



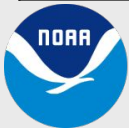
Monthly Climate Summary

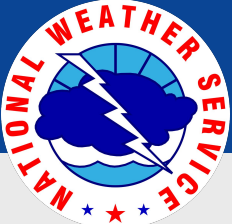
July 2, 2023
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July 2023 Overview

Monthly Climate Overview - July 2023

Category	Springfield	Joplin	West Plains	Vichy
Maximum Temperature	100	102	97	96
Average Max. Temperature	90.9	93.3	89.1	88.8
Minimum Temperature	61	59	59	59
Average Min. Temperature	68.9	70.6	68.0	67.4
Average Mean Temperature	79.9	81.9	78.5	78.1
Departure from Normal	+0.7	+2.0	0.6	0.7
Temperature Rank	28th warmest / 136	19th warmest / 93	28th warmest / 76	32nd warmest / 76
Days of 90 degrees or warmer	20	24	17	16
# of Days of Highs of 32 or lower	0	0	0	0
# of Days of Lows of 32 or lower	0	0	0	0
# of Days of 0 degrees or lower	0	0	0	0
Precipitation	3.67	1.95	2.75	3.99
Departure from Normal	-0.18	-2.02	-1.46	-0.44
Precipitation Rank	59th wettest / 136	32nd driest / 110	31st driest / 76	34th wettest / 79
Days of 0.01" or more	10	8	11	14
Days of 0.10" or more	7	5	5	9
Days of 0.50" or more	3	1	2	3
Days of 1.00" or more	2	0	1	0
Monthly Snowfall	0			



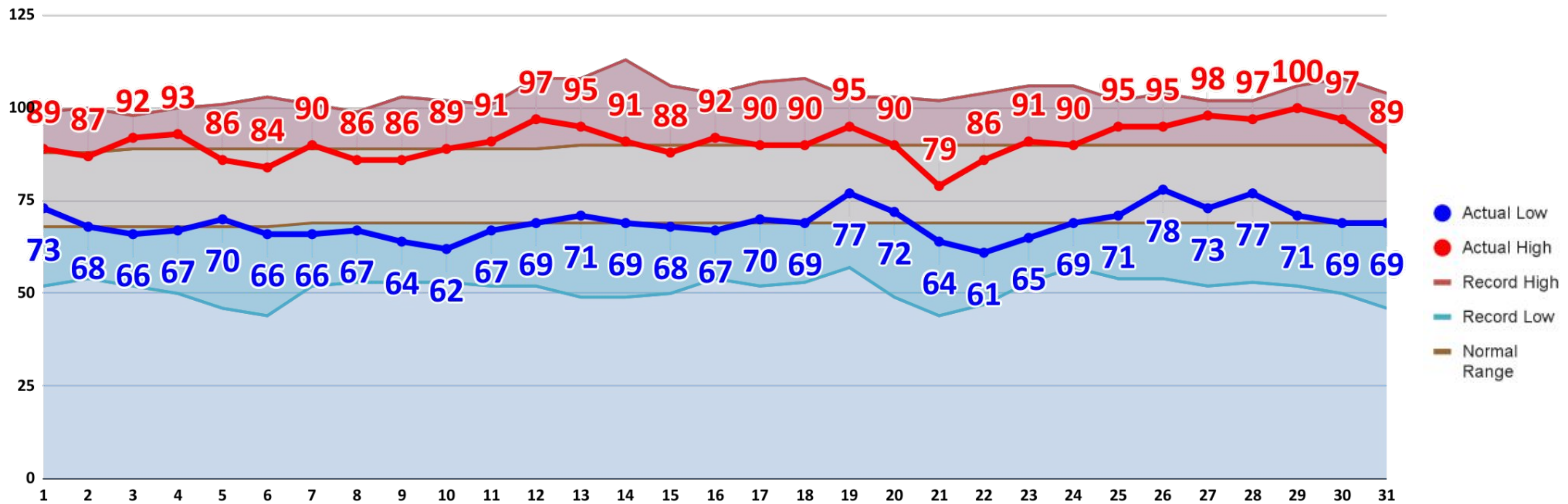


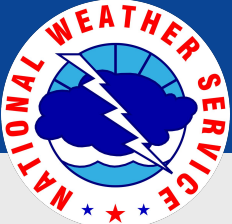
Monthly Climate Summary

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Springfield Temperature Chart

Springfield Temperatures July 2023



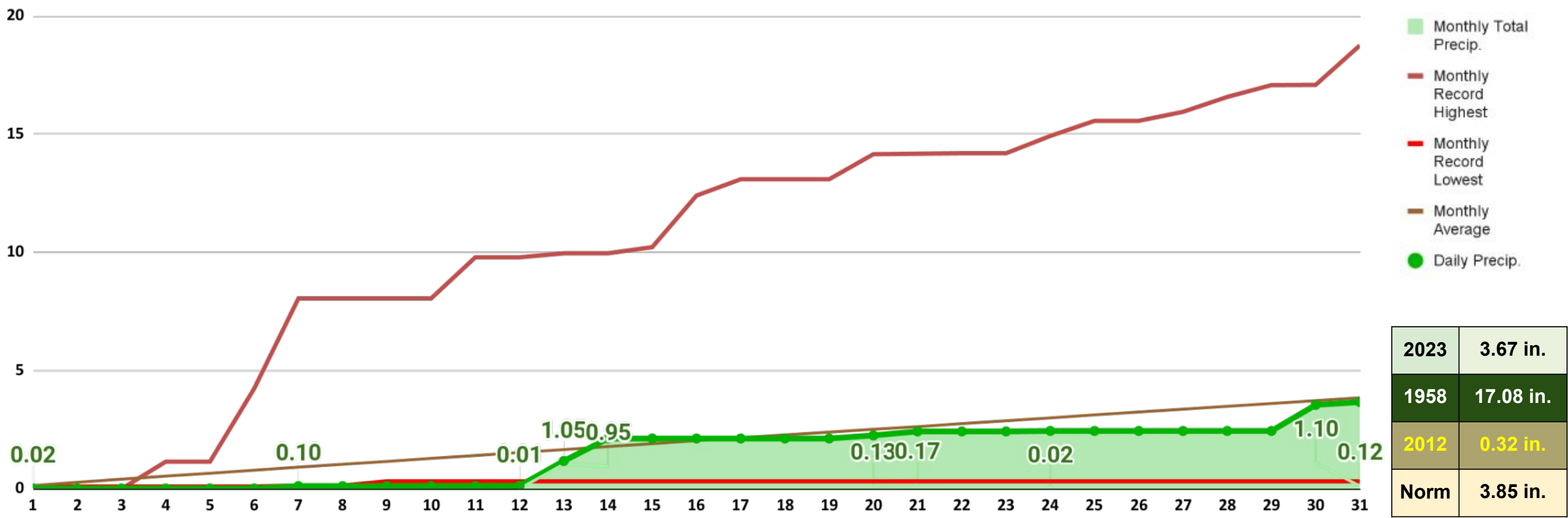


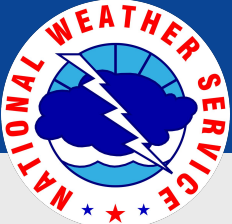
Monthly Climate Summary

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Springfield Precipitation Chart

Springfield Precipitation July 2023



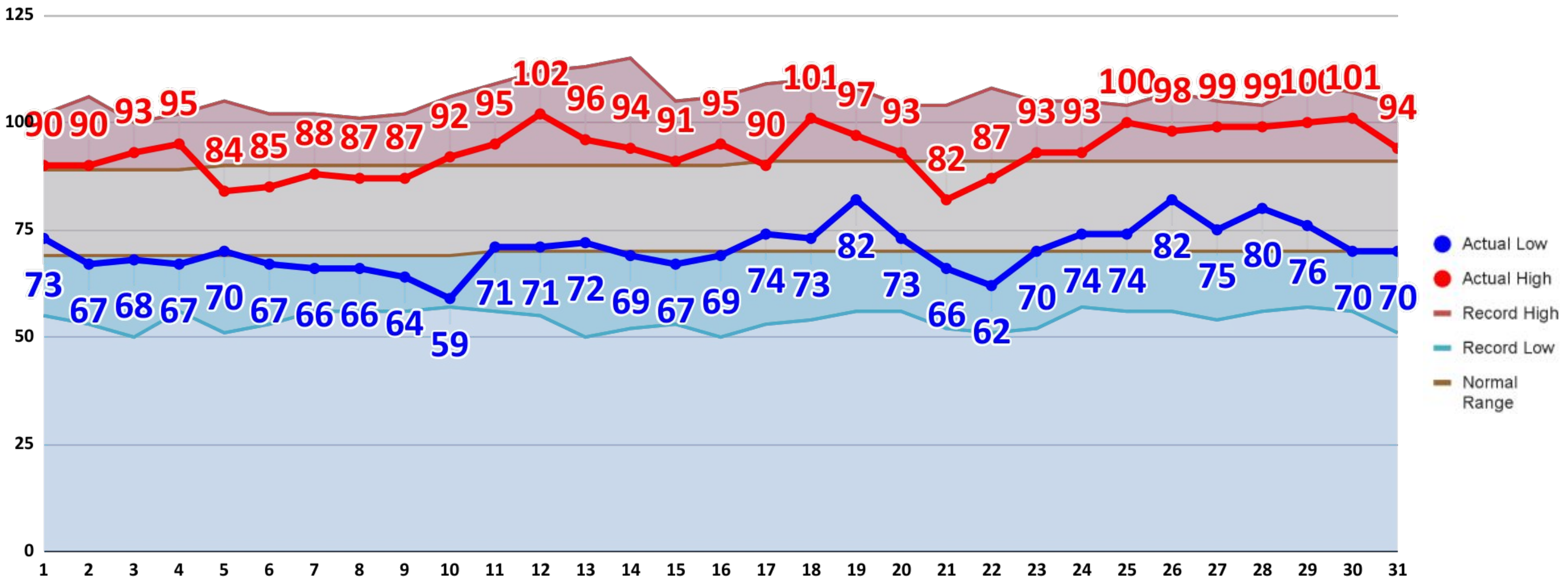


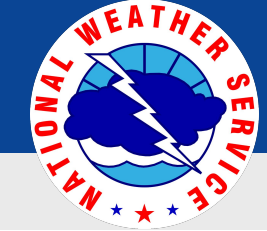
Monthly Climate Summary

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Joplin Temperature Chart

Joplin Temperatures July 2023



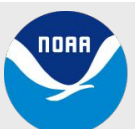
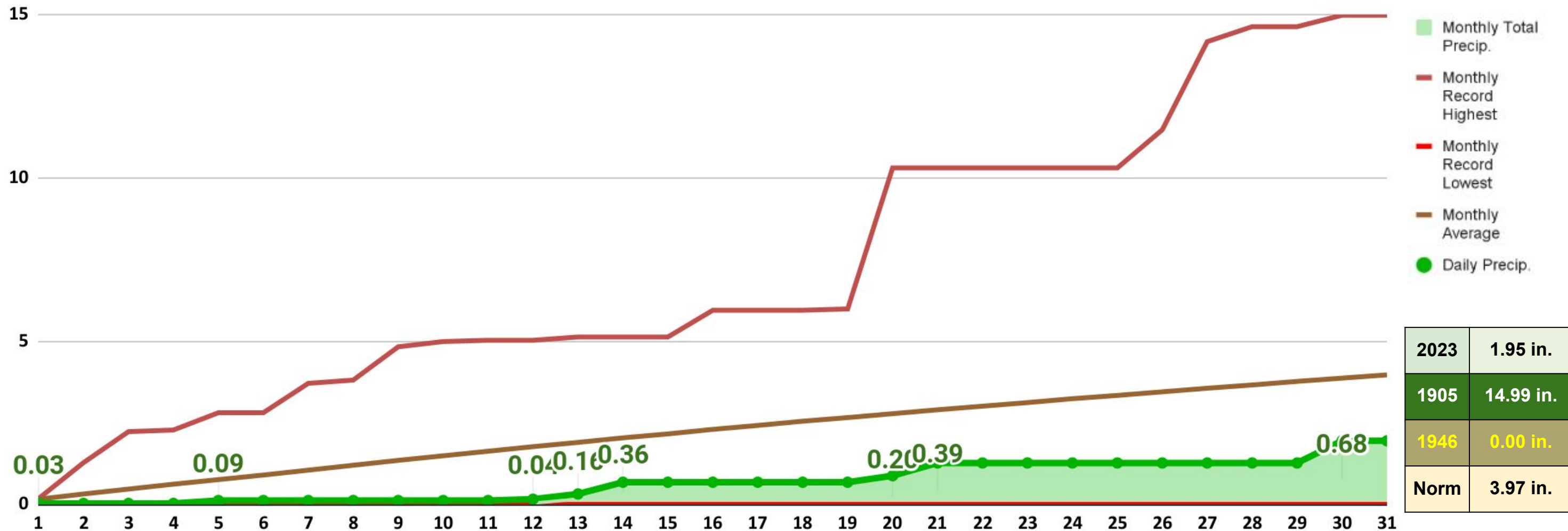


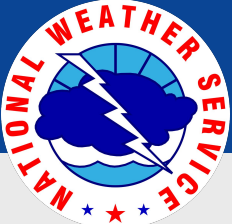
Monthly Climate Summary

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Joplin Precipitation Chart

Joplin Precipitation July 2023



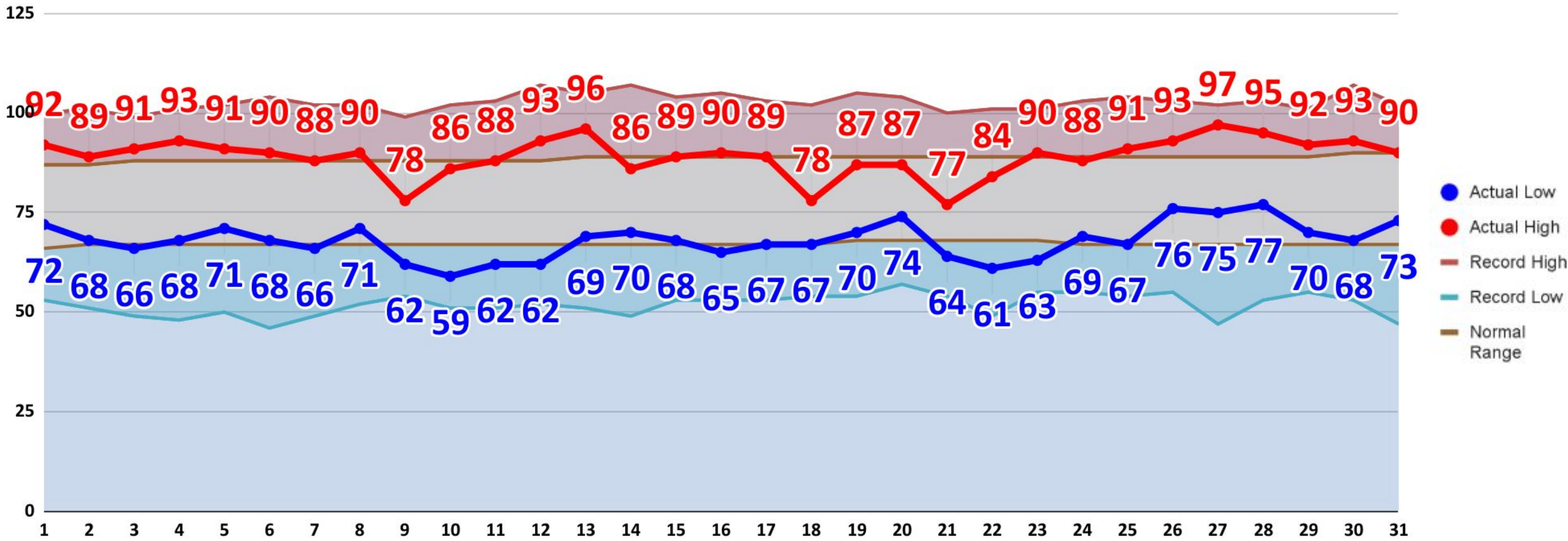


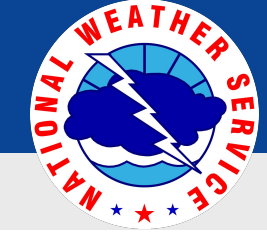
Monthly Climate Summary

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West Plains Temperature Chart

West Plains Temperatures July 2023



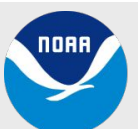
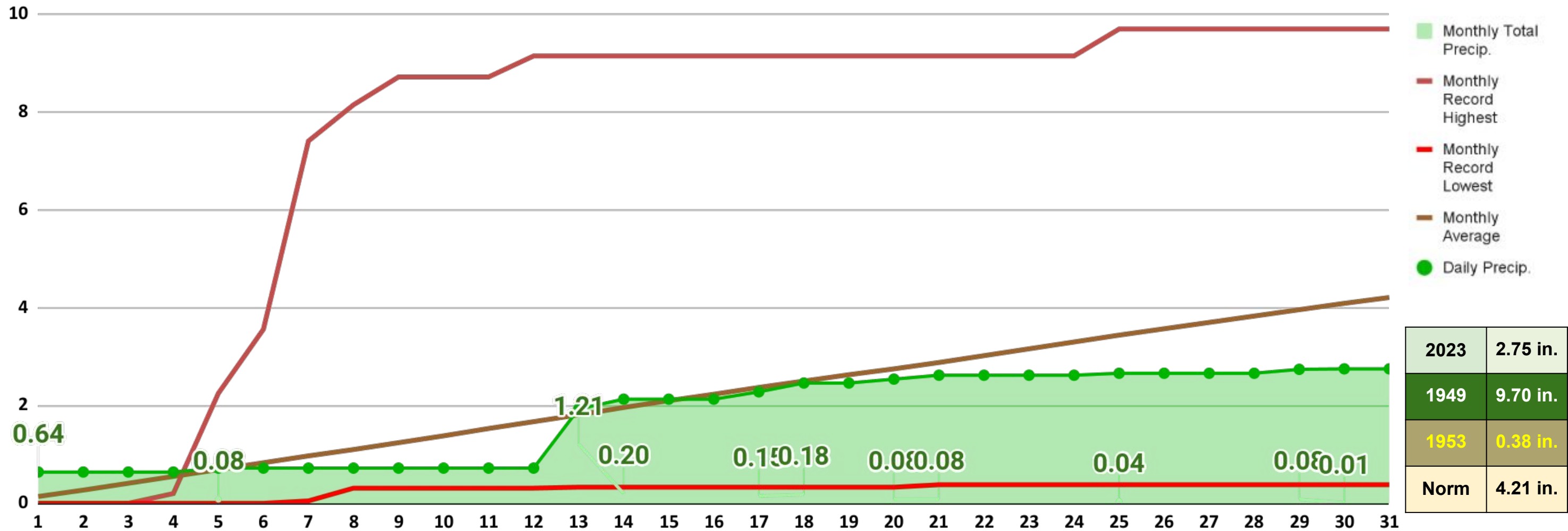


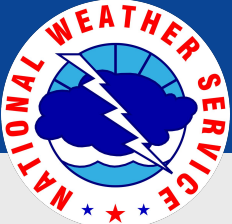
Monthly Climate Summary

July 2, 2023
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West Plains Precipitation Chart

West Plains Precipitation July 2023



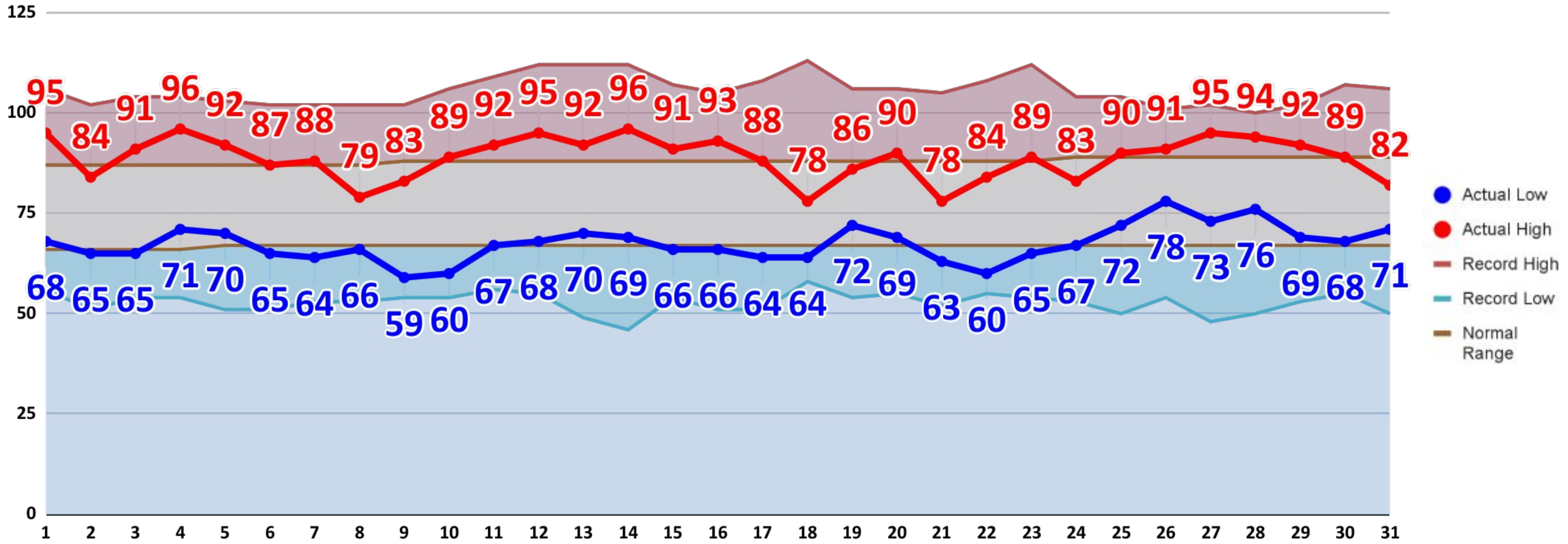


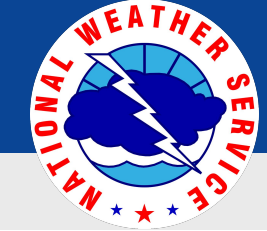
Monthly Climate Summary

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Rolla / Vichy Temperature Chart

Rolla / Vichy Temperatures July 2023



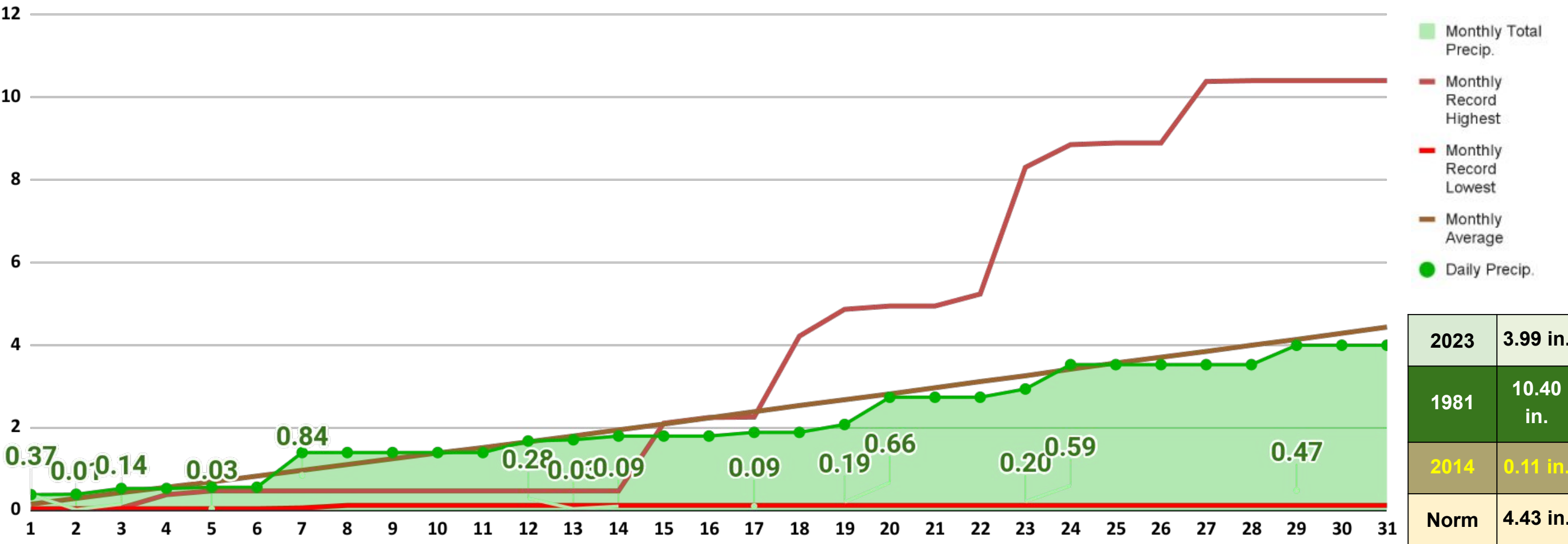


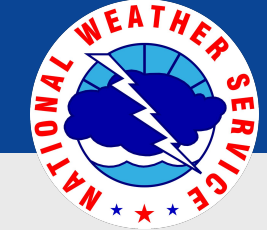
Monthly Climate Summary

July 2, 2023
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Rolla / Vichy Precipitation Chart

Rolla / Vichy Precipitation July 2023



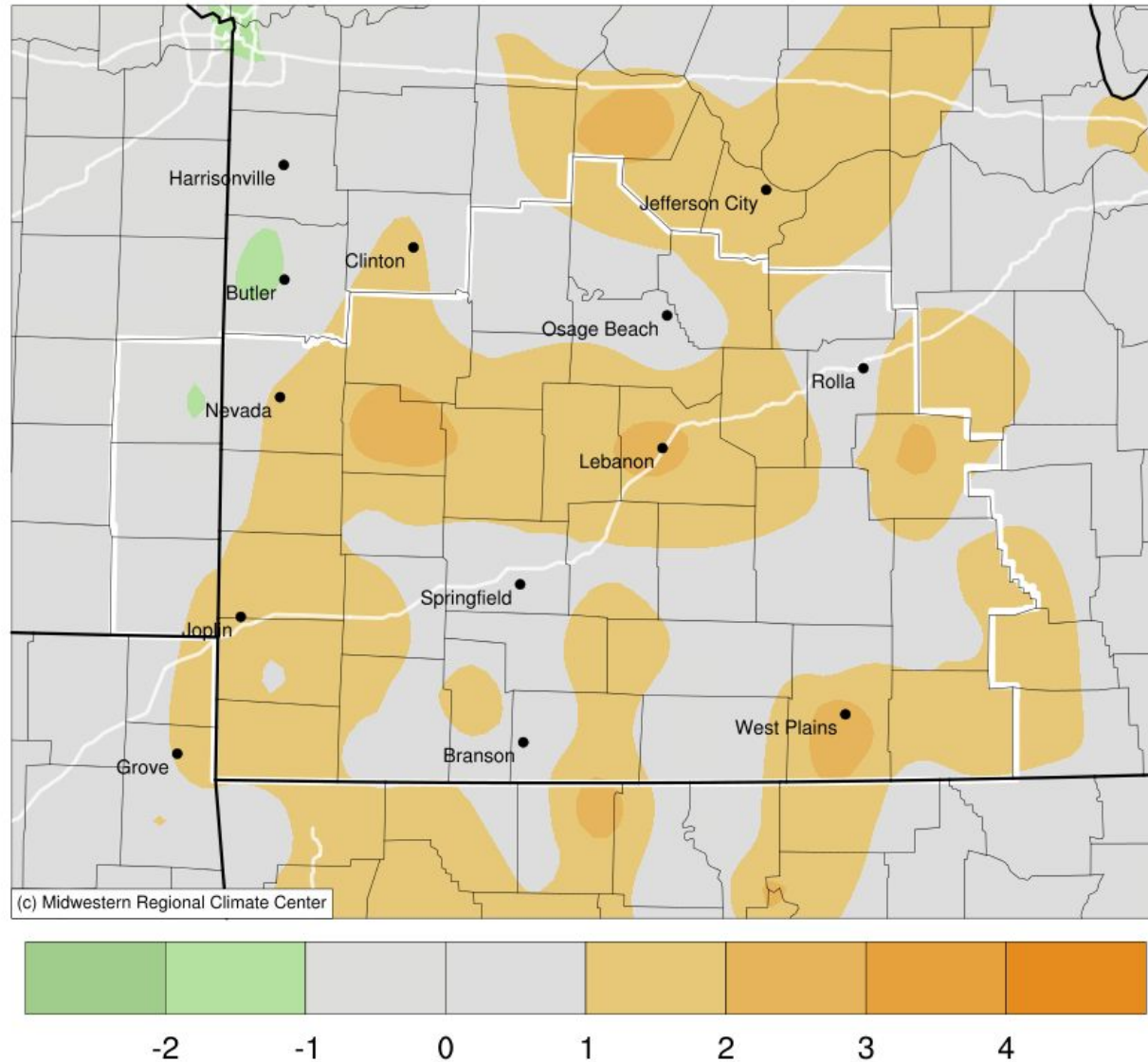


Monthly Climate Summary

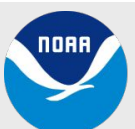
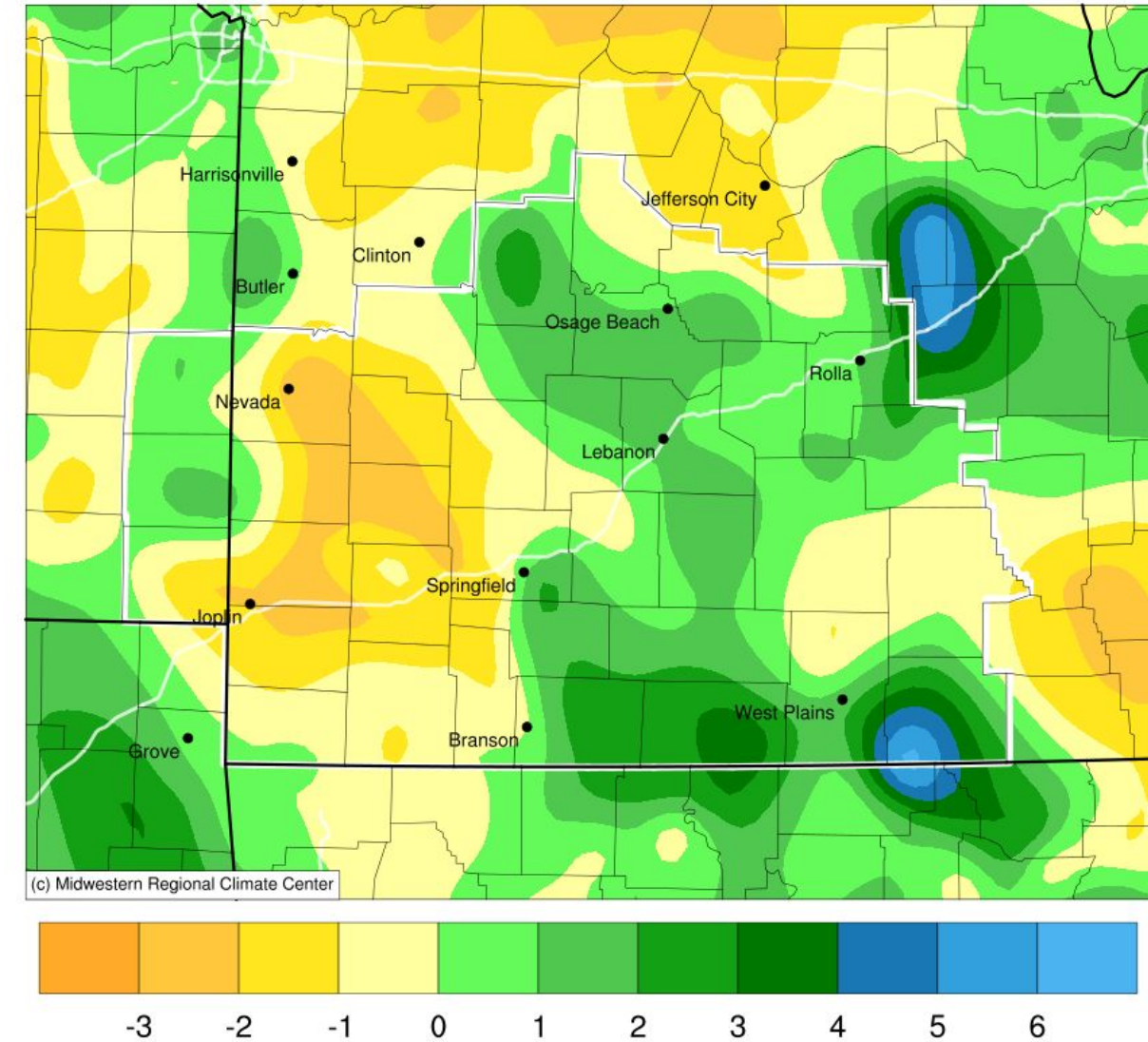
July 2, 2023
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July 2023 - Monthly Departure Maps

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



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





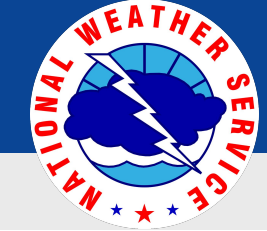
Monthly Climate Summary

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July 2023 - Records for the month

List of July 2023 Records		
Date	Station	Record
No records this month.		





Monthly Climate Summary

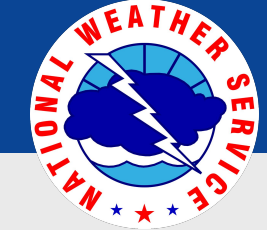
July 2, 2023
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Upcoming Normals

Upcoming Normal Conditions for the Next 3 Months				
Springfield				
Month	High	Low	Precip.	Snow
August	89.1	67.3	3.59	0.0
September	81.4	59.1	4.31	0.0
October	69.9	47.3	3.6	0.0
Joplin				
Month	High	Low	Precip.	
August	90.0	67.9	3.36	
September	82.0	59.4	4.18	
October	70.7	47.9	3.80	

Upcoming Normal Conditions for the Next 3 Months			
West Plains			
Month	High	Low	Precip.
August	88.4	65.5	3.36
September	80.8	57.4	3.09
October	69.5	46.2	4.08
Rolla / Vichy			
Month	High	Low	Precip.
August	87.0	65.6	3.66
September	79.1	57.5	3.81
October	67.8	46.4	3.21





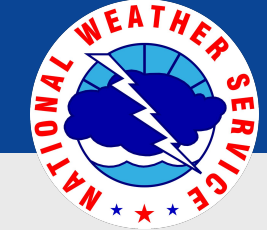
Monthly Climate Summary

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July 2023 - Springfield Daily Data

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
7/1/2023	89	73	81.0	2.9	0.02	0	0
7/2/2023	87	68	77.5	-0.7	0	0	0
7/3/2023	92	66	79.0	0.7	0	0	0
7/4/2023	93	67	80.0	1.6	0	0	0
7/5/2023	86	70	78.0	-0.5	T	0	0
7/6/2023	84	66	75.0	-3.6	0	0	0
7/7/2023	90	66	78.0	-0.7	0.1	0	0
7/8/2023	86	67	76.5	-2.3	0	0	0
7/9/2023	86	64	75.0	-3.9	0	0	0
7/10/2023	89	62	75.5	-3.5	0	0	0
7/11/2023	91	67	79.0	-0.1	0	0	0
7/12/2023	97	69	83.0	3.9	0.01	0	0
7/13/2023	95	71	83.0	3.8	1.05	0	0
7/14/2023	91	69	80.0	0.7	0.95	0	0
7/15/2023	88	68	78.0	-1.3	0	0	0

Date	Max	Min	Avg.	Depart	Precip.	Snowfall	Snow Depth
7/16/2023	92	67	79.5	0.1	0	0	0
7/17/2023	90	70	80	0.6	T	0	0
7/18/2023	90	69	79.5	0	T	0	0
7/19/2023	95	77	86	6.5	0	0	0
7/20/2023	90	72	81	1.5	0.13	0	0
7/21/2023	79	64	71.5	-8.1	0.17	0	0
7/22/2023	86	61	73.5	-6.1	0	0	0
7/23/2023	91	65	78	-1.6	0	0	0
7/24/2023	90	69	79.5	-0.2	0.02	0	0
7/25/2023	95	71	83	3.3	0	0	0
7/26/2023	95	78	86.5	6.8	0	0	0
7/27/2023	98	73	85.5	5.8	0	0	0
7/28/2023	97	77	87	7.3	0	0	0
7/29/2023	100	71	85.5	5.8	T	0	0
7/30/2023	97	69	83	3.3	1.1	0	0
7/31/2023	89	69	79	-0.7	0.12	0	0



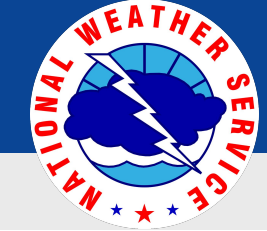
Monthly Climate Summary

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July 2023 - Joplin Daily Data

Date	Max	Min	Avg.	Depart	Precip.
7/1/2023	90	73	81.5	2.7	0.03
7/2/2023	90	67	78.5	-0.4	0.00
7/3/2023	93	68	80.5	1.5	0.00
7/4/2023	95	67	81.0	1.9	0.00
7/5/2023	84	70	77.0	-2.2	0.09
7/6/2023	85	67	76.0	-3.3	0.00
7/7/2023	88	66	77.0	-2.4	M
7/8/2023	87	66	76.5	-3.0	T
7/9/2023	87	64	75.5	-4.1	0.00
7/10/2023	92	59	75.5	-4.2	0.00
7/11/2023	95	71	83.0	3.2	0.00
7/12/2023	102	71	86.5	6.7	0.04
7/13/2023	96	72	84.0	4.1	0.16
7/14/2023	94	69	81.5	1.5	0.36
7/15/2023	91	67	79.0	-1.0	0.00

Date	Max	Min	Avg.	Depart	Precip.
7/16/2023	95	69	82.0	1.9	0.00
7/17/2023	90	74	82.0	1.9	T
7/18/2023	101	73	87.0	6.8	0.00
7/19/2023	97	82	89.5	9.3	0.00
7/20/2023	93	73	83.0	2.8	0.20
7/21/2023	82	66	74.0	-6.3	0.39
7/22/2023	87	62	74.5	-5.8	0.00
7/23/2023	93	70	81.5	1.2	0.00
7/24/2023	93	74	83.5	3.2	T
7/25/2023	100	74	87.0	6.6	0.00
7/26/2023	98	82	90.0	9.6	0.00
7/27/2023	99	75	87.0	6.6	T
7/28/2023	99	80	89.5	9.1	0.00
7/29/2023	100	76	88.0	7.6	T
7/30/2023	101	70	85.5	5.1	0.68
7/31/2023	94	70	82.0	1.6	T



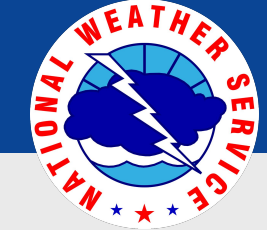
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July 2023 - West Plains Daily Data

Date	Max	Min	Avg.	Depart	Precip.
7/1/2023	92	72	82.0	5.2	0.64
7/2/2023	89	68	78.5	1.6	0.00
7/3/2023	91	66	78.5	1.4	0.00
7/4/2023	93	68	80.5	3.3	T
7/5/2023	91	71	81.0	3.7	0.08
7/6/2023	90	68	79.0	1.6	0.00
7/7/2023	88	66	77.0	-0.5	0.00
7/8/2023	90	71	80.5	3.0	T
7/9/2023	78	62	70.0	-7.6	0.00
7/10/2023	86	59	72.5	-5.2	0.00
7/11/2023	88	62	75.0	-2.8	0.00
7/12/2023	93	62	77.5	-0.3	0.00
7/13/2023	96	69	82.5	4.6	1.21
7/14/2023	86	70	78.0	0.0	0.20
7/15/2023	89	68	78.5	0.5	0.00

Date	Max	Min	Avg.	Depart	Precip.
7/16/2023	90	65	77.5	-0.6	0.00
7/17/2023	89	67	78.0	-0.1	0.15
7/18/2023	78	67	72.5	-5.6	0.18
7/19/2023	87	70	78.5	0.3	T
7/20/2023	87	74	80.5	2.3	0.08
7/21/2023	77	64	70.5	-7.8	0.08
7/22/2023	84	61	72.5	-5.8	0.00
7/23/2023	90	63	76.5	-1.8	0.00
7/24/2023	88	69	78.5	0.2	0.00
7/25/2023	91	67	79.0	0.6	0.04
7/26/2023	93	76	84.5	6.1	T
7/27/2023	97	75	86.0	7.6	0.00
7/28/2023	95	77	86.0	7.6	0.00
7/29/2023	92	70	81.0	2.6	0.08
7/30/2023	93	68	80.5	2.1	0.01
7/31/2023	90	73	81.5	3.1	0.00



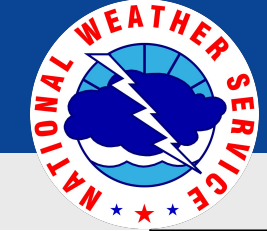
Monthly Climate Summary

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July 2023 - Vichy Daily Data

Date	Max	Min	Avg.	Depart	Precip.
7/1/2023	95	68	81.5	5.2	0.37
7/2/2023	84	65	74.5	-1.9	0.01
7/3/2023	91	65	78.0	1.4	0.14
7/4/2023	96	71	83.5	6.8	0.00
7/5/2023	92	70	81.0	4.2	0.03
7/6/2023	87	65	76.0	-0.9	0.00
7/7/2023	88	64	76.0	-1.0	0.84
7/8/2023	79	66	72.5	-4.6	0.00
7/9/2023	83	59	71.0	-6.2	0.00
7/10/2023	89	60	74.5	-2.8	0.00
7/11/2023	92	67	79.5	2.2	0.00
7/12/2023	95	68	81.5	4.1	0.28
7/13/2023	92	70	81.0	3.5	0.03
7/14/2023	96	69	82.5	5.0	0.09
7/15/2023	91	66	78.5	0.9	0.00

Date	Max	Min	Avg.	Depart	Precip.
7/16/2023	93	66	79.5	1.9	T
7/17/2023	88	64	76.0	-1.7	0.09
7/18/2023	78	64	71.0	-6.7	M
7/19/2023	86	72	79.0	1.2	0.19
7/20/2023	90	69	79.5	1.7	0.66
7/21/2023	78	63	70.5	-7.3	T
7/22/2023	84	60	72.0	-5.8	0.00
7/23/2023	89	65	77.0	-0.9	0.20
7/24/2023	83	67	75.0	-2.9	0.59
7/25/2023	90	72	81.0	3.1	T
7/26/2023	91	78	84.5	6.6	T
7/27/2023	95	73	84.0	6.1	0.00
7/28/2023	94	76	85.0	7.1	0.00
7/29/2023	92	69	80.5	2.6	0.47
7/30/2023	89	68	78.5	0.6	0.00
7/31/2023	82	71	76.5	-1.4	T



Monthly Climate Summary

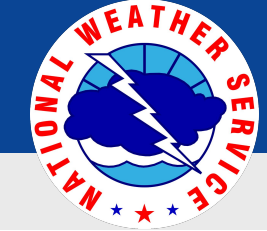
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July 2023 - Precipitation Report

Station	Amount
MYRTLE 2.5 WNW	10.25
WARSAW 3.8 NNE	8.41
ST. JAMES 10.1 SSE	8.22
TECUMSEH 1W	8.10
ROLLA 0.9 SE	7.71
SPRINGFIELD 4.9 SE	7.60
MOUNTAIN GROVE 14.0 S	7.52
PHILLIPSBURG 5.0 NW	7.45
HARTVILLE	7.28
ROLLA 4.4 WSW	7.17
SALEM 1.8 NW	6.79
BRUMLEY 5.6 SW	6.72
OZARK BEACH 2 NNE	6.64
ROLLA 3.4 NW	6.63
KAISER LAKE OZARKS LEE	6.52
IBERIA	6.41
PITTSBURG	6.36

Station	Amount
ROLLA 3.7 WNW	6.36
LEBANON 1.3 E	6.34
WASOLA 5N	6.28
URBANA 2.7 NNE	6.27
STOVER 3.2 SSE	6.00
TRUMAN DAM & RESERVOIR	5.94
ROLLA 3.3 WSW	5.84
ROLLA 2.8 S	5.83
BOLIVAR 9.0 N	5.80
JOPLIN 24 N	5.74
PITTSBURG 1.0 ESE	5.66
LEBANON 6.3 N	5.66
HARTVILLE 0.5 SSE	5.63
LEBANON 2W	5.63
GIRARD	5.61
COLE CAMP 3NW	5.61
ROLLA MISSOURI S&T	5.60

Station	Amount
DEVON 0.1 SE	5.59
DIXON 5.2 NE	5.55
MONTAUK STATE PARK	5.54
ROLLA 3.2 SSW	5.49
POMME DE TERRE DAM	5.43
ROCKVILLE 7.9 E	5.28
MARSHFIELD 4 WSW	5.27
LEBANON 0.6 N	5.25
LINCOLN 0.4 NNE	5.24
MOUNTAIN GROVE 13.0 NNW	5.24
HARTVILLE 3.8 WNW	5.24
LICKING 4N	5.20
ST. JAMES 1.2 SE	5.17
GRAVOIS MILLS 8.4 S	5.15
FLEMINGTON 2.6 S	5.14
NEWBURG 9.6 SSW	5.11
SALEM	5.08



Monthly Climate Summary

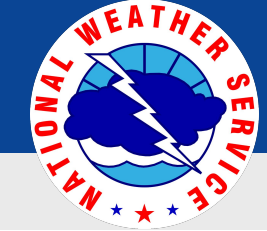
July 2, 2023
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July 2023 - Precipitation Report

Station	Amount
HERMITAGE 0.5 ESE	5.06
LAKESIDE	5.06
WEST PLAINS	5.00
SPRINGFIELD 1.0 SSE	4.99
ROLLA 1.3 NE	4.98
AVA 0.8 NNW	4.90
FORT LEONARD WOOD	4.88
COLE CAMP 0.4 SE	4.87
WINONA 3 SW	4.84
ROLLA 7.6 SSE	4.83
ROLLA 8.1 S	4.67
ROLLA 6.4 S	4.66
MOUNTAIN GROVE 2 N	4.62
WAYNESVILLE 3.5 WSW	4.61
APPLETON CITY	4.60
ROLLA 8.1 SSE	4.60
ANDERSON 3.2 NNW	4.58

Station	Amount
MANSFIELD 3.7 SSE	4.55
BRANSON 3.8 E	4.53
FARLINGTON 0.8 NNE	4.49
FORT SCOTT 9.3 NNE	4.48
TECUMSEH 2.2 SE	4.48
FORT SCOTT	4.47
SALEM 10 W	4.47
ROLLA 6.4 NNW	4.47
TABLE ROCK DAM	4.43
ROLLA 5.6 S	4.41
PITTSBURG 4.9 WSW	4.39
BUFFALO 1.0 SW	4.38
HOUSTON 1.1 NE	4.37
HOUSTON 4.5 ESE	4.31
ANDERSON 3W	4.30
ROLLA 8.2 SSE	4.30
EMERALD BEACH 5.5 E	4.28

Station	Amount
NIXA 2.7 SSW	4.28
CASSVILLE 1 NE	4.24
WAYNESVILLE 2 W	4.20
SHELL KNOB 5.6 ESE	4.18
SALEM 3.5 E	4.14
STOVER 2.3 NW	4.13
ANDERSON 6.8 W	4.10
GOLDEN CITY 6 S	4.09
WEST PLAINS 1.5 NW	4.04
WILLARD 5.8 NNE	4.03
ANDERSON 4.2 W	4.02
MARSHFIELD 3.7 SE	4.02
MANSFIELD	4.02
WEST PLAINS 8.8 E	4.02
DORA 3SE	4.01
HOLLISTER 3.8 SW	4.00
SPRINGFIELD WFO	3.99



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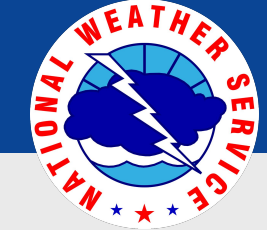
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Station	Amount
VICHY ROLLA NATL AP	3.99
SALEM 14.9 E	3.98
AVA 13.2 SSW	3.96
WEST PLAINS 2.2 NNW	3.93
NEOSHO 3.9 WNW	3.92
FAIR GROVE 4.7 SSW	3.92
VERSAILLES 2.7 E	3.91
SALEM 11.7 NNW	3.89
HALF WAY 0.8 WNW	3.87
HOUSTON 5.0 SE	3.78
FORT SCOTT 0.6 SW	3.75
ROUND SPRING 2SW	3.74
SPRINGFIELD WSO AP	3.67
BOLIVAR 1 NE	3.66
ALTON 1.7 NNW	3.64
SPRINGFIELD 0.7 ENE	3.62
MORRISVILLE 2SW	3.59

Station	Amount
PURDY 4.8 SSW	3.53
BILLINGS 1SW	3.48
MILLER	3.44
MONETT 4SW	3.41
RAYMONDVILLE 3.5 SE	3.41
SUNDOWN 5.1 SE	3.38
NEVADA WATER PLANT	3.36
ELDON	3.36
HOUSTON	3.36
SAVONBURG 4.1 ESE	3.32
MOUNTAIN VIEW 7.0 NE	3.31
CAPE FAIR 2.1 N	3.27
WALNUT GROVE 5.2 SE	3.27
GAINESVILLE 6.2 ENE	3.27
GIRARD 4.6 W	3.26
TANEYVILLE 3.9 NNE	3.18
COLLINS 5.5 WNW	3.17

Station	Amount
ALDRICH 5.0 ESE	3.14
ALTON	3.09
CASSVILLE 4.8 SSE	3.08
LAMAR 7N	3.06
SUMMERSVILLE 3.6 S	3.04
KIMBERLING CITY 1.5 WNW	3.03
BOLIVAR 1.0 ENE	3.02
SPRINGFIELD 4.0 SW	3.01
CASSVILLE 0.5 SW	2.94
OSCEOLA 0.3 SW	2.87
BRANSON 3.2 NNW	2.84
WALNUT GROVE 5.8 NNW	2.82
SELIGMAN 3.0 N	2.79
DIAMOND 2W	2.78
THEODOSIA 13.9 NE	2.78
WALNUT 4S	2.76
WEST PLAINS MUNICIPAL A	2.75

Station	Amount
HOUSTON 2.0 S	2.75
CRANE 0.3 SW	2.72
CONWAY 8.9 SW	2.72
CRANE 0.7 SSW	2.70
FAIR PLAY 1.3 E	2.68
GIRARD 3.1 SSW	2.67
MARSHFIELD 1.4 W	2.66
WILLARD 2.6 W	2.63
JOPLIN 1.3 NW	2.60
DUNNEGAN 2.4 NNW	2.56
LOCKWOOD	2.51
STOCKTON DAM	2.50
STRAFFORD 2.7 SW	2.47
ELDORADO SPRINGS	2.46
STARK CITY 5.5 ENE	2.45
AURORA 2.7 S	2.44
WEST PLAINS 10.6 S	2.43



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Station	Amount
CARTHAGE 1.5 S	2.41
CLEVER 7.2 SE	2.41
MARSHFIELD 0.9 SE	2.40
MILLER 9.2 WNW	2.36
NEOSHO	2.34
COLUMBUS	2.31
NEVADA 3.4 NE	2.30
MOUNT VERNON 0.2 E	2.30
SHOAL CREEK ESTATES 0.2	2.29
MOUNT VERNON 1.3 NNW	2.27
MOUNTAIN VIEW 7.9 W	2.17
FORT LEONARD WOOD 5.4 S	2.17
CARTHAGE 3.8 SW	2.14
GOODSON 0.5 NNW	2.14
GREENFIELD 2SE	2.04
BROOKLINE 2.3 NNW	1.97
JOPLIN REGIONAL AIRPORT	1.95

Station	Amount
STOCKTON 0.5 W	1.90
BATTLEFIELD 3.3 E	1.83
GALENA	1.76
MARIONVILLE 4.7 N	1.65
ARCOLA 2.1 SW	1.60
CLEVER 4.0 ENE	1.56
NEVADA 0.2 W	1.52
STOCKTON 0.2 NW	1.51
WAYNESVILLE 3.9 NNW	1.50
PIERCE CITY 5.0 NE	1.42
STOCKTON 2.5 NNE	1.42
LAMAR 0.3 ESE	1.40
JERICO SPRINGS 3S	1.40
CARL JUNCTION 3.1 WSW	1.39
VERONA 4.0 WNW	1.36
BRANSON AIRPORT	1.36
NEVADA 6.3 ESE	1.33

Station	Amount
REPUBLIC 0.8 SE	1.26
SARCOXIE 1.0 W	1.25
STOCKTON 5.6 S	1.25
CARTHAGE 4.5 E	1.23
ASH GROVE 0.4 SSW	1.23
MONETT 1.8 N	1.19
REPUBLIC 0.8 ESE	1.03
GREENFIELD 2.9 WSW	1.01
MCCUNE 1.6 NW	0.96
ROLLA 1.6 SSE	0.92
GREENFIELD 3.1 ENE	0.90
GOLDEN CITY 0.6 SSW	0.74
SPRINGFIELD 5.5 SSW	0.70
ASH GROVE 4S	0.69
OAKLAND PARK 0.6 ESE	0.66
NEOSHO 2.0 NNW	0.66
STOUTLAND 5.9 NNE/FSA	0.62