

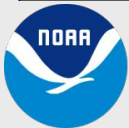


Yearly Climate Summary

2023 Overview

Monthly Climate Overview - Annual 2023

Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	100	103	102	104
Average Max. Temperature	69.8	71.5	69.9	68.9
Minimum Temperature	12	14	16	11
Average Min. Temperature	48.3	49.3	47.7	46.8
Average Mean Temperature	59.0	60.4	58.8	57.8
Departure from Normal	+1.6	+2.3	1.8	2.3
Temperature Rank	5th warmest / 136	8th warmest / 96	5th warmest / 76	6th warmest / 79
Days of 90 degrees or warmer	39	62	41	45
# of Days of Highs of 32 or lower	5	3	3	8
# of Days of Lows of 32 or lower	74	73	73	73
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	43.05	32.5	38.66	26.96
Departure from Normal	-1.66	-13.08	-8.59	-16.11
Precipitation Rank	63rd wettest / 136	18th driest / 114	25th driest / 76	9th driest / 82
Days of 0.01" or more	108	97	104	96
Days of 0.10" or more	69	63	70	64
Days of 0.50" or more	29	25	26	16
Days of 1.00" or more	13	7	9	6
Annual Snowfall	7.3			



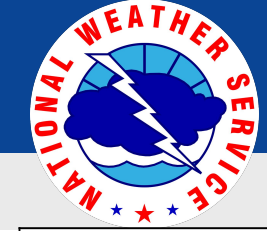


Yearly Climate Summary

2023 Monthly Temperatures and Departures from Normal

	Springfield		Joplin		West Plains		Vichy	
	Mean	Departure	Mean	Departure	Mean	Departure	Mean	Departure
January	39.0	+4.7	40.6	+5.7	40.1	+5.6	37.8	+6.2
February	43.3	+4.6	43.7	+4.3	44.2	+5.3	42.1	+6.0
March	45.7	-1.9	47.1	-1.5	46.5	-1.1	44.3	-1.3
April	56.8	-0.2	58.1	+0.2	56.1	-1.3	55.7	-0.1
May	67.2	+1.2	67.9	+1.4	66	+0.4	66.7	+2.0
June	74.5	-0.4	76.4	+0.8	74.2	+0.3	74.4	+1.3
July	79.9	+0.7	81.9	+2.0	78.5	+0.6	78.1	+0.7
August	78.7	+0.5	80.9	+1.9	78	+1.1	75.8	-0.5
September	72.2	+1.9	73.9	+3.2	70.9	+1.8	70.6	+2.3
October	59.2	+0.6	60.2	+0.9	59.3	+1.4	57.8	+0.7
November	48.9	+2.2	50.1	+2.3	48.6	+2.0	48.4	+3.3
December	43.0	+5.6	44	+5.9	43.4	+5.9	42.6	+7.2



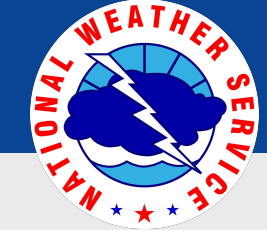


Yearly Climate Summary

2023 Monthly Temperatures and Departures from Normal

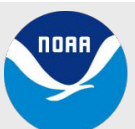
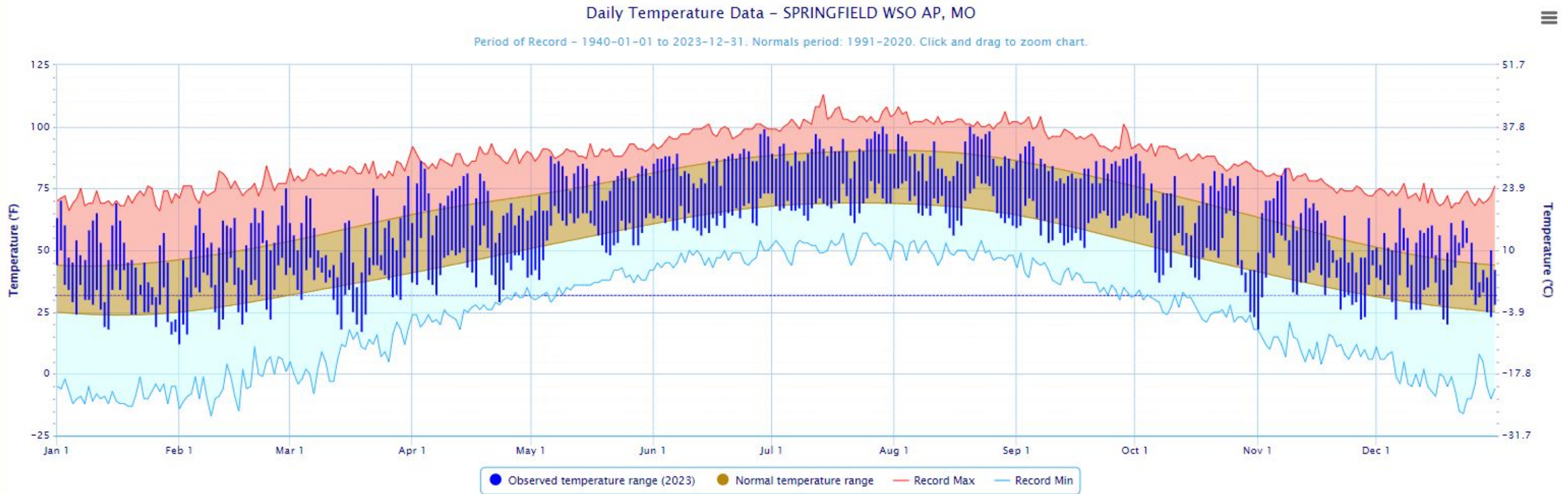
	Springfield		Joplin		West Plains		Vichy	
	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
January	2.82	0.28	1.66	-0.26	3.26	0.63	2.98	0.76
February	2.67	0.27	2.78	0.80	3.01	-0.10	2.75	0.69
March	6.78	3.27	3.09	-0.20	9.14	4.73	6.51	3.11
April	1.72	-2.99	0.73	-4.26	2.03	-3.28	0.05	-4.66
May	6.85	1.29	4.3	-2.26	3.99	-1.56	0.97	-4.38
June	1.99	-2.48	3.34	-2.26	1.92	-2.12	1.53	-2.93
July	3.67	-0.18	1.95	-2.02	2.75	-1.46	3.99	-0.44
August	6.20	2.61	3.85	0.49	2.47	-0.89	2.4	-1.26
September	3.71	-0.60	3.41	-0.77	3.15	0.06	1.25	-2.56
October	4.24	0.64	3.4	-0.40	3.78	-0.30	2.3	-0.91
November	1.28	-2.28	1.56	-1.77	1.49	-2.85	0.53	-2.92
December	1.12	-1.49	2.43	-0.17	1.67	-1.45	1.7	-0.61

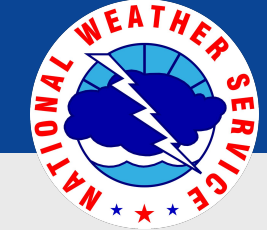




Annual Climate Summary

Springfield Temperature Chart



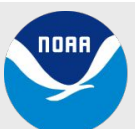
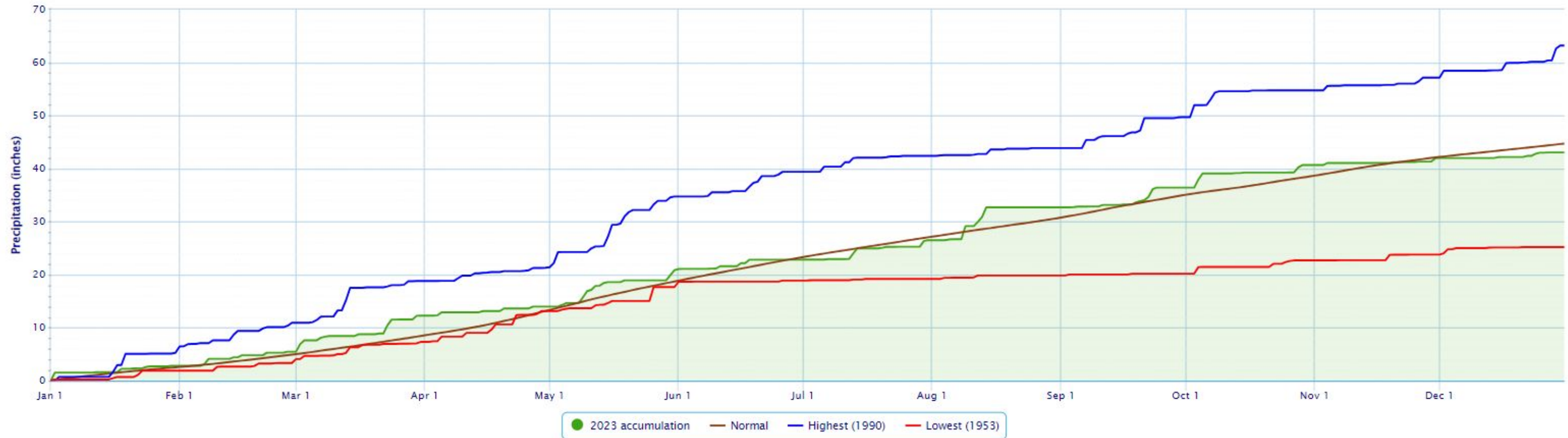


Annual Climate Summary

Springfield Precipitation Chart

Accumulated Precipitation – SPRINGFIELD WSO AP, MO

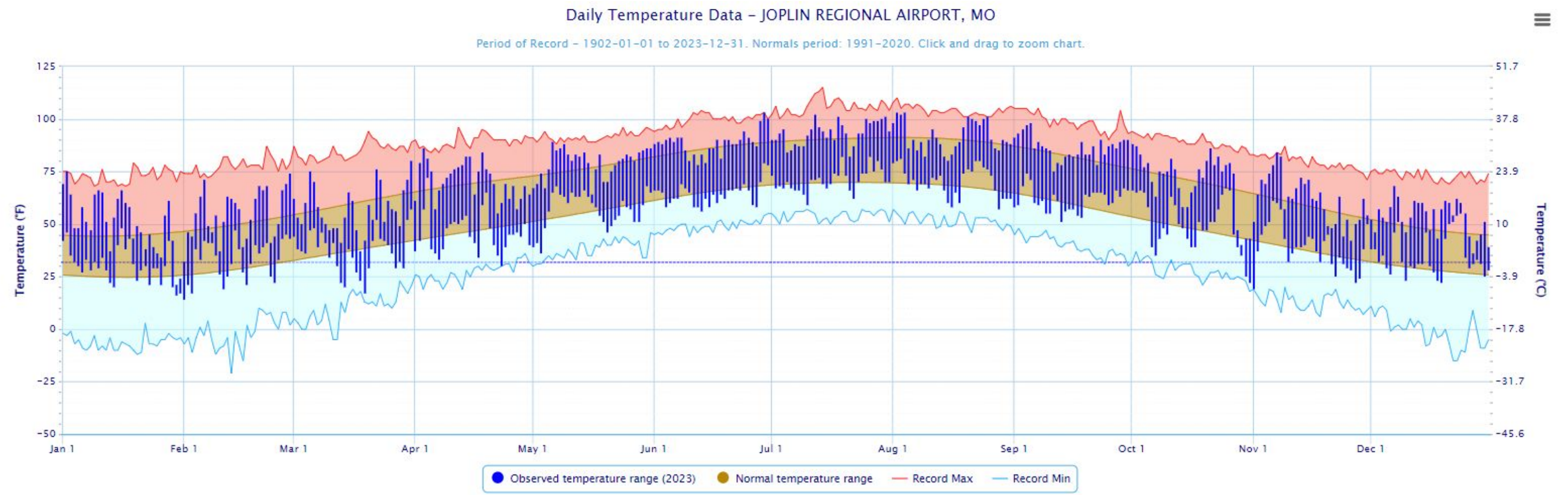
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

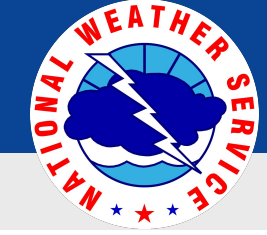




Annual Climate Summary

Joplin Temperature Chart



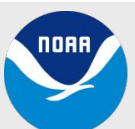
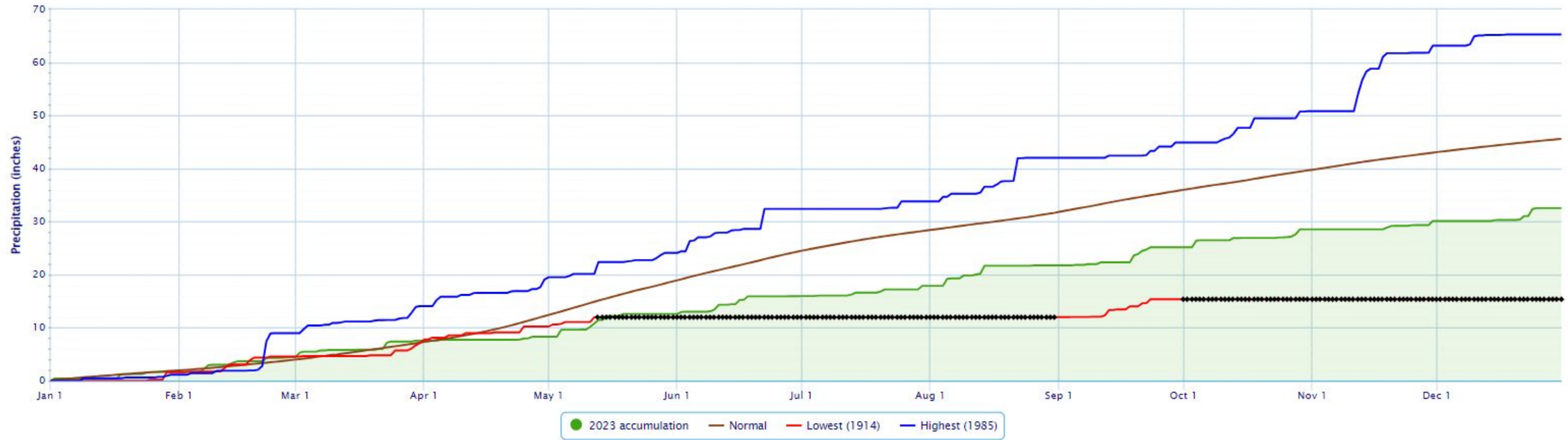


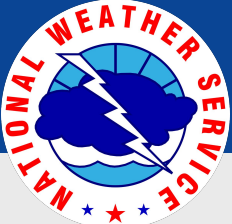
Annual Climate Summary

Joplin Precipitation Chart

Accumulated Precipitation – JOPLIN REGIONAL AIRPORT, MO

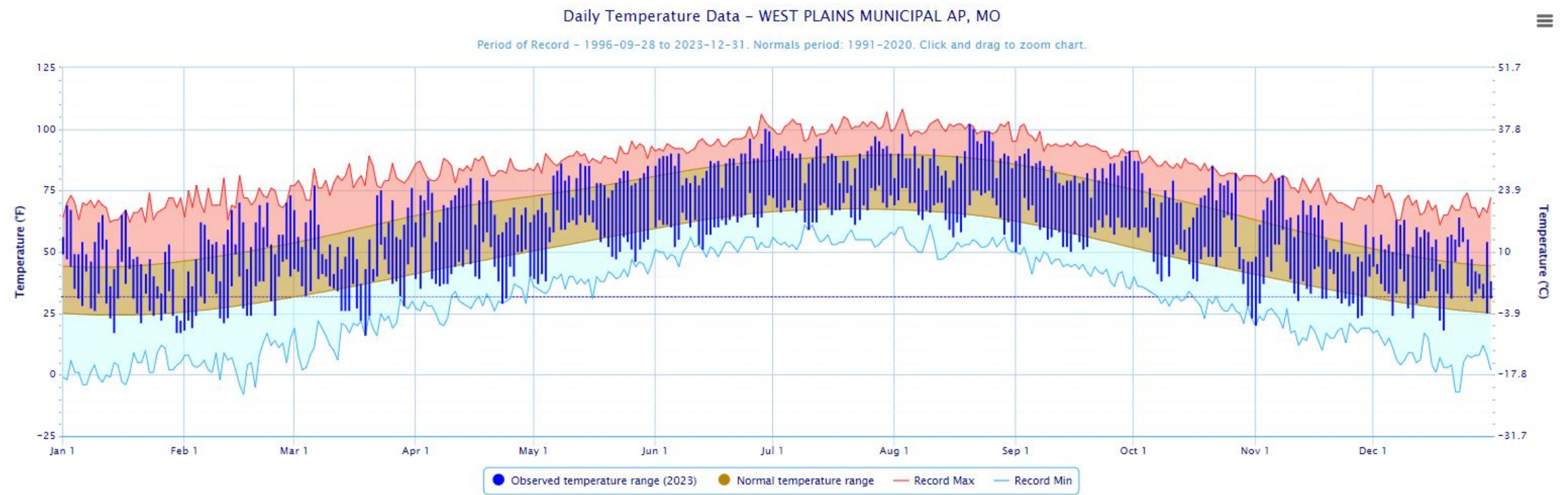
Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

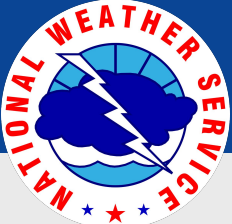




Annual Climate Summary

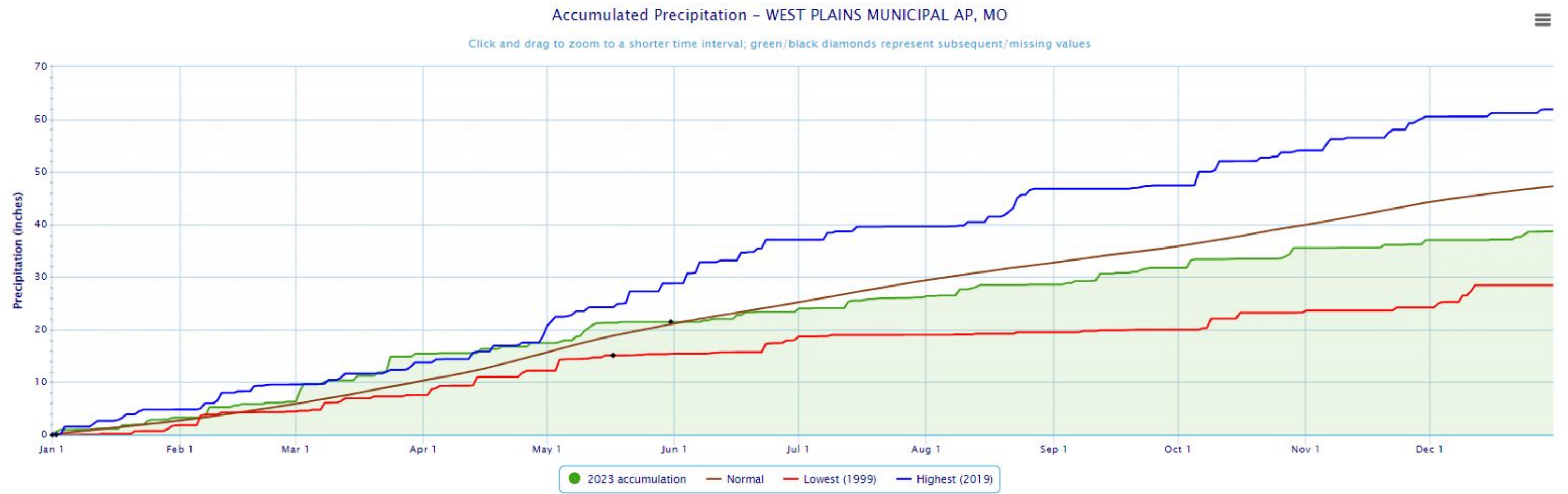
West Plains Temperature Chart

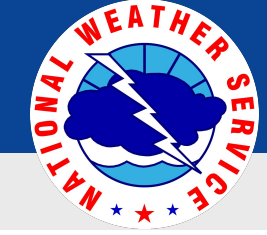




Annual Climate Summary

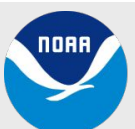
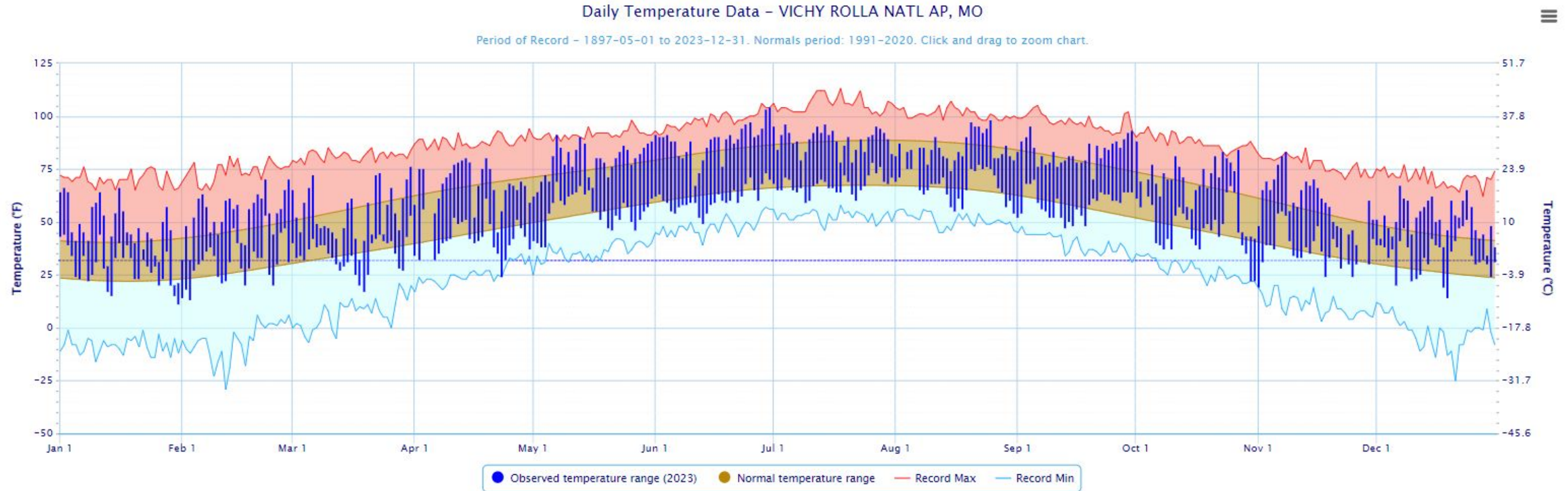
West Plains Precipitation Chart

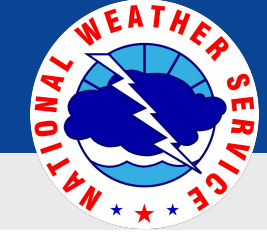




Annual Climate Summary

Rolla / Vichy Temperature Chart



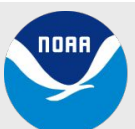
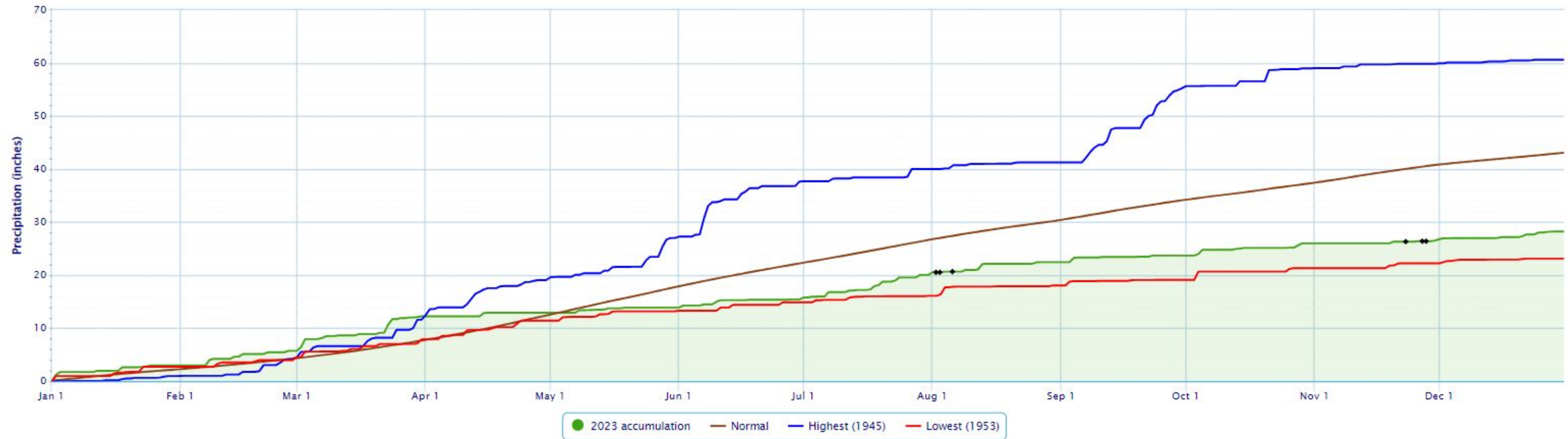


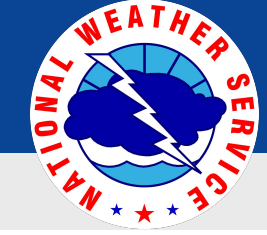
Annual Climate Summary

Rolla / Vichy Precipitation Chart

Accumulated Precipitation – VICHY ROLLA NATL AP, MO

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

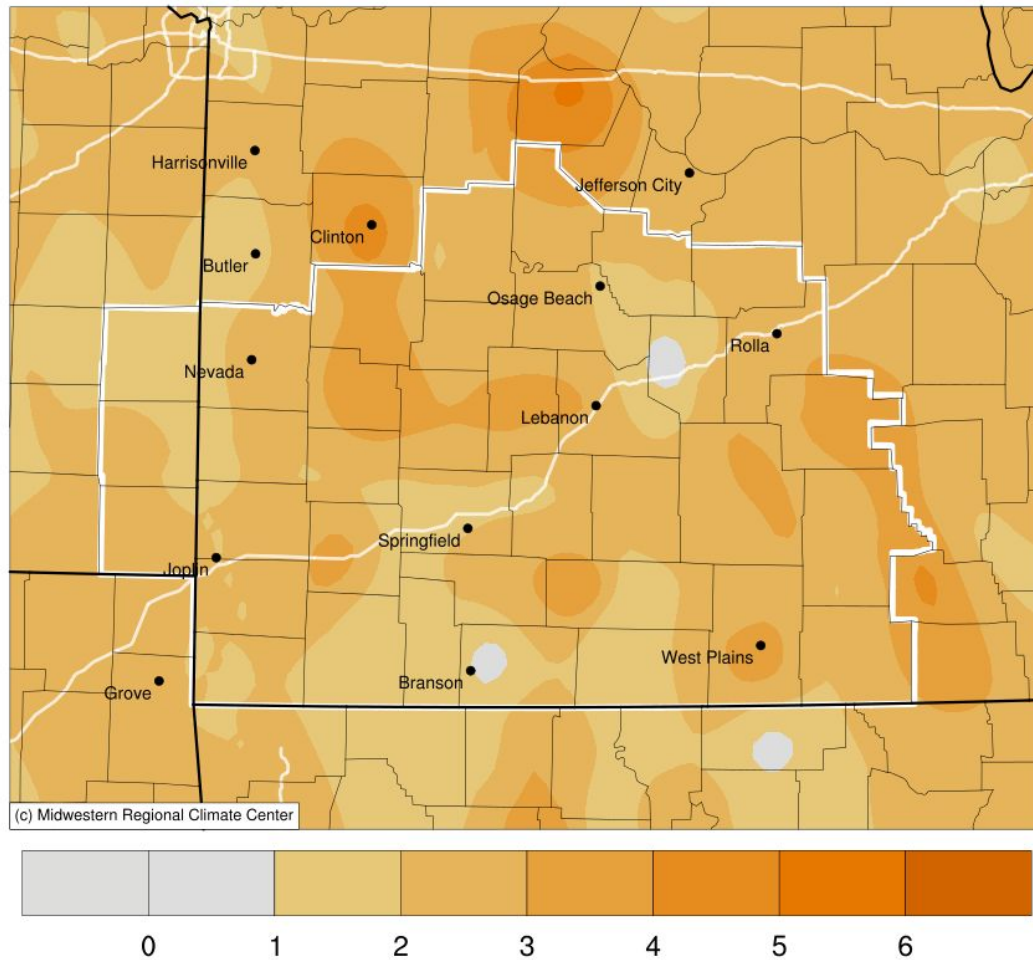




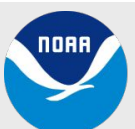
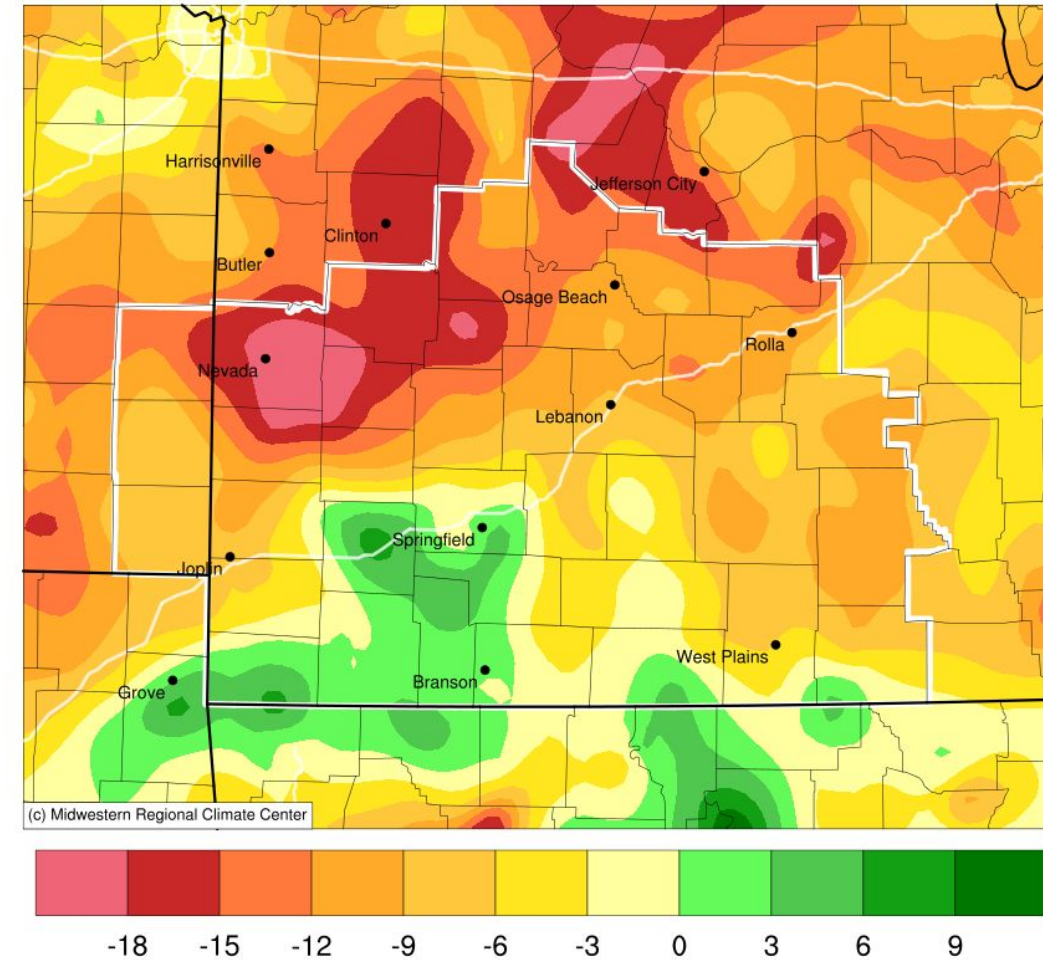
Annual Climate Summary

2023 - Annual Departure Maps

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



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





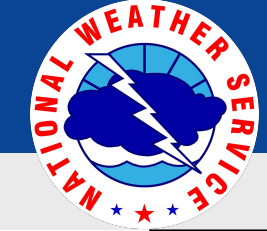
Monthly Climate Summary

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





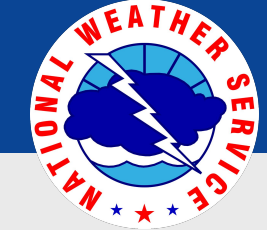
Annual Climate Summary

2023 Precipitation Report

Station	Amount
SPRINGFIELD 4.9 SE	59.44
MOUNT VERNON 1.3 NNW	56.90
ANDERSON 6.8 W	53.20
CLEVER 7.2 SE	53.01
MILLER	52.96
TECUMSEH 2.2 SE	52.90
CASSVILLE 4.8 SSE	52.52
ANDERSON 4.2 W	51.95
TECUMSEH 1W	51.32
ANDERSON 3W	50.78
HARTVILLE 0.5 SSE	50.52
BRANSON AIRPORT	50.46
GALENA	50.16
MILLER 9.2 WNW	49.83
BILLINGS 1SW	49.81
CRANE 0.7 SSW	49.36
CAPE FAIR 2.1 N	49.04

Station	Amount
NIXA 2.7 SSW	48.72
SPRINGFIELD 0.7 ENE	48.59
SPRINGFIELD 4.0 SW	48.39
EMERALD BEACH 5.5 E	48.20
BATTLEFIELD 3.3 E	48.11
CRANE 0.3 SW	48.02
OZARK	48.02
SELIGMAN 3.0 N	47.99
MARIONVILLE 4.7 N	47.93
MOUNTAIN GROVE 14.0 S	47.88
SPRINGFIELD 1.0 SSE	47.81
HARTVILLE 3.8 WNW	47.39
SPRINGFIELD WFO	47.38
OZARK BEACH 2 NNE	47.12
CASSVILLE 0.5 SW	47.11
BRANSON 3.8 E	47.02
ASH GROVE 4S	46.87

Station	Amount
HARTVILLE	46.70
MANSFIELD 3.7 SSE	46.70
CARTHAGE 1.5 S	46.54
CASSVILLE 1 NE	46.41
PURDY 4.8 SSW	46.23
NEOSHO	46.03
SUMMERSVILLE 3.6 S	46.00
HOLLISTER 3.8 SW	45.87
NEOSHO 2.0 NNW	45.54
MARSHFIELD 4 WSW	45.41
GOLDEN CITY 6 S	45.33
Mt Vernon	45.25
TABLE ROCK DAM	45.15
SHELL KNOB 5.6 ESE	44.93
WILLARD 2.6 W	44.90
WEST PLAINS 8.8 E	44.75
PIERCE CITY 5.0 NE	44.37



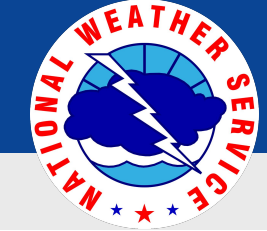
Annual Climate Summary

2023 - Precipitation Report

Station	Amount
WALNUT GROVE 5.2 SE	44.16
WILLARD 5.8 NNE	44.11
GAINESVILLE 6.2 ENE	43.93
HOUSTON	43.44
BRANSON 3.2 NNW	43.33
REPUBLIC 0.8 SE	43.29
AVA 0.8 NNW	43.21
WASOLA 5N	43.15
HALLTOWN 5NW	43.12
LICKING 4N	43.11
SPRINGFIELD WSO AP	43.05
WEST PLAINS	42.93
PITTSBURG	42.79
SUNDOWN 5.1 SE	42.77
ST. JAMES 10.1 SSE	42.73
SHOAL CREEK ESTATES 0.2	42.65
MONETT 4SW	42.63

Station	Amount
FAIR GROVE 4.7 SSW	42.58
ALTON	42.53
BROOKLINE 2.3 NNW	42.02
CARTHAGE 4.5 E	41.77
HOUSTON 1.1 NE	41.73
GOLDEN CITY 0.6 SSW	41.66
MYRTLE 2.5 WNW	41.61
LTSP	41.60
Journagan Ranch	41.52
LOCKWOOD	41.51
WINONA 3 SW	41.50
MOUNTAIN GROVE 13.0 NNW	41.40
WEST PLAINS 1.5 NW	41.39
Twin Pines Conservation	41.38
MARSHFIELD 1.4 W	41.30
JOPLIN 1.3 NW	41.24
KIMBERLING CITY 1.5 WNW	41.21

Station	Amount
TANEYVILLE 3.9 NNE	41.17
SARCOXIE 1.0 W	41.14
CARTHAGE 3.8 SW	41.11
HOUSTON 4.5 ESE	40.99
ROUND SPRING 2SW	40.98
NEOSHO 3.9 WNW	40.83
ASH GROVE 0.4 SSW	40.82
MOUNT VERNON 0.2 E	40.68
AURORA 2.7 S	40.48
FARLINGTON 0.8 NNE	40.38
CARL JUNCTION 3.1 WSW	40.29
MONETT 1.8 N	40.27
MARSHFIELD 3.7 SE	40.27
DORA 3SE	40.15
CONWAY 8.9 SW	39.99
ROLLA 3.7 WNW	39.68
SALEM 1.8 NW	39.56



Annual Climate Summary

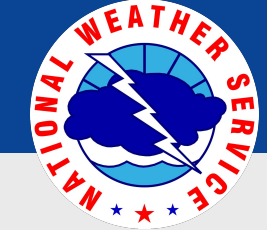
2023 - Precipitation Report

Station	Amount
STARK CITY 5.5 ENE	39.45
RAYMONDVILLE 3.5 SE	39.43
COLUMBUS	39.38
VERONA 4.0 WNW	39.36
STRAFFORD 2.7 SW	39.36
MOUNTAIN GROVE 2 N	39.10
CLEVER 4.0 ENE	39.07
ROLLA 4.4 WSW	38.99
WEST PLAINS 10.6 S	38.83
ROLLA 3.4 NW	38.80
GIRARD	38.79
Sinkin Forest	38.73
WEST PLAINS MUNICIPAL A	38.66
EMINENCE 4.7 ESE	38.57
BRUMLEY 5.6 SW	38.52
MANSFIELD	38.39
PHILLIPSBURG 5.0 NW	38.31

Station	Amount
ROLLA 8.2 SSE	38.30
JOPLIN 24 N	38.20
MONTAUK STATE PARK	38.14
ALTON 1.7 NNW	38.12
DIAMOND 2W	38.09
GREENFIELD 2.9 WSW	38.01
BUFFALO 1.0 SW	37.76
MORRISVILLE 2SW	37.75
HOUSTON 5.0 SE	37.72
LEBANON 0.6 N	37.65
SUMMERSVILLE 3 SE	37.53
WEST PLAINS 2.2 NNW	37.41
ROLLA 0.9 SE	37.41
FORT LEONARD WOOD 5.4 S	36.90
GIRARD 4.6 W	36.86
ROLLA 7.6 SSE	36.84
ROLLA 8.1 SSE	36.76

Station	Amount
SALEM 3.5 E	36.63
BOLIVAR 1 NE	36.51
ROLLA MISSOURI S&T	36.35
LEBANON 2W	36.31
ALDRICH 5.0 ESE	36.26
GREENFIELD 2SE	36.22
SALEM 14.9 E	36.22
MOUNTAIN VIEW 7.0 NE	36.14
DIXON 5.2 NE	36.14
SALEM 10 W	36.12
BOLIVAR 1.0 ENE	36.07
ROLLA 3.2 SSW	36.05
ROLLA 6.4 S	35.82
GREENFIELD 3.1 ENE	35.76
SALEM	35.70
VIENNA 4.3 NNW	35.70
MOUNTAIN VIEW 7.9 W	35.63

Station	Amount
ROLLA 2.8 S	35.57
ROLLA 3.3 WSW	35.55
IBERIA	35.46
BUFFALO 2N	35.44
NEWBURG 9.6 SSW	35.27
WAYNESVILLE 2 W	34.97
MARSHFIELD 0.9 SE	34.96
ROLLA 8.1 S	34.77
FORT LEONARD WOOD	34.68
FAIR PLAY 1.3 E	34.64
ROLLA 1.6 ENE	34.59
WALNUT GROVE 5.8 NNW	34.56
GOODSON 0.5 NNW	34.47
LEBANON 1.3 E	34.36
SALEM 11.7 NNW	34.31
REPUBLIC 0.8 ESE	34.20
BOLIVAR 9.0 N	34.06



Annual Climate Summary

2023 - Precipitation Report

Station	Amount
WARSAW 3.8 NNE	33.97
HALF WAY 0.8 WNW	33.91
GREENFIELD 0.8 SSW	33.78
WAYNESVILLE 3.5 WSW	33.50
ELDON	33.50
STOVER 2.3 NW	33.43
ST. JAMES 1.2 SE	33.20
COLE CAMP 3NW	32.82
KAISER LAKE OZARKS LEE	32.74
LEBANON 6.3 N	32.67
JOPLIN REGIONAL AIRPORT	32.53
GRAVOIS MILLS 8.4 S	32.25
ROCKVILLE 7.9 E	32.09
FLEMINGTON 2.6 S	32.06
THEODOSIA 13.9 NE	31.94
WHITE CHURCH 6 NNE	31.89
LAMAR 0.3 ESE	31.61

Station	Amount
ROLLA 1.3 NE	31.30
HOUSTON 2.0 S	31.19
APPLETON CITY	30.90
STOVER 3.2 SSE	30.84
STOCKTON 2.5 NNE	30.52
DEVON 0.1 SE	30.51
DUNNEGAN 2.4 NNW	30.29
LAKESIDE	30.13
COLE CAMP 0.4 SE	29.60
STOCKTON DAM	29.57
AVA 6NW	29.05
NEVADA 6.3 ESE	29.02
WALNUT 4S	29.01
NEVADA WATER PLANT	29.01
VERSAILLES	28.76
URBANA 2.7 NNE	28.56
VICHY ROLLA NATL AP	28.22

Station	Amount
LAMAR 7N	28.20
TRUMAN DAM & RESERVOIR	28.09
FORT SCOTT	27.92
STOCKTON 0.5 W	27.90
FORT SCOTT 9.3 NNE	27.88
JERICO SPRINGS 3S	27.78
LINCOLN 0.4 NNE	27.77
STOCKTON 0.2 NW	27.63
PITTSBURG 4.9 WSW	27.46
SAVONBURG 4.1 ESE	27.35
ELDORADO SPRINGS	26.91
ROLLA 5.6 S	26.79
STOCKTON 5.6 S	26.67
POMME DE TERRE DAM	26.56
NEVADA 3.4 NE	26.27
COLLINS 5.5 WNW	26.25
ROLLA 6.4 NNW	26.21