Monthly Climate Summary

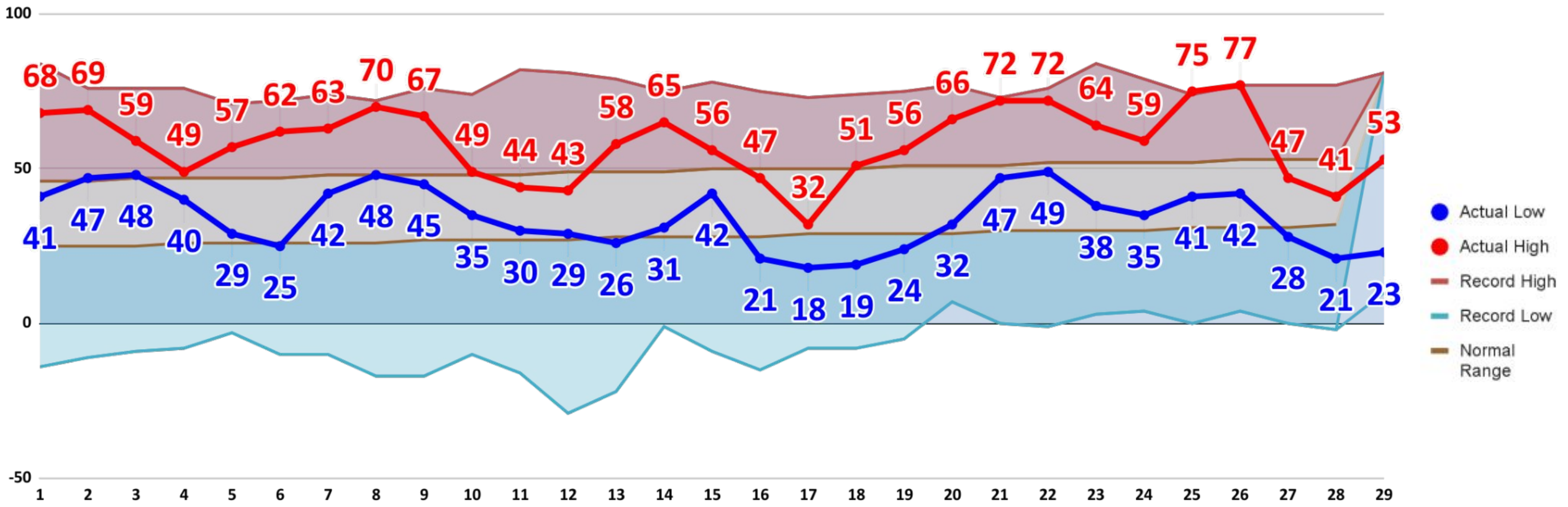
February 2024 Overview

Monthly Climate Overview - February 2024				
Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	82	83	88	82
Average Max. Temperature	59.5	60.5	61.0	58.8
Minimum Temperature	18	16	20	15
Average Min. Temperature	34.6	37.0	35.4	32.8
Average Mean Temperature	47.1	48.7	48.2	45.8
Departure from Normal	+8.4	+9.3	9.3	9.7
Temperature Rank	2nd warmest / 137	1st warmest / 95	1st warmest / 76	2nd warmest / 75
Days of 90 degrees or warmer	0	0	0	0
# of Days of Highs of 32 or lower	1	0	0	1
# of Days of Lows of 32 or lower	13	10	13	14
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	0.99	1.52	1.36	0.38
Departure from Normal	-1.41	-0.46	-1.75	-1.68
Precipitation Rank	27th driest / 137	49th driest / 114	9th driest / 76	3rd driest / 76
Days of 0.01" or more	6	5	5	3
Days of 0.10" or more	3	5	3	1
Days of 0.50" or more	0	0	1	0
Days of 1.00" or more	0	0	0	0
Annual Snowfall	0.8			

Monthly Climate Summary

Springfield Temperature Chart

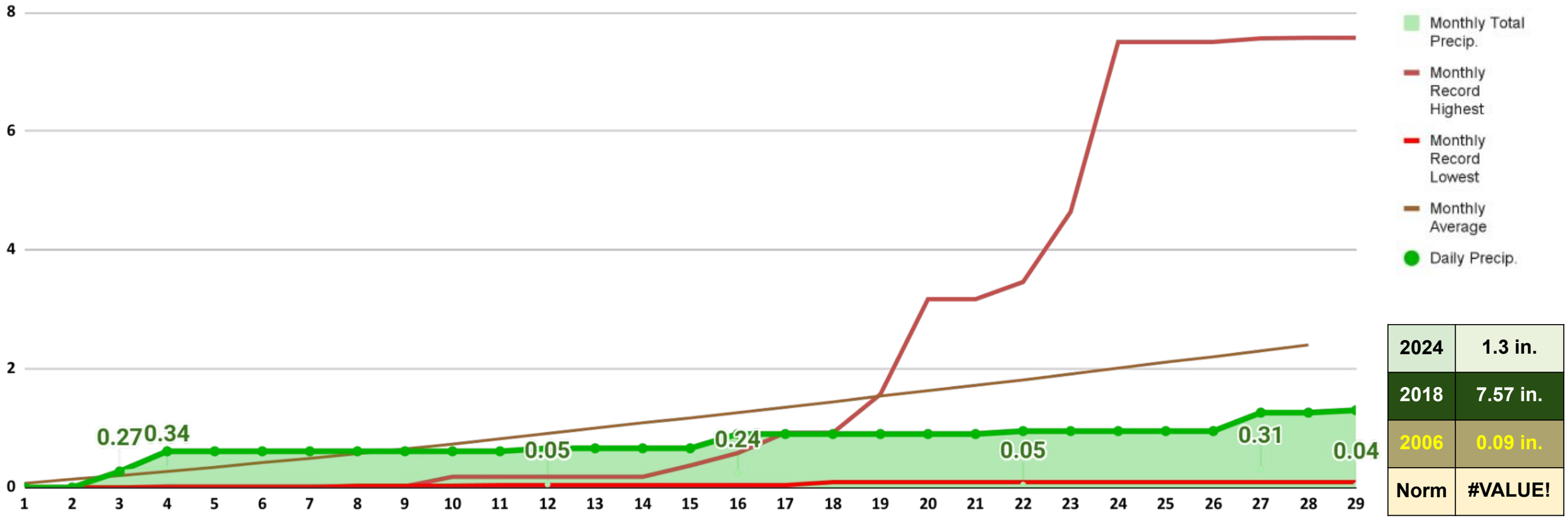
Springfield Temperatures February 2024



Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation February 2024

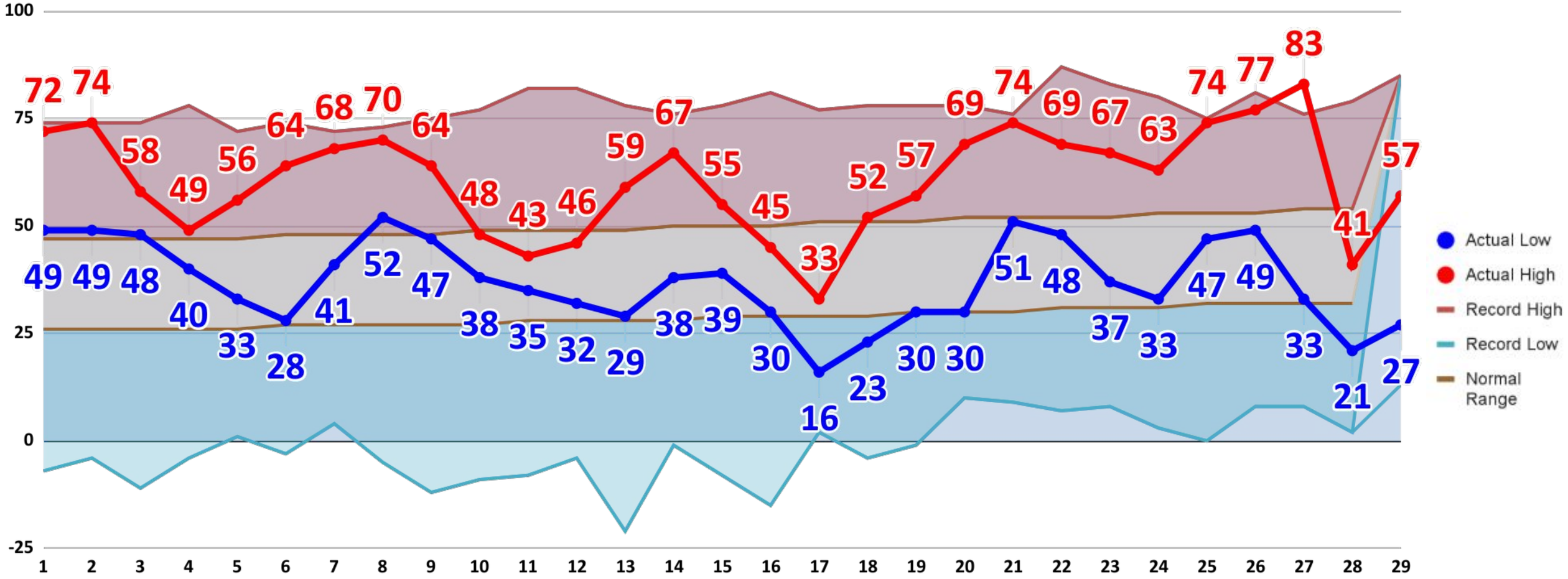


2024	1.3 in.
2018	7.57 in.
2006	0.09 in.
Norm	#VALUE!

Monthly Climate Summary

Joplin Temperature Chart

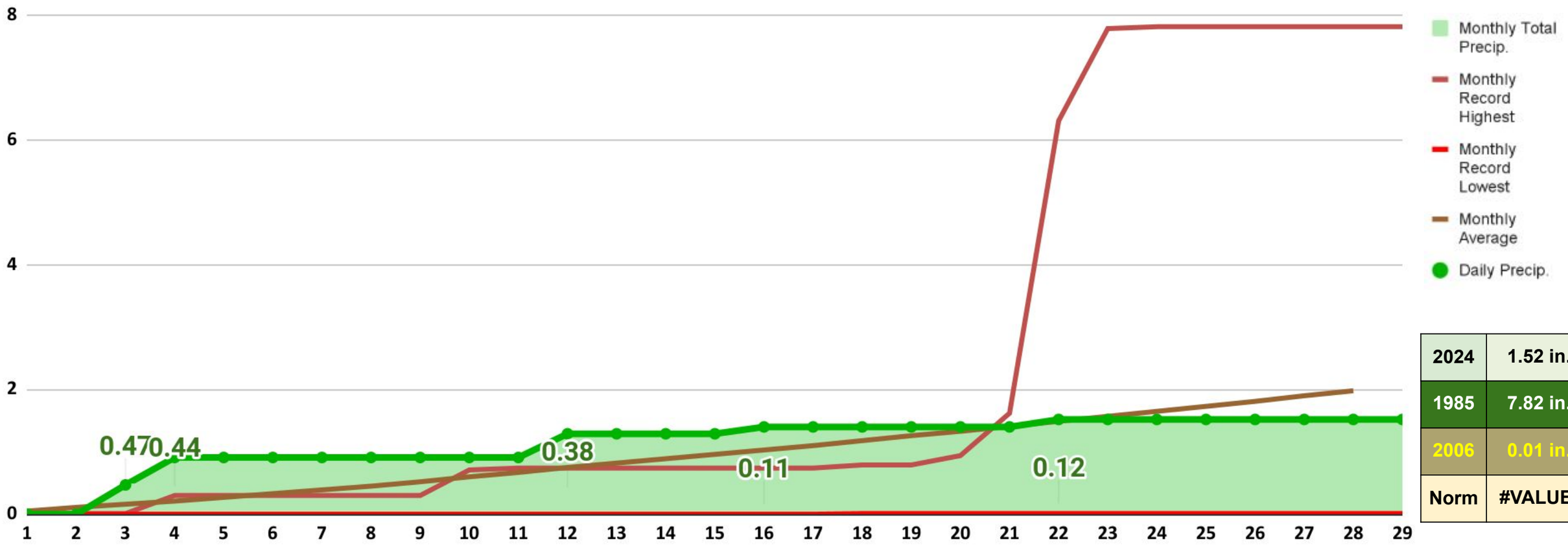
Joplin Temperatures February 2024



Monthly Climate Summary

Joplin Precipitation Chart

Joplin Precipitation February 2024

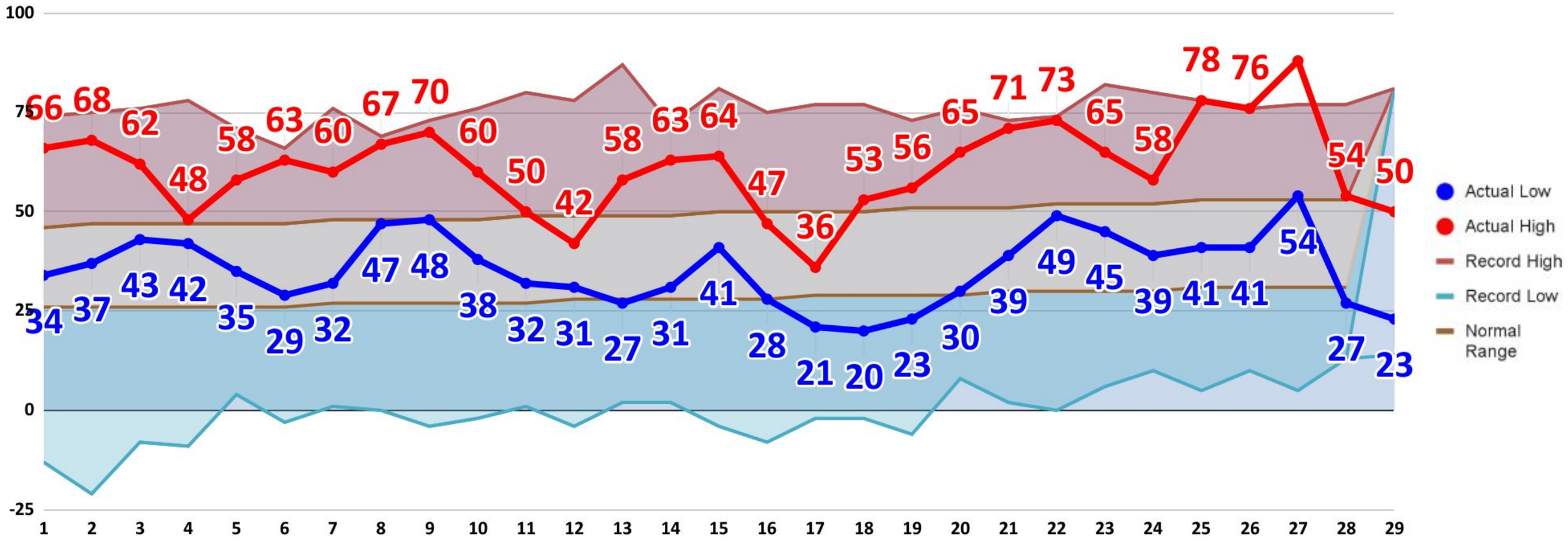


2024	1.52 in.
1985	7.82 in.
2006	0.01 in.
Norm	#VALUE!

Monthly Climate Summary

West Plains Temperature Chart

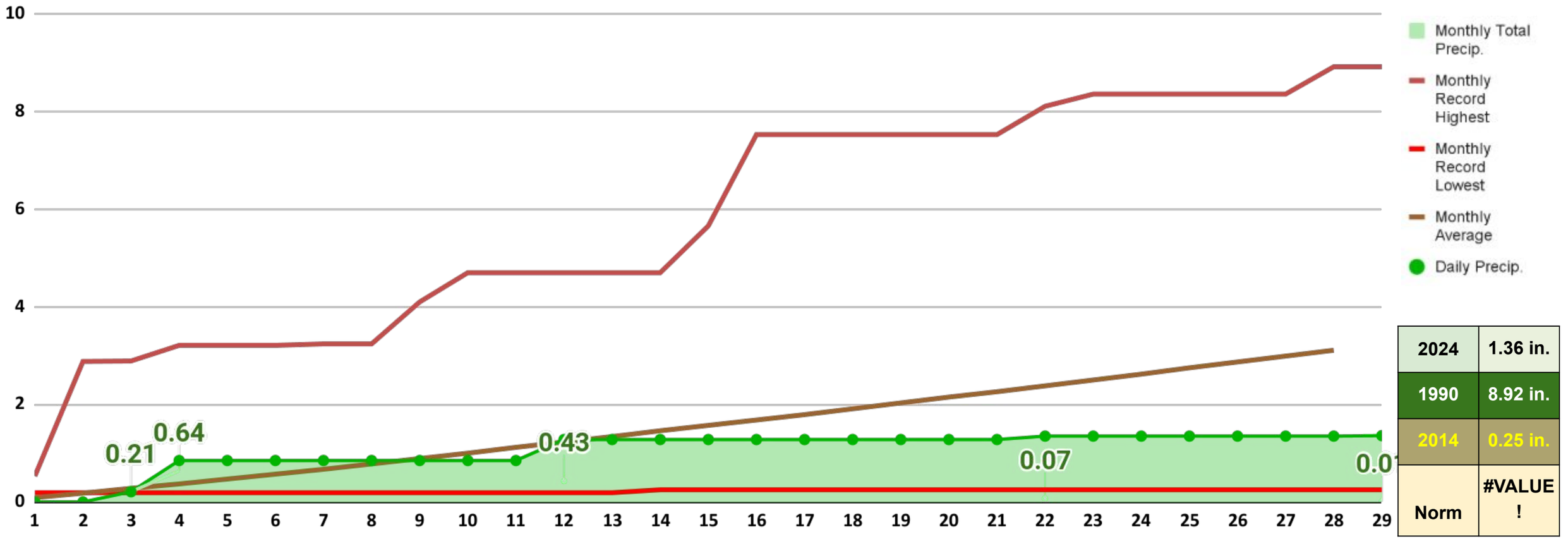
West Plains Temperatures February 2024



Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation February 2024

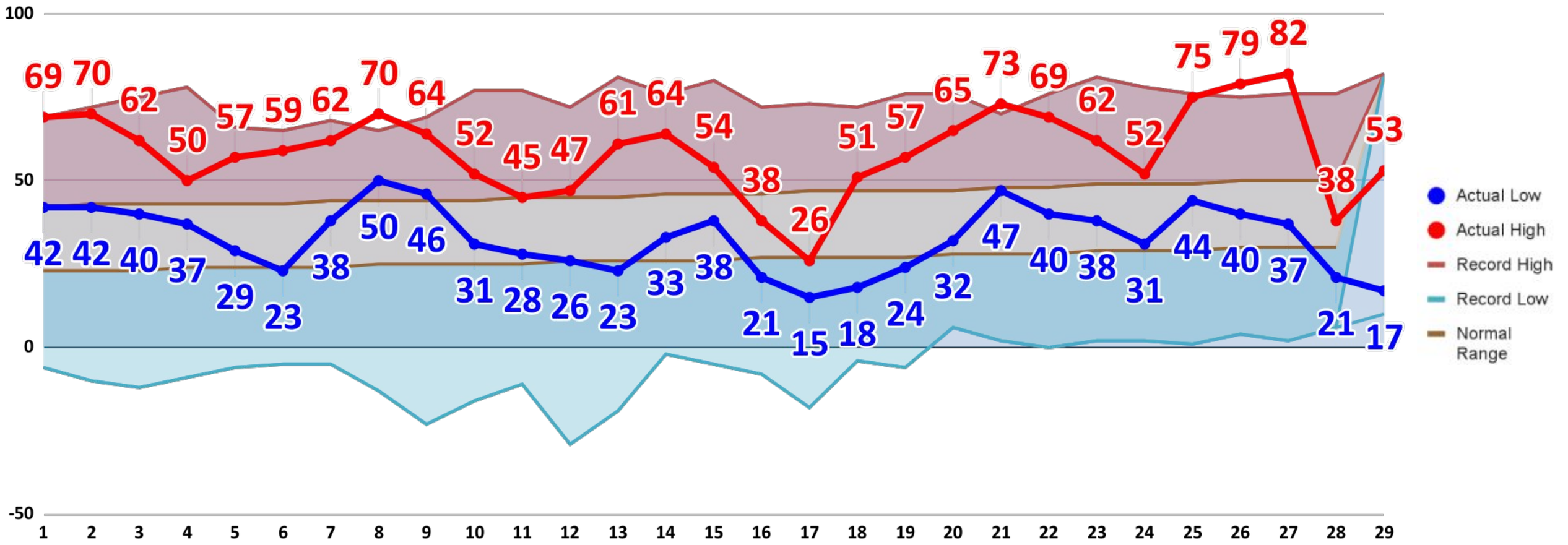


2024	1.36 in.
1990	8.92 in.
2014	0.25 in.
Norm	#VALUE !

Monthly Climate Summary

Rolla / Vichy Temperature Chart

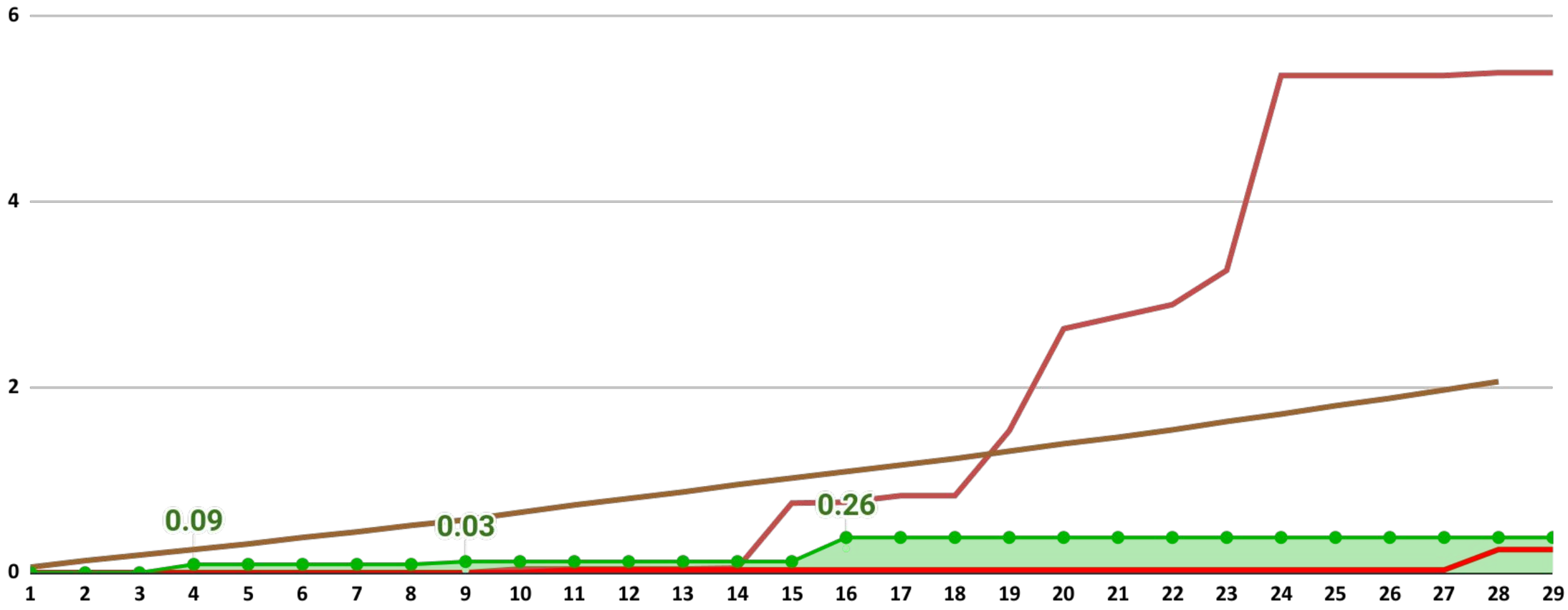
Rolla / Vichy Temperatures February 2024



Monthly Climate Summary

Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation February 2024



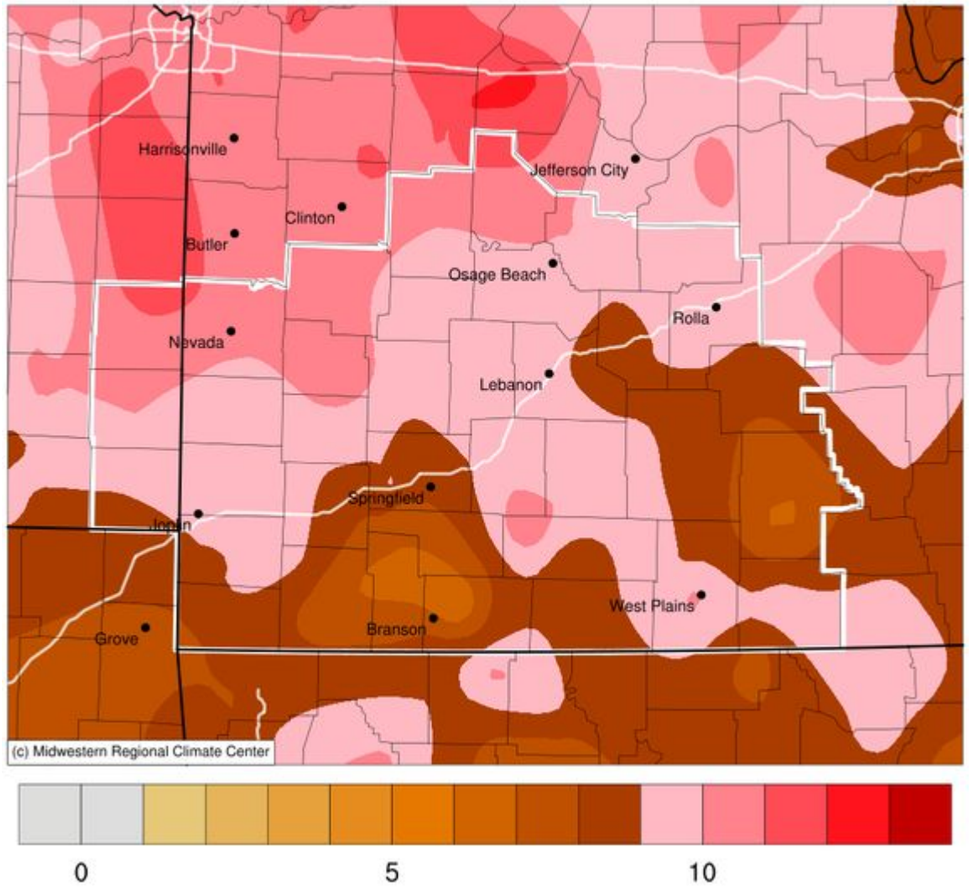
2024	0.38 in.
2018	5.39 in.
1947	0.25 in.
Norm	#VALUE!

Monthly Climate Summary

February 2024 - Monthly Departure Maps

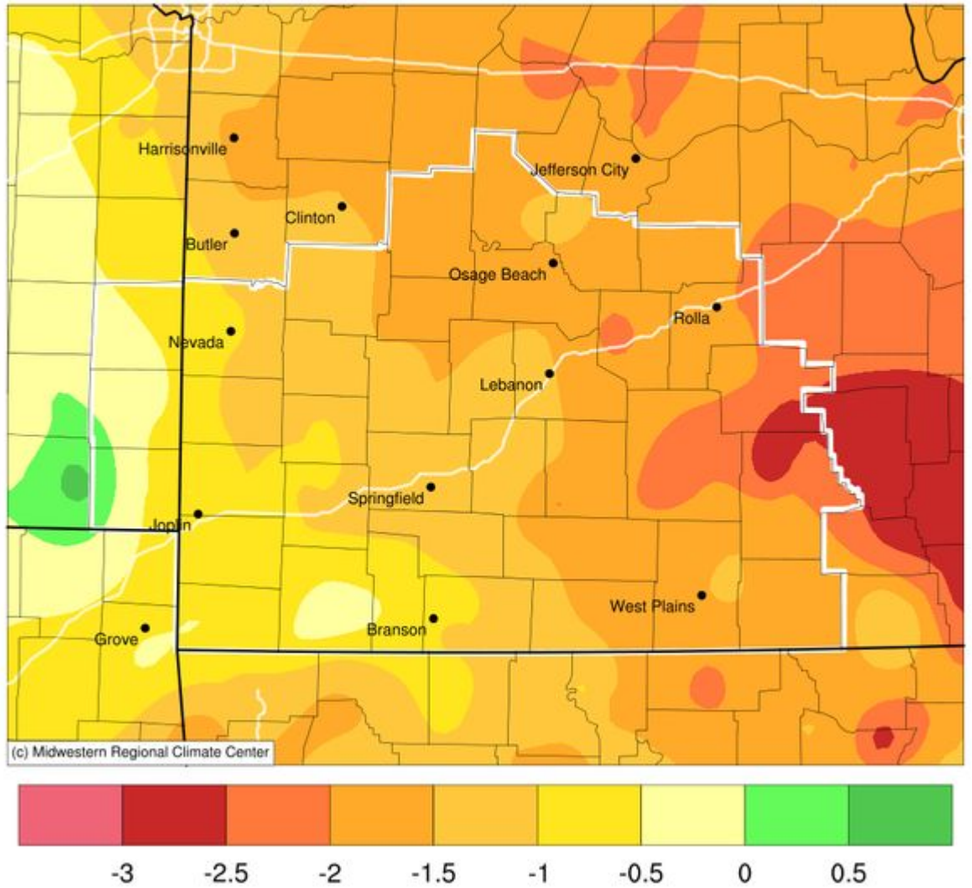
Average Temperature (°F): Departure from 1991-2020 Normals

February 01, 2024 to February 29, 2024



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

February 01, 2024 to February 29, 2024



Monthly Climate Summary

February 2024 - Records for the month

List of February 2024 Records		
Date	**Station**	**Record**
Feb 1	**Joplin**	**Record high of 72 broke the old record of 70 set in 1974.**
Feb 1	**Vichy**	**Record high of 69 tied the old record set in 1974.**
Feb 2	**Joplin**	**Record high of 74 tied the old record set in 2003.**
Feb 8	**Vichy**	**Record high of 70 broke the old record of 65 set in 2001.**
Feb 25	**Springfield**	**Record high of 75 broke the old record of 74 set in 1981.**
Feb 25	**West Plains**	**Record high of 78 tied the old record set in 1981.**
Feb 26	**Springfield**	**Record high of 77 tied the old record set in 1996.**
Feb 26	**West Plains**	**Record high of 76 tied the old record set in 1961.**
Feb 26	**Vichy**	**Record high of 79 broke the old record of 75 set in 1996.**
Feb 27	**Springfield**	**Record high of 82 broke the old record of 77 set in 1976.**

Monthly Climate Summary

February 2024 - Records for the month

Feb 27	**Joplin**	**Record high of 83 broke the old record of 76 set in 1976.**
Feb 27	**West Plains**	**Record high of 88 broke the old record of 77 set in 1976.**
Feb 27	**Vichy**	**Record high of 82 broke the old record of 76 set in 1976.**
February	**Joplin**	**Warmest average temperature for February of 48.7 tied the old record set in 2017.**
February	**West Plains**	**Warmest average temperature for February of 48.2 broke the old record of 48.0 set in 2017.**

Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
March	58.9	36.2	3.51	2.0
April	68.4	45.6	4.71	0.0
May	76.3	55.6	5.56	0.1

Upcoming Normal Conditions for the Next 3 Months			
Joplin			
Month	High	Low	Precip.
March	59.8	37.4	3.29
April	69.2	46.6	4.99
May	77.0	56.0	6.56

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
March	59.0	36.1	4.41
April	69.0	45.7	5.31
May	76.4	54.8	5.55

Rolla / Vichy			
Month	High	Low	Precip.
March	56.3	34.9	3.40
April	67.0	44.6	4.71
May	74.9	54.4	5.35

Monthly Climate Summary

February 2024 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
2/1/2024	68	41	54.5	18.9	0	0	0
2/2/2024	69	47	58.0	22.2	0	0	0
2/3/2024	59	48	53.5	17.5	0.27	0	0
2/4/2024	49	40	44.5	8.3	0.34	0	0
2/5/2024	57	29	43.0	6.6	0	0	0
2/6/2024	62	25	43.5	6.9	0	0	0
2/7/2024	63	42	52.5	15.7	0	0	0
2/8/2024	70	48	59.0	22.0	0	0	0
2/9/2024	67	45	56.0	18.8	0	0	0
2/10/2024	49	35	42.0	4.5	0	0	0
2/11/2024	44	30	37.0	-0.7	T	T	0
2/12/2024	43	29	36.0	-2.0	0.05	0.8	T
2/13/2024	58	26	42.0	3.8	0	0	0
2/14/2024	65	31	48.0	9.5	0	0	0
2/15/2024	56	42	49.0	10.3	0	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
2/16/2024	47	21	34	-5	0.24	T	0
2/17/2024	32	18	25	-14.3	0	0	0
2/18/2024	51	19	35	-4.5	0	0	0
2/19/2024	56	24	40	0.2	0	0	0
2/20/2024	66	32	49	8.9	0	0	0
2/21/2024	72	47	59.5	19.1	0	0	0
2/22/2024	72	49	60.5	19.8	0.05	0	0
2/23/2024	64	38	51	10	0	0	0
2/24/2024	59	35	47	5.7	0	0	0
2/25/2024	75	41	58	16.4	0	0	0
2/26/2024	77	42	59.5	17.6	0	0	0
2/27/2024	82	36	59	16.8	0	0	0
2/28/2024	41	21	31	-11.5	0	0	0
2/29/2024	53	23	38	-4.6	0.04	T	0

Monthly Climate Summary

February 2024 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
2/1/2024	72	49	60.5	24.4	0.00
2/2/2024	74	49	61.5	25.2	0.00
2/3/2024	58	48	53.0	16.5	0.47
2/4/2024	49	40	44.5	7.8	0.44
2/5/2024	56	33	44.5	7.6	0.00
2/6/2024	64	28	46.0	8.9	0.00
2/7/2024	68	41	54.5	17.2	0.00
2/8/2024	70	52	61.0	23.5	0.00
2/9/2024	64	47	55.5	17.7	0.00
2/10/2024	48	38	43.0	5.0	0.00
2/11/2024	43	35	39.0	0.8	T
2/12/2024	46	32	39.0	0.5	0.38
2/13/2024	59	29	44.0	5.2	0.00
2/14/2024	67	38	52.5	13.5	0.00
2/15/2024	55	39	47.0	7.7	0.00

Date	Max	Min	Avg.	Depart	Precip.
2/16/2024	45	30	37.5	-2.1	0.11
2/17/2024	33	16	24.5	-15.4	0.00
2/18/2024	52	23	37.5	-2.6	0.00
2/19/2024	57	30	43.5	3.1	0.00
2/20/2024	69	30	49.5	8.8	0.00
2/21/2024	74	51	62.5	21.5	0.00
2/22/2024	69	48	58.5	17.2	0.12
2/23/2024	67	37	52.0	10.3	0.00
2/24/2024	63	33	48.0	6.0	0.00
2/25/2024	74	47	60.5	18.2	0.00
2/26/2024	77	49	63.0	20.4	0.00
2/27/2024	83	33	58.0	15.1	T
2/28/2024	41	21	31.0	-12.3	0.00
2/29/2024	57	27	42.0	-1.4	T

Monthly Climate Summary

February 2024 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
2/1/2024	66	34	50.0	14.1	0.00
2/2/2024	68	37	52.5	16.4	0.00
2/3/2024	62	43	52.5	16.2	0.21
2/4/2024	48	42	45.0	8.5	0.64
2/5/2024	58	35	46.5	9.8	0.00
2/6/2024	63	29	46.0	9.1	0.00
2/7/2024	60	32	46.0	8.9	0.00
2/8/2024	67	47	57.0	19.7	0.00
2/9/2024	70	48	59.0	21.5	0.00
2/10/2024	60	38	49.0	11.3	0.00
2/11/2024	50	32	41.0	3.1	T
2/12/2024	42	31	36.5	-1.7	0.43
2/13/2024	58	27	42.5	4.1	0.00
2/14/2024	63	31	47.0	8.4	0.00
2/15/2024	64	41	52.5	13.6	0.00

Date	Max	Min	Avg.	Depart	Precip.
2/16/2024	47	28	37.5	-1.6	T
2/17/2024	36	21	28.5	-10.9	0.00
2/18/2024	53	20	36.5	-3.1	0.00
2/19/2024	56	23	39.5	-0.4	0.00
2/20/2024	65	30	47.5	7.3	0.00
2/21/2024	71	39	55.0	14.6	0.00
2/22/2024	73	49	61.0	20.3	0.07
2/23/2024	65	45	55.0	14.0	0.00
2/24/2024	58	39	48.5	7.2	0.00
2/25/2024	78	41	59.5	18.0	0.00
2/26/2024	76	41	58.5	16.7	0.00
2/27/2024	88	54	71.0	28.9	0.00
2/28/2024	54	27	40.5	-1.9	0.00
2/29/2024	50	23	36.5	-6.0	0.01

Monthly Climate Summary

February 2024 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
2/1/2024	69	42	55.5	22.8	T
2/2/2024	70	42	56.0	23.1	0.00
2/3/2024	62	40	51.0	17.9	0.00
2/4/2024	50	37	43.5	10.2	0.09
2/5/2024	57	29	43.0	9.5	0.00
2/6/2024	59	23	41.0	7.3	0.00
2/7/2024	62	38	50.0	16.1	0.00
2/8/2024	70	50	60.0	25.8	0.00
2/9/2024	64	46	55.0	20.6	0.03
2/10/2024	52	31	41.5	6.8	0.00
2/11/2024	45	28	36.5	1.6	0.00
2/12/2024	47	26	36.5	1.3	0.00
2/13/2024	61	23	42.0	6.5	0.00
2/14/2024	64	33	48.5	12.7	0.00
2/15/2024	54	38	46.0	9.9	T

Date	Max	Min	Avg.	Depart	Precip.
2/16/2024	38	21	29.5	-6.9	0.26
2/17/2024	26	15	20.5	-16.2	0.00
2/18/2024	51	18	34.5	-2.5	0.00
2/19/2024	57	24	40.5	3.2	0.00
2/20/2024	65	32	48.5	10.9	0.00
2/21/2024	73	47	60.0	22.1	0.00
2/22/2024	69	40	54.5	16.3	0.00
2/23/2024	62	38	50.0	11.5	0.00
2/24/2024	52	31	41.5	2.6	0.00
2/25/2024	75	44	59.5	20.3	T
2/26/2024	79	40	59.5	20.0	0.00
2/27/2024	82	37	59.5	19.7	T
2/28/2024	38	21	29.5	-10.7	T
2/29/2024	53	17	35.0	-5.3	0.00

Monthly Climate Summary

February 2024 - Precipitation Report

Station	Amount
ANDERSON 6.8 W	2.38
CASSVILLE 1 NE	2.28
CASSVILLE 4.8 SSE	2.26
WALNUT 4S	2.20
ANDERSON 3W	2.20
CASSVILLE 0.5 SW	2.17
ALTON 1.7 NNW	2.14
SELIGMAN 3.0 N	2.08
GIRARD 4.6 W	1.98
BRANSON 3.8 E	1.97
HOLLISTER 3.8 SW	1.95
CAPE FAIR 2.1 N	1.91
ANDERSON 4.2 W	1.88
BRANSON 3.2 NNW	1.86
EMERALD BEACH 5.5 E	1.85
KIMBERLING CITY 1.5 WNW	1.83
OZARK BEACH 2 NNE	1.75

Station	Amount
WEST PLAINS 8.8 E	1.75
HARTVILLE 0.5 SSE	1.72
SHELL KNOB 5.6 ESE	1.71
MONETT 1.8 N	1.70
SAVONBURG 4.1 ESE	1.68
ALTON	1.67
FARLINGTON 0.8 NNE	1.66
CRANE 0.7 SSW	1.65
CRANE 0.3 SW	1.65
Twin Pines Conservation	1.62
CARTHAGE 3.8 SW	1.59
MOUNTAIN VIEW 7.0 NE	1.59
JOPLIN 1.3 NW	1.58
GIRARD	1.58
AVA 0.8 NNW	1.56
CLEVER 7.2 SE	1.53
JOPLIN REGIONAL AIRPORT	1.52

Station	Amount
MARSHFIELD 4 WSW	1.51
TABLE ROCK DAM	1.50
WEST PLAINS 2.2 NNW	1.50
DEVON 0.1 SE	1.49
COLUMBUS	1.48
FORT SCOTT	1.48
JOPLIN 24 N	1.48
CARL JUNCTION 3.1 WSW	1.47
PURDY 4.8 SSW	1.47
MARSHFIELD 1.4 W	1.46
PITTSBURG	1.45
MOUNTAIN VIEW 7.9 W	1.44
FORT SCOTT 0.6 SW	1.42
WASOLA 5N	1.41
MONETT 4SW	1.38
FORT SCOTT 9.3 NNE	1.37
WEST PLAINS	1.37

Monthly Climate Summary

February 2024 - Precipitation Report

Station	Amount
WINONA 3 SW	1.37
TANEYVILLE 3.9 NNE	1.36
WEST PLAINS MUNICIPAL A	1.36
OAKLAND PARK 0.6 ESE	1.33
MARSHFIELD 0.9 SE	1.33
LEBANON 2W	1.32
CARTHAGE 4.5 E	1.31
BROOKLINE 2.3 NNW	1.31
SPRINGFIELD 4.9 SE	1.31
SHOAL CREEK ESTATES 0.2	1.30
SPRINGFIELD WFO	1.30
NEOSHO 3.9 WNW	1.28
MARIONVILLE 4.7 N	1.28
GOLDEN CITY 6 S	1.27
SPRINGFIELD 4.0 SW	1.27
WEST PLAINS 1.5 NW	1.27
PIERCE CITY 5.0 NE	1.26

Station	Amount
SUMMERSVILLE 3.6 S	1.26
BATTLEFIELD 3.3 E	1.24
WEST PLAINS 10.6 S	1.24
SPRINGFIELD 1.0 SSE	1.23
GREENFIELD 0.8 SSW	1.22
BRANSON AIRPORT	1.22
BILLINGS 1SW	1.21
AVA 6NW	1.21
MILLER 9.2 WNW	1.20
NEVADA WATER PLANT	1.19
LOCKWOOD	1.19
NEVADA 3.4 NE	1.18
SPRINGFIELD 0.7 ENE	1.18
CARTHAGE 1.5 S	1.17
CONWAY 8.9 SW	1.16
HARTVILLE 3.8 WNW	1.16
GOLDEN CITY 0.6 SSW	1.14

Station	Amount
WALNUT GROVE 5.8 NNW	1.14
TECUMSEH 1W	1.14
MOUNT VERNON 0.2 E	1.13
GREENFIELD 2SE	1.12
MOUNT VERNON 1.3 NNW	1.11
GREENFIELD 2.9 WSW	1.11
NEVADA 0.2 W	1.10
STARK CITY 5.5 ENE	1.08
FAIR GROVE 4.7 SSW	1.07
MILLER	1.06
MANSFIELD 3.7 SSE	1.04
EMINENCE	1.04
STOCKTON DAM	1.03
FAIR PLAY 1.3 E	1.03
HARTVILLE	1.03
NEVADA 6.3 ESE	1.01
LEBANON 1.3 E	1.01

Monthly Climate Summary

February 2024 - Precipitation Report

Station	Amount
LAMAR 0.3 ESE	0.99
SPRINGFIELD WSO AP	0.99
EMINENCE 4.7 ESE	0.99
LAMAR 7N	0.98
ASH GROVE 0.4 SSW	0.98
MOUNTAIN GROVE 14.0 S	0.98
THEODOSIA 13.9 NE	0.98
HOUSTON	0.98
ASH GROVE 4S	0.96
TECUMSEH 2.2 SE	0.96
STOCKTON 2.5 NNE	0.95
STOCKTON 5.6 S	0.95
WAYNESVILLE 3.5 WSW	0.94
ST. JAMES 10.1 SSE	0.94
STOCKTON 0.5 W	0.92
MORRISVILLE 2SW	0.92
BOLIVAR 9.0 N	0.92

Station	Amount
STOCKTON 0.2 NW	0.91
WALNUT GROVE 5.2 SE	0.90
DORA 3SE	0.90
SALEM 1.8 NW	0.90
MARSHFIELD 3.7 SE	0.89
Schell-Osage	0.88
SALEM 10 W	0.88
FORT LEONARD WOOD 5.4 S	0.88
BOLIVAR 1.0 ENE	0.87
LEBANON 0.6 N	0.87
MYRTLE 2.5 WNW	0.87
FORT LEONARD WOOD	0.87
WILLARD 2.6 W	0.86
Journagan Ranch	0.86
LAKESIDE	0.86
ALDRICH 5.0 ESE	0.84
DUNNEGAN 2.4 NNW	0.82

Station	Amount
BUFFALO 1.0 SW	0.82
CLEVER 4.0 ENE	0.81
BOLIVAR 1 NE	0.81
WILLARD 5.8 NNE	0.76
HALF WAY 0.8 WNW	0.76
SALEM 5.0 WNW	0.76
NEWBURG 9.6 SSW	0.75
ROLLA 3.7 WNW	0.75
COLLINS 5.5 WNW	0.74
LICKING 4N	0.72
MOUNTAIN GROVE 2 N	0.70
ROCKVILLE 7.9 E	0.69
GREENFIELD 3.1 ENE	0.68
MONTAUK STATE PARK	0.68
ELDON	0.67
RAYMONDVILLE 3.5 SE	0.66
FLEMINGTON 1W	0.65

Station	Amount
ST. JAMES 7.4 NNE	0.65
URBANA 2.7 NNE	0.64
ELDORADO SPRINGS	0.62
KAISER LAKE OZARKS LEE	0.62
ROLLA 7.6 SSE	0.62
SARCOXIE 1.0 W	0.60
FLEMINGTON 2.6 S	0.60
GRAVOIS MILLS 8.4 S	0.60
BRUMLEY 5.6 SW	0.59
HOUSTON 5.0 SE	0.59
SALEM 3.5 E	0.59
LTSP	0.58
ROLLA 8.1 S	0.58
Sinkin Forest	0.57
PHILLIPSBURG 5.0 NW	0.56
WARSAW 3.8 NNE	0.56
ROUND SPRING 2SW	0.55

Monthly Climate Summary

February 2024 - Precipitation Report

Station	Amount
HOUSTON 4.5 ESE	0.55
IBERIA	0.54
ROLLA 3.2 SSW	0.54
ROLLA 3.4 NW	0.53
LEBANON 6.3 N	0.52
ROLLA 0.9 SE	0.52
ROLLA 6.4 S	0.51
SALEM 14.9 E	0.50
MCCUNE 1.6 NW	0.49
GOODSON 0.5 NNW	0.49
HOUSTON 1.1 NE	0.47
GAINESVILLE 6.2 ENE	0.46
SALEM 11.7 NNW	0.46
ROLLA 1.6 ENE	0.46
HOUSTON 2.0 S	0.44
TRUMAN DAM & RESERVOIR	0.43
ROLLA 2.8 S	0.43

Station	Amount
WAYNESVILLE 2 W	0.42
ROLLA 2.2 SSE	0.42
ROLLA 8.2 SSE	0.41
VIENNA 4.3 NNW	0.40
ROLLA MISSOURI S&T	0.39
ROLLA 4.4 WSW	0.38
VICHY ROLLA NATL AP	0.38
HERMITAGE 0.5 ESE	0.37
STOVER 2.3 NW	0.37
DIAMOND 2W	0.36
COLE CAMP 3NW	0.36
ROLLA 8.1 SSE	0.36
LINCOLN 0.4 NNE	0.35
COLE CAMP 0.4 SE	0.35
SALEM	0.31
MANSFIELD	0.27
ST. JAMES 1.2 SE	0.26

Station	Amount
DIXON 5.2 NE	0.25
ROLLA 1.3 NE	0.23
NEOSHO	0.20

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.*