

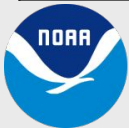


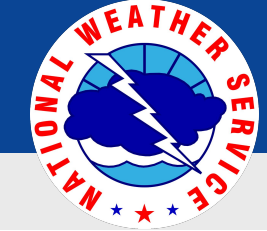
Monthly Climate Summary

November 2023 Overview

Monthly Climate Overview - November 2023

Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	83	84	81	83
Average Max. Temperature	60.1	61.5	60.7	60.3
Minimum Temperature	18	19	20	19
Average Min. Temperature	37.6	38.8	36.5	36.6
Average Mean Temperature	48.9	50.1	48.6	48.4
Departure from Normal	+2.2	+2.3	2.0	3.3
Temperature Rank	25th warmest / 136	29th warmest / 95	21st warmest / 76	15th warmest / 75
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	11	10	13	8
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	1.28	1.56	1.49	0.53
Departure from Normal	-2.28	-1.77	-2.85	-2.92
Precipitation Rank	29th driest / 136	35th driest / 111	13th driest / 76	5th driest / 78
Days of 0.01" or more	7	6	6	3
Days of 0.10" or more	2	4	2	2
Days of 0.50" or more	1	1	2	0
Days of 1.00" or more	0	0	0	0
Monthly Snowfall	T			

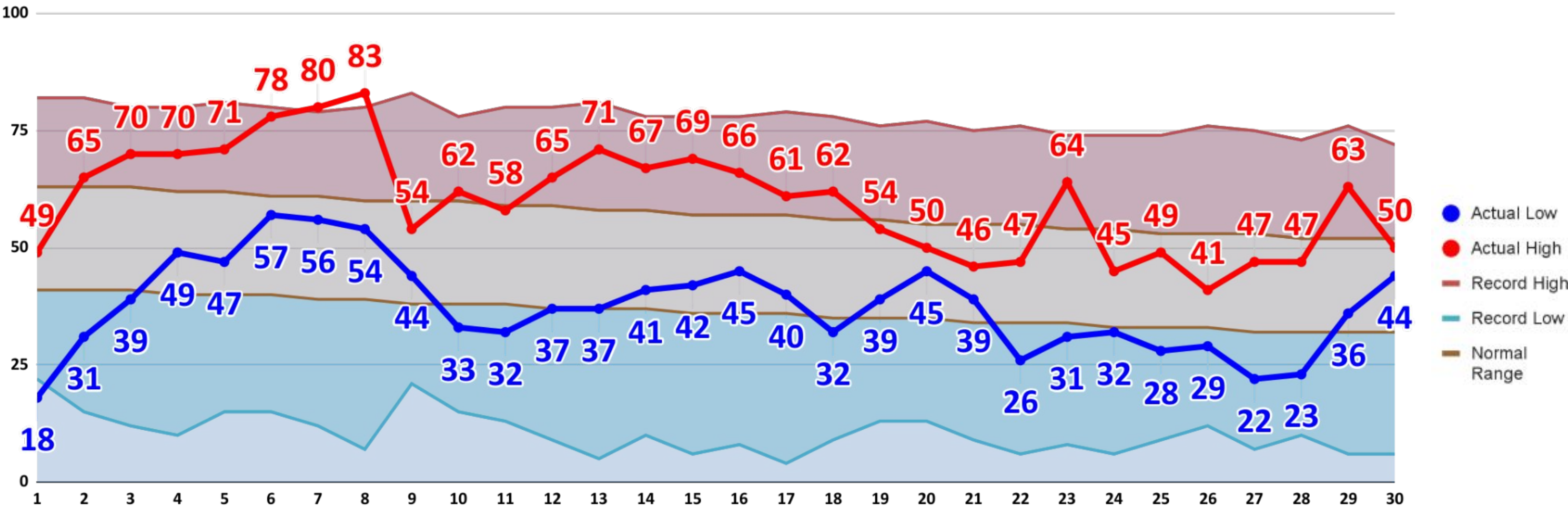


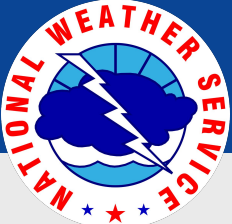


Monthly Climate Summary

Springfield Temperature Chart

Springfield Temperatures November 2023

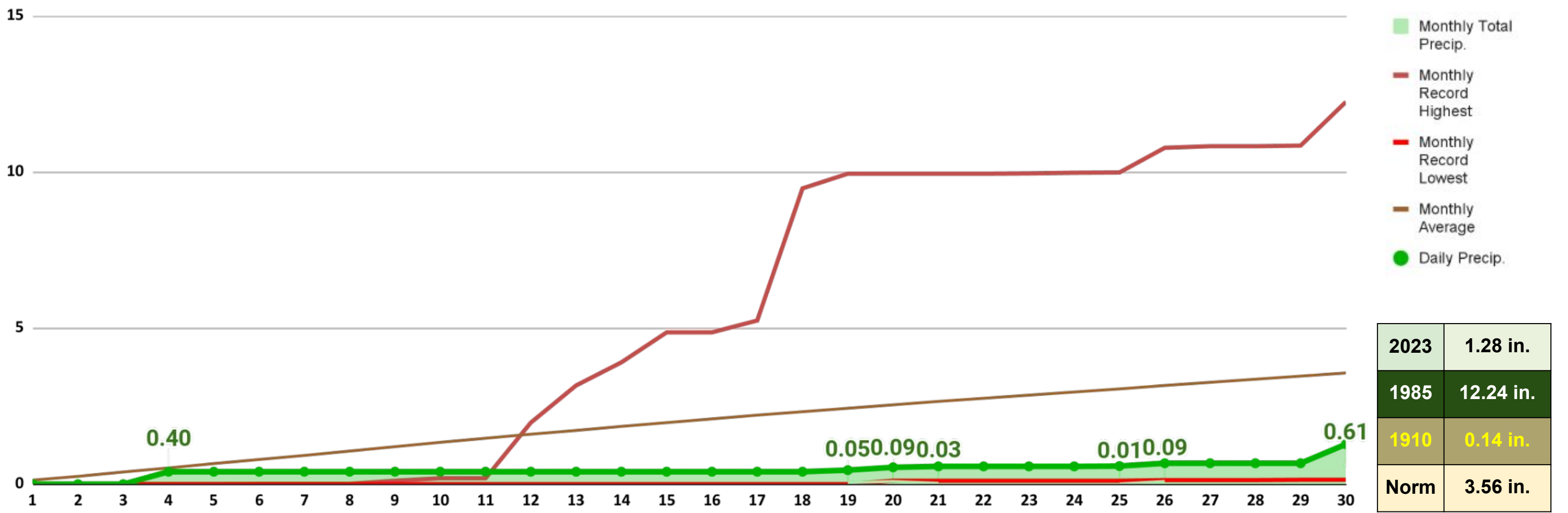


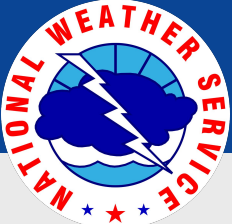


Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation November 2023

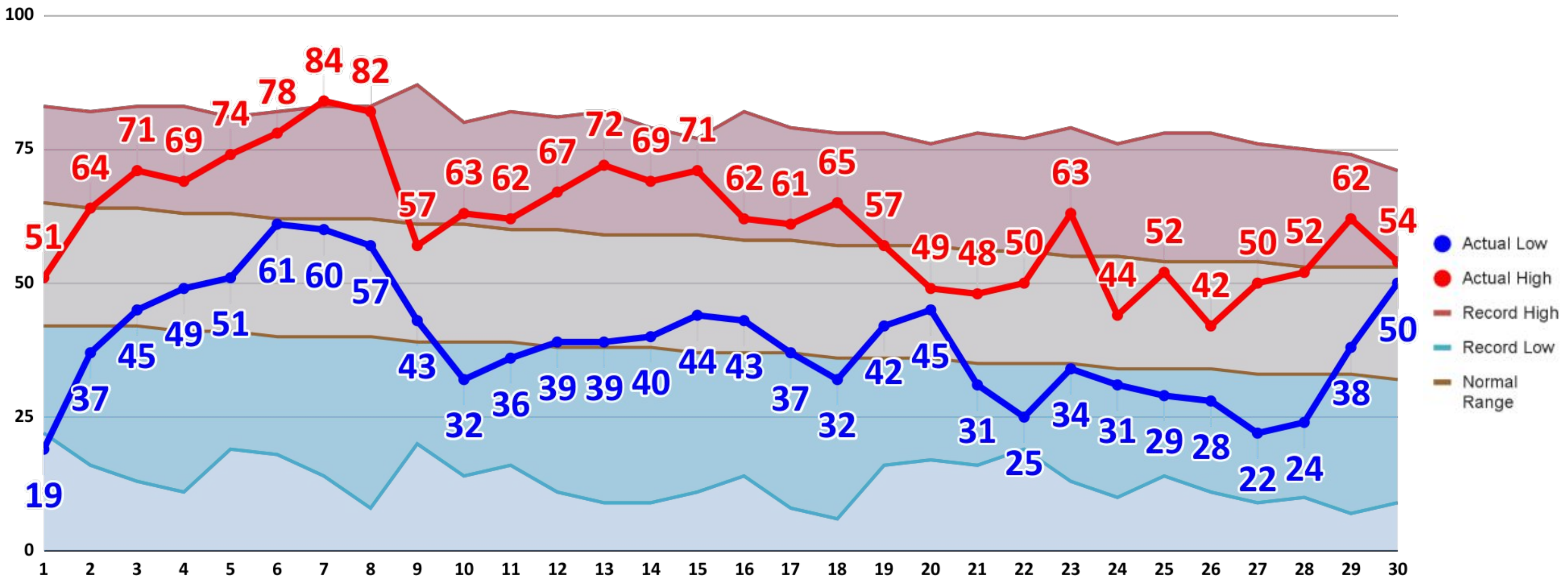


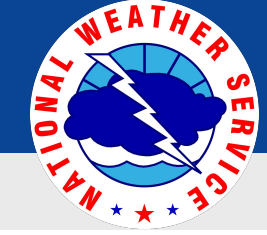


Monthly Climate Summary

Joplin Temperature Chart

Joplin Temperatures November 2023

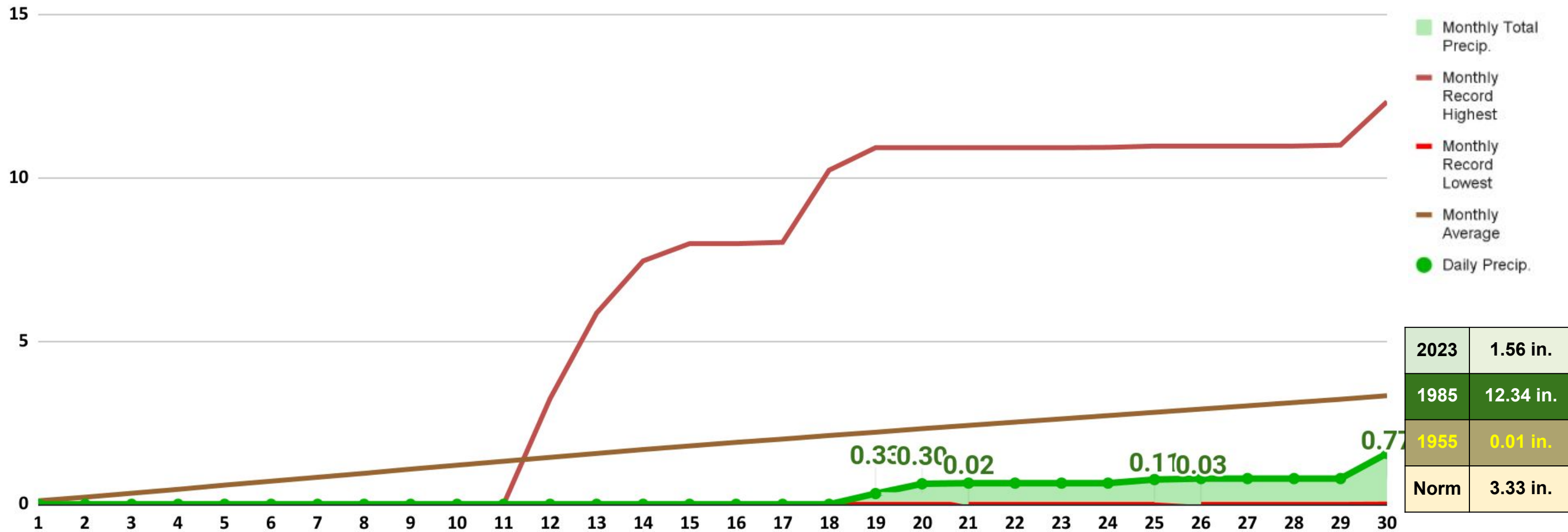


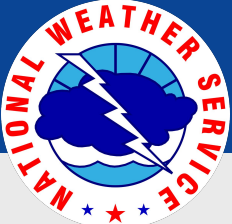


Monthly Climate Summary

Joplin Precipitation Chart

Joplin Precipitation November 2023

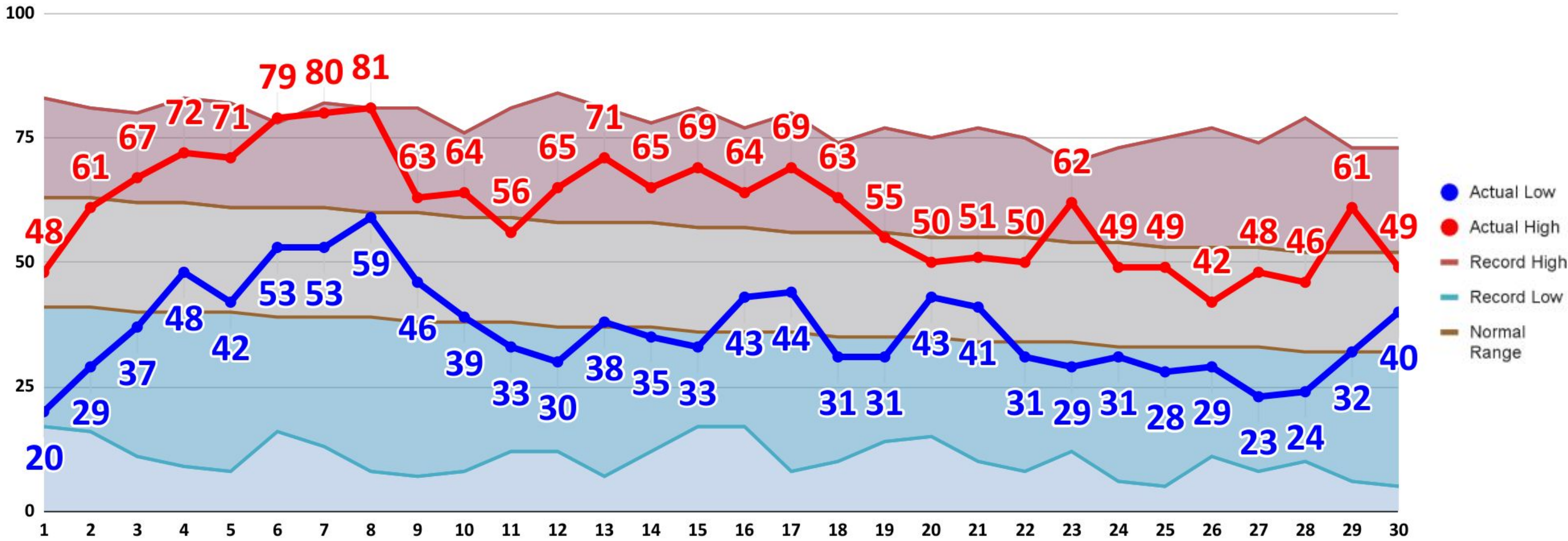


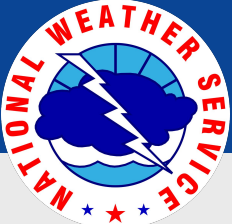


Monthly Climate Summary

West Plains Temperature Chart

West Plains Temperatures November 2023

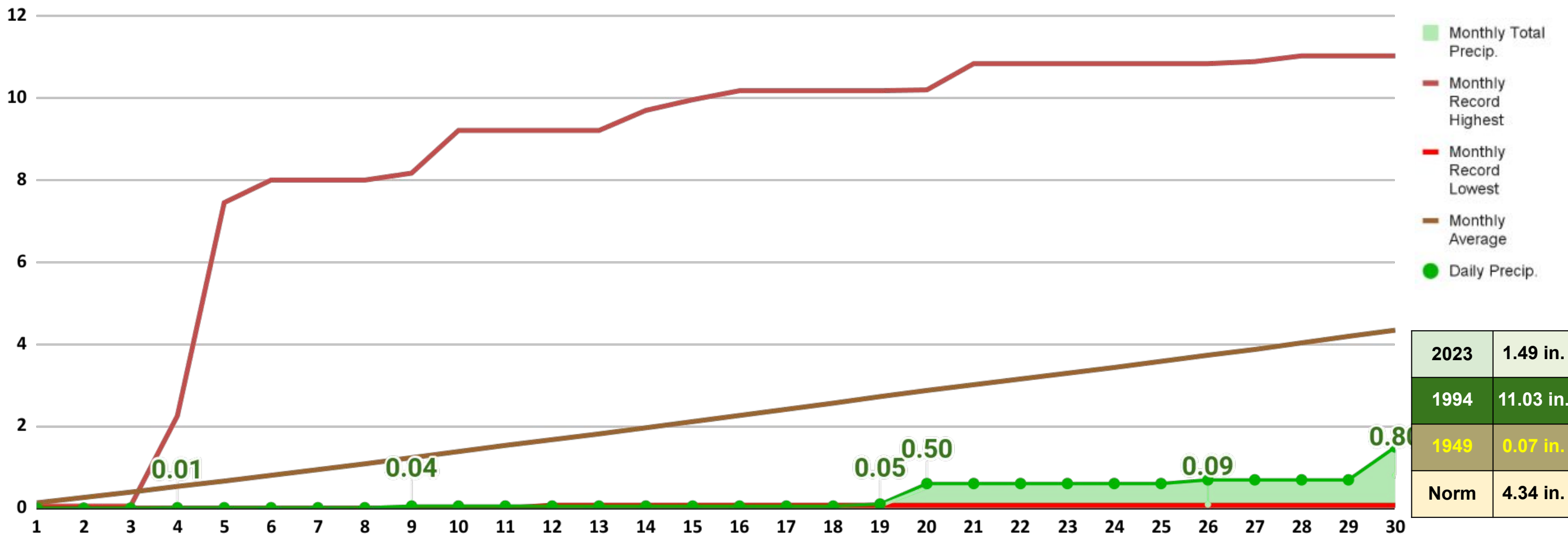


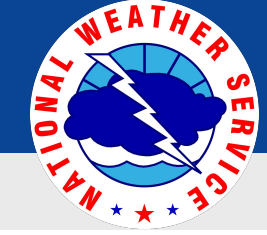


Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation November 2023

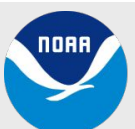
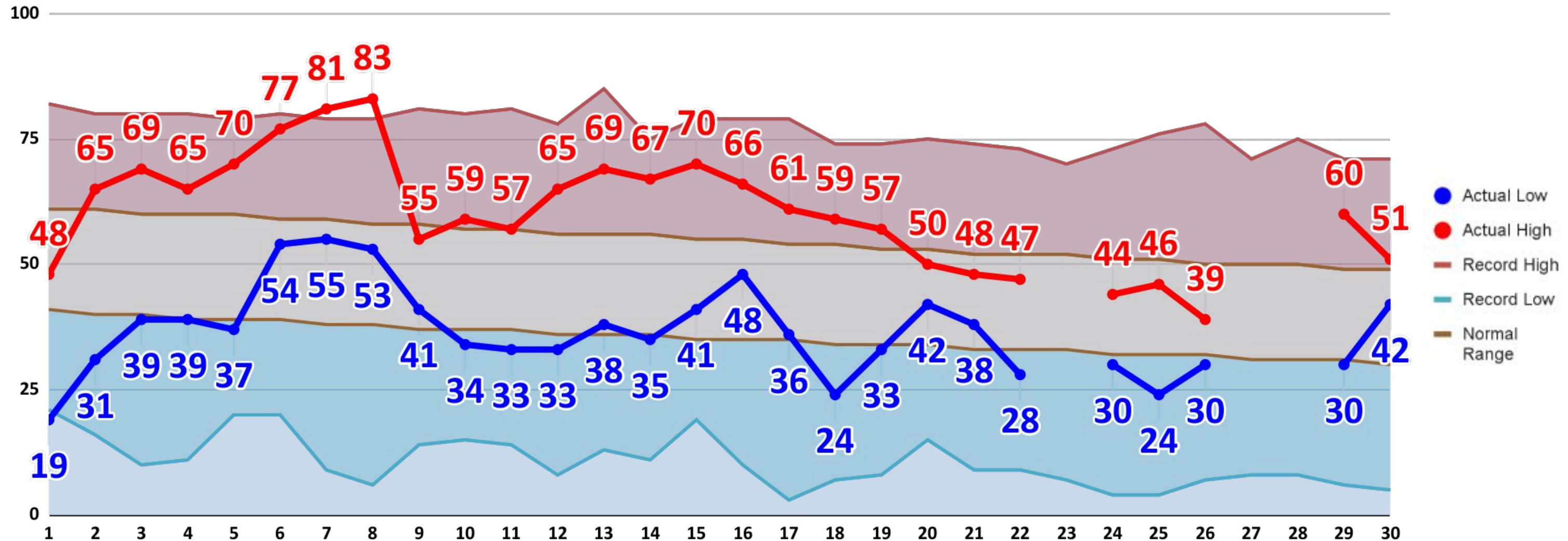


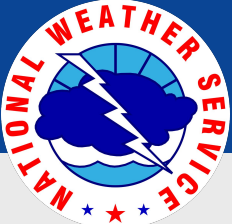


Monthly Climate Summary

Rolla / Vichy Temperature Chart

Rolla / Vichy Temperatures November 2023

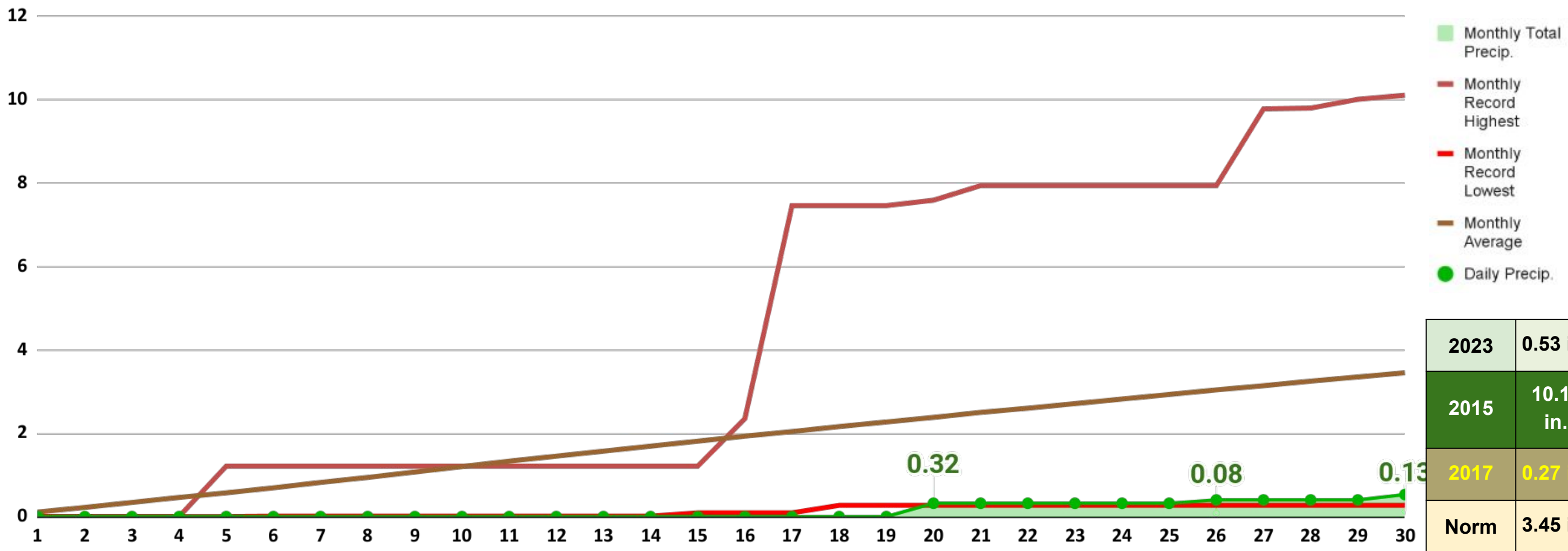




Monthly Climate Summary

Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation November 2023



2023	0.53 in.
2015	10.11 in.
2017	0.27 in.
Norm	3.45 in.



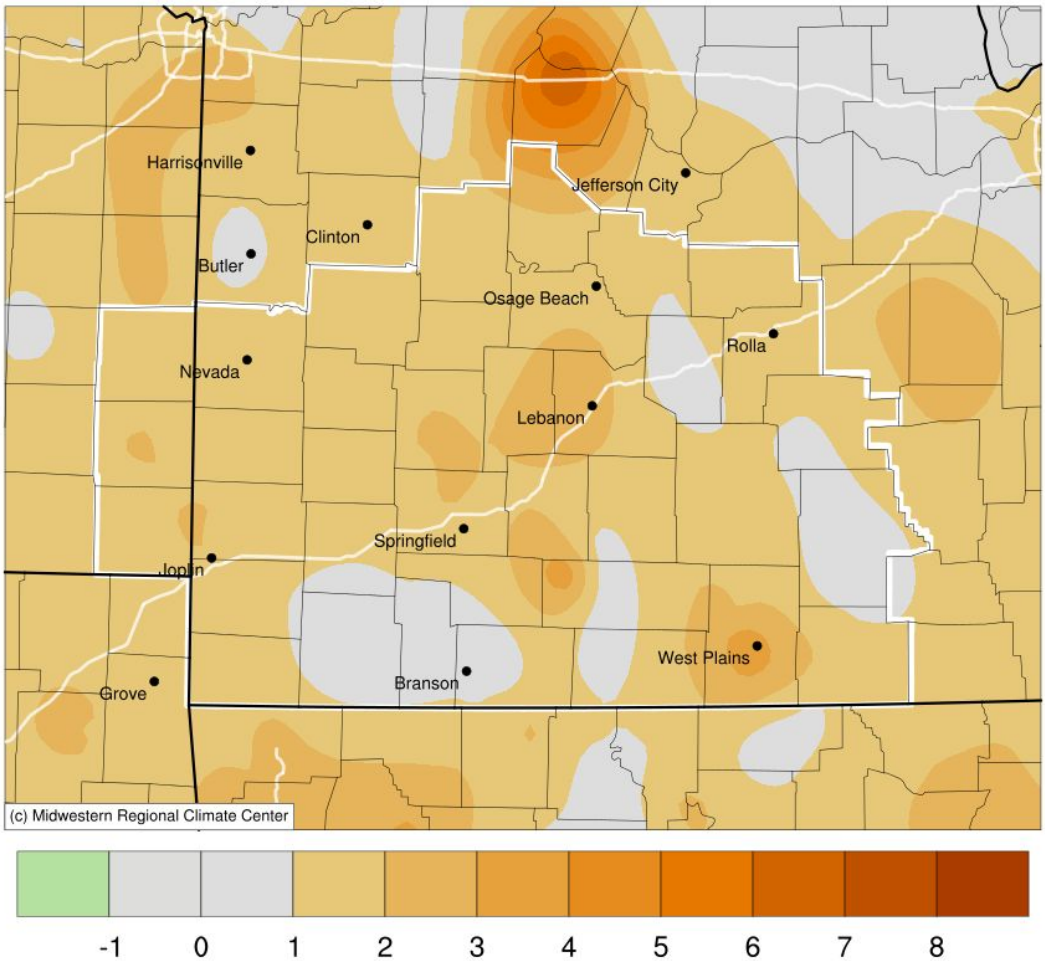


Monthly Climate Summary

November 2023 - Monthly Departure Maps

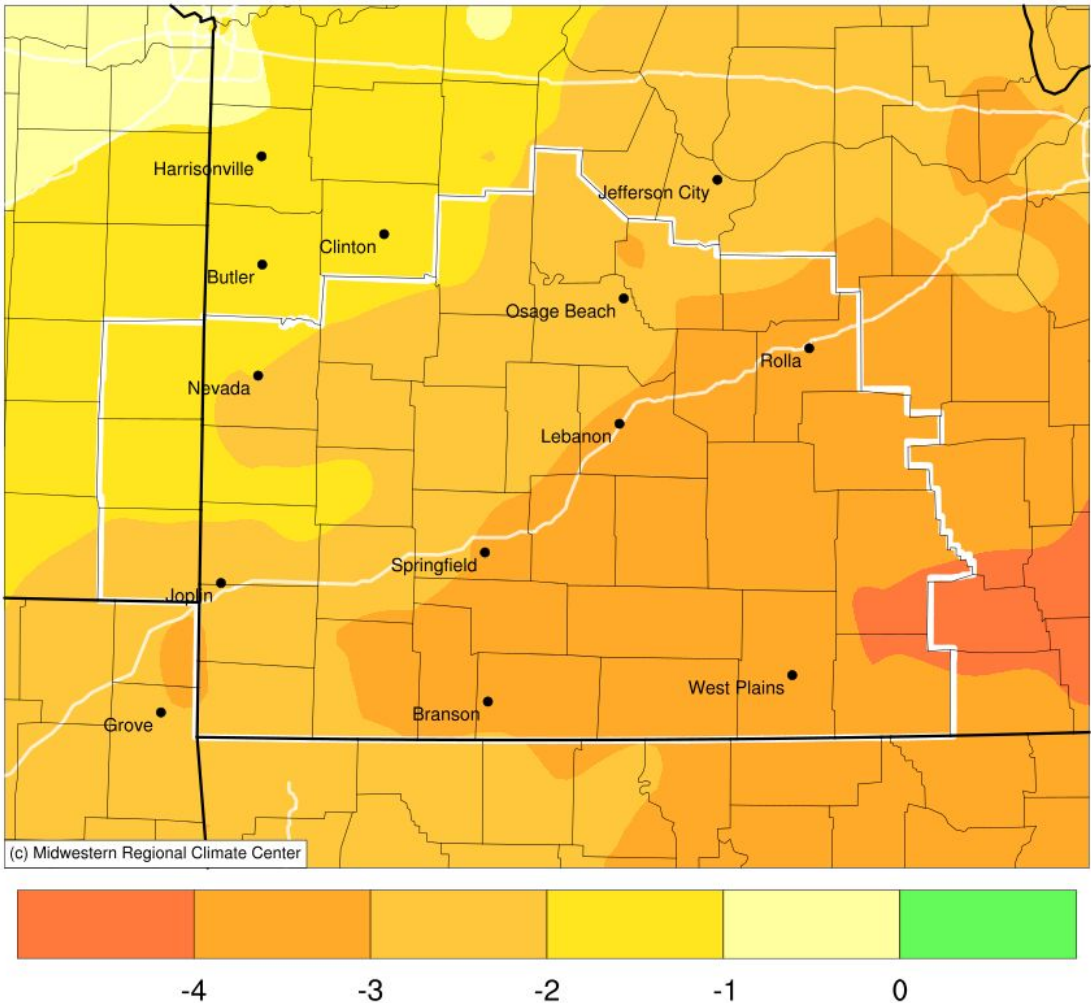
Average Temperature (°F): Departure from 1991-2020 Normals

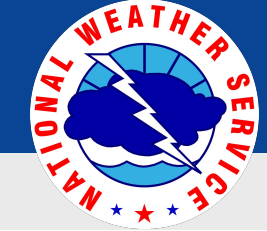
November 01, 2023 to November 30, 2023



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

November 01, 2023 to November 30, 2023



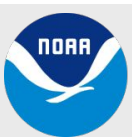


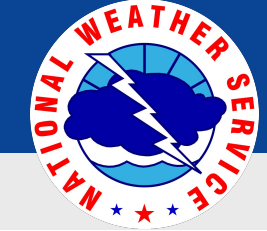
Monthly Climate Summary

November 2023 - Records for the month

List of November 2023 Records

Date	Station	Record
Nov 1	Springfield	Record low of 18 broke the old record of 22 set in 2014.
Nov 1	Joplin	Record low of 19 broke the old record of 22 set in 1991.
Nov 1	Vichy	Record low of 19 broke the old record of 21 set in 1954.
Nov 6	West Plains	Record high of 79 broke the old record of 78 set in 1980.
Nov 7	Joplin	Record high of 84 broke the old record of 83 set in 2005.
Nov 7	Vichy	Record high of 81 broke the old record of 79 set in 1999.
Nov 7	Springfield	Record high of 80 broke the old record of 79 set in 1915.
Nov 8	Springfield	Record high of 83 broke the old record of 80 set in 1980.
Nov 8	Vichy	Record high of 83 broke the old record of 79 set in 2005.
Nov 8	West Plains	Record high of 81 tied the old record set in 1975.





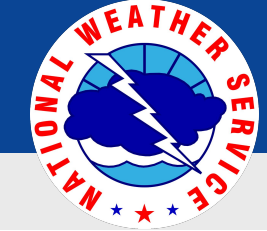
Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
December	47.0	27.8	2.61	3.3
January	44.3	24.2	2.54	3.3
February	49.5	28.0	2.4	4.4
Joplin				
Month	High	Low	Precip.	
December	47.8	28.5	2.60	
January	44.8	25.0	1.92	
February	50.0	28.7	1.98	

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
December	47.2	27.8	3.12
January	44.4	24.6	2.63
February	49.6	28.2	3.11
Rolla / Vichy			
Month	High	Low	Precip.
December	44.3	26.6	2.31
January	40.8	22.4	2.22
February	45.9	26.3	2.06



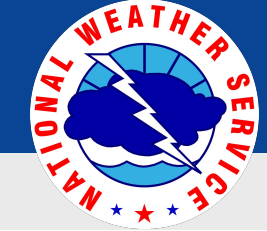


Monthly Climate Summary

November 2023 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
11/1/2023	49	18	33.5	-18.8	0	0	0
11/2/2023	65	31	48.0	-3.9	0	0	0
11/3/2023	70	39	54.5	3.0	0	0	0
11/4/2023	70	49	59.5	8.4	0.4	0	0
11/5/2023	71	47	59.0	8.3	0	0	0
11/6/2023	78	57	67.5	17.2	0	0	0
11/7/2023	80	56	68.0	18.1	0	0	0
11/8/2023	83	54	68.5	18.9	0	0	0
11/9/2023	54	44	49.0	-0.2	0	0	0
11/10/2023	62	33	47.5	-1.3	0	0	0
11/11/2023	58	32	45.0	-3.4	0	0	0
11/12/2023	65	37	51.0	3.0	0	0	0
11/13/2023	71	37	54.0	6.4	0	0	0
11/14/2023	67	41	54.0	6.8	0	0	0
11/15/2023	69	42	55.5	8.7	0	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
11/16/2023	66	45	55.5	9	0	0	0
11/17/2023	61	40	50.5	4.4	0	0	0
11/18/2023	62	32	47	1.3	0	0	0
11/19/2023	54	39	46.5	1.2	0.05	0	0
11/20/2023	50	45	47.5	2.5	0.09	0	0
11/21/2023	46	39	42.5	-2.1	0.03	0	0
11/22/2023	47	26	36.5	-7.8	0	0	0
11/23/2023	64	31	47.5	3.6	0	0	0
11/24/2023	45	32	38.5	-5	0	0	0
11/25/2023	49	28	38.5	-4.7	0.01	0	0
11/26/2023	41	29	35	-7.9	0.09	T	0
11/27/2023	47	22	34.5	-8	0	0	0
11/28/2023	47	23	35	-7.2	0	0	0
11/29/2023	63	36	49.5	7.6	0	0	0
11/30/2023	50	44	47	5.5	0.61	0	0

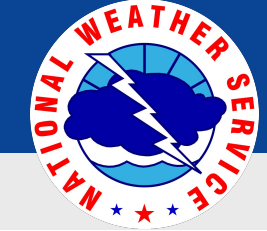


Monthly Climate Summary

November 2023 - Joplin Daily Data

Date	Ma x	Min	Avg.	Depart	Precip.
11/1/2023	51	19	35.0	-18.4	0.00
11/2/2023	64	37	50.5	-2.5	0.00
11/3/2023	71	45	58.0	5.4	0.00
11/4/2023	69	49	59.0	6.8	T
11/5/2023	74	51	62.5	10.7	0.00
11/6/2023	78	61	69.5	18.1	0.00
11/7/2023	84	60	72.0	21.0	0.00
11/8/2023	82	57	69.5	18.9	0.00
11/9/2023	57	43	50.0	-0.2	0.00
11/10/2023	63	32	47.5	-2.3	0.00
11/11/2023	62	36	49.0	-0.4	0.00
11/12/2023	67	39	53.0	3.9	0.00
11/13/2023	72	39	55.5	6.8	0.00
11/14/2023	69	40	54.5	6.2	0.00
11/15/2023	71	44	57.5	9.6	0.00

Date	Ma x	Min	Avg.	Depart	Precip.
11/16/2023	62	43	52.5	5.0	0.00
11/17/2023	61	37	49.0	1.9	0.00
11/18/2023	65	32	48.5	1.8	0.00
11/19/2023	57	42	49.5	3.2	0.33
11/20/2023	49	45	47.0	1.0	0.30
11/21/2023	48	31	39.5	-6.1	0.02
11/22/2023	50	25	37.5	-7.7	0.00
11/23/2023	63	34	48.5	3.7	0.00
11/24/2023	44	31	37.5	-7.0	0.00
11/25/2023	52	29	40.5	-3.6	0.11
11/26/2023	42	28	35.0	-8.8	0.03
11/27/2023	50	22	36.0	-7.4	0.00
11/28/2023	52	24	38.0	-5.1	0.00
11/29/2023	62	38	50.0	7.3	0.00
11/30/2023	54	50	52.0	9.6	0.77

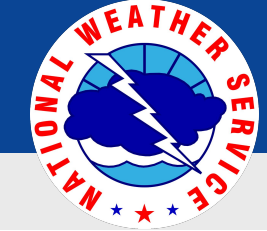


Monthly Climate Summary

November 2023 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
11/1/2023	48	20	34.0	-17.9	0.00
11/2/2023	61	29	45.0	-6.5	0.00
11/3/2023	67	37	52.0	0.9	0.00
11/4/2023	72	48	60.0	9.2	0.01
11/5/2023	71	42	56.5	6.1	0.00
11/6/2023	79	53	66.0	16.0	0.00
11/7/2023	80	53	66.5	16.9	0.00
11/8/2023	81	59	70.0	20.7	0.00
11/9/2023	63	46	54.5	5.6	0.04
11/10/2023	64	39	51.5	3.0	0.00
11/11/2023	56	33	44.5	-3.7	0.00
11/12/2023	65	30	47.5	-0.3	0.00
11/13/2023	71	38	54.5	7.1	0.00
11/14/2023	65	35	50.0	2.9	0.00
11/15/2023	69	33	51.0	4.3	0.00

Date	Max	Min	Avg.	Depart	Precip.
11/16/2023	64	43	53.5	7.2	0.00
11/17/2023	69	44	56.5	10.5	0.00
11/18/2023	63	31	47.0	1.4	0.00
11/19/2023	55	31	43.0	-2.3	0.05
11/20/2023	50	43	46.5	1.6	0.50
11/21/2023	51	41	46.0	1.4	T
11/22/2023	50	31	40.5	-3.7	0.00
11/23/2023	62	29	45.5	1.6	0.00
11/24/2023	49	31	40.0	-3.5	0.00
11/25/2023	49	28	38.5	-4.7	0.00
11/26/2023	42	29	35.5	-7.4	0.09
11/27/2023	48	23	35.5	-7.1	0.00
11/28/2023	46	24	35.0	-7.2	0.00
11/29/2023	61	32	46.5	4.6	0.00
11/30/2023	49	40	44.5	2.9	0.80

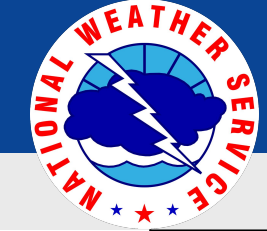


Monthly Climate Summary

November 2023 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
11/1/2023	48	19	33.5	-17.4	0.00
11/2/2023	65	31	48.0	-2.5	0.00
11/3/2023	69	39	54.0	4.0	0.00
11/4/2023	65	39	52.0	2.4	0.00
11/5/2023	70	37	53.5	4.3	0.00
11/6/2023	77	54	65.5	16.7	0.00
11/7/2023	81	55	68.0	19.6	0.00
11/8/2023	83	53	68.0	20.0	0.00
11/9/2023	55	41	48.0	0.4	0.00
11/10/2023	59	34	46.5	-0.7	0.00
11/11/2023	57	33	45.0	-1.7	T
11/12/2023	65	33	49.0	2.7	0.00
11/13/2023	69	38	53.5	7.6	0.00
11/14/2023	67	35	51.0	5.5	0.00
11/15/2023	70	41	55.5	10.4	0.00

Date	Max	Min	Avg.	Depart	Precip.
11/16/2023	66	48	57.0	12.3	0.00
11/17/2023	61	36	48.5	4.2	T
11/18/2023	59	24	41.5	-2.4	0.00
11/19/2023	57	33	45.0	1.4	T
11/20/2023	50	42	46.0	2.8	0.32
11/21/2023	48	38	43.0	0.2	T
11/22/2023	47	28	37.5	-4.9	0.00
11/23/2023	M	M	M	M	M
11/24/2023	44	30	37.0	-4.7	0.00
11/25/2023	46	24	35.0	-6.4	0.00
11/26/2023	39	30	34.5	-6.5	0.08
11/27/2023	M	M	M	M	M
11/28/2023	M	M	M	M	M
11/29/2023	60	30	45.0	5.0	0.00
11/30/2023	51	42	46.5	6.8	0.13



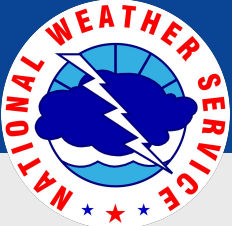
Monthly Climate Summary

November 2023 - Precipitation Report

Station	Amount
Schell-Osage	2.14
LOCKWOOD	1.87
Twin Pines Conservation	1.81
GOLDEN CITY 6 S	1.79
GOLDEN CITY 0.6 SSW	1.70
PITTSBURG	1.60
NEOSHO	1.56
JOPLIN REGIONAL AIRPORT	1.56
LTSP	1.56
OSCEOLA 0.3 SW	1.50
WEST PLAINS MUNICIPAL A	1.49
SPRINGFIELD WFO	1.46
GREENFIELD 2SE	1.38
JOPLIN 24 N	1.38
SPRINGFIELD WSO AP	1.28
GIRARD 4.6 W	1.27
APPLETON CITY	1.25

Station	Amount
ROCKVILLE 7.9 E	1.25
GREENFIELD 3.1 ENE	1.23
Sinkin Forest	1.22
DUNNEGAN 2.4 NNW	1.16
DEVON 0.1 SE	1.15
ASH GROVE 4S	1.13
FAIR PLAY 1.3 E	1.12
CARTHAGE 4.5 E	1.12
FLEMINGTON 2.6 S	1.11
Journagan Ranch	1.11
STOCKTON 0.5 W	1.09
ASH GROVE 0.4 SSW	1.09
ANDERSON 3W	1.09
GREENFIELD 2.9 WSW	1.08
CARTHAGE 3.8 SW	1.07
GIRARD	1.06
TECUMSEH 2.2 SE	1.04

Station	Amount
TECUMSEH 1W	1.00
BOLIVAR 9.0 N	0.99
COLE CAMP 3NW	0.99
FORT SCOTT	0.99
FORT SCOTT 9.3 NNE	0.99
WARSAW 3.8 NNE	0.98
LAMAR 0.3 ESE	0.97
NEVADA 0.2 W	0.97
NEVADA 6.3 ESE	0.96
WILLARD 2.6 W	0.96
ANDERSON 4.2 W	0.95
NEVADA WATER PLANT	0.95
WALNUT GROVE 5.8 NNW	0.92
FARLINGTON 0.8 NNE	0.92
STOCKTON 2.5 NNE	0.91
WILLARD 5.8 NNE	0.91
CARL JUNCTION 3.1 WSW	0.91



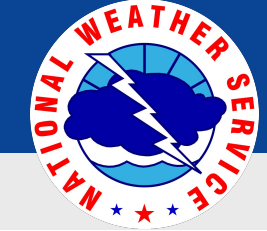
Monthly Climate Summary

November 2023 - Precipitation Report

Station	Amount
JOPLIN 1.3 NW	0.91
BOLIVAR 1.0 ENE	0.90
ANDERSON 6.8 W	0.90
BILLINGS 1SW	0.89
MILLER 9.2 WNW	0.89
STOCKTON 0.2 NW	0.89
GRAVOIS MILLS 8.4 S	0.89
BATTLEFIELD 3.3 E	0.88
WALNUT GROVE 5.2 SE	0.88
COLE CAMP 0.4 SE	0.88
LAKESIDE	0.88
WEST PLAINS 10.6 S	0.87
GREENFIELD 0.8 SSW	0.86
BRANSON AIRPORT	0.85
STOVER 2.3 NW	0.84
STOCKTON DAM	0.83
ALDRICH 5.0 ESE	0.83

Station	Amount
STOVER 3.2 SSE	0.82
TRUMAN DAM & RESERVOIR	0.81
STOCKTON 5.6 S	0.80
CLEVER 7.2 SE	0.80
GAINESVILLE 6.2 ENE	0.80
BROOKLINE 2.3 NNW	0.79
KIMBERLING CITY 1.5 WNW	0.79
HERMITAGE 0.5 ESE	0.79
AVA 0.8 NNW	0.79
COLLINS 5.5 WNW	0.78
HOLLISTER 3.8 SW	0.78
MORRISVILLE 2SW	0.78
WEST PLAINS 2.2 NNW	0.77
MILLER	0.76
SPRINGFIELD 4.9 SE	0.76
WASOLA 5N	0.75
MOUNT VERNON 1.3 NNW	0.73

Station	Amount
WEST PLAINS	0.73
POMME DE TERRE DAM	0.72
MANSFIELD	0.72
NEOSHO 2.0 NNW	0.72
KAISER LAKE OZARKS LEE	0.72
SUMMERSVILLE 3.6 S	0.72
MONETT 4SW	0.71
CASSVILLE 4.8 SSE	0.71
SPRINGFIELD 0.7 ENE	0.71
LINCOLN 0.4 NNE	0.71
DIAMOND 2W	0.71
NIXA 2.7 SSW	0.68
AVA 6NW	0.68
MOUNTAIN VIEW 7.9 W	0.68
GOODSON 0.5 NNW	0.67
COLUMBUS	0.67
PURDY 4.8 SSW	0.65



Monthly Climate Summary

November 2023 - Precipitation Report

Station	Amount
LAMAR 7N	0.65
EMERALD BEACH 5.5 E	0.64
STARK CITY 5.5 ENE	0.64
SHOAL CREEK ESTATES 0.2	0.64
WEST PLAINS 1.5 NW	0.64
CASSVILLE 1 NE	0.63
SPRINGFIELD 1.0 SSE	0.63
TANEYVILLE 3.9 NNE	0.63
HALF WAY 0.8 WNW	0.63
BRUMLEY 5.6 SW	0.63
MOUNTAIN VIEW 7.0 NE	0.63
WEST PLAINS 8.8 E	0.63
NEVADA 3.4 NE	0.62
MCCUNE 1.6 NW	0.62
DIXON 5.2 NE	0.62
ALTON	0.62
MOUNTAIN GROVE 14.0 S	0.61

Station	Amount
CASSVILLE 0.5 SW	0.60
SHELL KNOB 5.6 ESE	0.59
MARSHFIELD 4 WSW	0.59
BRANSON 3.2 NNW	0.58
URBANA 2.7 NNE	0.58
FAIR GROVE 4.7 SSW	0.58
IBERIA	0.58
BRANSON 3.8 E	0.57
MANSFIELD 3.7 SSE	0.56
OAKLAND PARK 0.6 ESE	0.56
GALENA	0.55
ALTON 1.7 NNW	0.55
REPUBLIC 0.8 ESE	0.54
SPRINGFIELD 4.0 SW	0.54
HARTVILLE 3.8 WNW	0.54
OZARK BEACH 2 NNE	0.53
VICHY ROLLA NATL AP	0.53

Station	Amount
ELDON 3.8 NW	0.53
CAPE FAIR 2.1 N	0.52
MARSHFIELD 3.7 SE	0.52
Mt Vernon	0.51
BOLIVAR 1 NE	0.50
ELDORADO SPRINGS	0.47
HARTVILLE	0.47
ROLLA 3.4 NW	0.47
WINONA 3 SW	0.47
SALEM 1.8 NW	0.45
ROLLA 3.7 WNW	0.45
ST. JAMES 7.4 NNE	0.45
ROLLA 1.3 S	0.44
RAYMONDVILLE 3.5 SE	0.44
LEBANON 6.3 N	0.44
MOUNT VERNON 0.2 E	0.43
PIERCE CITY 5.0 NE	0.43

Station	Amount
ROLLA 1.6 ENE	0.43
CLEVER 4.0 ENE	0.42
WAYNESVILLE 2 W	0.42
MONTAUK STATE PARK	0.42
ROLLA 4.4 WSW	0.42
MYRTLE 2.5 WNW	0.42
MARSHFIELD 1.4 W	0.41
ROLLA 2.8 S	0.41
MONETT 1.8 N	0.40
MARIONVILLE 4.7 N	0.40
CRANE 0.7 SSW	0.39
TABLE ROCK DAM	0.39
BUFFALO 1.0 SW	0.39
MARSHFIELD 0.9 SE	0.39
ROLLA MISSOURI S&T	0.39
NEWBURG 9.6 SSW	0.39
CONWAY 8.9 SW	0.38

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