

Monthly Climate Summary

December 2024 Overview

Monthly Climate Overview - December 2024

Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	63	68	68	62
Average Max. Temperature	51.0	52.8	51.3	47.9
Minimum Temperature	16	19	15	14
Average Min. Temperature	31.0	33.3	32.7	30.1
Average Mean Temperature	41.0	43.1	42.0	39.0
Departure from Normal	+3.6	+5.0	4.5	3.6
Temperature Rank	19th warmest / 137	10th warmest / 97	7th warmest / 77	12th warmest / 75
Days of 90 degrees or warmer	0	0	0	0
# of Days of Highs of 32 or lower	0	0	0	1
# of Days of Lows of 32 or lower	17	14	17	17
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	2.29	1.47	4.93	2.66
Departure from Normal	-0.32	-1.13	1.81	0.35
Precipitation Rank	60th wettest / 137	44th driest / 114	15th wettest / 77	24th wettest / 76
Days of 0.01" or more	6	7	11	9
Days of 0.10" or more	4	4	8	5
Days of 0.50" or more	2	1	4	2
Days of 1.00" or more	1	0	2	1
Annual Snowfall	0.0			

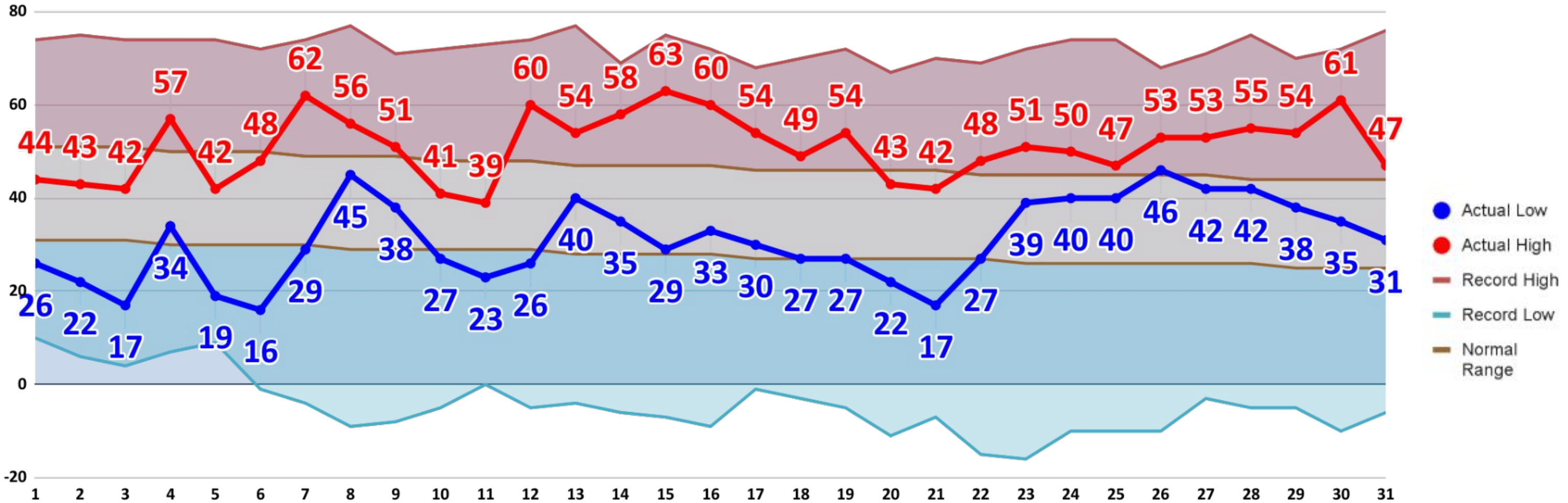




Monthly Climate Summary

Springfield Temperature Chart

Springfield Temperatures December 2024

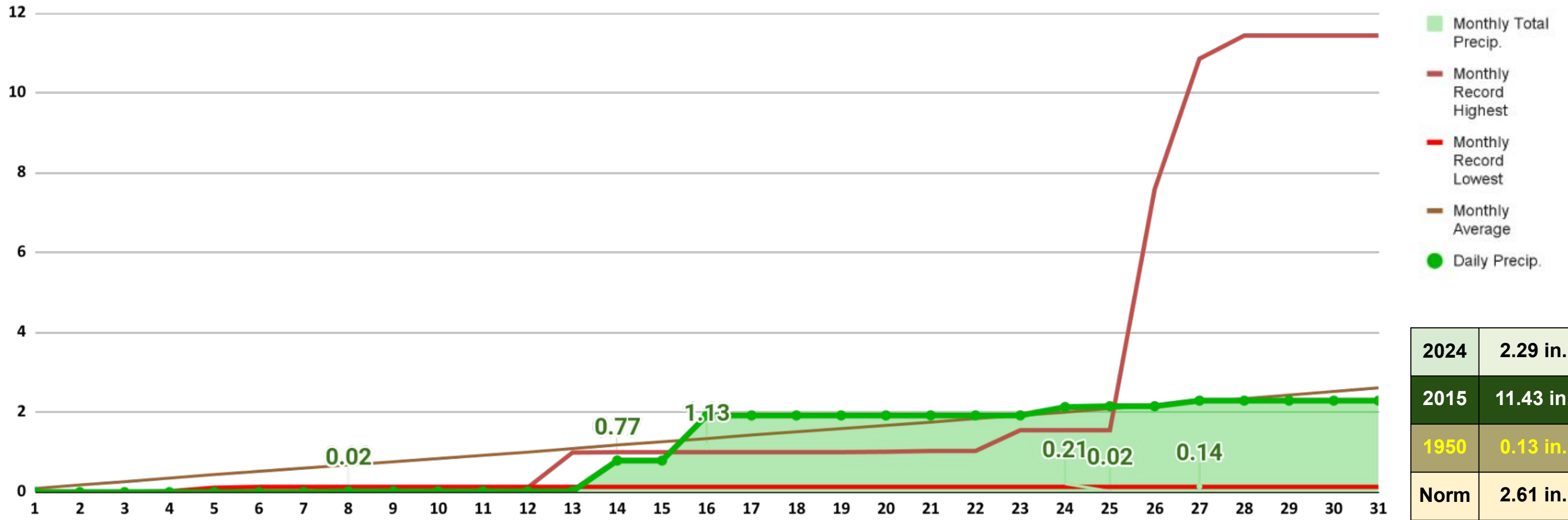




Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation December 2024

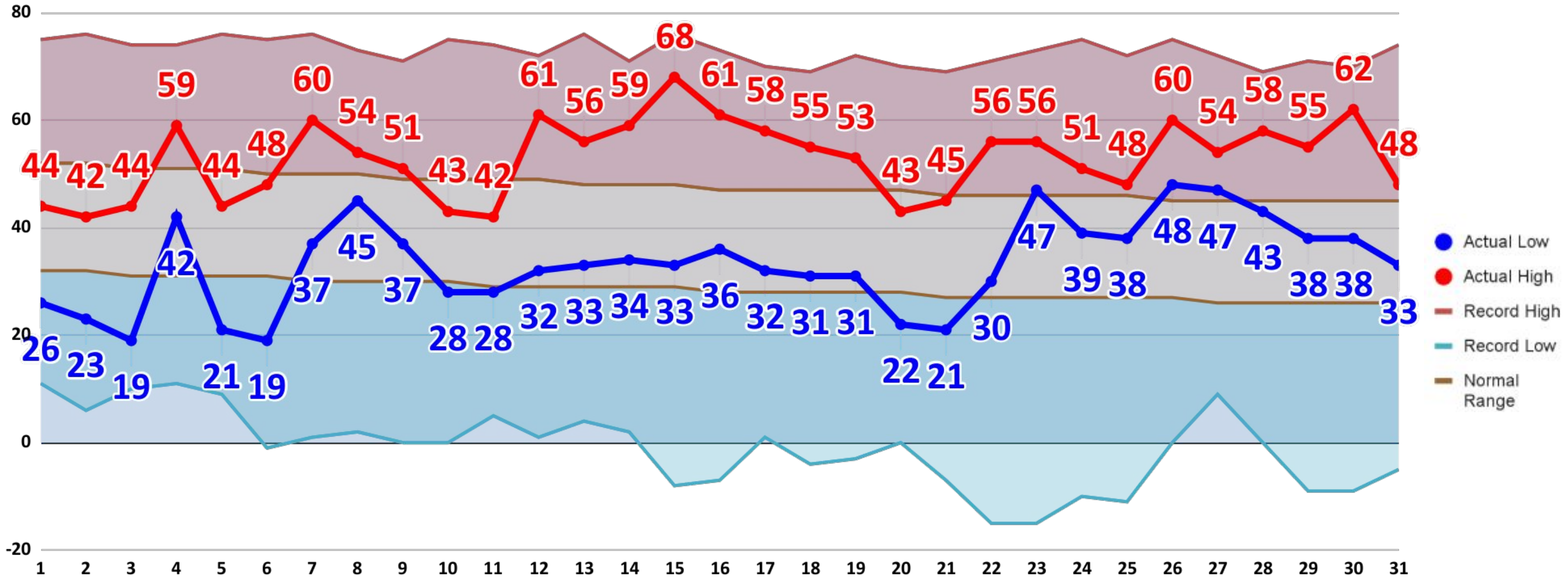




Monthly Climate Summary

Joplin Temperature Chart

Joplin Temperatures December 2024

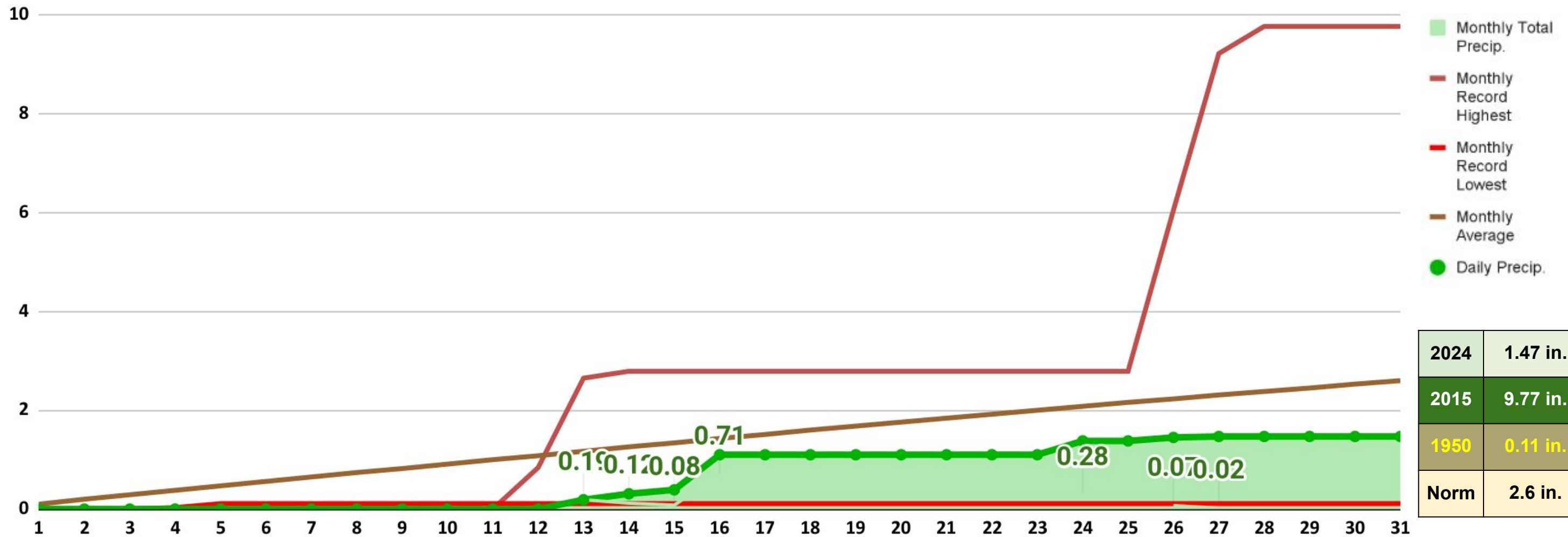




Monthly Climate Summary

Joplin Precipitation Chart

Joplin Precipitation December 2024



2024	1.47 in.
2015	9.77 in.
1950	0.11 in.
Norm	2.6 in.

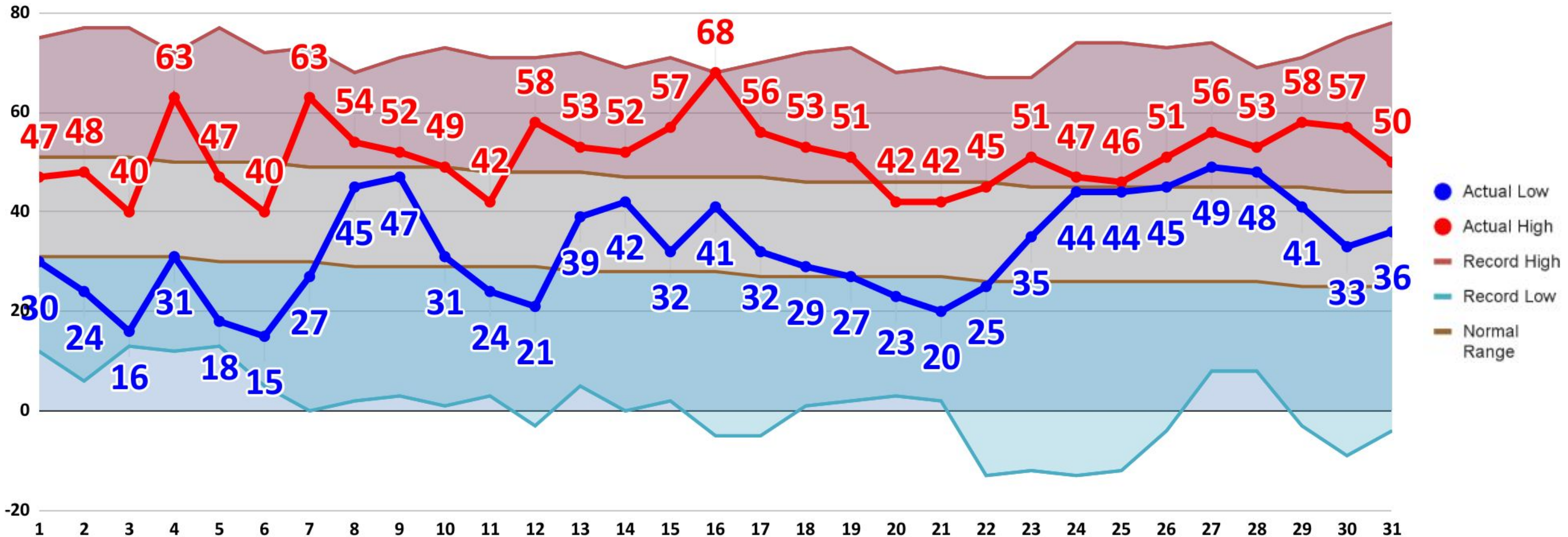




Monthly Climate Summary

West Plains Temperature Chart

West Plains Temperatures December 2024

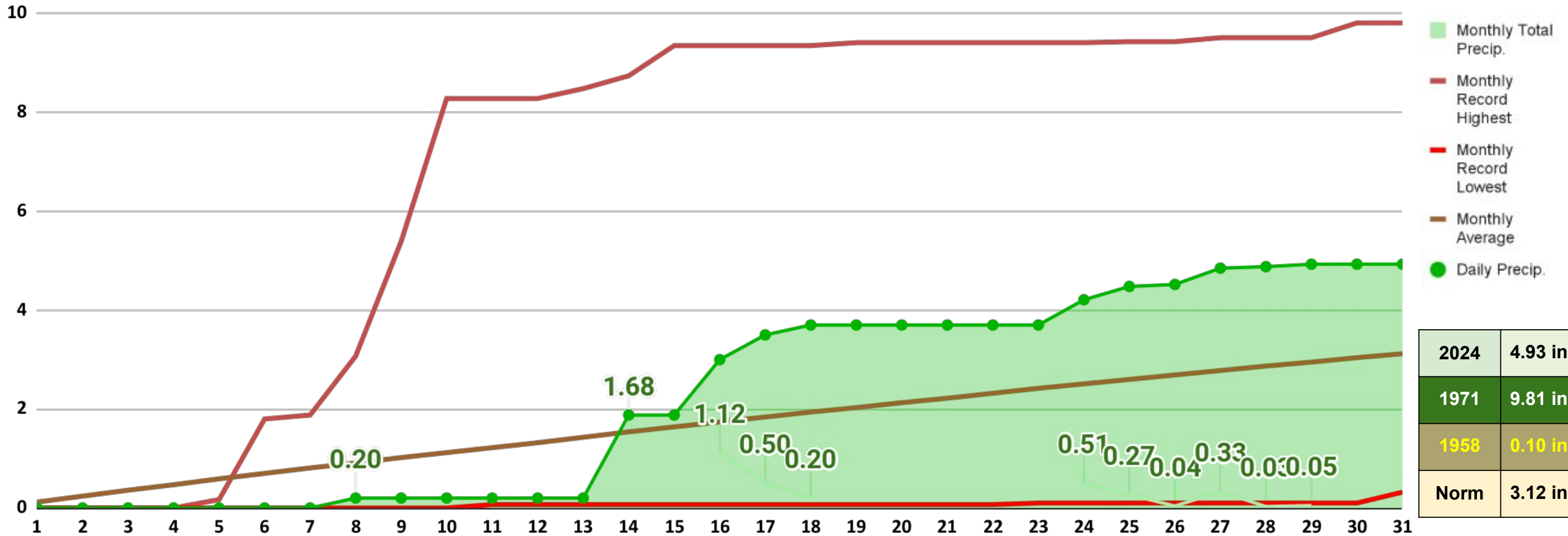




Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation December 2024

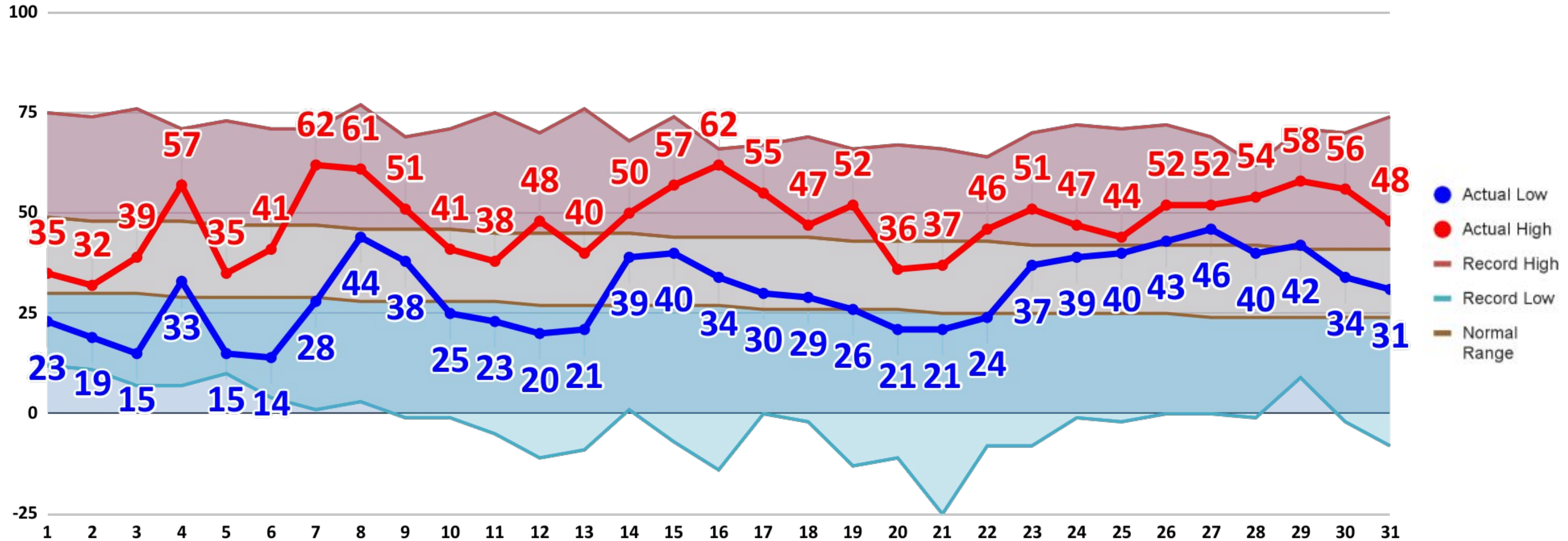




Monthly Climate Summary

Rolla / Vichy Temperature Chart

Rolla / Vichy Temperatures December 2024

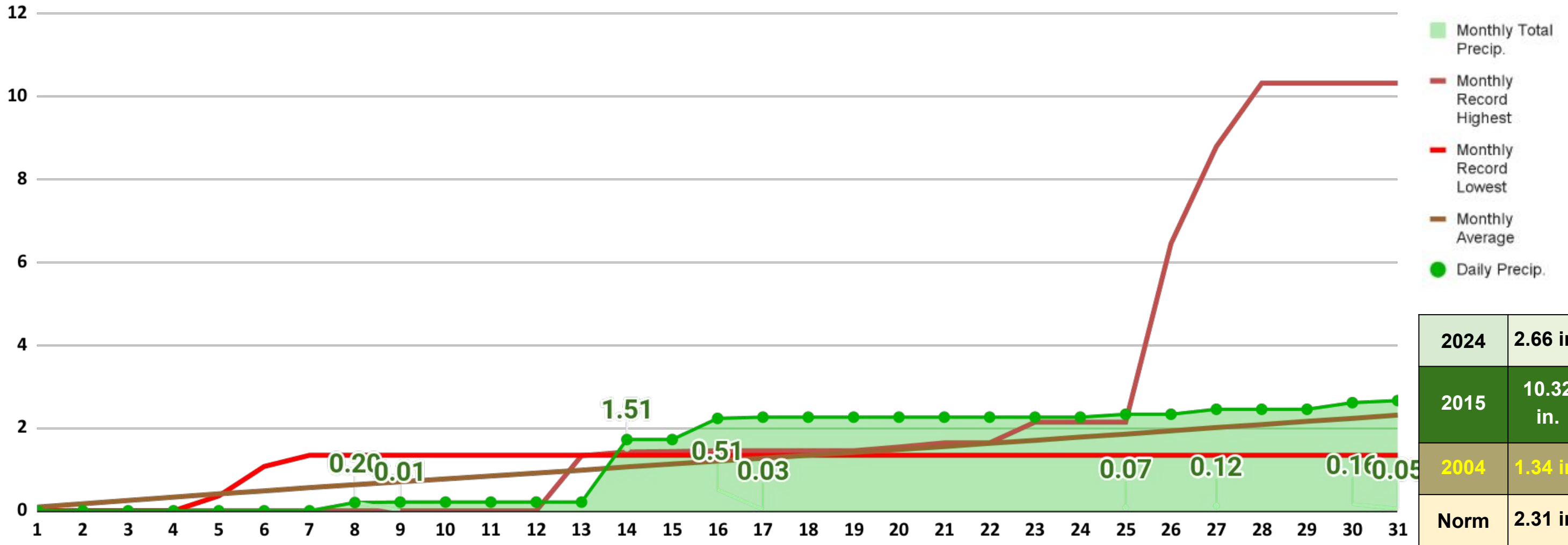




Monthly Climate Summary

Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation December 2024



2024	2.66 in.
2015	10.32 in.
2004	1.34 in.
Norm	2.31 in.



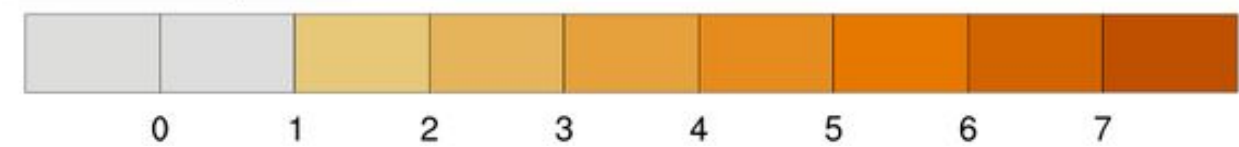
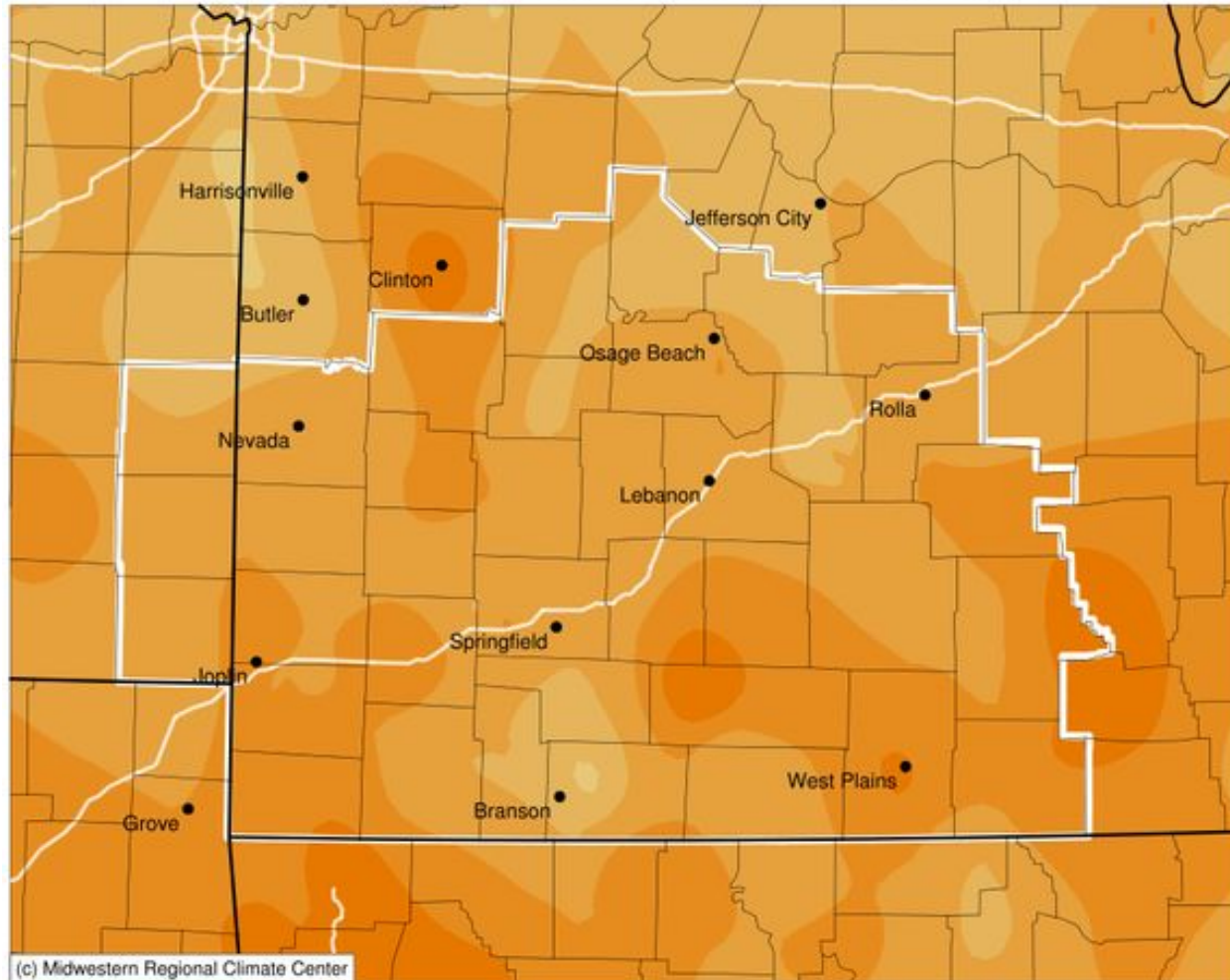


Monthly Climate Summary

December 2024 Monthly Departure Maps

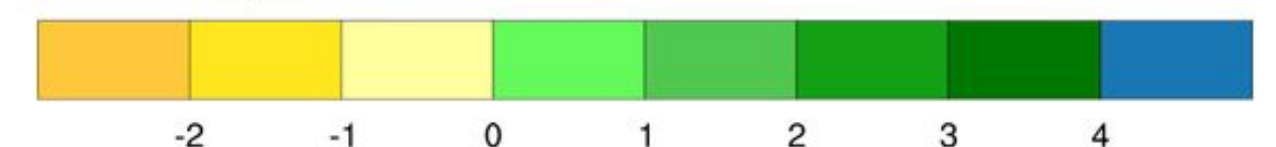
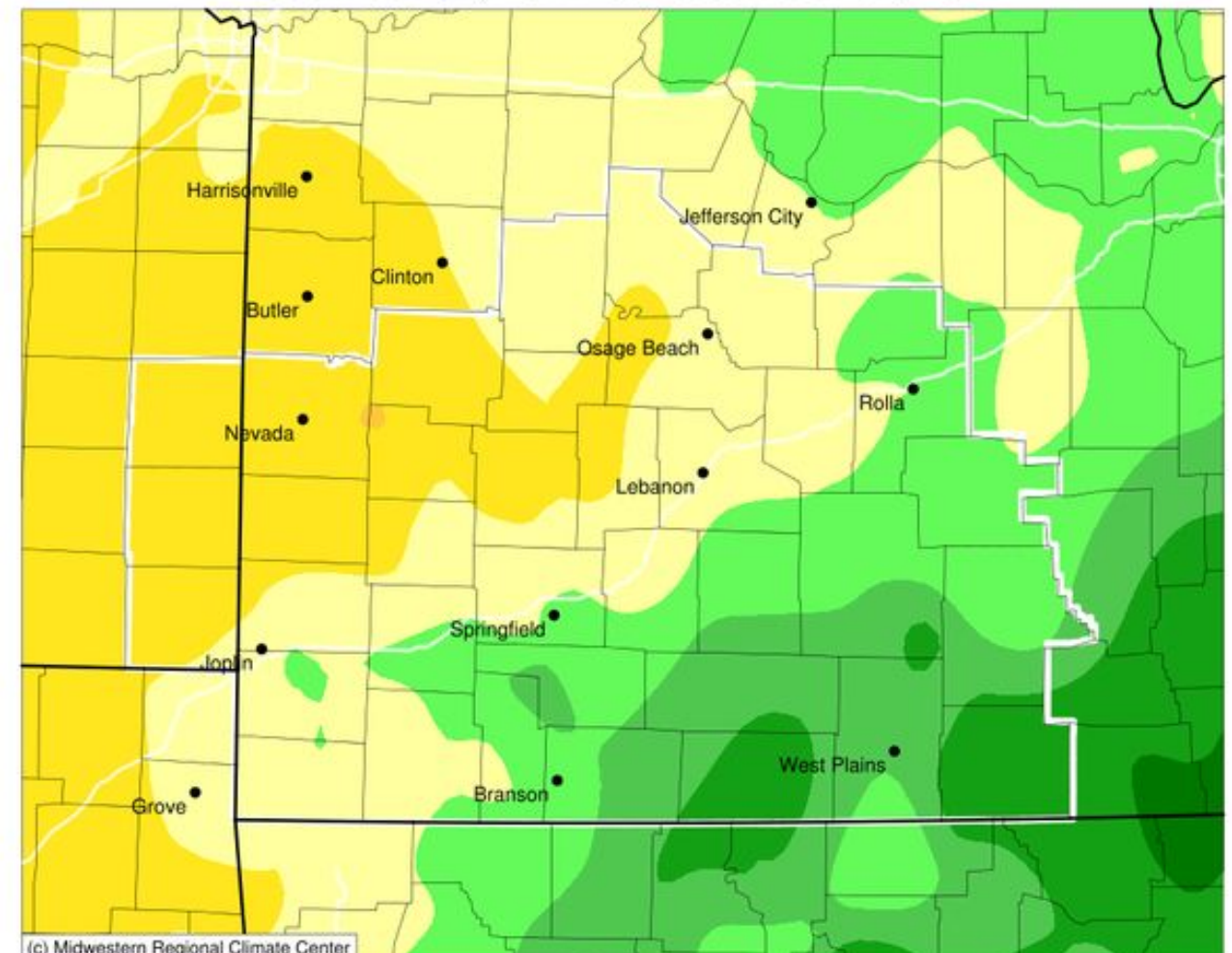
Average Temperature (°F): Departure from 1991-2020 Normals

December 01, 2024 to December 31, 2024



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

December 01, 2024 to December 31, 2024





Monthly Climate Summary

December 2024 - Records for the Month

List of December 2024 Records

Date	Station	Record
Dec 14	West Plains	Record rainfall of 1.68 inches broke the previous record of 1.40 inches set in 1967.
Dec 16	West Plains	Record high of 68 degrees tied the old record set in 1984.





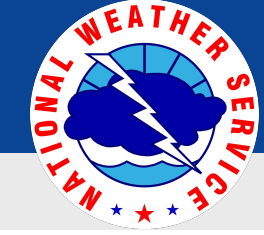
Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
January	44.3	24.2	2.54	4.4
February	49.5	28.0	2.4	2.0
March	58.9	36.2	3.51	3.3
Joplin				
Month	High	Low	Precip.	
January	44.8	25.0	1.92	
February	50.0	28.7	1.98	
March	59.8	37.4	3.29	

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
January	44.4	24.6	2.63
February	49.6	28.2	3.11
March	59.0	36.1	4.41
Rolla / Vichy			
Month	High	Low	Precip.
January	40.8	22.4	2.22
February	45.9	26.3	2.06
March	56.3	34.9	3.40



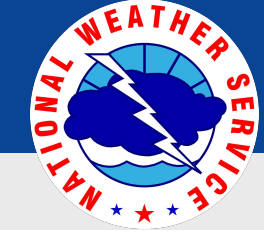


Monthly Climate Summary

December 2024 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
12/1/2024	44	26	35.0	-6.2	0	0	0
12/2/2024	43	22	32.5	-8.4	0	0	0
12/3/2024	42	17	29.5	-11.1	0	0	0
12/4/2024	57	34	45.5	5.2	0	0	0
12/5/2024	42	19	30.5	-9.5	0	0	0
12/6/2024	48	16	32.0	-7.7	0	0	0
12/7/2024	62	29	45.5	6.1	0	0	0
12/8/2024	56	45	50.5	11.4	0.02	0	0
12/9/2024	51	38	44.5	5.6	T	0	0
12/10/2024	41	27	34.0	-4.6	0	0	0
12/11/2024	39	23	31.0	-7.3	0	0	0
12/12/2024	60	26	43.0	4.9	0	0	0
12/13/2024	54	40	47.0	9.2	0	0	0
12/14/2024	58	35	46.5	8.9	0.77	0	0
12/15/2024	63	29	46.0	8.6	T	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
12/16/2024	60	33	46.5	9.4	1.13	0	0
12/17/2024	54	30	42	5.1	0	0	0
12/18/2024	49	27	38	1.3	T	0	0
12/19/2024	54	27	40.5	4	0	0	0
12/20/2024	43	22	32.5	-3.8	0	0	0
12/21/2024	42	17	29.5	-6.6	0	0	0
12/22/2024	48	27	37.5	1.6	0	0	0
12/23/2024	51	39	45	9.3	T	0	0
12/24/2024	50	40	45	9.5	0.21	0	0
12/25/2024	47	40	43.5	8.1	0.02	0	0
12/26/2024	53	46	49.5	14.3	0	0	0
12/27/2024	53	42	47.5	12.4	0.14	0	0
12/28/2024	55	42	48.5	13.6	0	0	0
12/29/2024	54	38	46	11.2	T	0	0
12/30/2024	61	35	48	13.3	0	0	0
12/31/2024	47	31	39	4.4	T	0	0



Monthly Climate Summary

December 2024 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
12/1/2024	44	26	35.0	-7.1	0.00
12/2/2024	42	23	32.5	-9.2	0.00
12/3/2024	44	19	31.5	-9.9	0.00
12/4/2024	59	42	50.5	9.4	0.00
12/5/2024	44	21	32.5	-8.3	0.00
12/6/2024	48	19	33.5	-7.0	0.00
12/7/2024	60	37	48.5	8.3	0.00
12/8/2024	54	45	49.5	9.6	T
12/9/2024	51	37	44.0	4.4	T
12/10/2024	43	28	35.5	-3.9	0.00
12/11/2024	42	28	35.0	-4.1	0.00
12/12/2024	61	32	46.5	7.7	0.00
12/13/2024	56	33	44.5	5.9	0.19
12/14/2024	59	34	46.5	8.2	0.12
12/15/2024	68	33	50.5	12.4	0.08

Date	Max	Min	Avg.	Depart	Precip.
12/16/2024	61	36	48.5	10.6	0.71
12/17/2024	58	32	45.0	7.4	T
12/18/2024	55	31	43.0	5.6	0.00
12/19/2024	53	31	42.0	4.8	0.00
12/20/2024	43	22	32.5	-4.5	0.00
12/21/2024	45	21	33.0	-3.8	0.00
12/22/2024	56	30	43.0	6.4	0.00
12/23/2024	56	47	51.5	15.1	T
12/24/2024	51	39	45.0	8.7	0.28
12/25/2024	48	38	43.0	6.9	T
12/26/2024	60	48	54.0	18.0	0.07
12/27/2024	54	47	50.5	14.7	0.02
12/28/2024	58	43	50.5	14.8	0.00
12/29/2024	55	38	46.5	11.0	0.00
12/30/2024	62	38	50.0	14.6	0.00
12/31/2024	48	33	40.5	5.2	0.00

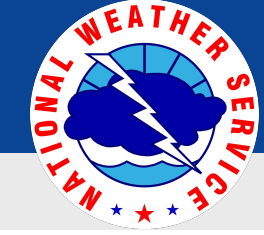


Monthly Climate Summary

December 2024 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
12/1/2024	47	30	38.5	-2.8	0.00
12/2/2024	48	24	36.0	-5.0	0.00
12/3/2024	40	16	28.0	-12.7	0.00
12/4/2024	63	31	47.0	6.6	0.00
12/5/2024	47	18	32.5	-7.6	0.00
12/6/2024	40	15	27.5	-12.3	0.00
12/7/2024	63	27	45.0	5.5	0.00
12/8/2024	54	45	49.5	10.3	0.20
12/9/2024	52	47	49.5	10.5	M
12/10/2024	49	31	40.0	1.3	0.00
12/11/2024	42	24	33.0	-5.4	0.00
12/12/2024	58	21	39.5	1.3	0.00
12/13/2024	53	39	46.0	8.1	0.00
12/14/2024	52	42	47.0	9.3	1.68
12/15/2024	57	32	44.5	7.0	T

Date	Max	Min	Avg.	Depart	Precip.
12/16/2024	68	41	54.5	17.3	1.12
12/17/2024	56	32	44.0	7.0	0.50
12/18/2024	53	29	41.0	4.2	0.20
12/19/2024	51	27	39.0	2.4	0.00
12/20/2024	42	23	32.5	-3.9	0.00
12/21/2024	42	20	31.0	-5.2	M
12/22/2024	45	25	35.0	-1.0	0.00
12/23/2024	51	35	43.0	7.2	T
12/24/2024	47	44	45.5	9.8	0.51
12/25/2024	46	44	45.0	9.5	0.27
12/26/2024	51	45	48.0	12.7	0.04
12/27/2024	56	49	52.5	17.3	0.33
12/28/2024	53	48	50.5	15.5	0.03
12/29/2024	58	41	49.5	14.6	0.05
12/30/2024	57	33	45.0	10.2	T
12/31/2024	50	36	43.0	8.3	T

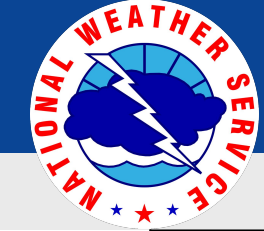


Monthly Climate Summary

December 2024 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
12/1/2024	35	23	29.0	-10.3	0.00
12/2/2024	32	19	25.5	-13.5	T
12/3/2024	39	15	27.0	-11.7	0.00
12/4/2024	57	33	45.0	6.6	0.00
12/5/2024	35	15	25.0	-13.1	0.00
12/6/2024	41	14	27.5	-10.3	0.00
12/7/2024	62	28	45.0	7.5	0.00
12/8/2024	61	44	52.5	15.2	0.20
12/9/2024	51	38	44.5	7.5	0.01
12/10/2024	41	25	33.0	-3.7	0.00
12/11/2024	38	23	30.5	-6.0	T
12/12/2024	48	20	34.0	-2.2	0.00
12/13/2024	40	21	30.5	-5.4	0.00
12/14/2024	50	39	44.5	8.8	1.51
12/15/2024	57	40	48.5	13.0	0.00

Date	Max	Min	Avg.	Depart	Precip.
12/16/2024	62	34	48.0	12.8	0.51
12/17/2024	55	30	42.5	7.5	0.03
12/18/2024	47	29	38.0	3.2	0.00
12/19/2024	52	26	39.0	4.4	0.00
12/20/2024	36	21	28.5	-5.8	0.00
12/21/2024	37	21	29.0	-5.1	0.00
12/22/2024	46	24	35.0	1.1	0.00
12/23/2024	51	37	44.0	10.3	0.00
12/24/2024	47	39	43.0	9.4	T
12/25/2024	44	40	42.0	8.6	0.07
12/26/2024	52	43	47.5	14.3	T
12/27/2024	52	46	49.0	16.0	0.12
12/28/2024	54	40	47.0	14.2	0.00
12/29/2024	58	42	50.0	17.3	0.00
12/30/2024	56	34	45.0	12.5	0.16
12/31/2024	48	31	39.5	7.1	0.05



Monthly Climate Summary

December 2024 Precipitation

Station	Amount
ALTON	6.30
WEST PLAINS 10.6 S	5.87
WEST PLAINS 2.2 NNW	5.81
SUMMERSVILLE 3.6 S	5.81
ALTON 1.7 NNW	5.75
TECUMSEH 1W	5.71
MOUNTAIN GROVE 14.0 S	5.36
WEST PLAINS 1.5 NW	5.35
WINONA 3 SW	5.26
MOUNTAIN VIEW 7.9 W	5.20
WEST PLAINS 8.8 E	5.14
WEST PLAINS MUNICIPAL A	4.93
MOUNTAIN VIEW 7.0 NE	4.91
WASOLA 5N	4.88
HARTVILLE 0.5 SSE	4.68
MANSFIELD 3.7 SSE	4.66
TECUMSEH 2.2 SE	4.58

Station	Amount
WEST PLAINS	4.48
CLEVER 7.2 SE	4.35
GAINESVILLE 6.2 ENE	4.34
NORWOOD 10.6 S - FSA	4.33
HOUSTON 1.1 NE	4.33
BILLINGS 1SW	4.03
RAYMONDVILLE 3.5 SE	3.93
NIXA 2.7 SSW	3.88
BATTLEFIELD 3.3 E	3.86
BRANSON 3.2 NNW	3.83
HOUSTON 5.0 SE	3.83
TANEYVILLE 3.9 NNE	3.79
OZARK BEACH 2 NNE	3.73
EMINENCE 4.7 ESE	3.65
CLEVER 4.0 ENE	3.61
HARTVILLE	3.53
HOUSTON 4.5 ESE	3.49

Station	Amount
LICKING 4N	3.37
SALEM 14.9 E	3.35
REPUBLIC 0.8 ESE	3.34
SPRINGFIELD 2.6 ESE	3.33
ROLLA 2.2 SSE	3.33
MOUNTAIN GROVE 13.0 NNW	3.32
HARTVILLE 3.8 WNW	3.32
MOUNT VERNON 0.2 E	3.31
CRANE 0.3 SW	3.31
BRANSON AIRPORT	3.31
SPRINGFIELD 4.0 SW	3.30
SPRINGFIELD 1.0 SSE	3.30
ROUND SPRING 2SW	3.29
EMERALD BEACH 5.5 E	3.26
THEODOSIA 13.9 NE	3.26
PIERCE CITY 5.0 NE	3.25
SPRINGFIELD 0.7 ENE	3.23



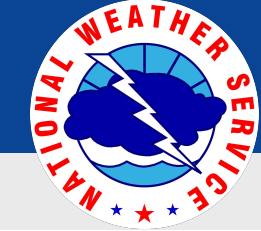
Monthly Climate Summary

December 2024 Precipitation

Report Station	Amount
BRANSON 3.8 E	3.23
CRANE 0.7 SSW	3.22
ANDERSON 3W	3.21
KIMBERLING CITY 1.5 WNW	3.21
SALEM 3.5 E	3.21
HOUSTON 2.0 S	3.19
CASSVILLE 1 NE	3.15
STELLA 2.8 SW	3.14
ROLLA 3.2 SSW	3.13
ANDERSON 7.5 WSW	3.06
SALEM 1.8 NW	3.06
CARTHAGE 3.8 SW	3.04
ROLLA 8.2 SSE	3.04
HOLLISTER 3.8 SW	3.03
FORT LEONARD WOOD	3.02
ANDERSON 4.2 W	3.01
ANDERSON 6.8 W	2.99

Station	Amount
CARTHAGE 1.5 S	2.98
ST. JAMES 10.1 SSE	2.97
MOUNT VERNON 1.3 NNW	2.96
ROLLA 8.1 S	2.94
ROLLA 8.1 SSE	2.94
ROLLA 2.2 S	2.92
PURDY 4.8 SSW	2.88
SALEM 10 W	2.84
DIXON 5.2 NE	2.82
SALEM 5.0 WNW	2.81
FAIR GROVE 4.7 SSW	2.78
CAPE FAIR 2.1 N	2.76
DIAMOND 2W	2.75
ROLLA 1.6 ENE	2.75
SHELL KNOB 5.6 ESE	2.74
NEWBURG 9.6 SSW	2.74
STRAFFORD 2.7 SW	2.73

Station	Amount
ROLLA 3.7 WNW	2.73
HOUSTON	2.71
ROLLA 1.3 NE	2.68
ROLLA MISSOURI S&T	2.67
VICHY ROLLA NATL AP	2.66
STARK CITY 5.5 ENE	2.65
WAYNESVILLE 2 W	2.65
GREENFIELD 3.1 ENE	2.63
CARTHAGE 4.5 E	2.62
CASSVILLE 4.8 SSE	2.61
ST. JAMES 1.2 SE	2.61
ST. JAMES 7.4 NNE	2.59
ROLLA 7.6 SSE	2.59
WAYNESVILLE 3.5 WSW	2.57
FORT LEONARD WOOD 5.4 S	2.57
ROLLA 4.4 WSW	2.56
WILLARD 3.4 SW	2.54



Monthly Climate Summary

December 2024 Precipitation

Station	Amount
ROLLA 0.9 SE	2.52
ROLLA 6.4 NNW	2.51
MARSHFIELD 4 WSW	2.50
SPRINGFIELD WFO	2.48
ROLLA 2.8 S	2.48
AURORA 2.7 S	2.47
ROLLA 3.4 NW	2.47
SHOAL CREEK ESTATES 0.2	2.46
JOPLIN 1.3 NW	2.41
MARSHFIELD 1.4 W	2.41
ROLLA 1.3 S	2.34
NEOSHO 2.0 NNW	2.32
NEOSHO 3.9 WNW	2.31
SPRINGFIELD WSO AP	2.29
LEBANON 0.6 N	2.28
WILLARD 2.6 W	2.26
LEBANON 1.3 E	2.25

Station	Amount
MILLER	2.17
ASH GROVE 4S	2.16
ROCKY COMFORT 0.8 S	2.14
BUFFALO 1.0 SW	2.12
WALNUT GROVE 6.0 ESE	2.11
PHILLIPSBURG 5.0 NW	2.08
LEBANON 6.3 N	2.02
BRUMLEY 5.6 SW	2.02
OAKLAND PARK 0.6 ESE	2.00
HALLTOWN 5NW	2.00
ELDON	2.00
ASH GROVE 0.4 SSW	1.97
STOCKTON DAM	1.96
WALNUT GROVE 5.2 SE	1.96
MONETT 4SW	1.95
IBERIA	1.95
MONETT 1.8 N	1.86

Station	Amount
WILLARD 5.8 NNE	1.81
MARSHFIELD 3.7 SE	1.80
WALNUT GROVE 5.8 NNW	1.78
KAISER LAKE OZARKS LEE	1.76
ALDRICH 5.0 ESE	1.74
MYRTLE 2.5 WNW	1.74
MARSHFIELD 0.9 SE	1.71
GREENFIELD 0.8 SSW	1.68
COLE CAMP 0.4 SE	1.66
GREENFIELD 2.9 WSW	1.62
GOODSON 0.5 NNW	1.62
VERSAILLES	1.61
HALF WAY 0.8 WNW	1.58
LINCOLN 0.4 NNE	1.57
CARL JUNCTION 3.1 WSW	1.55
WARSAW 3.8 NNE	1.51
BOLIVAR 1.0 ENE	1.49

Station	Amount
STOVER 2.3 NW	1.49
JOPLIN REGIONAL AIRPORT	1.47
BROOKLINE 2.3 NNW	1.47
BOLIVAR 9.0 N	1.47
MORRISVILLE 2SW	1.43
COLE CAMP 3NW	1.42
LAKESIDE	1.42
GREENFIELD 2SE	1.40
BOLIVAR 1 NE	1.39
LOCKWOOD	1.33
POMME DE TERRE DAM	1.31
SPRINGFIELD 5.5 SSW	1.30
GRAVOIS MILLS 8.4 S	1.27
URBANA 2.7 NNE	1.22
VERSAILLES 2.7 E	1.17
FAIR PLAY 1.3 E	1.15
BUFFALO 2N	1.08



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.*