Record low of -6 broke the old record of -1 set in 1979.**
Jan 16	**Joplin**	**Record low of -7 broke the old record of -6 set in 2018.**
Jan 22	**Rolla-Vichy**	**Record rainfall of 0.71 inches broke the old record of 0.56 inches set in 2017.**

Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
February	49.5	28.0	2.4	3.3
March	58.9	36.2	3.51	0.1
April	68.4	45.6	4.71	2.0
Joplin				
Month	High	Low	Precip.	
February	50.0	28.7	1.98	
March	59.8	37.4	3.29	
April	69.2	46.6	4.99	

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
February	49.6	28.2	3.11
March	59.0	36.1	4.41
April	69.0	45.7	5.31
Rolla / Vichy			
Month	High	Low	Precip.
February	45.9	26.3	2.06
March	56.3	34.9	3.40
April	67.0	44.6	4.71

Monthly Climate Summary

January 2024 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
1/1/2024	36	21	28.5	-5.9	0	0	0
1/2/2024	46	22	34.0	-0.3	0	0	0
1/3/2024	48	23	35.5	1.3	0	0	0
1/4/2024	41	23	32.0	-2.2	0	0	0
1/5/2024	36	30	33.0	-1.1	0.01	T	0
1/6/2024	36	31	33.5	-0.5	0.01	T	0
1/7/2024	46	30	38.0	4.0	T	0	0
1/8/2024	42	35	38.5	4.6	0.35	T	0
1/9/2024	39	27	33.0	-0.9	0.02	0.9	0
1/10/2024	51	19	35.0	1.2	0	0	1
1/11/2024	55	26	40.5	6.7	0	0	0
1/12/2024	49	15	32.0	-1.8	0.25	0.1	0
1/13/2024	19	0	9.5	-24.3	T	T	T
1/14/2024	0	-5	-2.5	-36.3	0.07	0.8	T
1/15/2024	10	-4	3.0	-30.8	T	0.2	1

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
1/16/2024	13	-5	4	-29.9	T	T	1
1/17/2024	38	3	20.5	-13.4	0	0	1
1/18/2024	41	24	32.5	-1.5	0	0	T
1/19/2024	28	7	17.5	-16.5	T	T	0
1/20/2024	21	2	11.5	-22.6	0	0	0
1/21/2024	31	13	22	-12.2	T	0	0
1/22/2024	38	27	32.5	-1.7	0.72	0	T
1/23/2024	43	36	39.5	5.2	0.06	0	0
1/24/2024	49	39	44	9.6	0.09	0	0
1/25/2024	48	41	44.5	9.9	0.54	0	0
1/26/2024	43	38	40.5	5.8	0	0	0
1/27/2024	39	33	36	1.2	0.31	0	0
1/28/2024	47	28	37.5	2.6	0	0	0
1/29/2024	61	25	43	7.9	0	0	0
1/30/2024	59	36	47.5	12.2	0	0	0
1/31/2024	62	24	43	7.6	0	0	0

Monthly Climate Summary

January 2024 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
1/1/2024	38	21	29.5	-5.7	0.00
1/2/2024	46	21	33.5	-1.6	0.00
1/3/2024	48	25	36.5	1.5	0.00
1/4/2024	44	26	35.0	0.1	0.00
1/5/2024	42	32	37.0	2.2	0.02
1/6/2024	38	32	35.0	0.3	0.01
1/7/2024	50	27	38.5	3.8	0.00
1/8/2024	45	34	39.5	4.9	0.89
1/9/2024	40	25	32.5	-2.1	0.02
1/10/2024	50	20	35.0	0.4	0.00
1/11/2024	58	27	42.5	8.0	0.13
1/12/2024	52	14	33.0	-1.5	T
1/13/2024	19	-1	9.0	-25.5	0.00
1/14/2024	1	-4	-1.5	-36.0	0.04
1/15/2024	9	-6	1.5	-33.0	T

Date	Max	Min	Avg.	Depart	Precip.
1/16/2024	13	-7	3.0	-31.5	0.00
1/17/2024	36	11	23.5	-11.1	0.00
1/18/2024	42	25	33.5	-1.1	0.00
1/19/2024	25	6	15.5	-19.1	T
1/20/2024	22	3	12.5	-22.2	0.00
1/21/2024	35	16	25.5	-9.3	T
1/22/2024	39	31	35.0	0.2	0.73
1/23/2024	44	36	40.0	5.1	0.01
1/24/2024	45	37	41.0	6.0	0.00
1/25/2024	45	40	42.5	7.4	0.14
1/26/2024	42	37	39.5	4.3	0.00
1/27/2024	38	33	35.5	0.1	0.01
1/28/2024	51	31	41.0	5.5	0.00
1/29/2024	62	33	47.5	11.9	0.00
1/30/2024	60	34	47.0	11.2	0.00
1/31/2024	66	32	49.0	13.0	0.00

Monthly Climate Summary

January 2024 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
1/1/2024	34	20	27.0	-7.6	0.00
1/2/2024	42	18	30.0	-4.5	0.00
1/3/2024	50	24	37.0	2.6	0.00
1/4/2024	42	25	33.5	-0.8	0.00
1/5/2024	33	24	28.5	-5.7	0.17
1/6/2024	39	33	36.0	1.8	0.02
1/7/2024	47	31	39.0	4.9	0.00
1/8/2024	39	32	35.5	1.4	0.96
1/9/2024	40	29	34.5	0.4	0.07
1/10/2024	47	24	35.5	1.4	0.00
1/11/2024	53	25	39.0	5.0	0.31
1/12/2024	51	19	35.0	1.0	0.32
1/13/2024	M	M	M	M	0.00
1/14/2024	M	M	M	M	M
1/15/2024	M	M	M	M	0.00

Date	Max	Min	Avg.	Depart	Precip.
1/16/2024	19	M	M	M	0.00
1/17/2024	35	5	20.0	-14.2	0.00
1/18/2024	44	21	32.5	-1.7	0.00
1/19/2024	31	10	20.5	-13.8	T
1/20/2024	23	3	13.0	-21.4	0.00
1/21/2024	29	9	19.0	-15.5	0.00
1/22/2024	37	28	32.5	-2.0	1.17
1/23/2024	47	36	41.5	6.9	0.44
1/24/2024	54	43	48.5	13.7	0.10
1/25/2024	53	45	49.0	14.1	0.58
1/26/2024	46	41	43.5	8.5	0.00
1/27/2024	43	38	40.5	5.4	0.79
1/28/2024	45	29	37.0	1.7	0.00
1/29/2024	58	26	42.0	6.6	0.00
1/30/2024	61	35	48.0	12.4	0.00
1/31/2024	56	27	41.5	5.8	0.00

Monthly Climate Summary

January 2024 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
1/1/2024	32	21	26.5	-5.7	0.00
1/2/2024	43	20	31.5	-0.6	0.00
1/3/2024	44	22	33.0	1.0	0.00
1/4/2024	42	28	35.0	3.1	0.00
1/5/2024	37	27	32.0	0.2	0.02
1/6/2024	35	32	33.5	1.8	T
1/7/2024	39	30	34.5	2.9	T
1/8/2024	39	30	34.5	3.0	0.35
1/9/2024	38	27	32.5	1.1	0.17
1/10/2024	45	24	34.5	3.2	0.00
1/11/2024	50	29	39.5	8.2	0.16
1/12/2024	47	13	30.0	-1.2	0.33
1/13/2024	14	-2	6.0	-25.2	T
1/14/2024	-1	-7	-4.0	-35.2	0.00
1/15/2024	6	-5	0.5	-30.7	T

Date	Max	Min	Avg.	Depart	Precip.
1/16/2024	13	-5	4.0	-27.2	T
1/17/2024	40	5	22.5	-8.7	0.00
1/18/2024	41	24	32.5	1.3	T
1/19/2024	26	4	15.0	-16.2	T
1/20/2024	19	-1	9.0	-22.3	0.00
1/21/2024	33	9	21.0	-10.3	0.00
1/22/2024	38	27	32.5	1.1	0.71
1/23/2024	45	37	41.0	9.5	0.33
1/24/2024	47	40	43.5	11.9	0.31
1/25/2024	43	34	38.5	6.8	0.55
1/26/2024	41	37	39.0	7.2	0.00
1/27/2024	37	36	36.5	4.6	0.30
1/28/2024	37	23	30.0	-2.0	0.00
1/29/2024	56	25	40.5	8.3	0.00
1/30/2024	51	34	42.5	10.2	0.00
1/31/2024	55	28	41.5	9.0	0.00

Monthly Climate Summary

January 2024 - Precipitation Report

Station	Amount
ALTON	7.18
Twin Pines Conservation	6.73
WINONA 3 SW	5.98
LTSP	5.97
EMINENCE	5.77
ALTON 1.7 NNW	5.51
AVA 6NW	5.42
ROUND SPRING 2SW	5.33
WEST PLAINS 10.6 S	5.22
OZARK BEACH 2 NNE	5.18
WEST PLAINS 8.8 E	5.13
Sinkin Forest	5.11
WASOLA 5N	5.00
WEST PLAINS MUNICIPAL A	4.93
MYRTLE 2.5 WNW	4.93
WEST PLAINS 1.5 NW	4.75
SUMMERSVILLE 3.6 S	4.75

Station	Amount
SALEM 10 W	4.69
MOUNTAIN VIEW 7.0 NE	4.65
AVA 0.8 NNW	4.57
WEST PLAINS	4.57
MOUNTAIN GROVE 2 N	4.55
GAINESVILLE 6.2 ENE	4.42
TECUMSEH 2.2 SE	4.40
WEST PLAINS 2.2 NNW	4.38
Journagan Ranch	4.29
ROLLA MISSOURI S&T	4.28
BRANSON 3.2 NNW	4.27
ST. JAMES 10.1 SSE	4.24
BRANSON AIRPORT	4.23
HOLLISTER 3.8 SW	4.23
ROLLA 8.2 SSE	4.17
MOUNTAIN GROVE 14.0 S	4.16
LICKING 4N	4.16

Station	Amount
SALEM 1.8 NW	4.15
HARTVILLE	4.10
MONTAUK STATE PARK	4.09
ROLLA 7.6 SSE	4.08
SALEM 5.0 WNW	4.05
MANSFIELD	4.04
ROLLA 6.4 S	3.96
ST. JAMES 1.2 SE	3.96
ROLLA 3.4 NW	3.95
EMINENCE 4.7 ESE	3.93
ROLLA 3.2 SSW	3.90
ROLLA 1.6 ENE	3.86
RAYMONDVILLE 3.5 SE	3.82
ROLLA 3.7 WNW	3.82
ROLLA 2.2 SSE	3.81
ROLLA 2.8 S	3.76
TECUMSEH 1W	3.75

Monthly Climate Summary

January 2024 - Precipitation Report

Station	Amount
NEWBURG 9.6 SSW	3.74
ST. JAMES 7.4 NNE	3.74
ROLLA 4.4 WSW	3.69
NEOSHO	3.67
HOUSTON 5.0 SE	3.59
CLEVER 7.2 SE	3.58
HARTVILLE 3.8 WNW	3.57
FORT LEONARD WOOD	3.55
EMERALD BEACH 5.5 E	3.53
GREENFIELD 3.1 ENE	3.53
ROLLA 6.4 NNW	3.52
ROLLA 8.1 S	3.49
ROLLA 8.1 SSE	3.45
FLEMINGTON 1W	3.34
ROLLA 0.9 SE	3.32
JOPLIN 24 N	3.30
TANEYVILLE 3.9 NNE	3.30

Station	Amount
SALEM 11.7 NNW	3.30
FORT LEONARD WOOD 5.4 S	3.28
HOUSTON 1.1 NE	3.26
WAYNESVILLE 2 W	3.25
BATTLEFIELD 3.3 E	3.24
VICHY ROLLA NATL AP	3.23
CAPE FAIR 2.1 N	3.22
SALEM 14.9 E	3.22
SPRINGFIELD 4.9 SE	3.21
SALEM 3.5 E	3.21
WAYNESVILLE 3.5 WSW	3.14
NIXA 2.7 SSW	3.10
STOCKTON 0.5 W	3.08
FAIR PLAY 1.3 E	3.07
SHOAL CREEK ESTATES 0.2	3.06
DUNNEGAN 2.4 NNW	3.06
WARSAW 3.8 NNE	3.06

Station	Amount
SHELL KNOB 5.6 ESE	3.04
STOCKTON DAM	3.04
PITTSBURG	3.03
CRANE 0.7 SSW	3.03
LEBANON 2W	3.00
CRANE 0.3 SW	2.99
STOCKTON 0.2 NW	2.97
BOLIVAR 1.0 ENE	2.94
BOLIVAR 9.0 N	2.94
IBERIA	2.94
FAIR GROVE 4.7 SSW	2.92
NEOSHO 2.0 NNW	2.88
BRANSON 3.8 E	2.87
CASSVILLE 4.8 SSE	2.85
MARSHFIELD 3.7 SE	2.84
MANSFIELD 3.7 SSE	2.84
BILLINGS 1SW	2.80

Monthly Climate Summary

January 2024 - Precipitation Report

Station	Amount
MARSHFIELD 1.4 W	2.79
MOUNT VERNON 1.3 NNW	2.77
SPRINGFIELD 0.7 ENE	2.77
CONWAY 8.9 SW	2.76
VERSAILLES	2.76
URBANA 2.7 NNE	2.74
WILLARD 5.8 NNE	2.74
JOPLIN 1.3 NW	2.73
Mt Vernon	2.71
FLEMINGTON 2.6 S	2.69
SPRINGFIELD WFO	2.68
ASH GROVE 0.4 SSW	2.67
MORRISVILLE 2SW	2.67
LAKESIDE	2.67
LOCKWOOD	2.65
GREENFIELD 0.8 SSW	2.65
STRAFFORD 2.7 SW	2.65

Station	Amount
COLLINS 5.5 WNW	2.64
CARTHAGE 3.8 SW	2.63
LAMAR 0.3 ESE	2.61
CASSVILLE 1 NE	2.61
STOCKTON 2.5 NNE	2.60
KAISER LAKE OZARKS LEE	2.60
MOUNT VERNON 0.2 E	2.59
BOLIVAR 1 NE	2.59
Schell-Osage	2.57
ELDON	2.57
HALF WAY 0.8 WNW	2.56
COLE CAMP 3NW	2.55
STARK CITY 5.5 ENE	2.53
STOVER 2.3 NW	2.53
ANDERSON 4.2 W	2.52
ALDRICH 5.0 ESE	2.52
LINCOLN 0.4 NNE	2.52

Station	Amount
LEBANON 0.6 N	2.51
CLEVER 4.0 ENE	2.48
HERMITAGE 0.5 ESE	2.48
BUFFALO 1.0 SW	2.47
BRUMLEY 5.6 SW	2.45
HOUSTON 4.5 ESE	2.45
ANDERSON 6.8 W	2.44
MONETT 4SW	2.43
SPRINGFIELD WSO AP	2.43
ANDERSON 3W	2.42
GIRARD	2.42
SELIGMAN 3.0 N	2.42
TABLE ROCK DAM	2.41
SPRINGFIELD 1.0 SSE	2.39
POMME DE TERRE DAM	2.39
KIMBERLING CITY 1.5 WNW	2.38
PIERCE CITY 5.0 NE	2.37

Station	Amount
CASSVILLE 0.5 SW	2.36
HARTVILLE 0.5 SSE	2.36
GOLDEN CITY 0.6 SSW	2.35
NEVADA 6.3 ESE	2.33
COLUMBUS	2.31
CARTHAGE 4.5 E	2.31
GRAVOIS MILLS 8.4 S	2.29
PURDY 4.8 SSW	2.28
CARL JUNCTION 3.1 WSW	2.25
SAVONBURG 4.1 ESE	2.24
WALNUT GROVE 5.2 SE	2.23
DEVON 0.1 SE	2.22
FARLINGTON 0.8 NNE	2.22
NEVADA 0.2 W	2.20
NEVADA WATER PLANT	2.19
FORT SCOTT 9.3 NNE	2.19
HOUSTON	2.18

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Station	Amount
MARSHFIELD 4 WSW	2.16
MOUNTAIN VIEW 7.9 W	2.16
SPRINGFIELD 4.0 SW	2.14
WALNUT GROVE 5.8 NNW	2.09
APPLETON CITY	2.09
LEBANON 1.3 E	2.06
LAMAR 7N	2.01
JOPLIN REGIONAL AIRPORT	2.00
MILLER 9.2 WNW	2.00
TRUMAN DAM & RESERVOIR	2.00
GREENFIELD 2.9 WSW	1.95
DIXON 5.2 NE	1.92
ASH GROVE 4S	1.90
STOCKTON 5.6 S	1.90
GIRARD 4.6 W	1.86
BROOKLINE 2.3 NNW	1.85
NEVADA 3.4 NE	1.81

Station	Amount
MARSHFIELD 0.9 SE	1.61
MONETT 1.8 N	1.60
MARIONVILLE 4.7 N	1.53
MOUNTAIN GROVE 13.0 NNW	1.49
DIAMOND 2W	1.45
CARTHAGE 1.5 S	1.43
HOUSTON 2.0 S	1.42
FORT SCOTT 0.6 SW	1.34
OAKLAND PARK 0.6 ESE	1.30
LEBANON 6.3 N	1.17
OSCEOLA 0.3 SW	1.15
FORT SCOTT	1.12
SUNDOWN 5.1 SE	1.10
SPRINGFIELD 5.5 SSW	1.00
ROCKVILLE 7.9 E	0.99
MCCUNE 1.6 NW	0.97
REPUBLIC 0.8 ESE	0.88

Station	Amount
THEODOSIA 13.9 NE	0.87
GREENFIELD 2SE	0.85
GOODSON 0.5 NNW	0.68
GALENA	0.64
STOUTLAND 5.9 NNE/FSA	0.56
PHILLIPSBURG 5.0 NW	0.53
WILLARD 2.6 W	0.45
ELDON 3.8 NW	0.41
GOLDEN CITY 6 S	0.36

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.*