

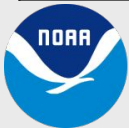


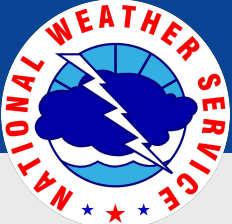
Monthly Climate Summary

December 2023 Overview

Monthly Climate Overview - December 2023

Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	67	68	64	67
Average Max. Temperature	52.0	53.2	52.7	51.2
Minimum Temperature	20	22	18	14
Average Min. Temperature	34	34.9	34.0	33.9
Average Mean Temperature	43.0	44	43.4	42.6
Departure from Normal	+5.6	+5.9	5.9	7.2
Temperature Rank	7th warmest / 136	6th warmest / 96	3rd warmest / 76	3rd warmest / 74
Days of 90 degrees or warmer	0	0	0	0
# of Days of Highs of 32 or lower	0	0	0	0
# of Days of Lows of 32 or lower	14	18	13	13
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	1.12	2.43	1.67	1.70
Departure from Normal	-1.49	-0.17	-1.45	-0.61
Precipitation Rank	26th driest / 136	42nd wettest / 113	17th driest / 76	32nd driest / 75
Days of 0.01" or more	10	7	10	13
Days of 0.10" or more	4	5	3	7
Days of 0.50" or more	0	2	1	0
Days of 1.00" or more	0	1	0	0
Monthly Snowfall	1			

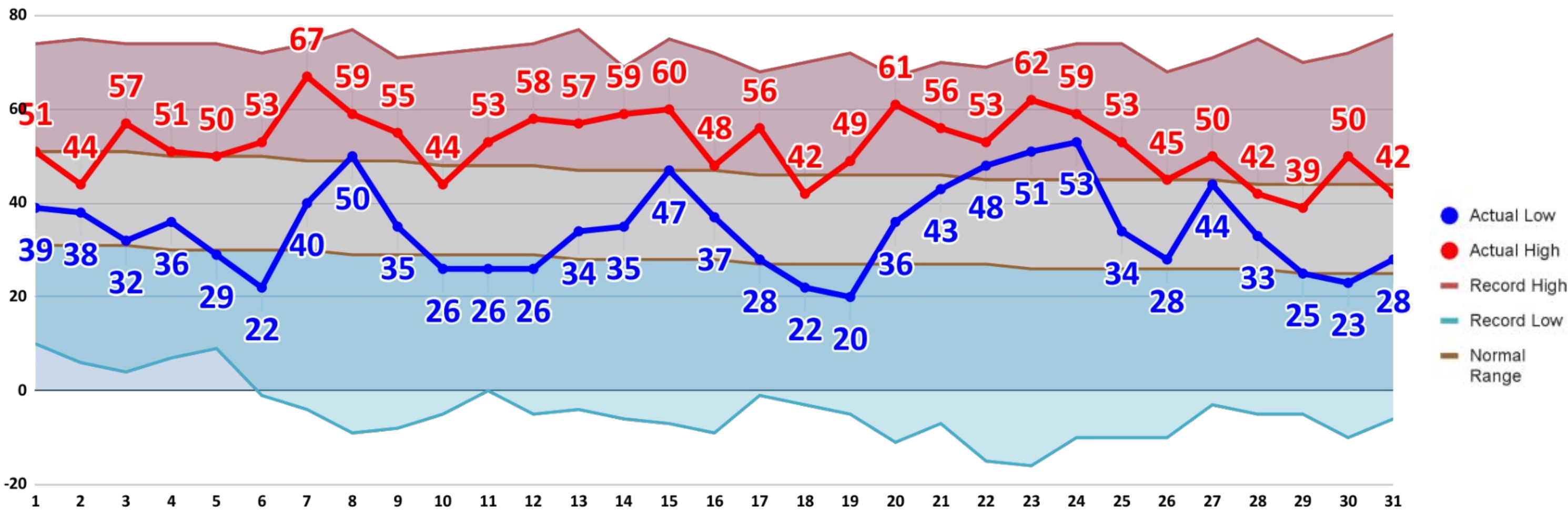


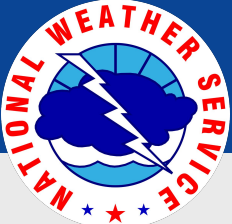


Monthly Climate Summary

Springfield Temperature Chart

Springfield Temperatures December 2023

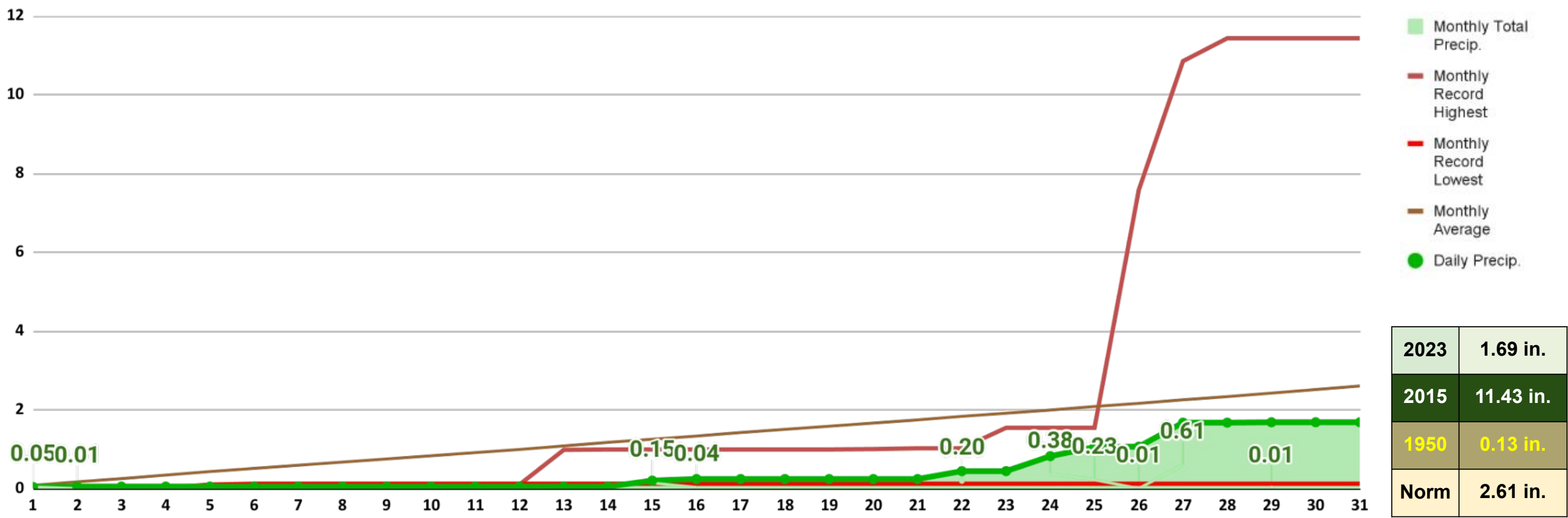


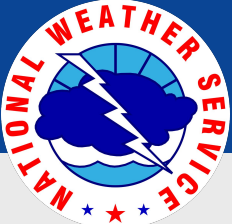


Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation December 2023

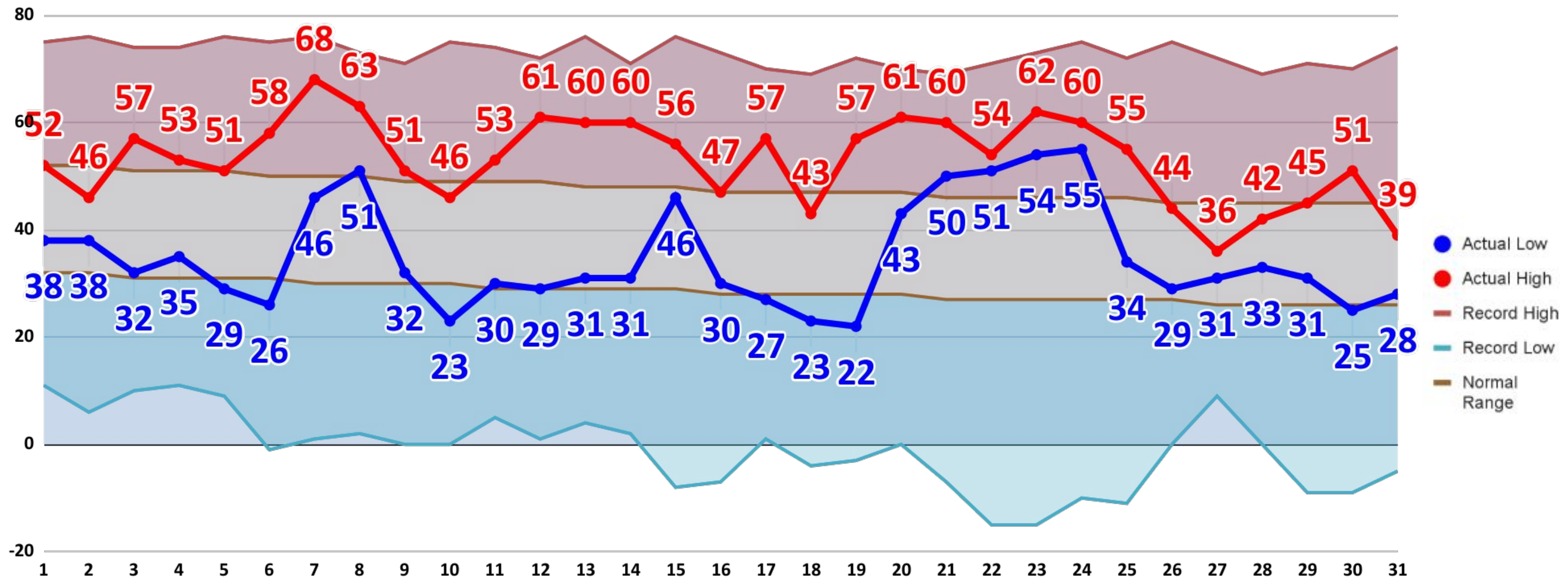


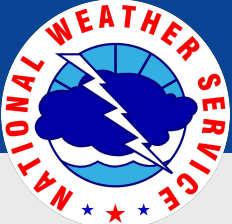


Monthly Climate Summary

Joplin Temperature Chart

Joplin Temperatures December 2023

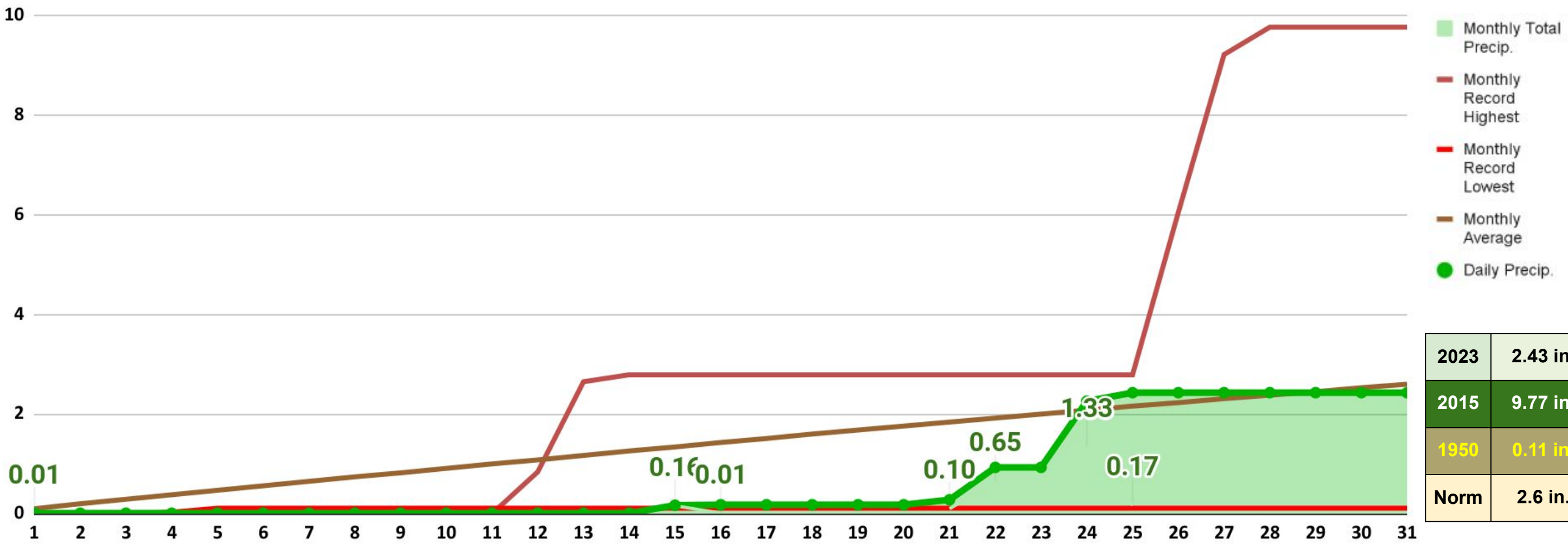




Monthly Climate Summary

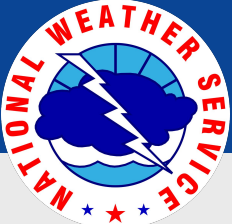
Joplin Precipitation Chart

Joplin Precipitation December 2023



2023	2.43 in.
2015	9.77 in.
1950	0.11 in.
Norm	2.6 in.

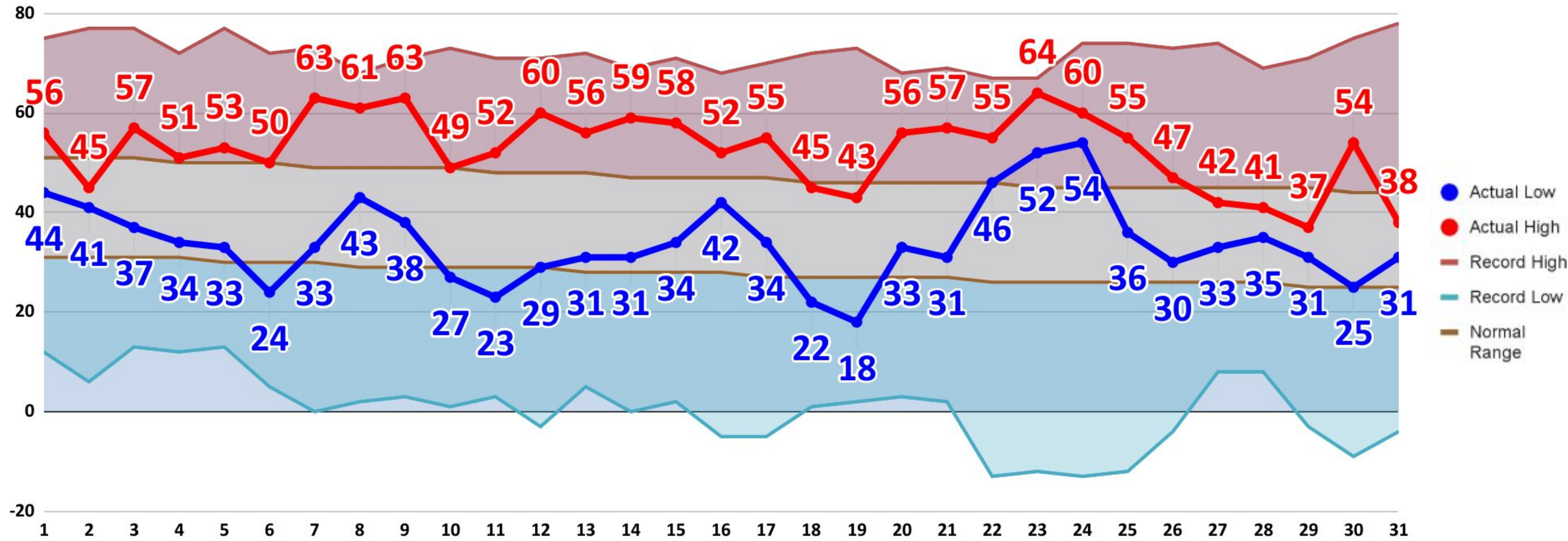


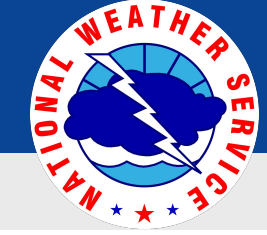


Monthly Climate Summary

West Plains Temperature Chart

West Plains Temperatures December 2023

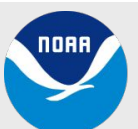
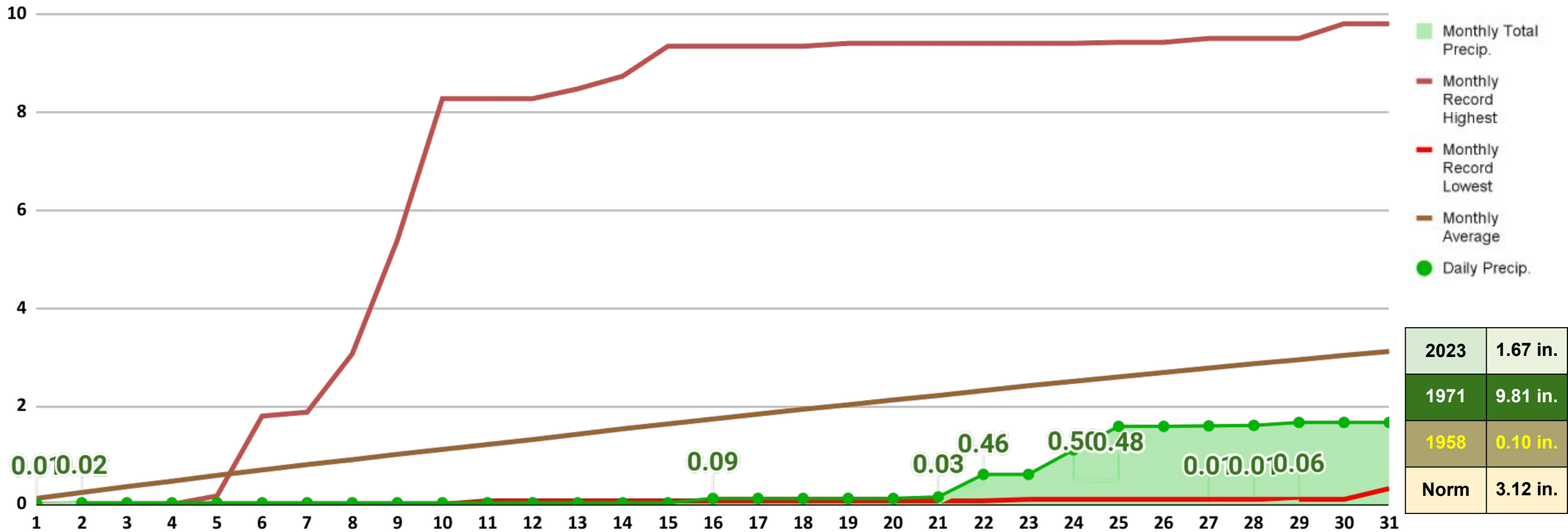


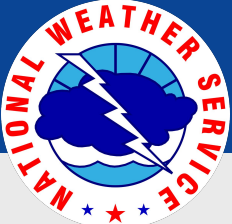


Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation December 2023

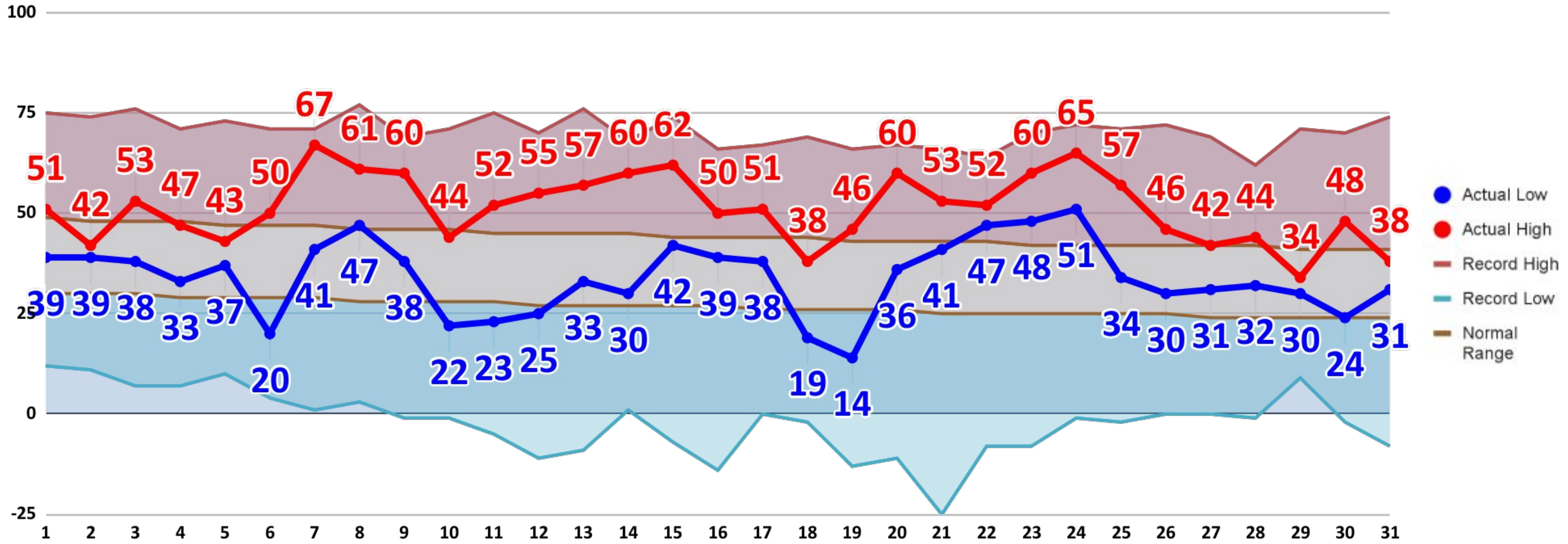


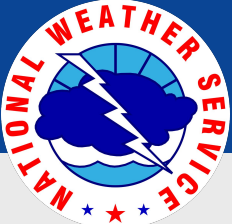


Monthly Climate Summary

Rolla / Vichy Temperature Chart

Rolla / Vichy Temperatures December 2023

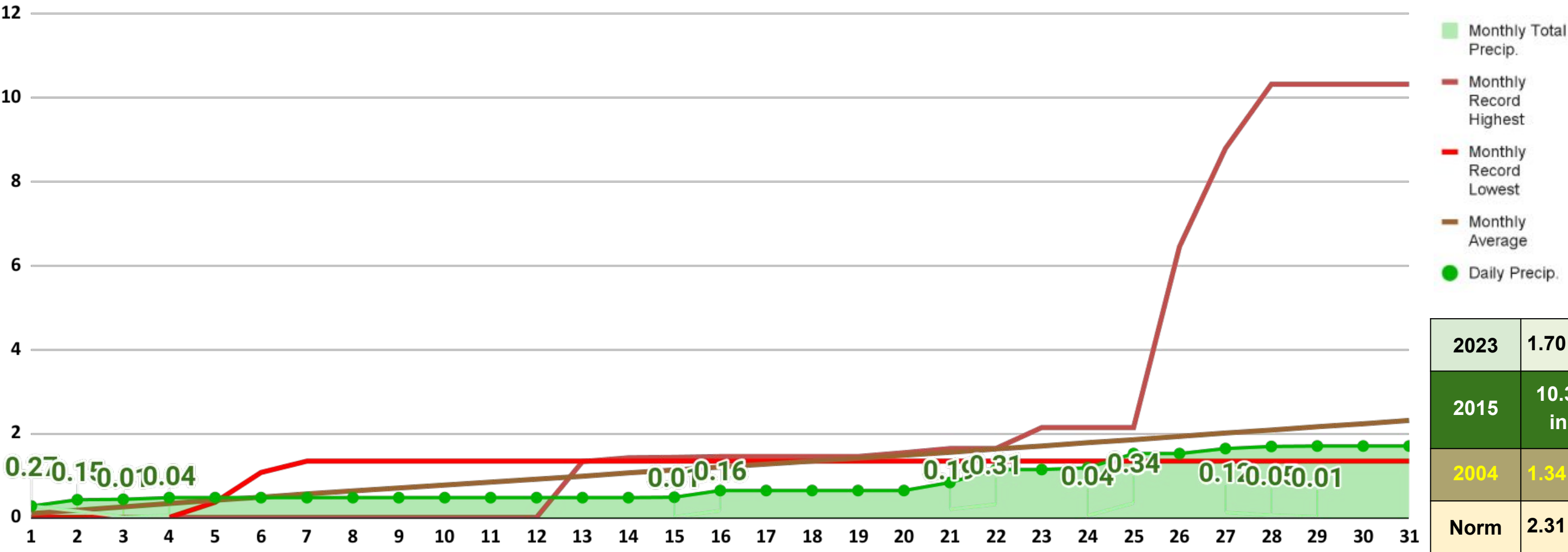


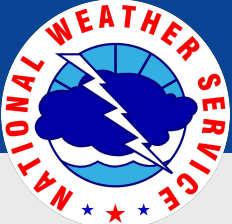


Monthly Climate Summary

Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation December 2023

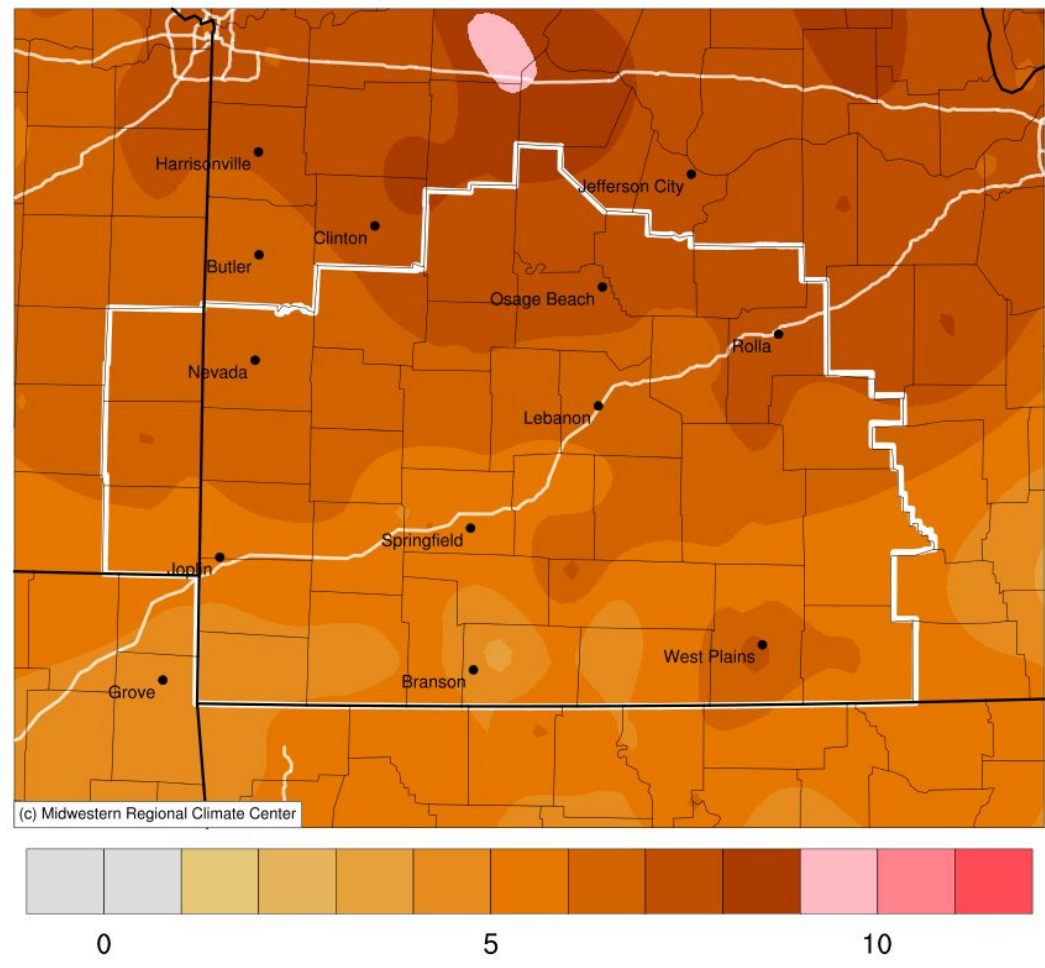




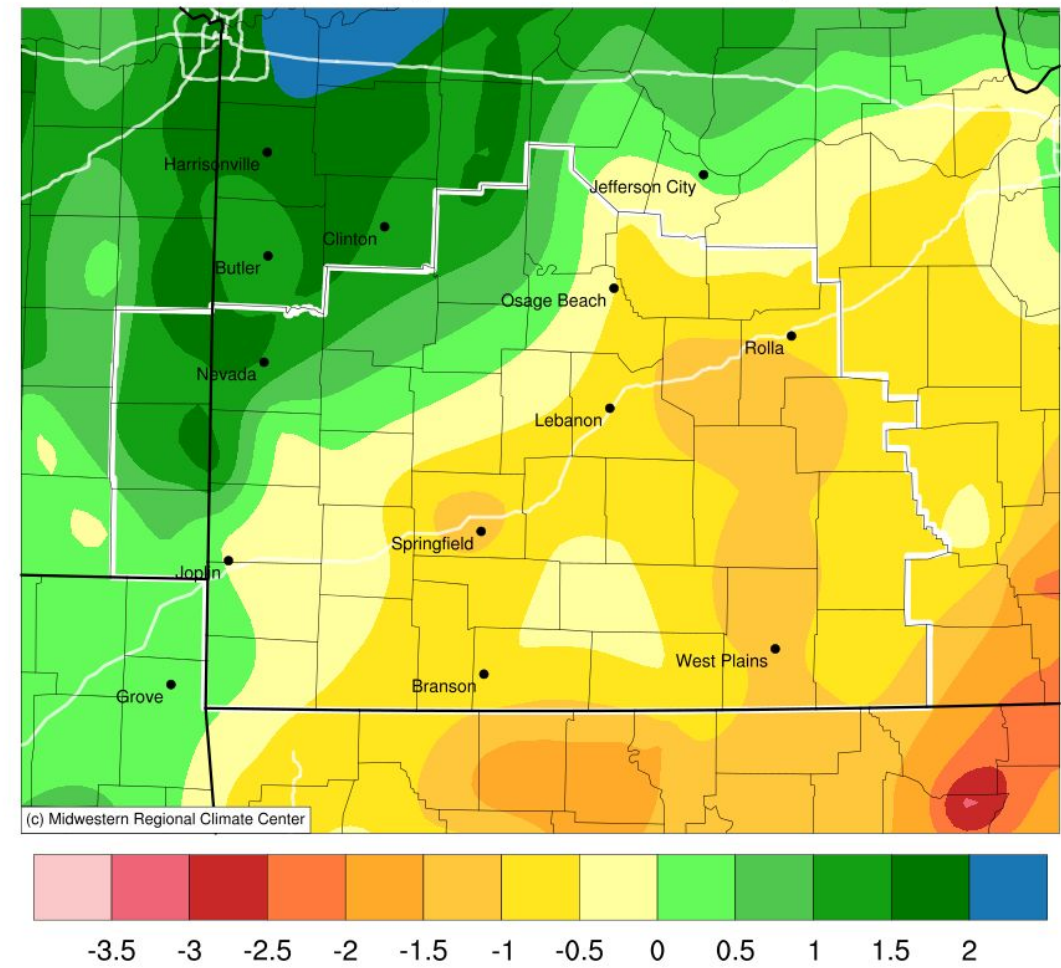
Monthly Climate Summary

December 2023 - Monthly Departure Maps

Average Temperature (°F): Departure from 1991-2020 Normals
December 01, 2023 to December 31, 2023



Accumulated Precipitation (in): Departure from 1991-2020 Normals
December 01, 2023 to December 31, 2023





Monthly Climate Summary

December 2023 - Records for the month

List of December 2023 Records		
Date	Station	Record
No Records for the month of December 2023		





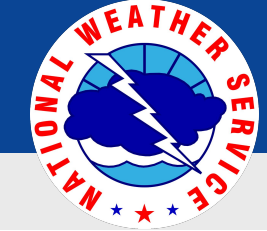
Monthly Climate Summary

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



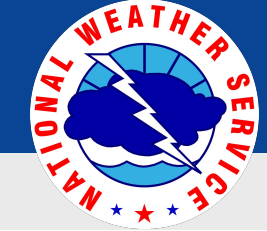


Monthly Climate Summary

December 2023 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
12/1/2023	51	39	45.0	3.8	0.05	0	0
12/2/2023	44	38	41.0	0.1	0.01	0	0
12/3/2023	57	32	44.5	3.9	0	0	0
12/4/2023	51	36	43.5	3.2	0	0	0
12/5/2023	50	29	39.5	-0.5	0	0	0
12/6/2023	53	22	37.5	-2.2	0	0	0
12/7/2023	67	40	53.5	14.1	0	0	0
12/8/2023	59	50	54.5	15.4	0	0	0
12/9/2023	55	35	45.0	6.1	0	0	0
12/10/2023	44	26	35.0	-3.6	0	0	0
12/11/2023	53	26	39.5	1.2	0	0	0
12/12/2023	58	26	42.0	3.9	0	0	0
12/13/2023	57	34	45.5	7.7	0	0	0
12/14/2023	59	35	47.0	9.4	0	0	0
12/15/2023	60	47	53.5	16.1	0.15	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
12/16/2023	48	37	42.5	5.4	0.04	0	0
12/17/2023	56	28	42	5.1	0	0	0
12/18/2023	42	22	32	-4.7	0	0	0
12/19/2023	49	20	34.5	-2	0	0	0
12/20/2023	61	36	48.5	12.2	0	0	0
12/21/2023	56	43	49.5	13.4	T	0	0
12/22/2023	53	48	50.5	14.6	0.2	0	0
12/23/2023	62	51	56.5	20.8	T	0	0
12/24/2023	59	53	56	20.5	0.38	0	0
12/25/2023	53	34	43.5	8.1	0.23	T	0
12/26/2023	45	28	36.5	1.3	0.01	0	0
12/27/2023	37	31	34	-1.1	0.04	0.2	0
12/28/2023	42	33	37.5	2.6	T	0.1	0
12/29/2023	39	25	32	-2.8	0.01	0.3	T
12/30/2023	50	23	36.5	1.8	0	0	0
12/31/2023	42	28	35	0.4	0	0	0

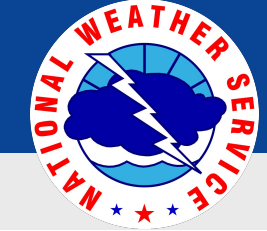


Monthly Climate Summary

December 2023 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
12/1/2023	52	38	45.0	2.9	0.01
12/2/2023	46	38	42.0	0.3	T
12/3/2023	57	32	44.5	3.1	T
12/4/2023	53	35	44.0	2.9	0.00
12/5/2023	51	29	40.0	-0.8	0.00
12/6/2023	58	26	42.0	1.5	0.00
12/7/2023	68	46	57.0	16.8	0.00
12/8/2023	63	51	57.0	17.1	T
12/9/2023	51	32	41.5	1.9	T
12/10/2023	46	23	34.5	-4.9	0.00
12/11/2023	53	30	41.5	2.4	0.00
12/12/2023	61	29	45.0	6.2	0.00
12/13/2023	60	31	45.5	6.9	0.00
12/14/2023	60	31	45.5	7.2	0.00
12/15/2023	56	46	51.0	12.9	0.16

Date	Max	Min	Avg.	Depart	Precip.
12/16/2023	47	30	38.5	0.6	0.01
12/17/2023	57	27	42.0	4.4	0.00
12/18/2023	43	23	33.0	-4.4	0.00
12/19/2023	57	22	39.5	2.3	0.00
12/20/2023	61	43	52.0	15.0	0.00
12/21/2023	60	50	55.0	18.2	0.10
12/22/2023	54	51	52.5	15.9	0.65
12/23/2023	62	54	58.0	21.6	0.00
12/24/2023	60	55	57.5	21.2	1.33
12/25/2023	55	34	44.5	8.4	0.17
12/26/2023	44	29	36.5	0.5	T
12/27/2023	36	31	33.5	-2.3	T
12/28/2023	42	33	37.5	1.8	T
12/29/2023	45	31	38.0	2.5	0.00
12/30/2023	51	25	38.0	2.6	0.00
12/31/2023	39	28	33.5	-1.8	0.00

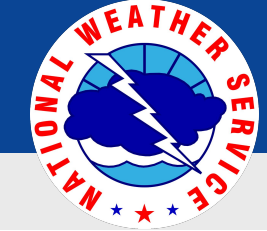


Monthly Climate Summary

December 2023 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
12/1/2023	56	44	50.0	8.7	0.01
12/2/2023	45	41	43.0	2.0	0.02
12/3/2023	57	37	47.0	6.3	0.00
12/4/2023	51	34	42.5	2.1	0.00
12/5/2023	53	33	43.0	2.9	T
12/6/2023	50	24	37.0	-2.8	0.00
12/7/2023	63	33	48.0	8.5	0.00
12/8/2023	61	43	52.0	12.8	0.00
12/9/2023	63	38	50.5	11.5	T
12/10/2023	49	27	38.0	-0.7	0.00
12/11/2023	52	23	37.5	-0.9	0.00
12/12/2023	60	29	44.5	6.3	0.00
12/13/2023	56	31	43.5	5.6	0.00
12/14/2023	59	31	45.0	7.3	0.00
12/15/2023	58	34	46.0	8.5	T

Date	Max	Min	Avg.	Depart	Precip.
12/16/2023	52	42	47.0	9.8	0.09
12/17/2023	55	34	44.5	7.5	0.00
12/18/2023	45	22	33.5	-3.3	0.00
12/19/2023	43	18	30.5	-6.1	0.00
12/20/2023	56	33	44.5	8.1	0.00
12/21/2023	57	31	44.0	7.8	0.03
12/22/2023	55	46	50.5	14.5	0.46
12/23/2023	64	52	58.0	22.2	0.00
12/24/2023	60	54	57.0	21.3	0.50
12/25/2023	55	36	45.5	10.0	0.48
12/26/2023	47	30	38.5	3.2	0.00
12/27/2023	42	33	37.5	2.3	0.01
12/28/2023	41	35	38.0	3.0	0.01
12/29/2023	37	31	34.0	-0.9	0.06
12/30/2023	54	25	39.5	4.7	0.00
12/31/2023	38	31	34.5	-0.2	0.00

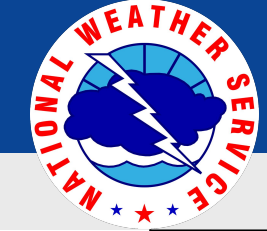


Monthly Climate Summary

December 2023 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
12/1/2023	51	39	45.0	5.7	0.27
12/2/2023	42	39	40.5	1.5	0.15
12/3/2023	53	38	45.5	6.8	0.01
12/4/2023	47	33	40.0	1.6	0.04
12/5/2023	43	37	40.0	1.9	T
12/6/2023	50	20	35.0	-2.8	0.00
12/7/2023	67	41	54.0	16.5	0.00
12/8/2023	61	47	54.0	16.7	T
12/9/2023	60	38	49.0	12.0	T
12/10/2023	44	22	33.0	-3.7	0.00
12/11/2023	52	23	37.5	1.0	0.00
12/12/2023	55	25	40.0	3.8	0.00
12/13/2023	57	33	45.0	9.1	0.00
12/14/2023	60	30	45.0	9.3	0.00
12/15/2023	62	42	52.0	16.5	0.01

Date	Max	Min	Avg.	Depart	Precip.
12/16/2023	50	39	44.5	9.3	0.16
12/17/2023	51	38	44.5	9.5	0.00
12/18/2023	38	19	28.5	-6.3	0.00
12/19/2023	46	14	30.0	-4.6	0.00
12/20/2023	60	36	48.0	13.7	0.00
12/21/2023	53	41	47.0	12.9	0.19
12/22/2023	52	47	49.5	15.6	0.31
12/23/2023	60	48	54.0	20.3	0.00
12/24/2023	65	51	58.0	24.4	0.04
12/25/2023	57	34	45.5	12.1	0.34
12/26/2023	46	30	38.0	4.8	0.00
12/27/2023	42	31	36.5	3.5	0.12
12/28/2023	44	32	38.0	5.2	0.05
12/29/2023	34	30	32.0	-0.7	0.01
12/30/2023	48	24	36.0	3.5	0.00
12/31/2023	38	31	34.5	2.1	0.00



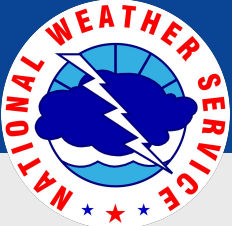
Monthly Climate Summary

December 2023 - Precipitation Report

Station	Amount
ANDERSON 6.8 W	4.62
ANDERSON 4.2 W	4.34
JOPLIN 24 N	4.08
CARL JUNCTION 3.1 WSW	4.05
JOPLIN 1.3 NW	4.05
NEVADA WATER PLANT	4.00
APPLETON CITY	3.99
GIRARD	3.80
FARLINGTON 0.8 NNE	3.75
COLE CAMP 3NW	3.74
DEVON 0.1 SE	3.67
SHOAL CREEK ESTATES 0.2	3.60
STOVER 2.3 NW	3.48
SAVONBURG 4.1 ESE	3.45
WARSAW 3.8 NNE	3.43
OAKLAND PARK 0.6 ESE	3.41
FORT SCOTT	3.41

Station	Amount
NEVADA 6.3 ESE	3.38
CARTHAGE 3.8 SW	3.31
WALNUT 4S	3.26
ANDERSON 3W	3.24
CARTHAGE 4.5 E	3.20
PITTSBURG	3.20
COLUMBUS	3.08
FORT SCOTT 9.3 NNE	3.08
CASSVILLE 4.8 SSE	3.02
GOLDEN CITY 0.6 SSW	3.01
ROCKVILLE 7.9 E	3.01
NEOSHO	3.00
CAPE FAIR 2.1 N	2.97
AVA 6NW	2.95
WASOLA 5N	2.93
COLLINS 5.5 WNW	2.88
PIERCE CITY 5.0 NE	2.85

Station	Amount
MANSFIELD 3.7 SSE	2.71
ALTON	2.71
MCCUNE 1.6 NW	2.70
CLEVER 7.2 SE	2.68
MILLER 9.2 WNW	2.67
SUMMERSVILLE 3.6 S	2.64
STOCKTON 2.5 NNE	2.63
TECUMSEH 1W	2.63
FAIR PLAY 1.3 E	2.61
GREENFIELD 3.1 ENE	2.61
WINONA 3 SW	2.60
CASSVILLE 1 NE	2.59
ROUND SPRING 2SW	2.58
MONETT 4SW	2.55
GREENFIELD 2.9 WSW	2.55
BATTLEFIELD 3.3 E	2.55
DUNNEGAN 2.4 NNW	2.54



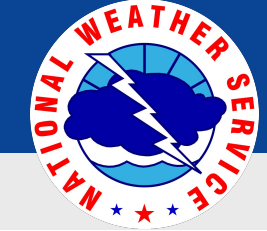
Monthly Climate Summary

December 2023 - Precipitation Report

Station	Amount
MOUNT VERNON 0.2 E	2.52
LOCKWOOD	2.52
OSCEOLA 0.3 SW	2.48
MOUNTAIN VIEW 7.9 W	2.47
VERONA 4.0 WNW	2.46
JOPLIN REGIONAL AIRPORT	2.43
NEOSHO 2.0 NNW	2.43
BRANSON 3.2 NNW	2.43
MANSFIELD	2.40
WEST PLAINS	2.39
OZARK BEACH 2 NNE	2.34
WEST PLAINS 8.8 E	2.34
MARSHFIELD 3.7 SE	2.34
MOUNT VERNON 1.3 NNW	2.31
NIXA 2.7 SSW	2.31
HOLLISTER 3.8 SW	2.31
PURDY 4.8 SSW	2.27

Station	Amount
MOUNTAIN GROVE 2 N	2.27
BILLINGS 1SW	2.26
MORRISVILLE 2SW	2.26
LAMAR 7N	2.25
EMINENCE	2.24
LINCOLN 0.4 NNE	2.21
HARTVILLE	2.21
ASH GROVE 0.4 SSW	2.20
SPRINGFIELD 4.9 SE	2.19
TECUMSEH 2.2 SE	2.19
STARK CITY 5.5 ENE	2.17
MILLER	2.16
Schell-Osage	2.14
WILLARD 2.6 W	2.14
NEVADA 3.4 NE	2.12
HARTVILLE 3.8 WNW	2.12
WALNUT GROVE 5.2 SE	2.12

Station	Amount
IBERIA	2.08
ALDRICH 5.0 ESE	2.07
GOLDEN CITY 6 S	2.06
BRANSON AIRPORT	2.04
MARSHFIELD 4 WSW	2.01
VERSAILLES 2.7 E	2.00
EMERALD BEACH 5.5 E	1.99
TABLE ROCK DAM	1.99
STOCKTON 0.5 W	1.98
WILLARD 5.8 NNE	1.95
STOCKTON 0.2 NW	1.94
HOUSTON	1.94
LICKING 4N	1.93
REPUBLIC 0.8 ESE	1.92
KAISER LAKE OZARKS LEE	1.92
ROLLA 1.3 S	1.92
SPRINGFIELD 1.0 SSE	1.92



Monthly Climate Summary

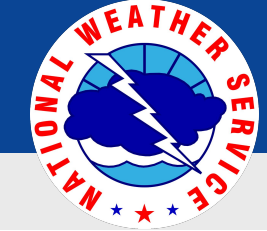
December 2023 - Precipitation Report

Station	Amount
Journagan Ranch	1.91
ROLLA MISSOURI S&T	1.90
URBANA 2.7 NNE	1.89
CRANE 0.7 SSW	1.87
ROLLA 1.6 ENE	1.87
ASH GROVE 4S	1.82
SPRINGFIELD 0.7 ENE	1.82
COLE CAMP 0.4 SE	1.82
HOUSTON 4.5 ESE	1.82
ROLLA 8.2 SSE	1.82
ROLLA 3.2 SSW	1.82
LAMAR 0.3 ESE	1.81
BRUMLEY 5.6 SW	1.79
ELDORADO SPRINGS	1.78
STOCKTON 5.6 S	1.78
FAIR GROVE 4.7 SSW	1.78
ROLLA 8.1 SSE	1.77

Station	Amount
ROLLA 2.8 S	1.77
FLEMINGTON 2.6 S	1.77
FORT LEONARD WOOD	1.76
GRAVOIS MILLS 8.4 S	1.74
Sinkin Forest	1.74
ROLLA 6.4 S	1.73
SALEM 3.5 E	1.73
Twin Pines Conservation	1.72
SALEM 1.8 NW	1.72
SPRINGFIELD 4.0 SW	1.72
ELDON	1.71
ROLLA 3.4 NW	1.71
VICHY ROLLA NATL AP	1.70
HALF WAY 0.8 WNW	1.70
FLEMINGTON 1W	1.69
EMINENCE 4.7 ESE	1.68
NEVADA 0.2 W	1.67

Station	Amount
WEST PLAINS MUNICIPAL A	1.67
MOUNTAIN VIEW 7.0 NE	1.67
BRANSON 3.8 E	1.67
DIAMOND 2W	1.60
STOCKTON DAM	1.59
GREENFIELD 0.8 SSW	1.59
ST. JAMES 10.1 SSE	1.59
BOLIVAR 9.0 N	1.59
ROLLA 4.4 WSW	1.58
GALENA	1.57
NEWBURG 9.6 SSW	1.56
TRUMAN DAM & RESERVOIR	1.55
WAYNESVILLE 2 W	1.54
GIRARD 4.6 W	1.53
SHELL KNOB 5.6 ESE	1.53
WALNUT GROVE 5.8 NNW	1.52
CASSVILLE 0.5 SW	1.51

Station	Amount
HOUSTON 1.1 NE	1.50
ROLLA 3.7 WNW	1.50
ROLLA 7.6 SSE	1.44
SPRINGFIELD WFO	1.44
KIMBERLING CITY 1.5 WNW	1.42
LTSP	1.41
ST. JAMES 1.2 SE	1.41
ALTON 1.7 NNW	1.40
ELDON 3.8 NW	1.39
MONTAUK STATE PARK	1.39
SALEM 14.9 E	1.38
TANEYVILLE 3.9 NNE	1.37
VERSAILLES	1.36
HOUSTON 5.0 SE	1.33
ST. JAMES 7.4 NNE	1.32
RAYMONDVILLE 3.5 SE	1.31
WAYNESVILLE 3.5 WSW	1.30



Monthly Climate Summary

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Station	Amount
WEST PLAINS 10.6 S	1.29
SALEM 10 W	1.29
ROLLA 1.3 NE	1.28
DIXON 5.2 NE	1.28
SALEM 11.7 NNW	1.27
CRANE 0.3 SW	1.26
CONWAY 8.9 SW	1.24
LEBANON 2W	1.21
BOLIVAR 1.0 ENE	1.21
AVA 0.8 NNW	1.19
SARCOXIE 1.0 W	1.17
BROOKLINE 2.3 NNW	1.17
SELIGMAN 3.0 N	1.16
GAINESVILLE 6.2 ENE	1.15
WEST PLAINS 1.5 NW	1.15
POMME DE TERRE DAM	1.14
SPRINGFIELD WSO AP	1.12

Station	Amount
CARTHAGE 1.5 S	1.11
FORT LEONARD WOOD 5.4 S	1.09
LEBANON 6.3 N	1.08
MARIONVILLE 4.7 N	1.06
ROLLA 8.1 S	1.05
BUFFALO 1.0 SW	1.05
BOLIVAR 1 NE	1.04
LAKESIDE	1.03
MARSHFIELD 0.9 SE	1.03
LEBANON 0.6 N	1.00
MOUNTAIN GROVE 13.0 NNW	0.98
MARSHFIELD 1.4 W	0.98
GREENFIELD 2SE	0.97
HERMITAGE 0.5 ESE	0.97
JERICO SPRINGS 3S	0.95
OSCEOLA	0.95
STOVER 3.2 SSE	0.95

Station	Amount
PHILLIPSBURG 5.0 NW	0.92
BUFFALO 2N	0.90
ROLLA 0.9 SE	0.89
MOUNTAIN GROVE 14.0 S	0.85
ROLLA 5.6 S	0.84
MYRTLE 2.5 WNW	0.80
VIENNA 4.3 NNW	0.80
GOODSON 0.5 NNW	0.74
SPRINGFIELD 5.5 SSW	0.64
CLEVER 4.0 ENE	0.56
HOUSTON 2.0 S	0.45
MONETT 1.8 N	0.37
FORT SCOTT 0.6 SW	0.25
STRAFFORD 2.7 SW	0.14