

Monthly Climate Summary

October 2023 Overview

Monthly Climate Overview - October 2023

Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	89	88	87	88
Average Max. Temperature	69.4	70.9	70.4	68.6
Minimum Temperature	23	22	23	22
Average Min. Temperature	48.9	49.6	48.2	47.0
Average Mean Temperature	59.2	60.2	59.3	57.8
Departure from Normal	+0.6	+0.9	1.4	0.7
Temperature Rank	50th warmest / 136	45th coolest / 94	19th warmest / 76	36th coolest / 73
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	2	2	2	2
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	4.24	3.4	3.78	2.30
Departure from Normal	0.64	-0.40	-0.30	-0.91
Precipitation Rank	39th wettest / 136	55th wettest / 111	29th wettest / 76	29th driest / 76
Days of 0.01" or more	7	10	9	8
Days of 0.10" or more	4	5	5	6
Days of 0.50" or more	3	2	2	1
Days of 1.00" or more	2	1	2	0
Monthly Snowfall	0			

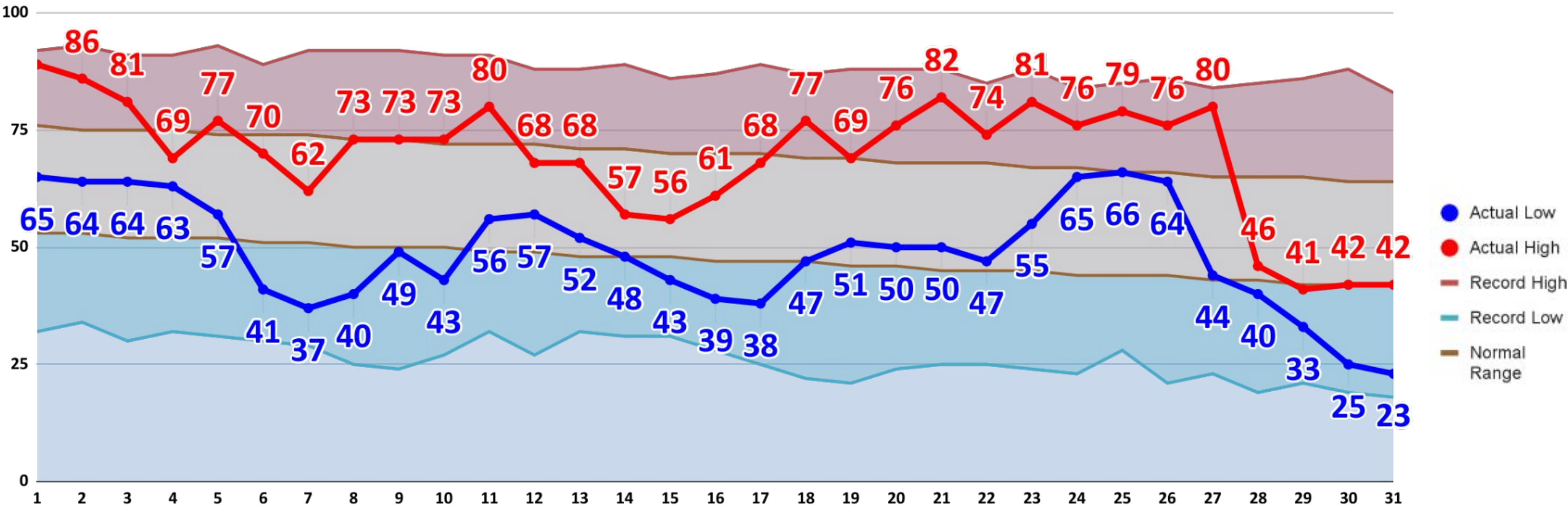


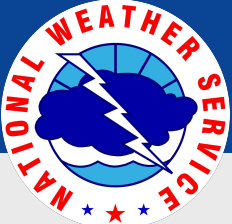


Monthly Climate Summary

Springfield Temperature Chart

Springfield Temperatures October 2023

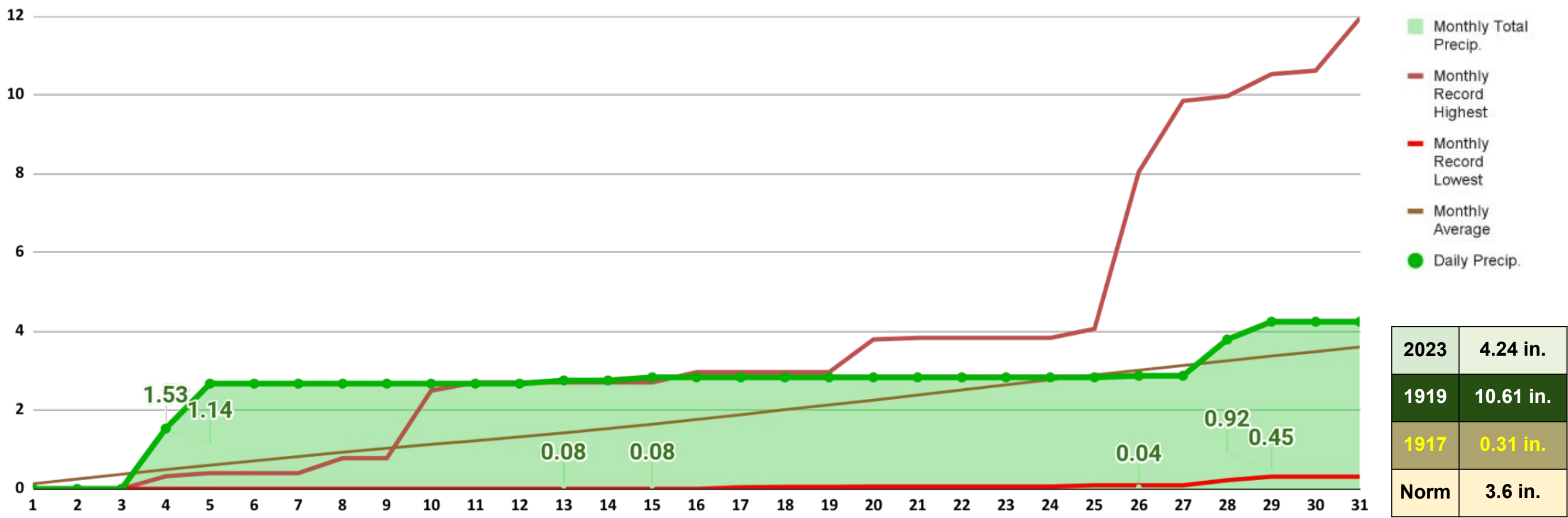




Monthly Climate Summary

Springfield Precipitation Chart

Springfield Precipitation October 2023

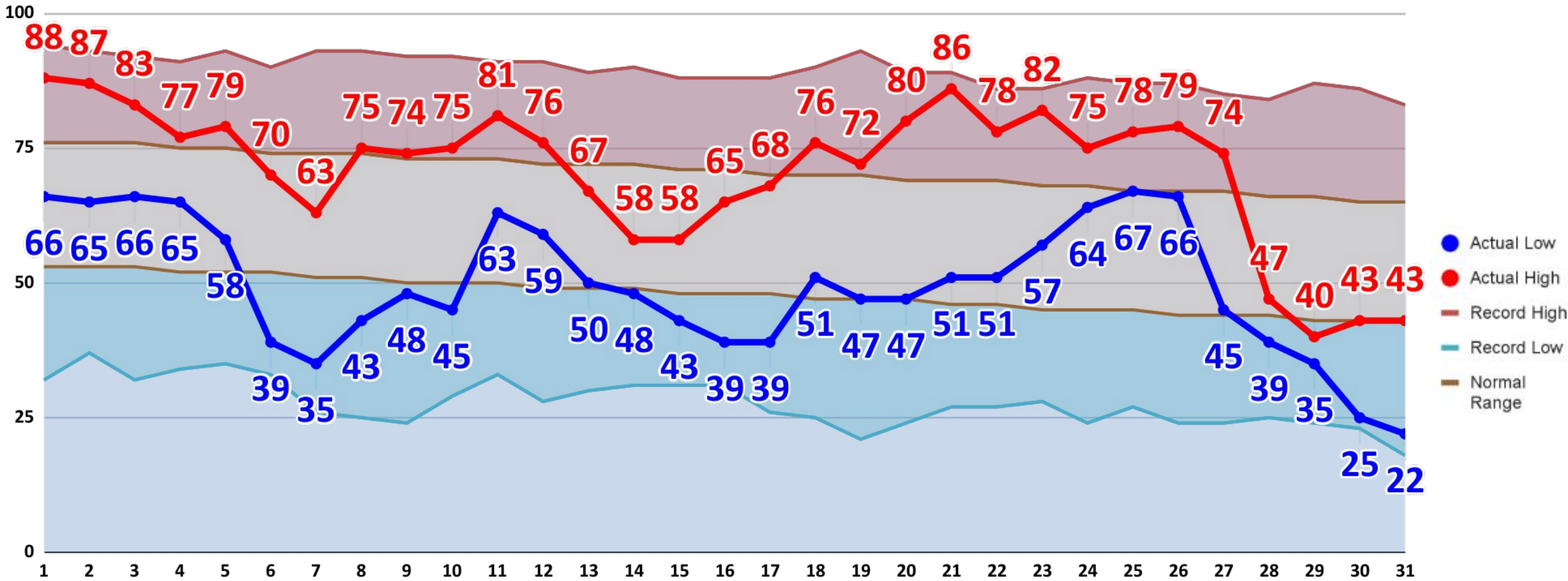


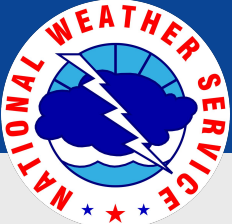


Monthly Climate Summary

Joplin Temperature Chart

Joplin Temperatures October 2023

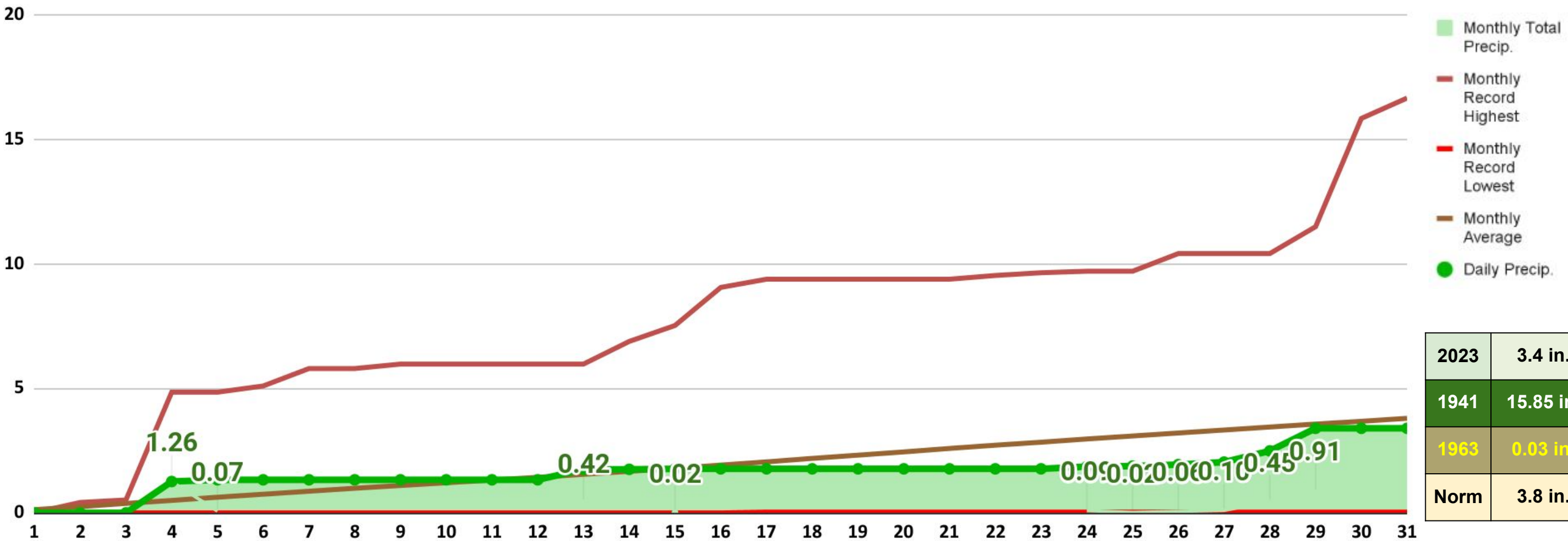




Monthly Climate Summary

Joplin Precipitation Chart

Joplin Precipitation October 2023



2023	3.4 in.
1941	15.85 in.
1963	0.03 in.
Norm	3.8 in.

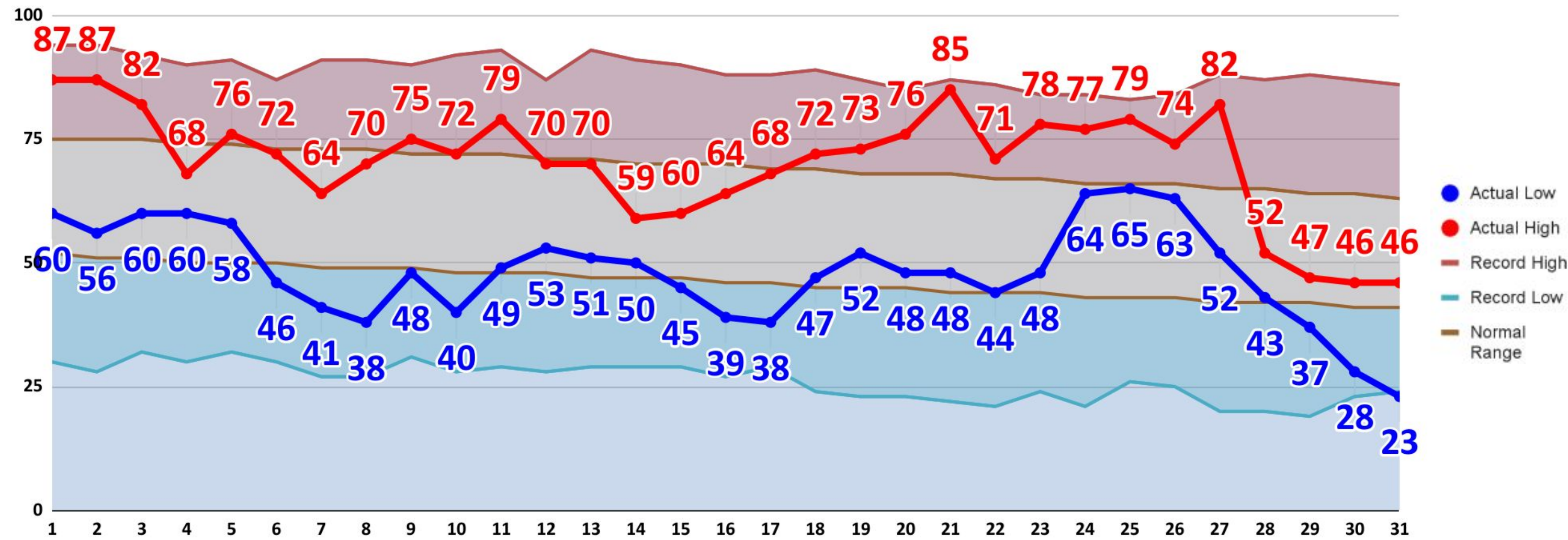


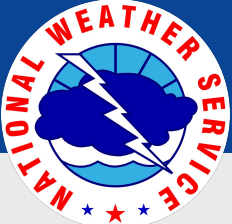


Monthly Climate Summary

West Plains Temperature Chart

West Plains Temperatures October 2023

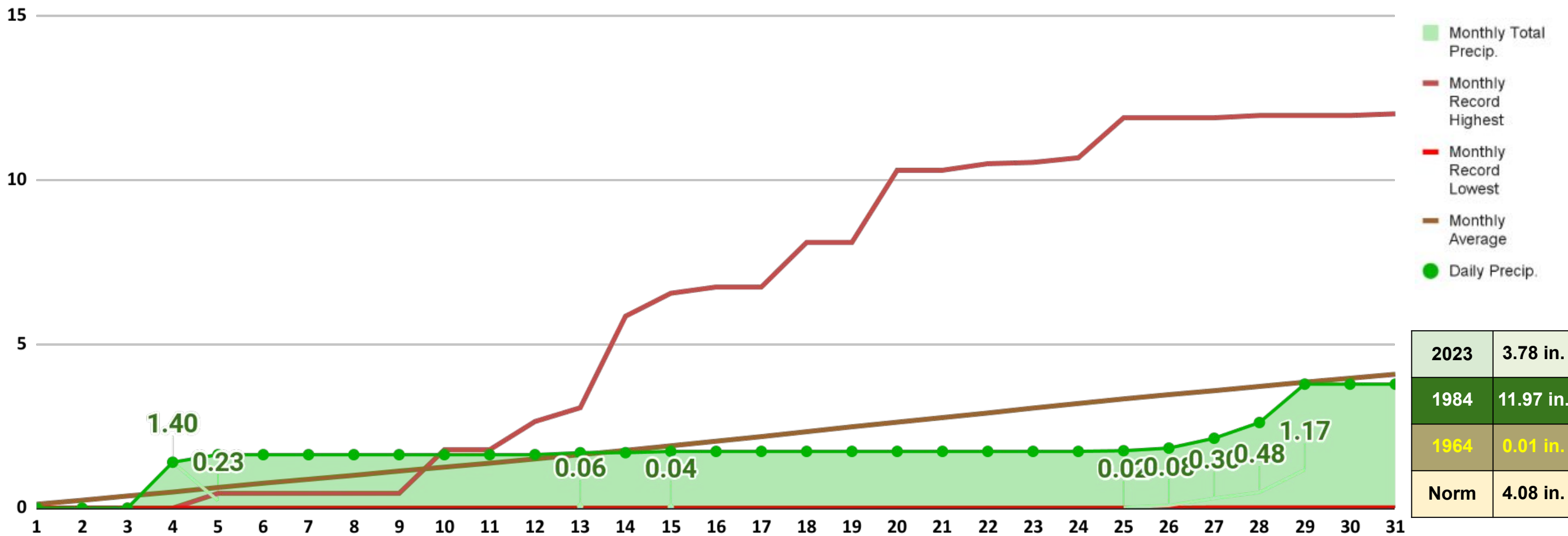


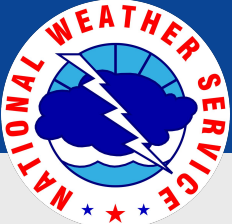


Monthly Climate Summary

West Plains Precipitation Chart

West Plains Precipitation October 2023

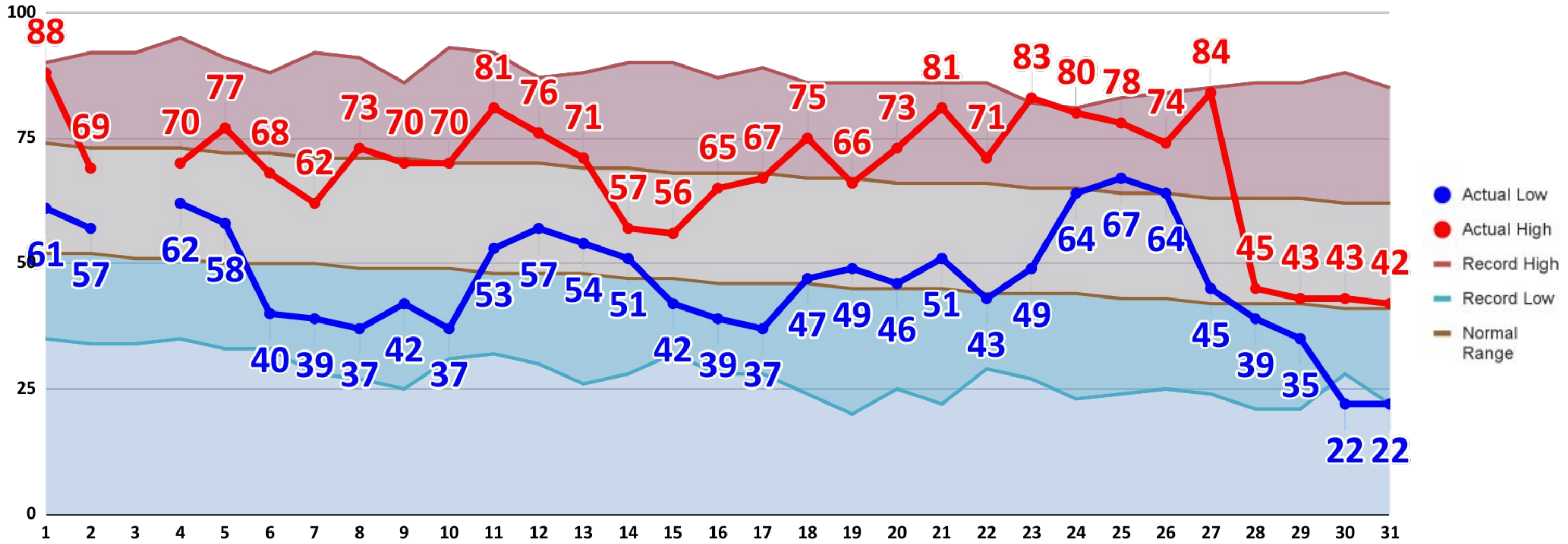


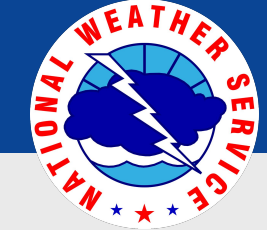


Monthly Climate Summary

Rolla / Vichy Temperature Chart

Rolla / Vichy Temperatures October 2023

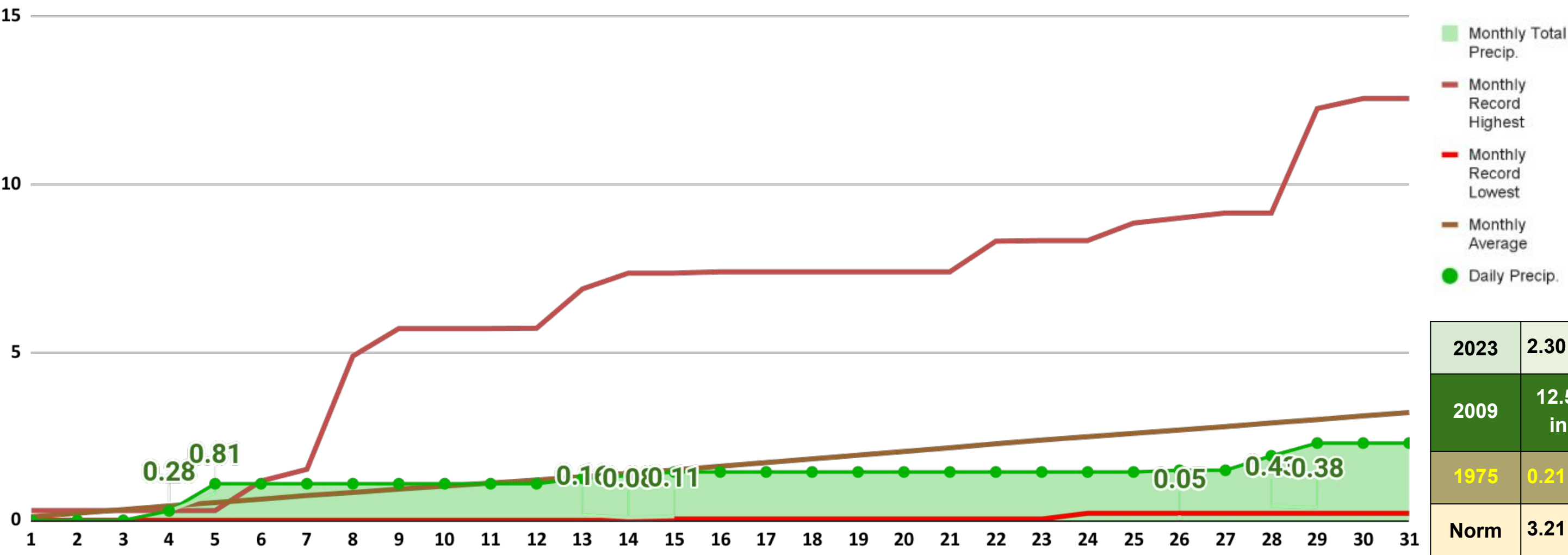




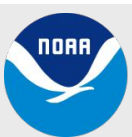
Monthly Climate Summary

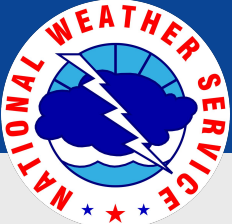
Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation October 2023



2023	2.30 in.
2009	12.56 in.
1975	0.21 in.
Norm	3.21 in.

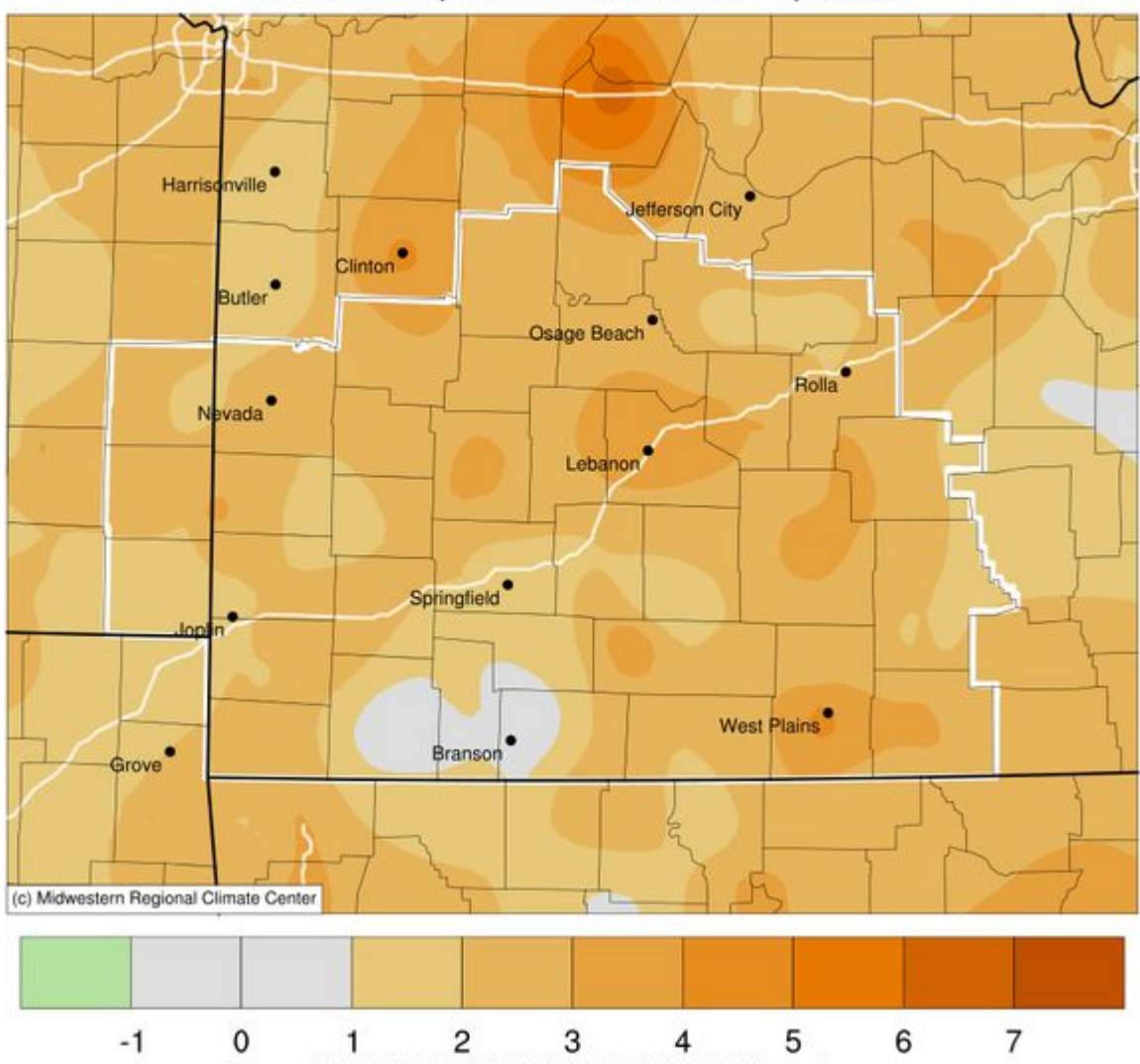




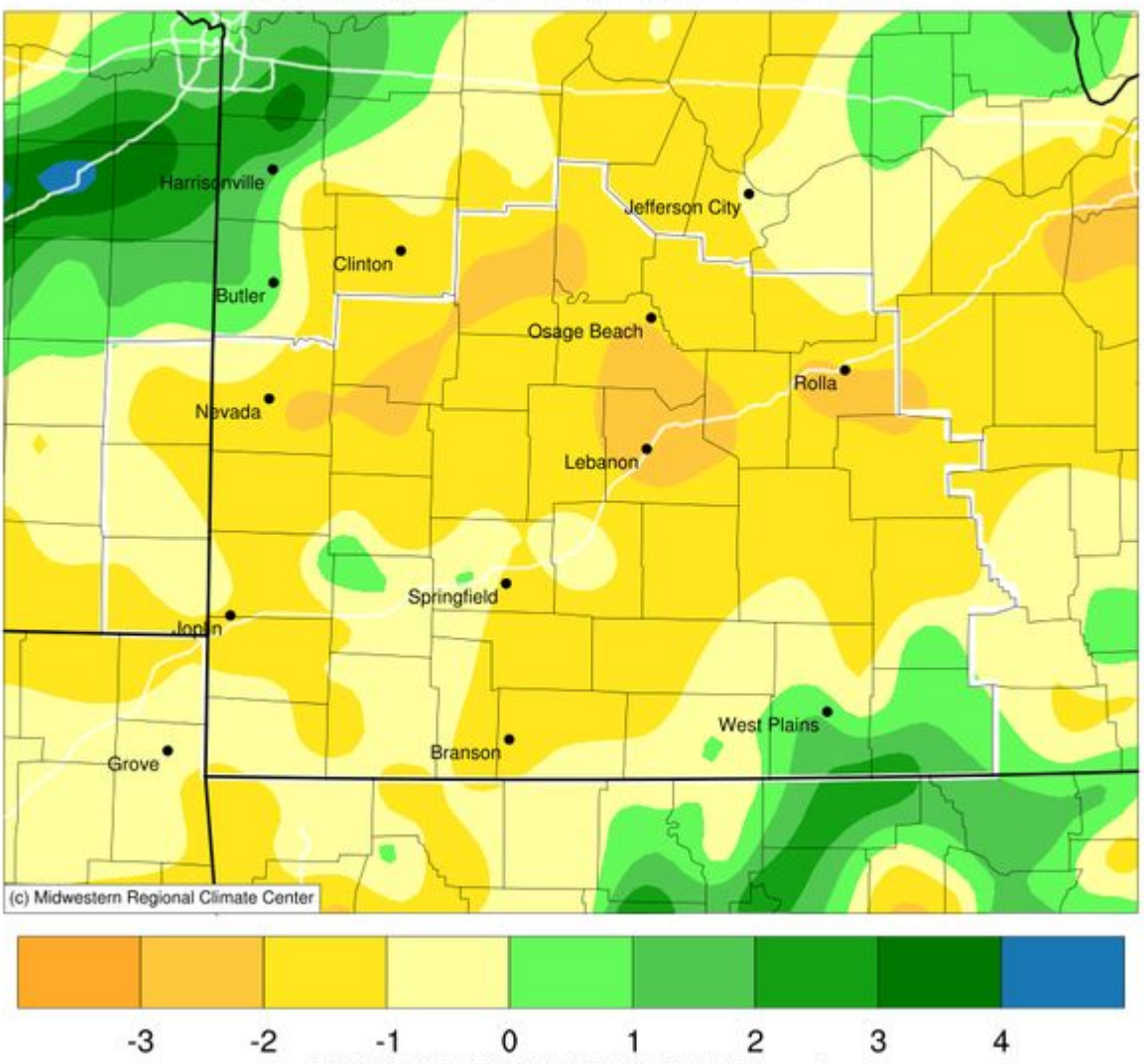
Monthly Climate Summary

October 2023 - Monthly Departure Maps

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



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





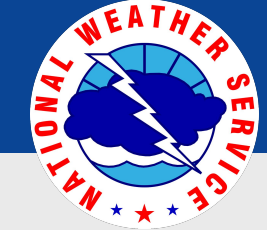
Monthly Climate Summary

October 2023 - Records for the month

List of October 2023 Records

Date	Station	Record
Oct 5th	Joplin	Record rainfall of 1.26 inches broke the old record of 1.18 inches set in 1955.
Oct 23rd	Vichy	Record high of 83 broke the old record of 82 set in 1899.
Oct 25th	Joplin	Record warmest low temperature of 67 broke the old record of 64 set in 1963.
Oct 25th	West Plains	Record warmest low temperature of 65 broke the old record of 59 set in 1991.
Oct 25th	Vichy	Record warmest low of 67 broke the old record of 63 set in 1963.
Oct 30th	Vichy	Record low of 22 broke the old record of 28 set in 1954.
Oct 31st	West Plains	Record low of 23 broke the old record of 24 set in 1949.
Oct 31st	Vichy	Record low of 22 tied the old record set in 1898.





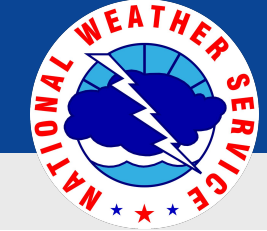
Monthly Climate Summary

Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
November	57.3	36.2	3.56	0.6
December	47.0	27.8	2.61	4.4
January	44.3	24.2	2.54	3.3
Joplin				
Month	High	Low	Precip.	
November	58.4	37.1	3.33	
December	47.8	28.5	2.60	
January	44.8	25.0	1.92	

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
November	57.1	36.1	4.34
December	47.2	27.8	3.12
January	44.4	24.6	2.63
Rolla / Vichy			
Month	High	Low	Precip.
November	54.9	35.2	3.45
December	44.3	26.6	2.31
January	40.8	22.4	2.22



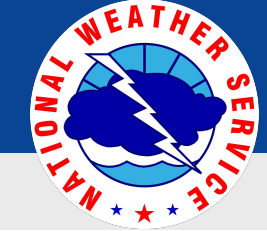


Monthly Climate Summary

October 2023 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
10/1/2023	89	65	77.0	12.6	0	0	0
10/2/2023	86	64	75.0	10.9	0	0	0
10/3/2023	81	64	72.5	8.8	0	0	0
10/4/2023	69	63	66.0	2.7	1.53	0	0
10/5/2023	77	57	67.0	4.1	1.14	0	0
10/6/2023	70	41	55.5	-7.0	T	0	0
10/7/2023	62	37	49.5	-12.6	0	0	0
10/8/2023	73	40	56.5	-5.2	0	0	0
10/9/2023	73	49	61.0	-0.3	0	0	0
10/10/2023	73	43	58.0	-2.9	0	0	0
10/11/2023	80	56	68.0	7.4	0	0	0
10/12/2023	68	57	62.5	2.3	0	0	0
10/13/2023	68	52	60.0	0.2	0.08	0	0
10/14/2023	57	48	52.5	-6.9	T	0	0
10/15/2023	56	43	49.5	-9.5	0.08	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
10/16/2023	61	39	50	-8.6	0	0	0
10/17/2023	68	38	53	-5.2	0	0	0
10/18/2023	77	47	62	4.2	T	0	0
10/19/2023	69	51	60	2.6	0	0	0
10/20/2023	76	50	63	5.9	0	0	0
10/21/2023	82	50	66	9.3	0	0	0
10/22/2023	74	47	60.5	4.2	0	0	0
10/23/2023	81	55	68	12.1	0	0	0
10/24/2023	76	65	70.5	15	T	0	0
10/25/2023	79	66	72.5	17.4	T	0	0
10/26/2023	76	64	70	15.3	0.04	0	0
10/27/2023	80	44	62	7.7	T	0	0
10/28/2023	46	40	43	-10.9	0.92	0	0
10/29/2023	41	33	37	-16.5	0.45	0	0
10/30/2023	42	25	33.5	-19.6	0	0	0
10/31/2023	42	23	32.5	-20.2	0	0	0

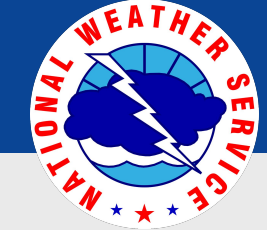


Monthly Climate Summary

October 2023 - Joplin Daily Data

Date	Ma x	Min	Avg.	Depart	Precip.
10/1/2023	88	66	77.0	12.2	0.00
10/2/2023	87	65	76.0	11.5	0.00
10/3/2023	83	66	74.5	10.4	T
10/4/2023	77	65	71.0	7.3	1.26
10/5/2023	79	58	68.5	5.2	0.07
10/6/2023	70	39	54.5	-8.5	0.00
10/7/2023	63	35	49.0	-13.6	0.00
10/8/2023	75	43	59.0	-3.2	0.00
10/9/2023	74	48	61.0	-0.9	0.00
10/10/2023	75	45	60.0	-1.5	0.00
10/11/2023	81	63	72.0	10.9	0.00
10/12/2023	76	59	67.5	6.7	0.00
10/13/2023	67	50	58.5	-1.9	0.42
10/14/2023	58	48	53.0	-7.0	0.00
10/15/2023	58	43	50.5	-9.2	0.02

Date	Ma x	Min	Avg.	Depart	Precip.
10/16/2023	65	39	52.0	-7.3	0.00
10/17/2023	68	39	53.5	-5.4	0.00
10/18/2023	76	51	63.5	4.9	T
10/19/2023	72	47	59.5	1.3	0.00
10/20/2023	80	47	63.5	5.6	0.00
10/21/2023	86	51	68.5	11.0	0.00
10/22/2023	78	51	64.5	7.4	0.00
10/23/2023	82	57	69.5	12.8	0.00
10/24/2023	75	64	69.5	13.1	0.09
10/25/2023	78	67	72.5	16.5	0.02
10/26/2023	79	66	72.5	16.9	0.06
10/27/2023	74	45	59.5	4.2	0.10
10/28/2023	47	39	43.0	-11.9	0.45
10/29/2023	40	35	37.5	-17.0	0.91
10/30/2023	43	25	34.0	-20.1	0.00
10/31/2023	43	22	33.0	-21.0	0.00

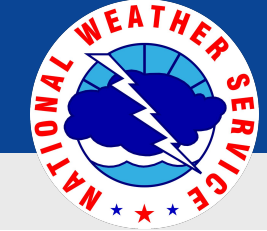


Monthly Climate Summary

October 2023 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
10/1/2023	87	60	73.5	10.1	0.00
10/2/2023	87	56	71.5	8.4	0.00
10/3/2023	82	60	71.0	8.3	0.00
10/4/2023	68	60	64.0	1.7	1.40
10/5/2023	76	58	67.0	5.1	0.23
10/6/2023	72	46	59.0	-2.6	0.00
10/7/2023	64	41	52.5	-8.7	0.00
10/8/2023	70	38	54.0	-6.8	0.00
10/9/2023	75	48	61.5	1.1	0.00
10/10/2023	72	40	56.0	-4.1	0.00
10/11/2023	79	49	64.0	4.3	0.00
10/12/2023	70	53	61.5	2.2	0.00
10/13/2023	70	51	60.5	1.5	0.06
10/14/2023	59	50	54.5	-4.1	T
10/15/2023	60	45	52.5	-5.7	0.04

Date	Max	Min	Avg.	Depart	Precip.
10/16/2023	64	39	51.5	-6.4	0.00
10/17/2023	68	38	53.0	-4.5	0.00
10/18/2023	72	47	59.5	2.4	0.00
10/19/2023	73	52	62.5	5.8	0.00
10/20/2023	76	48	62.0	5.6	0.00
10/21/2023	85	48	66.5	10.5	0.00
10/22/2023	71	44	57.5	1.9	0.00
10/23/2023	78	48	63.0	7.7	0.00
10/24/2023	77	64	70.5	15.6	0.00
10/25/2023	79	65	72.0	17.5	0.02
10/26/2023	74	63	68.5	14.4	0.08
10/27/2023	82	52	67.0	13.2	0.30
10/28/2023	52	43	47.5	-5.9	0.48
10/29/2023	47	37	42.0	-11.0	1.17
10/30/2023	46	28	37.0	-15.6	0.00
10/31/2023	46	23	35.0	-17.0	0.00

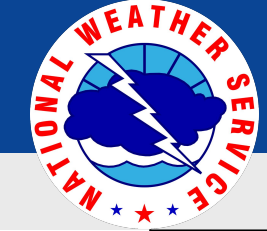


Monthly Climate Summary

October 2023 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
10/1/2023	88	61	74.5	11.8	0.00
10/2/2023	69	57	63.0	0.7	0.00
10/3/2023	M	M	M	M	0.00
10/4/2023	70	62	66.0	4.4	0.28
10/5/2023	77	58	67.5	6.3	0.81
10/6/2023	68	40	54.0	-6.9	0.00
10/7/2023	62	39	50.5	-10.0	0.00
10/8/2023	73	37	55.0	-5.1	0.00
10/9/2023	70	42	56.0	-3.8	0.00
10/10/2023	70	37	53.5	-5.9	T
10/11/2023	81	53	67.0	8.0	0.00
10/12/2023	76	57	66.5	7.8	0.00
10/13/2023	71	54	62.5	4.2	0.16
10/14/2023	57	51	54.0	-3.9	0.08
10/15/2023	56	42	49.0	-8.5	0.11

Date	Max	Min	Avg.	Depart	Precip.
10/16/2023	65	39	52.0	-5.2	0.00
10/17/2023	67	37	52.0	-4.8	0.00
10/18/2023	75	47	61.0	4.6	T
10/19/2023	66	49	57.5	1.5	0.00
10/20/2023	73	46	59.5	3.9	0.00
10/21/2023	81	51	66.0	10.7	0.00
10/22/2023	71	43	57.0	2.1	0.00
10/23/2023	83	49	66.0	11.5	0.00
10/24/2023	80	64	72.0	17.9	T
10/25/2023	78	67	72.5	18.8	T
10/26/2023	74	64	69.0	15.7	0.05
10/27/2023	84	45	64.5	11.6	0.00
10/28/2023	45	39	42.0	-10.5	0.43
10/29/2023	43	35	39.0	-13.1	0.38
10/30/2023	43	22	32.5	-19.2	0.00
10/31/2023	42	22	32.0	-19.0	0.00



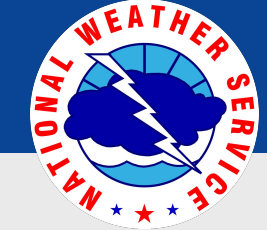
Monthly Climate Summary

October 2023 - Precipitation Report

Station	Amount
GOLDEN CITY 6 S	5.68
WEST PLAINS	5.65
Twin Pines Conservation	5.49
WINONA 3 SW	5.09
SPRINGFIELD WFO	4.69
ALTON	4.67
TECUMSEH 1W	4.53
SPRINGFIELD WSO AP	4.24
MILLER	3.86
LOCKWOOD	3.86
PITTSBURG	3.82
CASSVILLE 4.8 SSE	3.80
WEST PLAINS MUNICIPAL A	3.78
CASSVILLE 1 NE	3.77
LTSP	3.70
ANDERSON 3W	3.62
ANDERSON 6.8 W	3.50

Station	Amount
JOPLIN REGIONAL AIRPORT	3.40
MONETT 4SW	3.38
BILLINGS 1SW	3.38
WILLARD 5.8 NNE	3.32
MARSHFIELD 4 WSW	3.28
WILLARD 2.6 W	3.16
ASH GROVE 4S	3.09
EMERALD BEACH 5.5 E	3.09
GIRARD	3.08
KIMBERLING CITY 1.5 WNW	3.06
Mt Vernon	3.03
SHELL KNOB 5.6 ESE	3.01
Journagan Ranch	3.01
BROOKLINE 2.3 NNW	2.91
SELIGMAN 3.0 N	2.84
BRANSON AIRPORT	2.83
COLUMBUS	2.80

Station	Amount
WEST PLAINS 1.5 NW	2.74
WEST PLAINS 8.8 E	2.62
POMME DE TERRE DAM	2.58
SALEM 10 W	2.58
ASH GROVE 0.4 SSW	2.54
LAKESIDE	2.50
MONTAUK STATE PARK	2.50
OZARK BEACH 2 NNE	2.48
ANDERSON 4.2 W	2.46
APPLETON CITY	2.46
WALNUT GROVE 5.2 SE	2.46
NEOSHO	2.45
SHOAL CREEK ESTATES 0.2	2.45
WASOLA 5N	2.43
TANEYVILLE 3.9 NNE	2.42
WEST PLAINS 2.2 NNW	2.42
FORT LEONARD WOOD	2.42



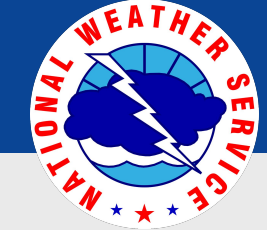
Monthly Climate Summary

October 2023 - Precipitation Report

Station	Amount
COLE CAMP 3NW	2.40
HOUSTON	2.40
ELDON	2.39
SUMMERVILLE 3.6 S	2.39
GIRARD 4.6 W	2.38
BRANSON 3.2 NNW	2.38
FAIR GROVE 4.7 SSW	2.38
EMINENCE 4.7 ESE	2.34
Sinkin Forest	2.33
LAMAR 7N	2.30
VICHY ROLLA NATL AP	2.30
NEOSHO 3.9 WNW	2.29
TECUMSEH 2.2 SE	2.29
NEOSHO 2.0 NNW	2.27
LICKING 4N	2.27
DIAMOND 2W	2.26
FORT SCOTT	2.26

Station	Amount
SPRINGFIELD 0.7 ENE	2.23
HARTVILLE	2.23
GREENFIELD 2.9 WSW	2.22
CARTHAGE 1.5 S	2.20
JOPLIN 1.3 NW	2.20
PIERCE CITY 5.0 NE	2.15
CARL JUNCTION 3.1 WSW	2.12
CLEVER 7.2 SE	2.11
GAINESVILLE 6.2 ENE	2.10
WALNUT 4S	2.08
CAPE FAIR 2.1 N	2.08
MOUNT VERNON 1.3 NNW	2.05
NEVADA WATER PLANT	2.03
PITTSBURG 4.9 WSW	2.01
MANSFIELD	2.01
MOUNTAIN GROVE 14.0 S	2.01
IBERIA	1.99

Station	Amount
FAIR PLAY 1.3 E	1.98
CASSVILLE 0.5 SW	1.97
GALENA	1.95
DORA 3SE	1.94
WEST PLAINS 10.6 S	1.94
MILLER 9.2 WNW	1.93
HALF WAY 0.8 WNW	1.92
JOPLIN 24 N	1.91
Schell-Osage	1.89
MARSHFIELD 1.4 W	1.88
CRANE 0.3 SW	1.85
GREENFIELD 2SE	1.84
SPRINGFIELD 1.0 SSE	1.84
NIXA 2.7 SSW	1.81
STRAFFORD 2.7 SW	1.81
CARTHAGE 3.8 SW	1.80
HOUSTON 4.5 ESE	1.80



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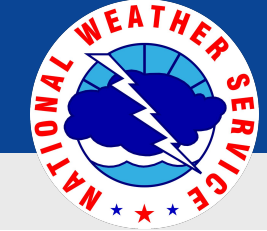
October 2023 - Precipitation Report

Station	Amount
AVA 6NW	1.79
OAKLAND PARK 0.6 ESE	1.77
MARIONVILLE 4.7 N	1.74
MOUNTAIN VIEW 7.0 NE	1.74
SUNDOWN 5.1 SE	1.73
ROLLA MISSOURI S&T	1.73
SPRINGFIELD 4.0 SW	1.69
TRUMAN DAM & RESERVOIR	1.69
AURORA 2.7 S	1.68
HOLLISTER 3.8 SW	1.68
SPRINGFIELD 4.9 SE	1.67
STOVER 3.2 SSE	1.67
MYRTLE 2.5 WNW	1.66
STOCKTON 5.6 S	1.61
ALDRICH 5.0 ESE	1.61
MORRISVILLE 2SW	1.60
CONWAY 8.9 SW	1.60

Station	Amount
FARLINGTON 0.8 NNE	1.59
BOLIVAR 1 NE	1.59
MARSHFIELD 0.9 SE	1.59
SPRINGFIELD 5.5 SSW	1.57
SARCOXIE 1.0 W	1.56
BOLIVAR 1.0 ENE	1.56
HARTVILLE 3.8 WNW	1.54
DEVON 0.1 SE	1.51
VERSAILLES 2.7 E	1.51
CARTHAGE 4.5 E	1.47
REPUBLIC 0.8 ESE	1.47
REPUBLIC 0.8 SE	1.47
PURDY 4.8 SSW	1.44
GOLDEN CITY 0.6 SSW	1.43
BATTLEFIELD 3.3 E	1.41
WAYNESVILLE 2 W	1.41
RAYMONDVILLE 3.5 SE	1.41

Station	Amount
SAVONBURG 4.1 ESE	1.40
BRANSON 3.8 E	1.40
BOLIVAR 9.0 N	1.40
HOUSTON 5.0 SE	1.39
TABLE ROCK DAM	1.35
MONETT 1.8 N	1.33
ARCOLA 2.1 SW	1.32
DIXON 5.2 NE	1.29
STARK CITY 5.5 ENE	1.28
KAISER LAKE OZARKS LEE	1.28
FORT LEONARD WOOD 5.4 S	1.28
BUFFALO 1.0 SW	1.27
WALNUT GROVE 5.8 NNW	1.26
MARSHFIELD 3.7 SE	1.26
HOUSTON 1.1 NE	1.26
VERONA 4.0 WNW	1.25
GREENFIELD 0.8 SSW	1.25

Station	Amount
STOVER 2.3 NW	1.25
STOCKTON 2.5 NNE	1.24
MOUNTAIN VIEW 7.9 W	1.22
SALEM 14.9 E	1.22
OSCEOLA 0.3 SW	1.21
THEODOSIA 6.2 SW	1.21
THEODOSIA 13.9 NE	1.20
BRUMLEY 5.6 SW	1.20
NEWBURG 9.6 SSW	1.20
FORT SCOTT 9.3 NNE	1.16
LAMAR 0.3 ESE	1.16
LEBANON 2W	1.15
HARTVILLE 0.5 SSE	1.13
LEBANON 6.3 N	1.13
COLLINS 5.5 WNW	1.12
ROUND SPRING 2SW	1.12
GREENFIELD 3.1 ENE	1.11



Monthly Climate Summary

October 2023 - Precipitation Report

Station	Amount
NEVADA 6.3 ESE	1.09
SALEM 1.8 NW	1.08
URBANA 2.7 NNE	1.07
ROLLA 8.2 SSE	1.06
MCCUNE 1.6 NW	1.04
COLE CAMP 0.4 SE	1.02
ROLLA 3.4 NW	1.02
WARSAW 3.8 NNE	1.01
GRAVOIS MILLS 8.4 S	1.00
ROLLA 7.6 SSE	1.00
ROLLA 3.7 WNW	0.99
STOCKTON 0.2 NW	0.98
SALEM 3.5 E	0.98
ROLLA 8.1 S	0.96
ST. JAMES 10.1 SSE	0.96
LEBANON 0.6 N	0.95
ROCKVILLE 7.9 E	0.94

Station	Amount
ST. JAMES 1.2 SE	0.94
PHILLIPSBURG 5.0 NW	0.92
PITTSBURG 1.0 ESE	0.90
MOUNTAIN GROVE 13.0 NNW	0.90
FLEMINGTON 2.6 S	0.89
STOCKTON DAM	0.88
STOCKTON 0.5 W	0.87
NEVADA 3.4 NE	0.86
ROLLA 1.3 S	0.86
ROLLA 6.4 S	0.86
LINCOLN 0.4 NNE	0.83
WAYNESVILLE 3.5 WSW	0.83
ROLLA 4.4 WSW	0.83
SALEM 11.7 NNW	0.81
ROLLA 8.1 SSE	0.81
ELDON 3.8 NW	0.80
ROLLA 1.6 ENE	0.80

Station	Amount
ROLLA 2.8 S	0.79
DUNNEGAN 2.4 NNW	0.78
ROLLA 0.9 SE	0.78
LEBANON 1.3 E	0.77
HERMITAGE 0.5 ESE	0.74
ROLLA 3.2 SSW	0.74
GOODSON 0.5 NNW	0.73
ROLLA 1.3 NE	0.68
NEVADA 0.2 W	0.65
HOUSTON 2.0 S	0.64
CRANE 0.7 SSW	0.63
VERSAILLES	0.58
ELDORADO SPRINGS	0.55
FORT SCOTT 0.6 SW	0.45
MANSFIELD 3.7 SSE	0.43
ROLLA 5.6 S	0.29