

2024 in Review

- Rainfall Data**
- Selected Cities Temp/Precip Data**
- Drought Data**
- El Paso Statistics**

2024 In Review

2024 overall looked somewhat like 2023 in that the year, first 5 months or so, started out if not cool, at least around normal. However, just like 2023, the last half of the year was near or at record warm levels. 2024, with respect to average temperature, ended up about 2 to 3 degrees above normal. For many sites, especially larger urban areas, the June through December period saw many of those months at or near record high levels. 2024 ended up being the warmest on record for several sites, surpassing 2023, though the heat was not quite as extreme as in 2023. El Paso recorded its warmest year ever with average temperature, ending up at 69.8°. New Mexico State University also set their all-time annual record for average temperature, coming in at 65.4°. As you get out into more rural areas, 2024 was not as highly ranked but many of these sites still ended the year with top 15 warmest years ever.

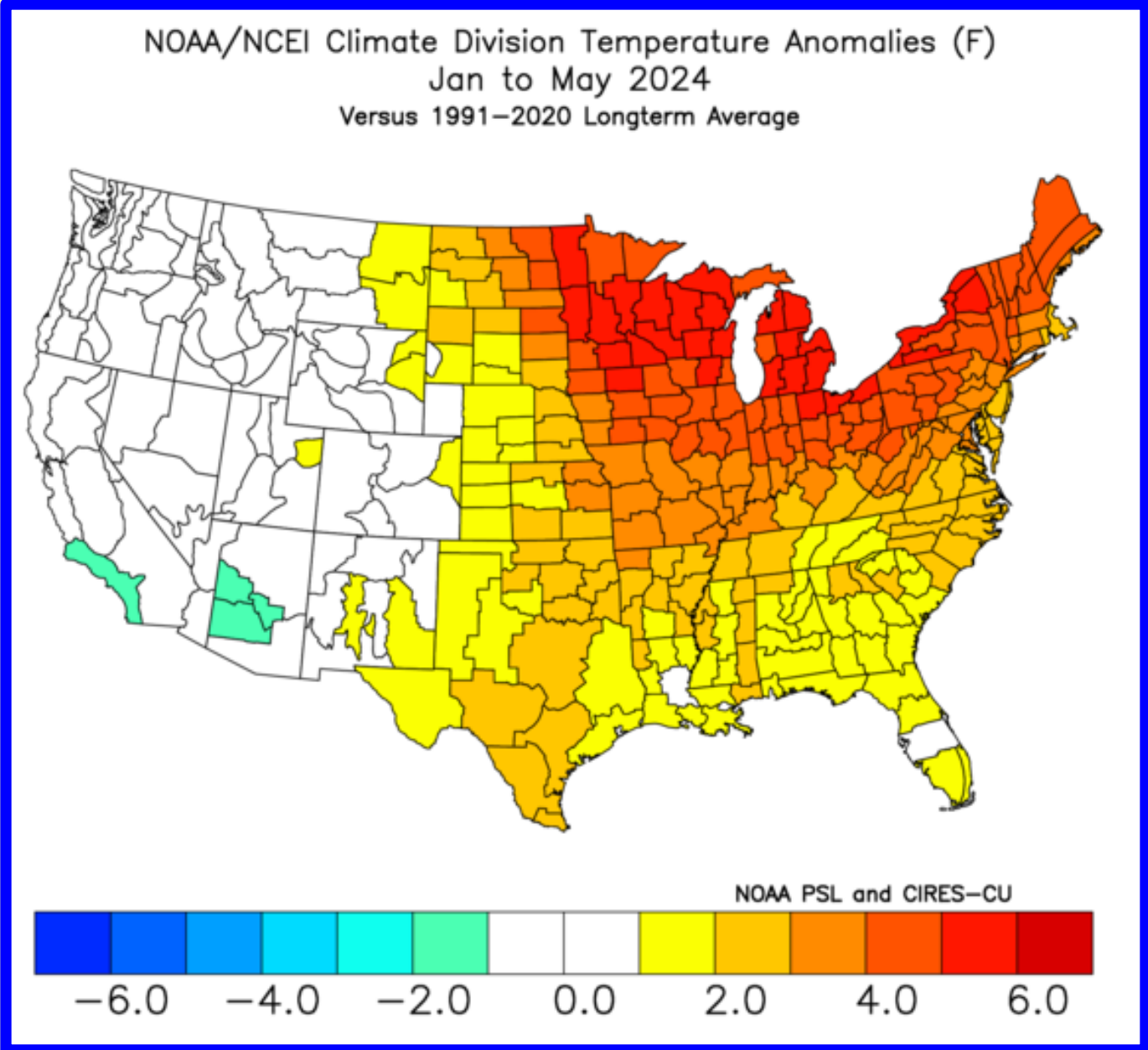
While the majority of 2023 saw El Niño conditions for most of the year, those conditions ended after the first 4 months of 2024. The ENSO cycle returned to neutral status for the rest of the year, only just entering a La Niña episode in December. This seemed to make little difference in our annual rainfall, with the year finishing well below normal. After another poor Monsoon season for most areas, the remainder of the year never really recovered. Southern New Mexico and far west Texas a whole ranged from about 40-70 percent of normal. A few areas

2024 In Review

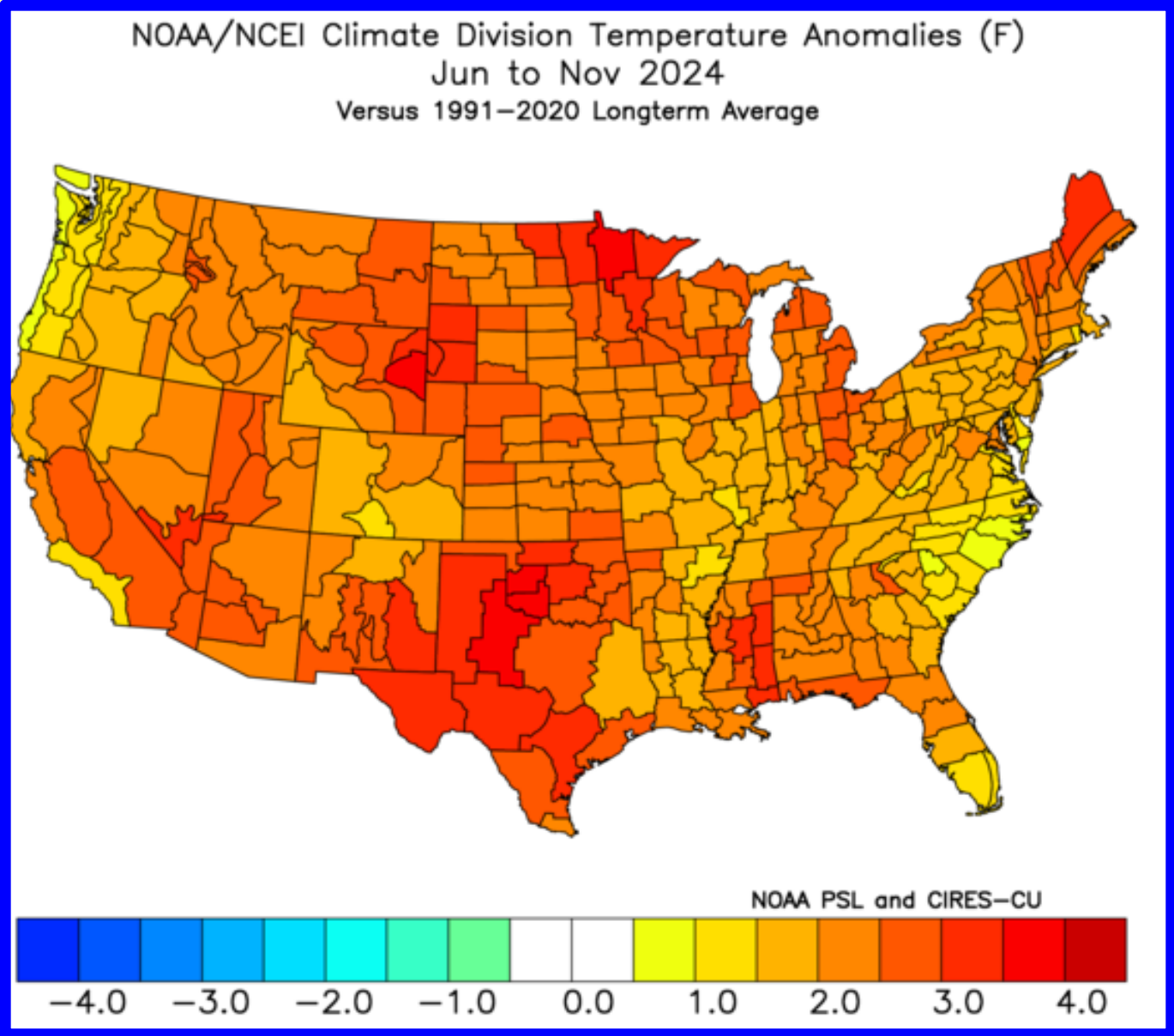
such as eastern Dona Ana and Sierra Counties were able to reach about 100-125 percent of their annual precipitation. El Paso recorded its lowest 2 year total precipitation (2023 and 2024) since the 1930s and the driest 2 year stretch since observations began the airport. For the Monsoon season (June 15-September 30), most areas received about 50-75 percent of normal. Luna and Sierra Counties along with the Gila region did end the Monsoon with surplus precipitation. By the end of the year, most of west Texas was in D4 exceptional drought. Most of southern New Mexico ended the year in moderate to severe (D1-D2) drought conditions. Sierra County's extra rainfall kept them in D0 abnormally dry status.

The fire season was relatively short and was concentrated mainly in southern Lincoln County and northeastern Otero County where a series of fires in May and June ravaged the Ruidoso area with several devastating wild fires. The rest of southern New Mexico was generally spared of any serious wild fires, and the wild fire season was mostly done by July.

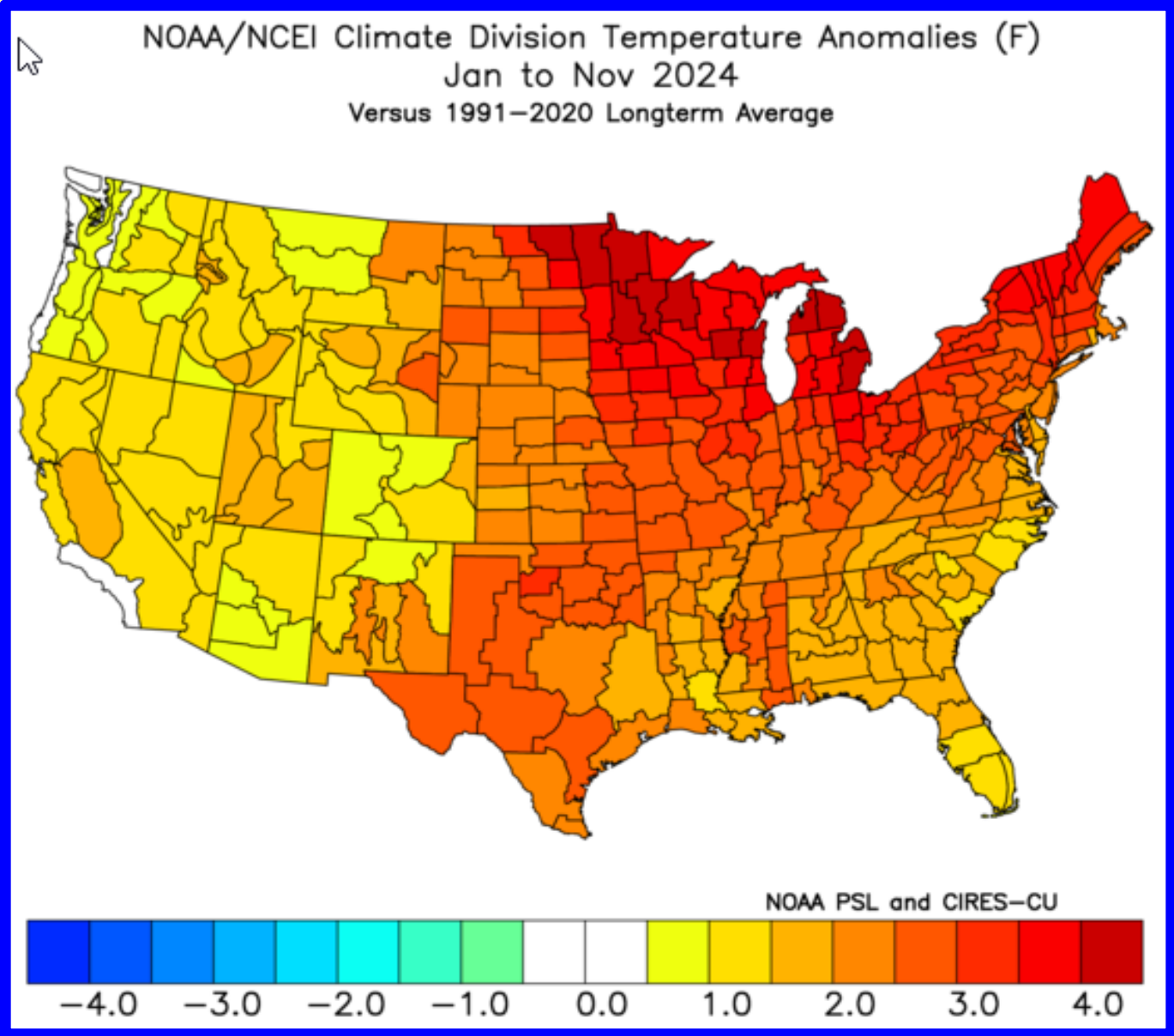
Average temperature anomalies for Jan-May 2024



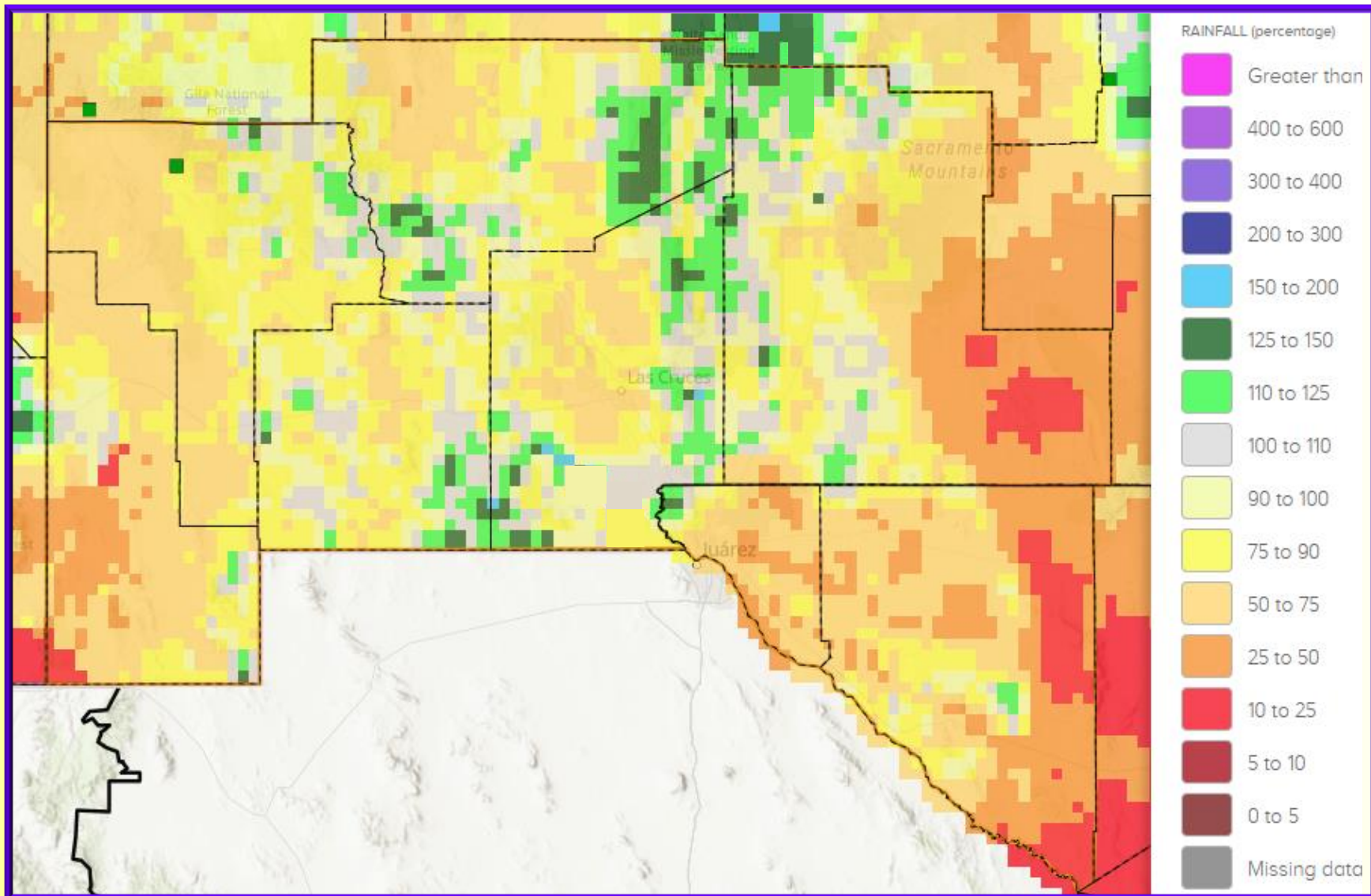
Average temperature anomalies for Jun-Nov 2024



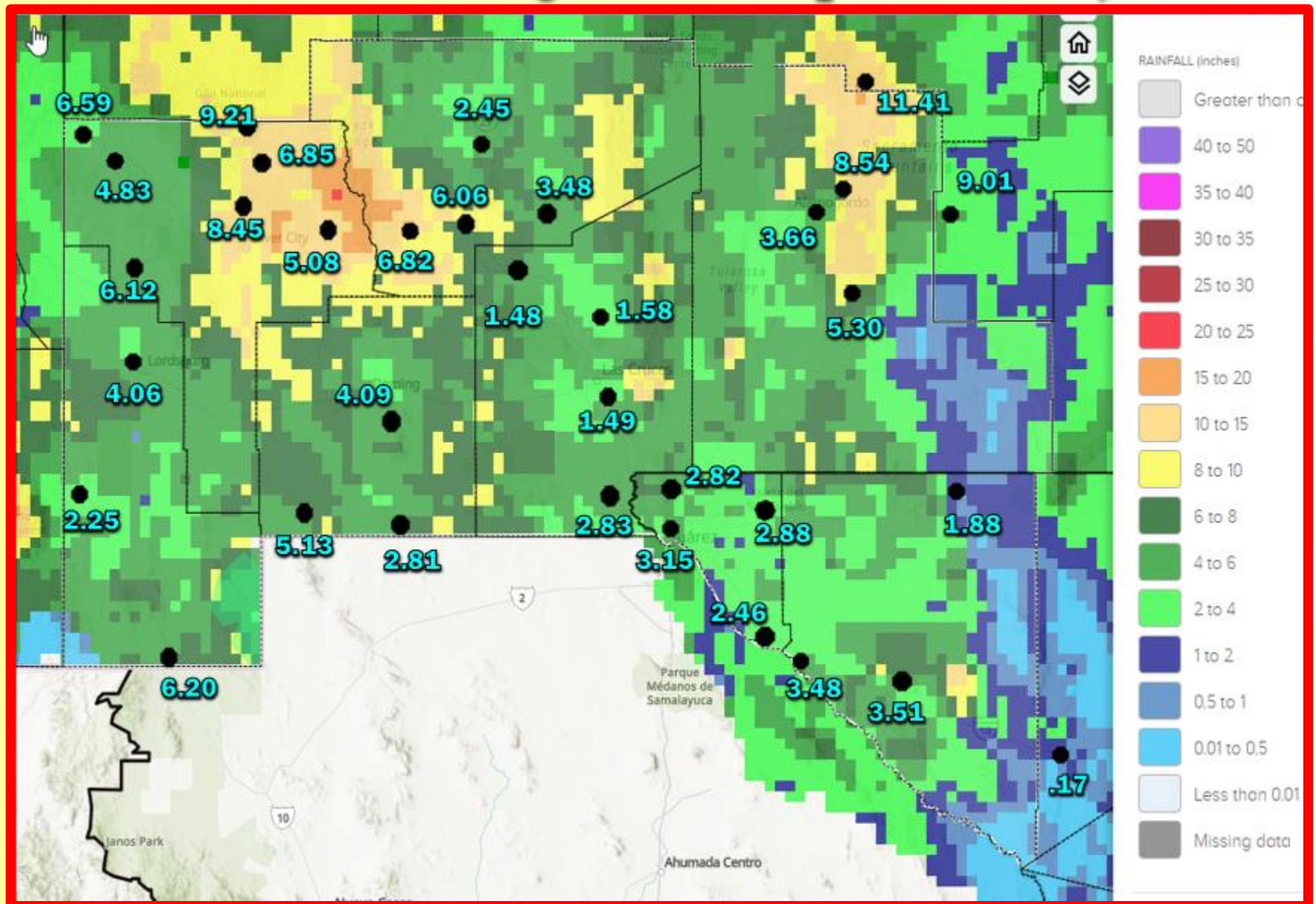
Average temperature anomalies for Jan-Nov 2024



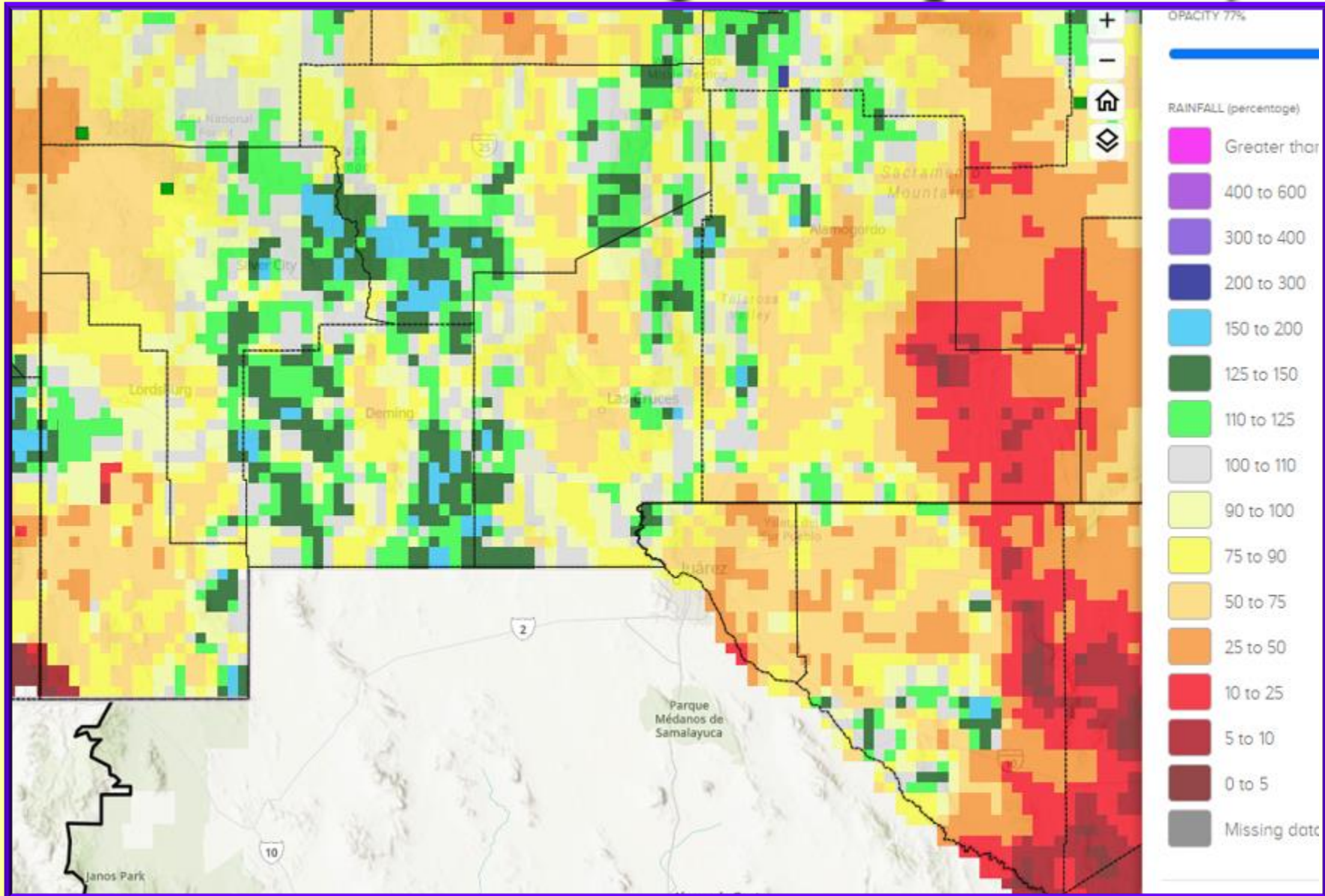
2024 radar rainfall estimate percent of normal



Radar rainfall estimate for the Monsoon Season 2024 (June 1 – September 30)



Radar rainfall estimate percent of normal for Monsoon season 2024 (June 1-September 30)

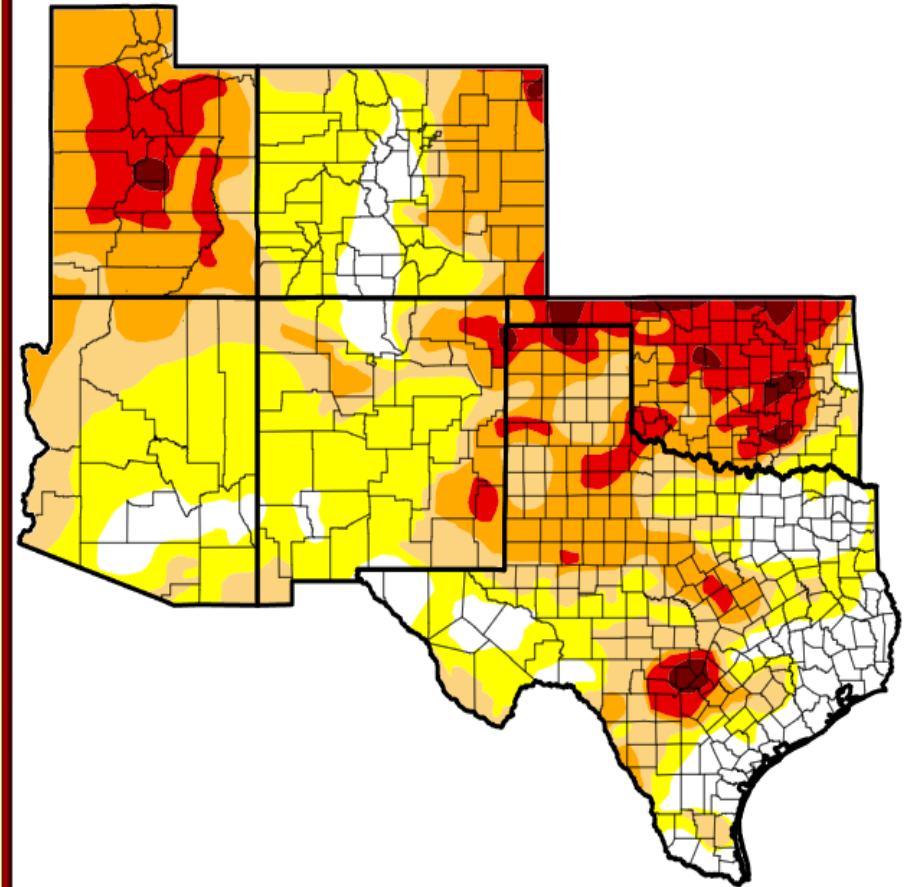
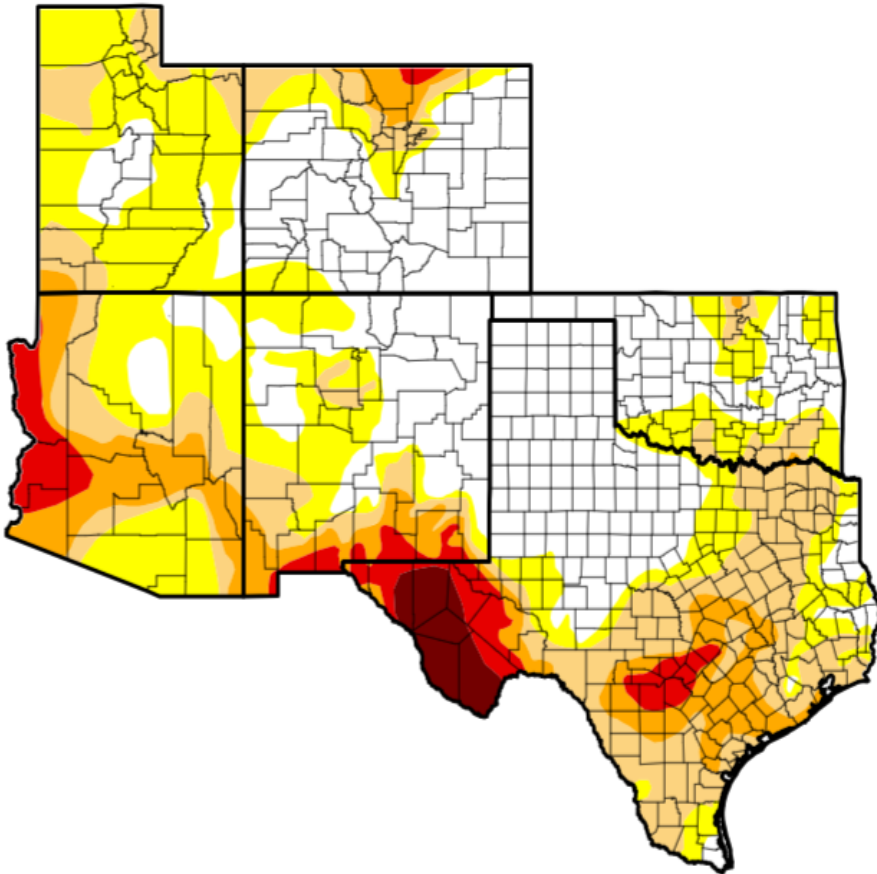


Beginning and end of year drought conditions for Texas and New Mexico

- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

December 24, 2024

December 26, 2023



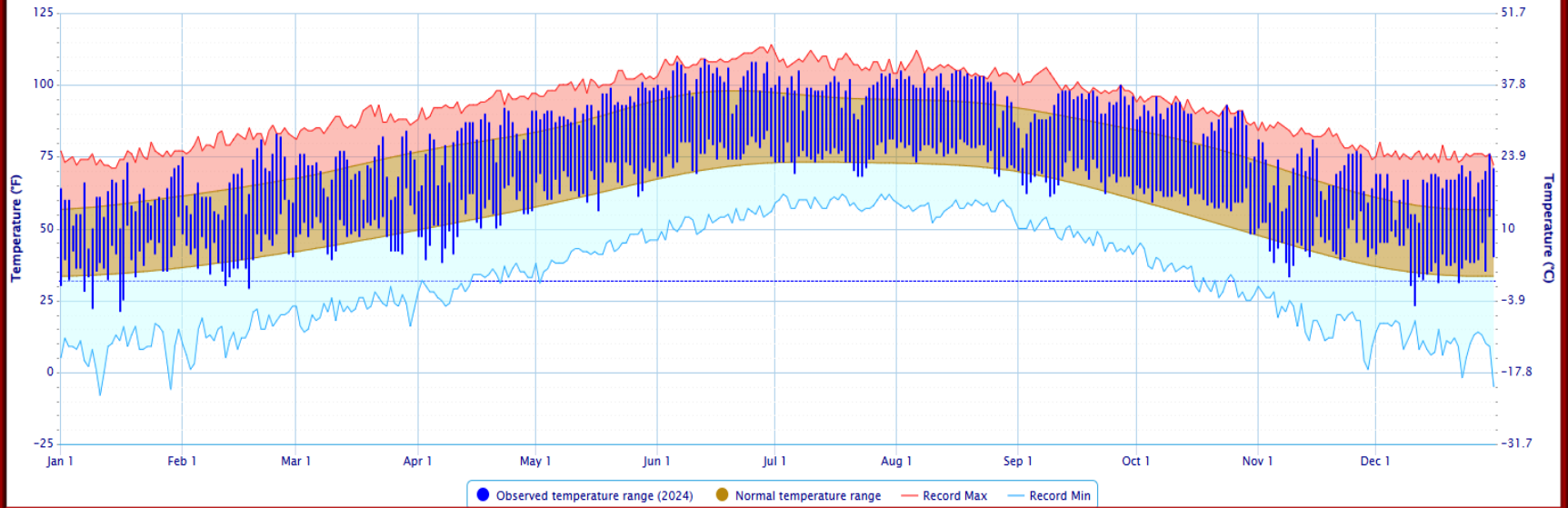
2024 Selected Individual Sites

A dramatic sky with a lightning bolt striking the ground over a mountain range. The sky is filled with dark, heavy clouds, and a bright lightning bolt strikes the ground in the center. The mountains in the background are silhouetted against the sky. The text "2024 Selected Individual Sites" is overlaid in a large, green, outlined font.

El Paso, TX

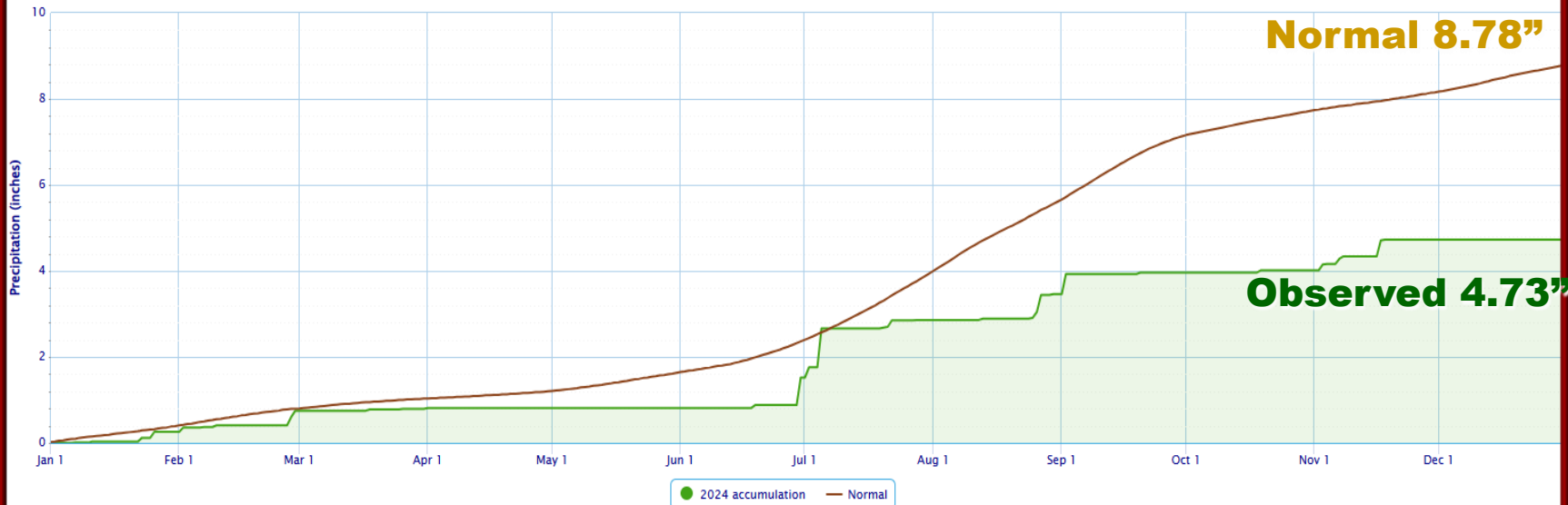
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2025-01-01; Min temperature: 1879-01-01 to 2025-01-01. Normals period: 1991-2020. Click and drag to zoom chart.



Accumulated Precipitation – El Paso Area, TX (ThreadEx)

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

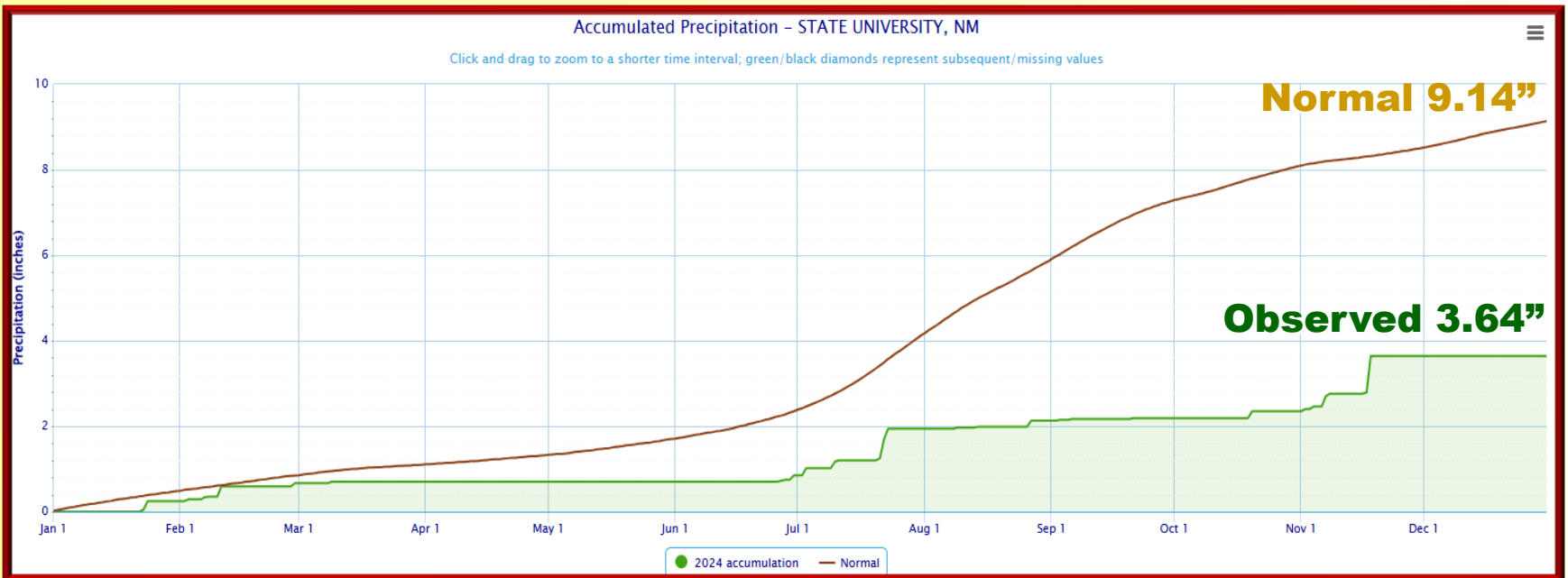
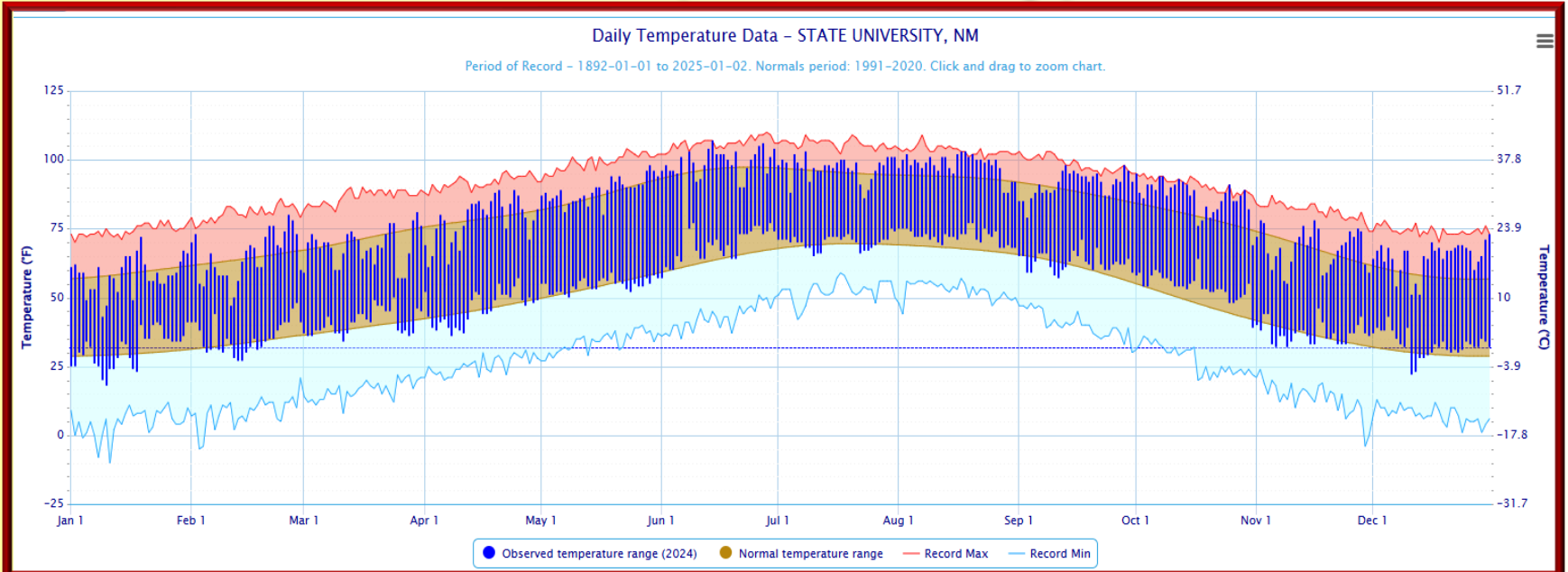


2024 El Paso Review (138 years)

El Paso Intl Airport - KELP

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 138=Coldest
Jan	60.6	73 – 18th	37.3	21 – 16th	49.0	14
Feb	66.3	83 - 25th	41.5	29 – 18th	53.9	9
Mar	71.8	84 – 29th	48.88	39 – 190h	60.3	10
Apr	81.1	92 – 23rd	53.2	38 - 7th	67.2	26
May	92.7	101 - 28th	66.3	56 - 17th	79.5	2
Jun	102.4	109 – 13th	76.2	68 – 2nd	89.3	1
Jul	98.7	105 - 7th	74.7	68 – 23rd	86.7	8
Aug	100.0	105 – 17th	76.4	68- 27th	88.2	2
Sep	92.7	100 - 27th	67.9	61 - 9th	80.3	4
Oct	87.9	96 – 6th	59.8	48- 31st	73.9	1
Nov	69.8	81 – 15th	44.4	33 – 9th	57.1	9
Dec	65.7	76 – 30th	39.2	23 – 11th	52.4	3

Las Cruces (University), NM

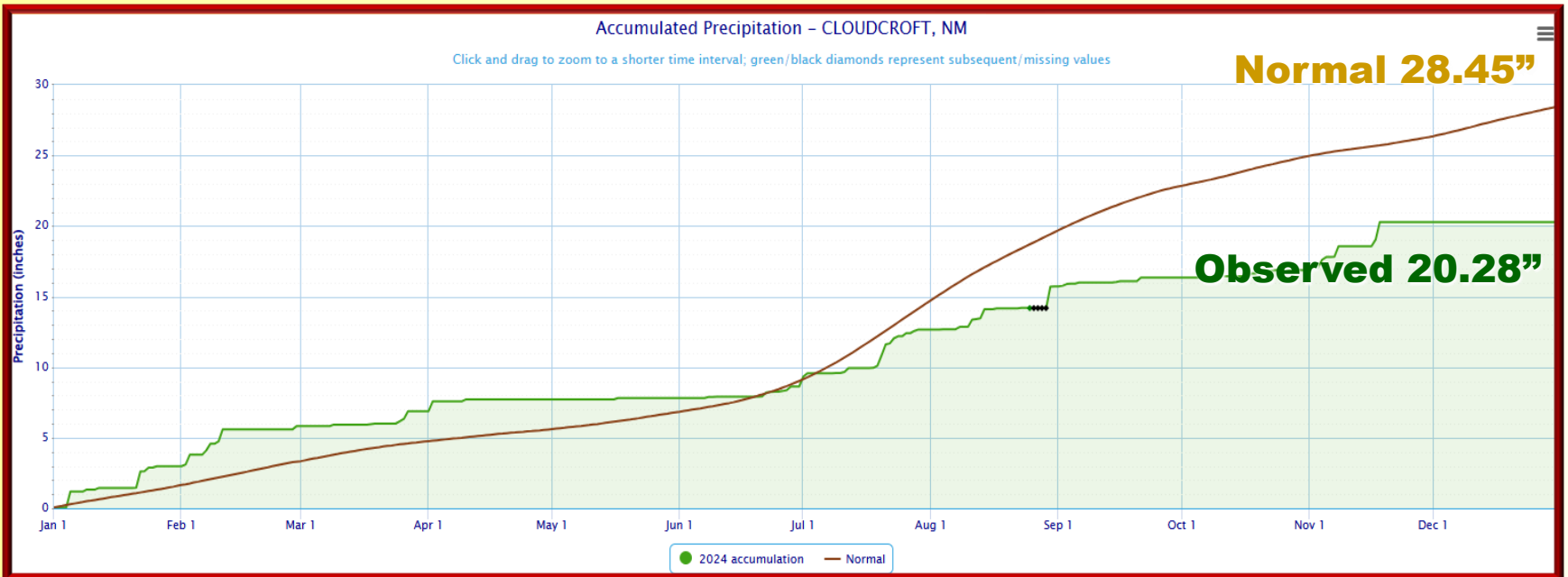
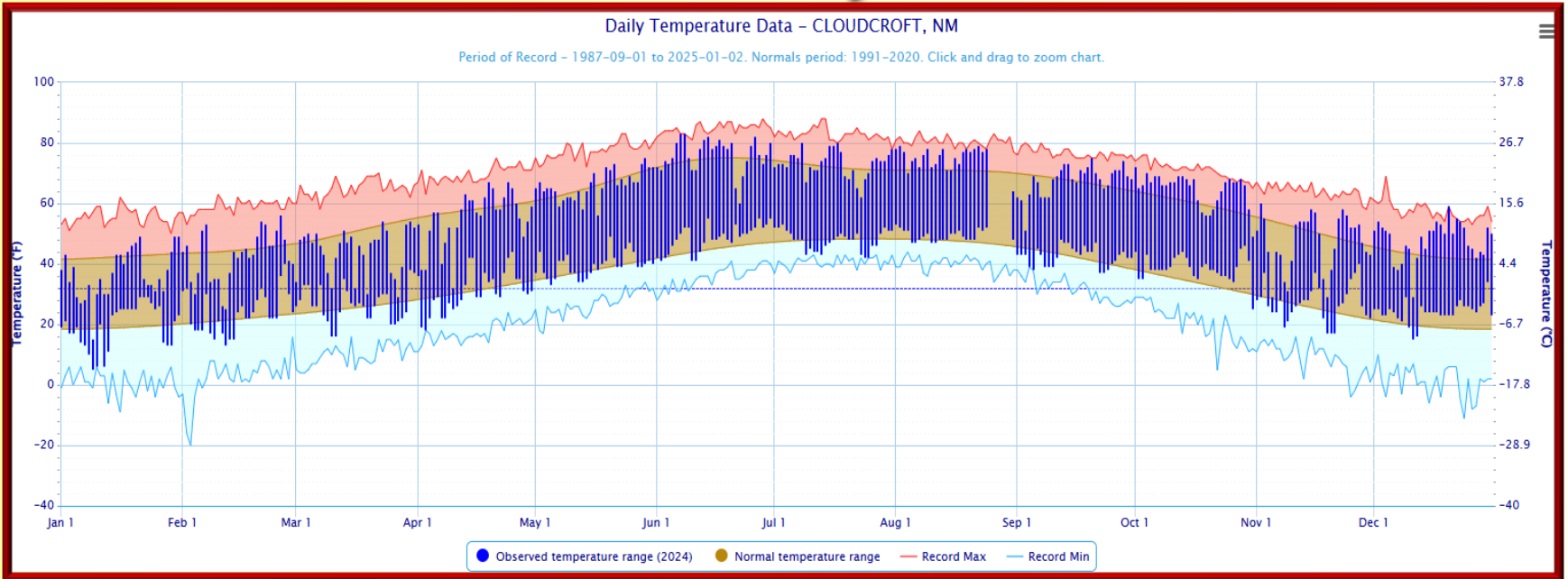


2024 Las Cruces Review (133 years)

State University (NMSU) COOP Station - STCN5

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 132=Coldest
Jan	58.3	72	31.0	18	44.7	27
Feb	64.9	80	35.4	27	50.1	19
Mar	68.5	81	40.8	34	54.6	35
Apr	78.2	89	46.0	36	62.1	31
May	88.9	98	54.4	50	71.7	14
Jun	99.3	107	68.8	57	84.0	1
Jul	97.0	103	70.0	65	83.5	13
Aug	98.3	103	72.1	68	85.2	1
Sep	91.2	98	62.6	57	76.9	6
Oct	86.7	95	53.9	39	70.3	1
Nov	67.9	78	36.9	32	52.4	23
Dec	64.7	73	48.7	22	48.7	2

Cloudcroft, NM



2023 Cloudcroft Review (37 years)

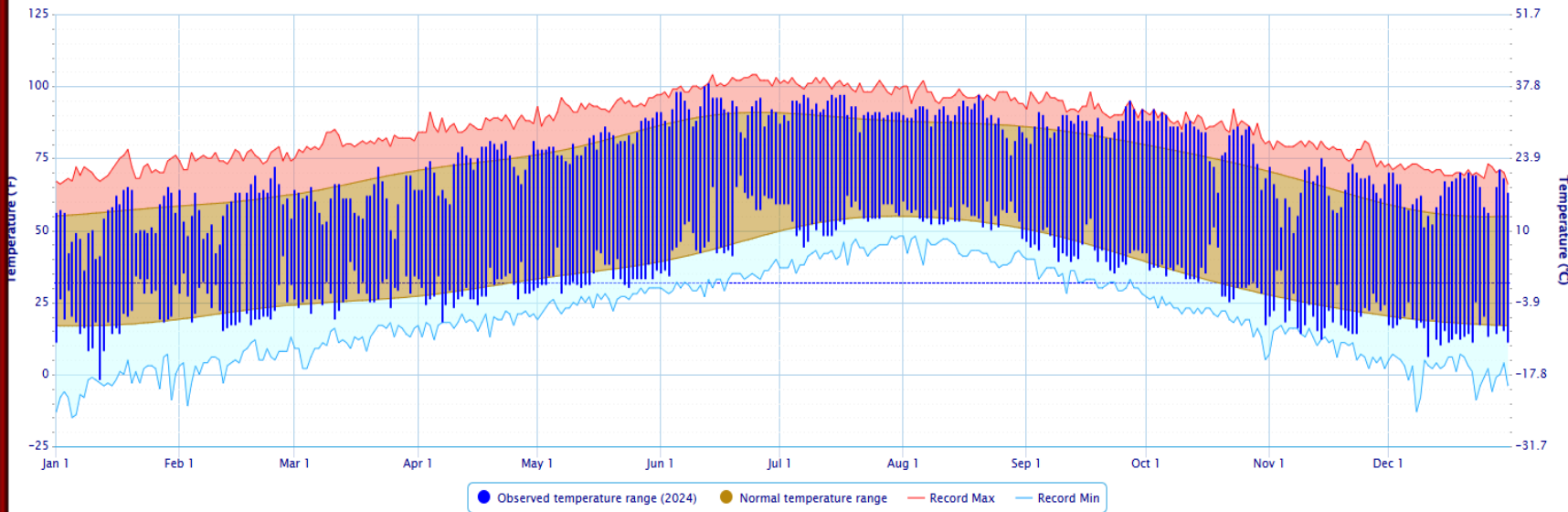
Cloudcroft COOP Station – CLDN5

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 36=Coldest
Jan	36.7	49	19.3	5	28.0	28
Feb	42.4	56	23.6	13	33.0	17
Mar	44.2	54	26.4	16	35.3	31
Apr	55.1	67	30.9	18	43.0	28
May	66.1	75	39.5	33	52.8	13
Jun	75.9	83	48.5	41	62.2	5
Jul	73.1	80	47.7	42	60.4	12
Aug	75.1	79	49.2	47	62.2	4
Sep	67.6	75	42.4	37	55.0	16
Oct	64.7	72	38.6	25	51.7	2
Nov	47.3	60	26.9	17	37.1	22
Dec	47.8	59	24.1	15	35.9	2

Gila Hot Springs, NM

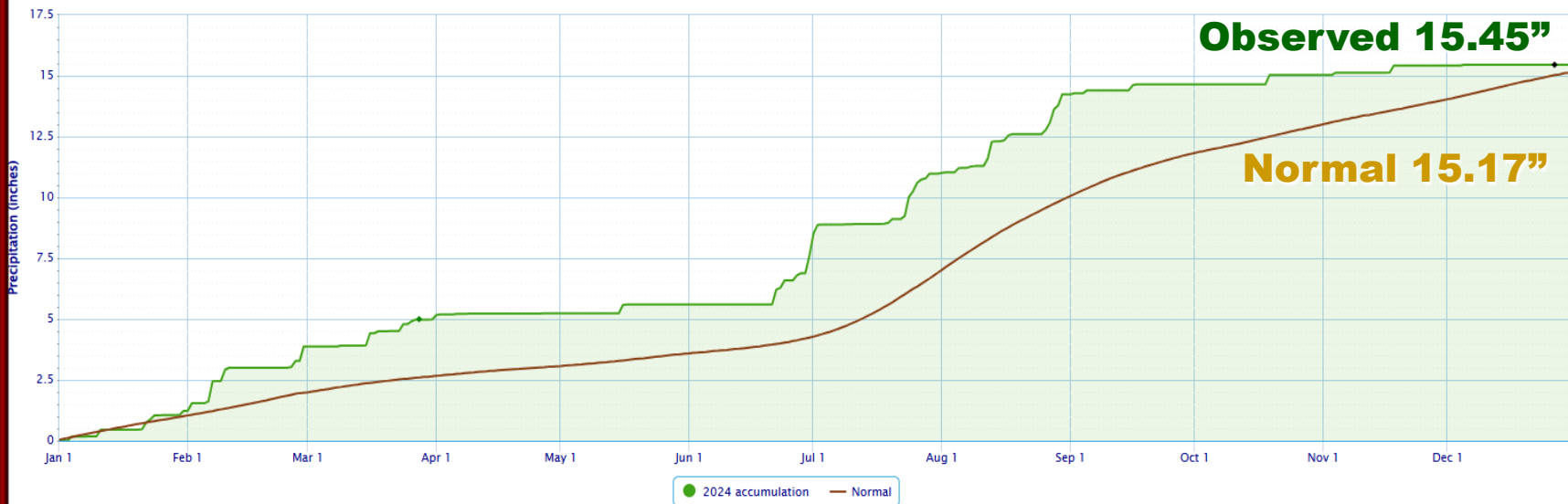
Daily Temperature Data - GILA HOT SPRINGS, NM

Period of Record - 1957-05-24 to 2025-01-01. Normals period: 1991-2020. Click and drag to zoom chart.



Accumulated Precipitation - GILA HOT SPRINGS, NM

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

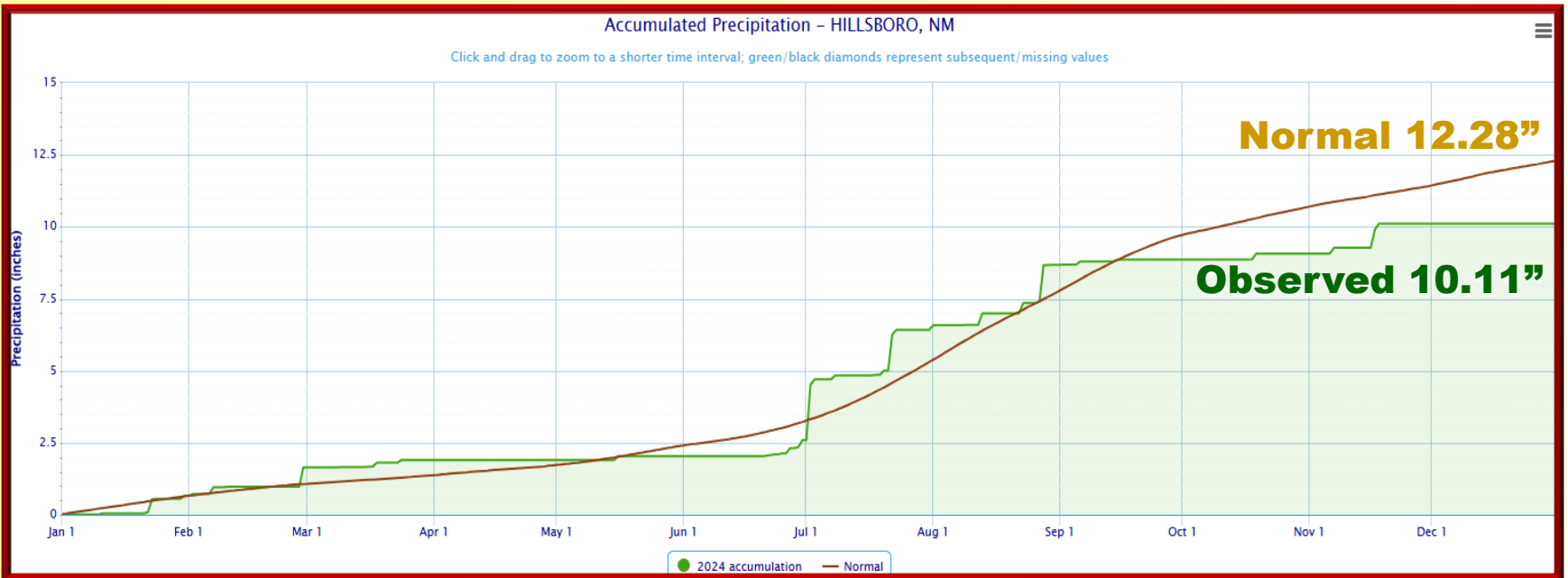
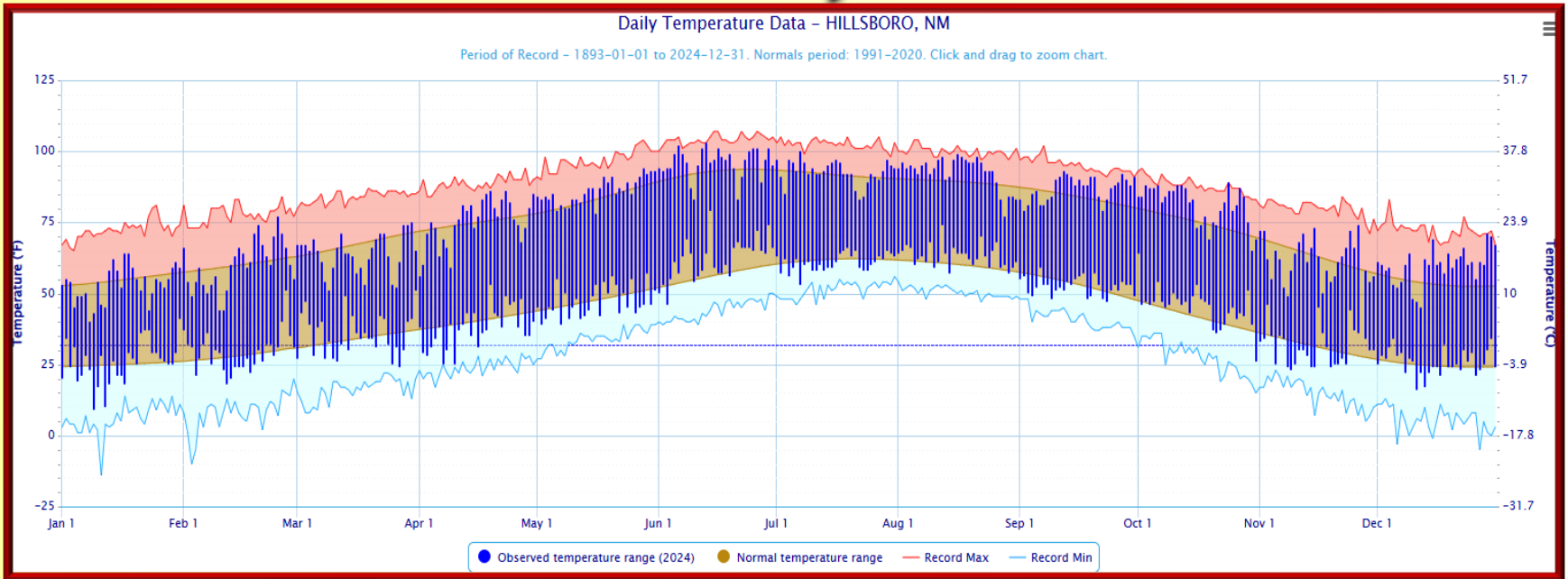


2024 Gila Hot Springs Review (68 years)

Gila Hot Springs COOP Station – GHSN5

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 67=Coldest
Jan	53.4	65	19.7	-2	36.5	34
Feb	58.7	72	23.7	15	41.2	23
Mar	60.8	72	27.7	19	44.3	36
Apr	72.8	81	28.8	18	50.8	43
May	81.2	91	33.9	28	57.5	41
Jun	92.2	101	50.7	34	71.5	1
Jul	92.2	97	53.7	44	73.0	9
Aug	89.5	97	54.8	47	72.1	4
Sep	87.1	95	42.8	35	64.9	23
Oct	82.2	92	33.8	17	58.0	1
Nov	64.4	75	20.9	12	42.7	50
Dec	63.5	71	15.5	6	39.5	10

Hillsboro, NM

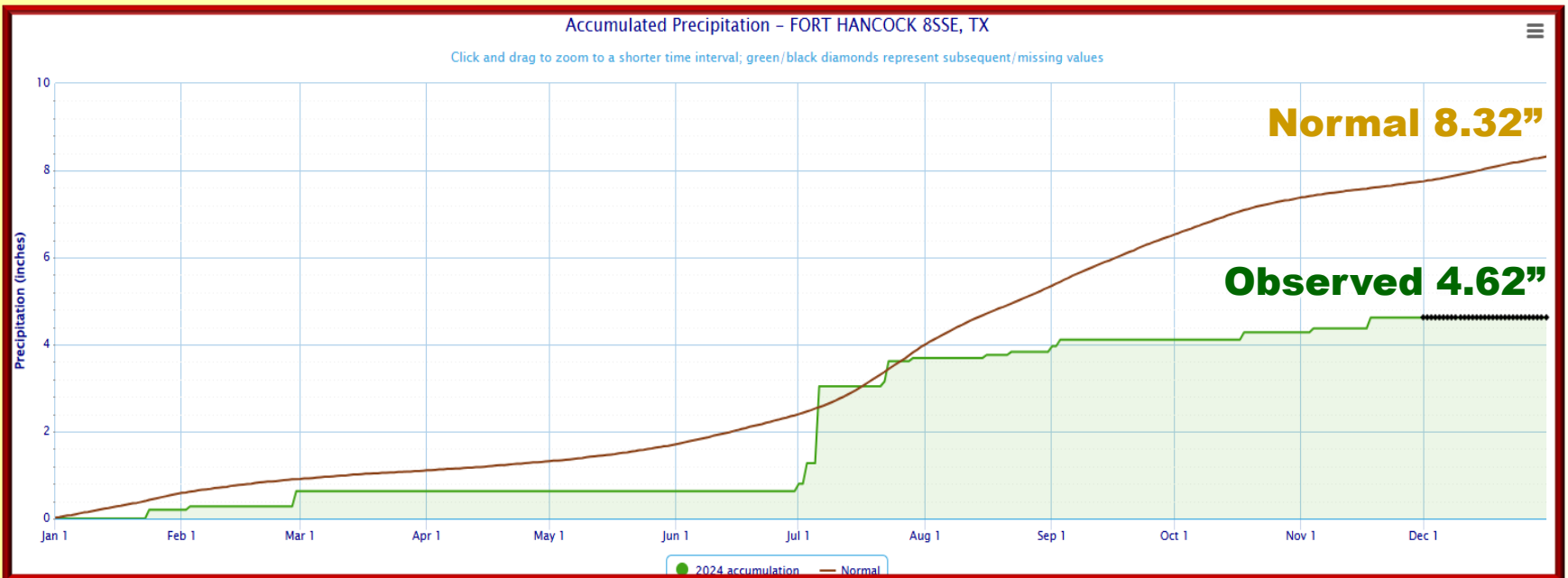
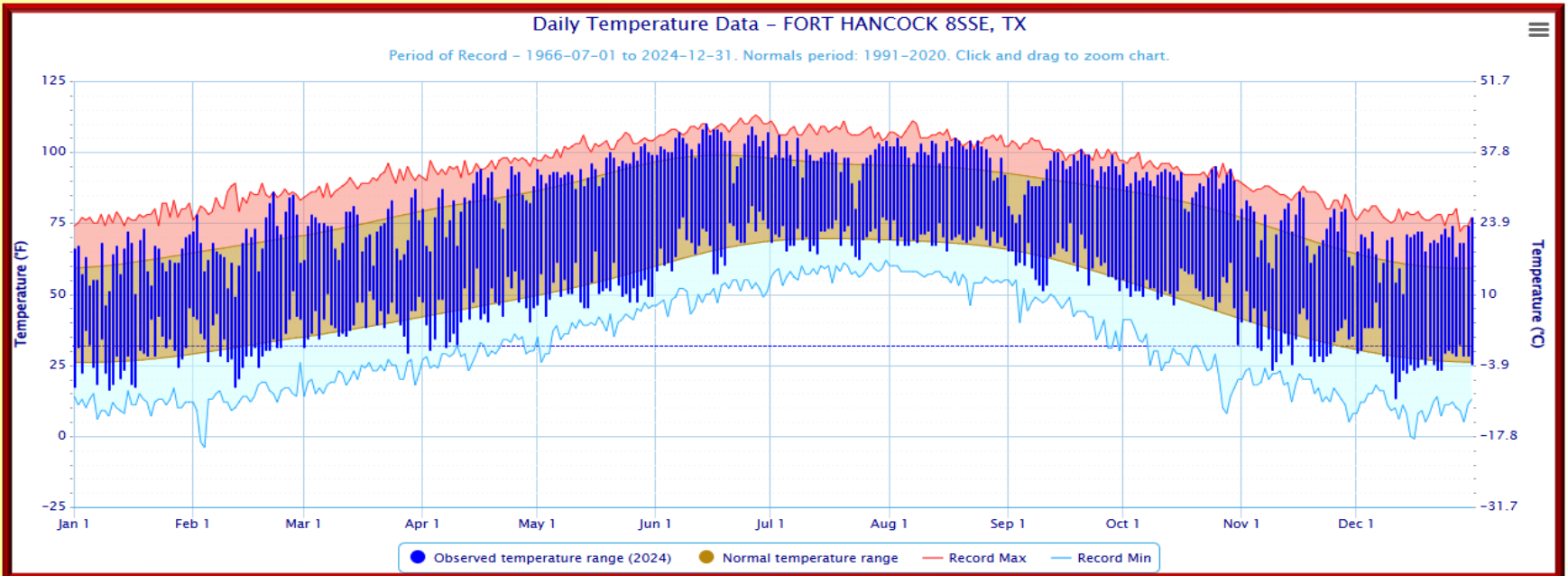


2024 Hillsboro Review (79 years)

Hillsboro COOP Station - HLLN5

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 79=Coldest
Jan	53.3	64	25.5	9	39.4	46
Feb	60.0	77	29.1	18	44.5	35
Mar	63.8	75	35.2	24	49.5	49
Apr	75.0	86	37.7	25	56.4	58
May	86.0	94	47.0	39	66.5	23
Jun	95.9	103	61.9	46	78.9	2
Jul	92.6	100	60.7	53	76.7	39
Aug	92.7	99	63.0	57	77.9	3
Sep	86.9	93	52.3	47	69.6	24
Oct	81.2	89	45.1	26	63.1	2
Nov	62.4	74	31.7	23	47.1	45
Dec	59.6	71	25.6	16	42.6	13

Ft Hancock, TX



2024 Fort Hancock Review (71 years)

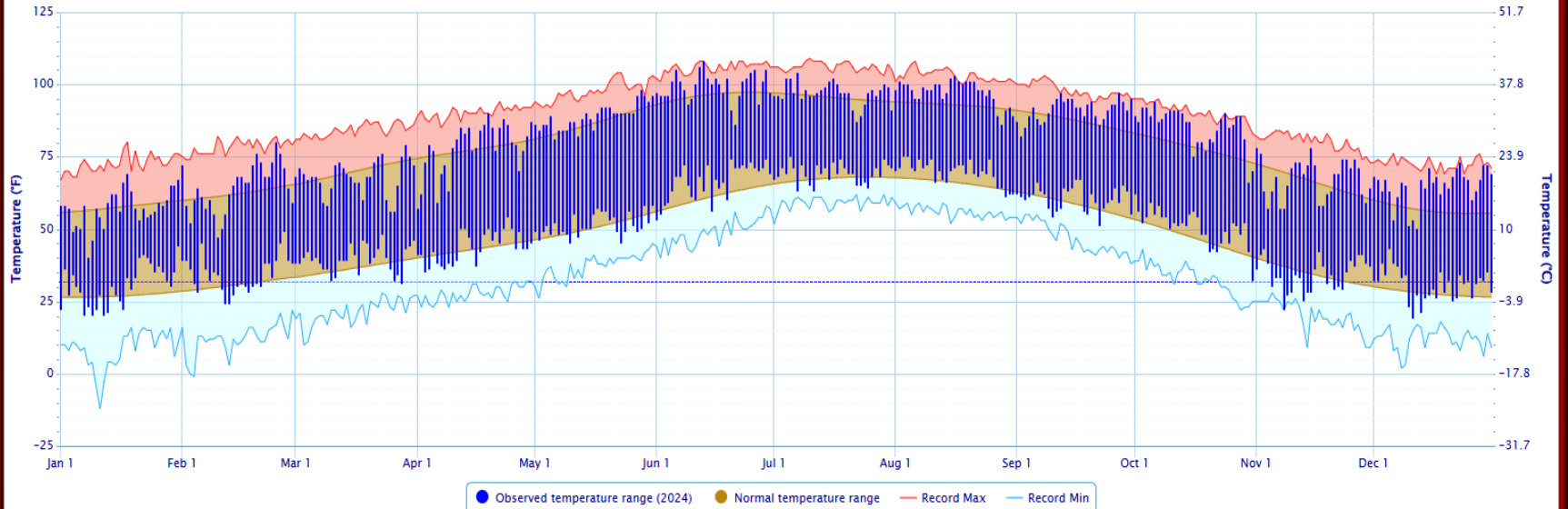
Fort Hancock COOP Station – FHAT2

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 70=Coldest
Jan	62.0	73	27.7	16	44.9	13
Feb	69.1	86	32.5	17	50.8	9
Mar	72.9	87	40.5	29	56.7	13
Apr	83.0	95	44.2	30	63.6	22
May	94.5	103	51.5	42	73.0	13
Jun	103.3	110	68.1	57	85.7	1
Jul	98.0	106	69.9	62	84.0	9
Aug	100.4	105	69.6	65	85.0	2
Sep	92.2	101	60.7	51	76.5	9
Oct	89.6	96	51.0	32	70.3	1
Nov	73.1	86	34.4	23	53.8	13
Dec	67.4	77	27.8	13	47.6	4

Deming, NM

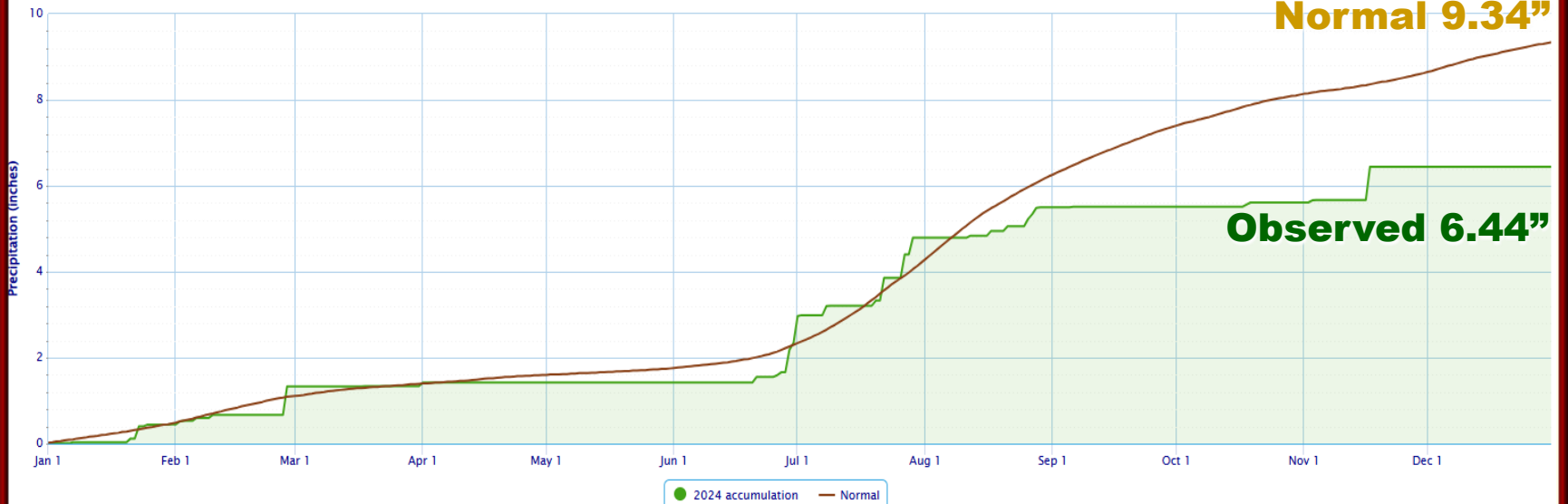
Daily Temperature Data - DEMING MUNICIPAL AP, NM

Period of Record - Max temperature: 1961-04-07 to 2025-01-01; Min temperature: 1961-04-08 to 2025-01-01. Normals period: 1991-2020. Click and drag to zoom chart.



Accumulated Precipitation - DEMING MUNICIPAL AP, NM

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



2024 Deming Review (45 years)

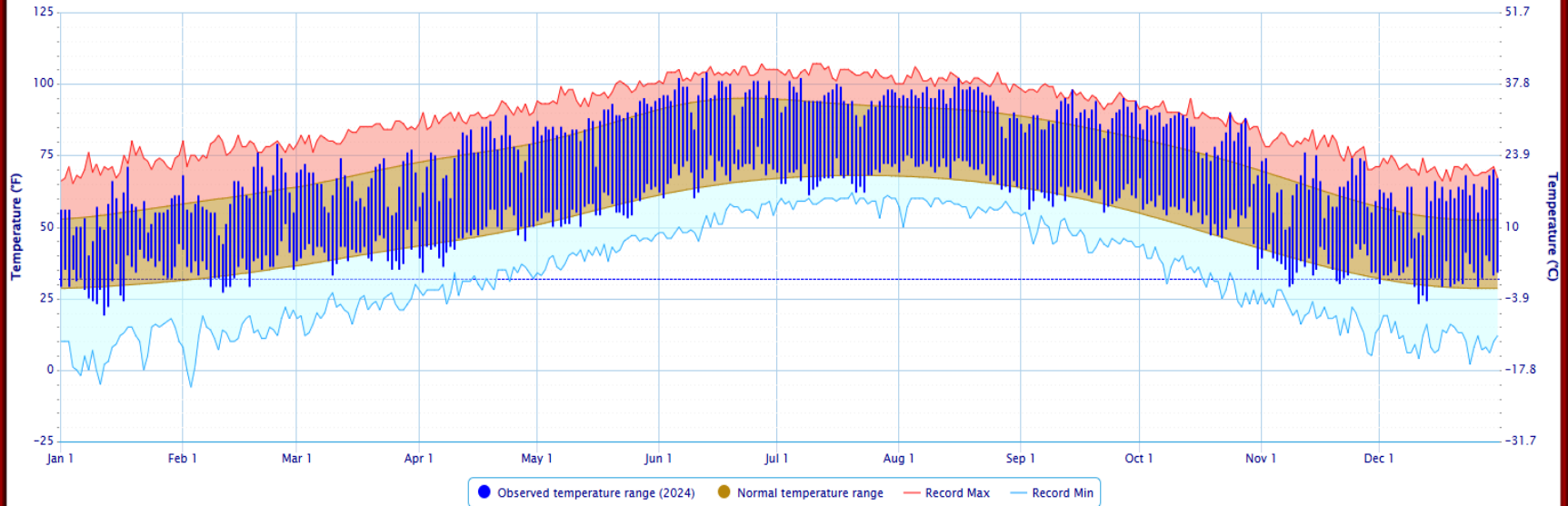
Deming COOP/Airport

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 44=Coldest
Jan	57.1	69	30.2	20	43.7	10
Feb	64.3	80	34.1	24	49.2	6
Mar	67.8	79	39.2	31	53.5	19
Apr	77.8	90	43.5	35	60.6	17
May	88.9	98	51.1	45	70.0	9
Jun	99.2	108	66.2	53	82.7	1
Jul	96.9	104	69.0	63	83.0	9
Aug	97.3	103	69.4	61	83.3	2
Sep	91.1	97	60.4	51	75.7	3
Oct	85.4	94	50.5	32	67.9	1
Nov	67.3	78	33.8	22	50.6	21
Dec	64.7	73	30.5	19	47.6	1

Truth Or Consequences, NM

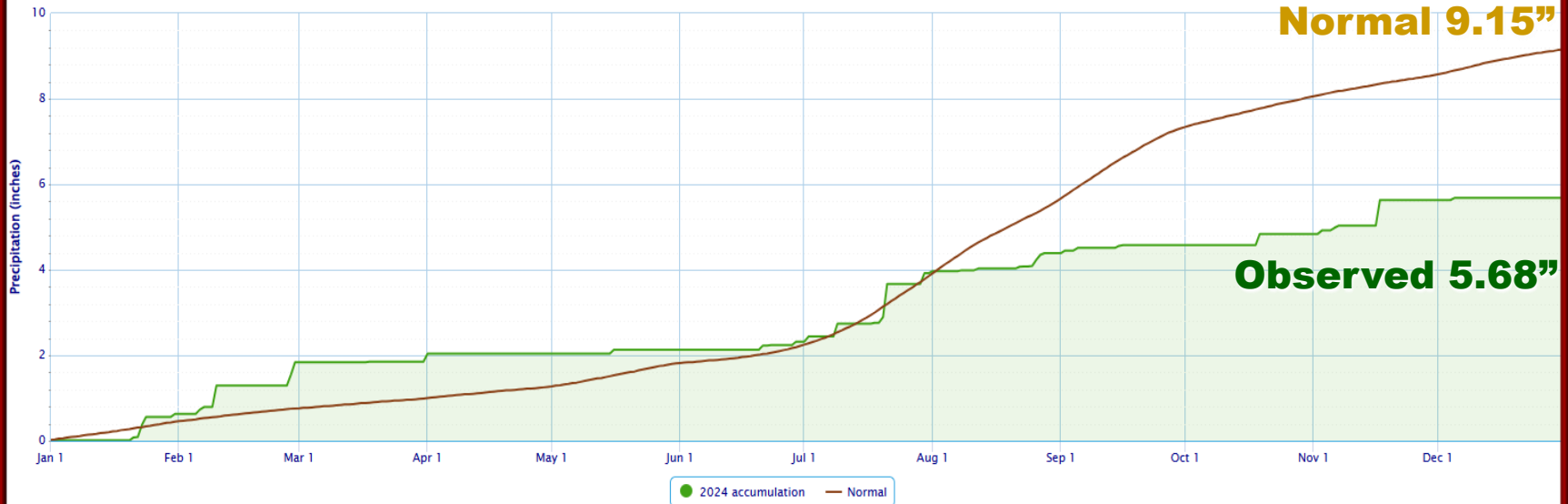
Daily Temperature Data – TRUTH OR CONSEQUENCES MUNICIPAL AP, NM

Period of Record – Max temperature: 1950-05-26 to 2025-01-01; Min temperature: 1950-05-27 to 2025-01-01. Normals period: 1991-2020. Click and drag to zoom chart.



Accumulated Precipitation – TRUTH OR CONSEQUENCES MUNICIPAL AP, NM

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

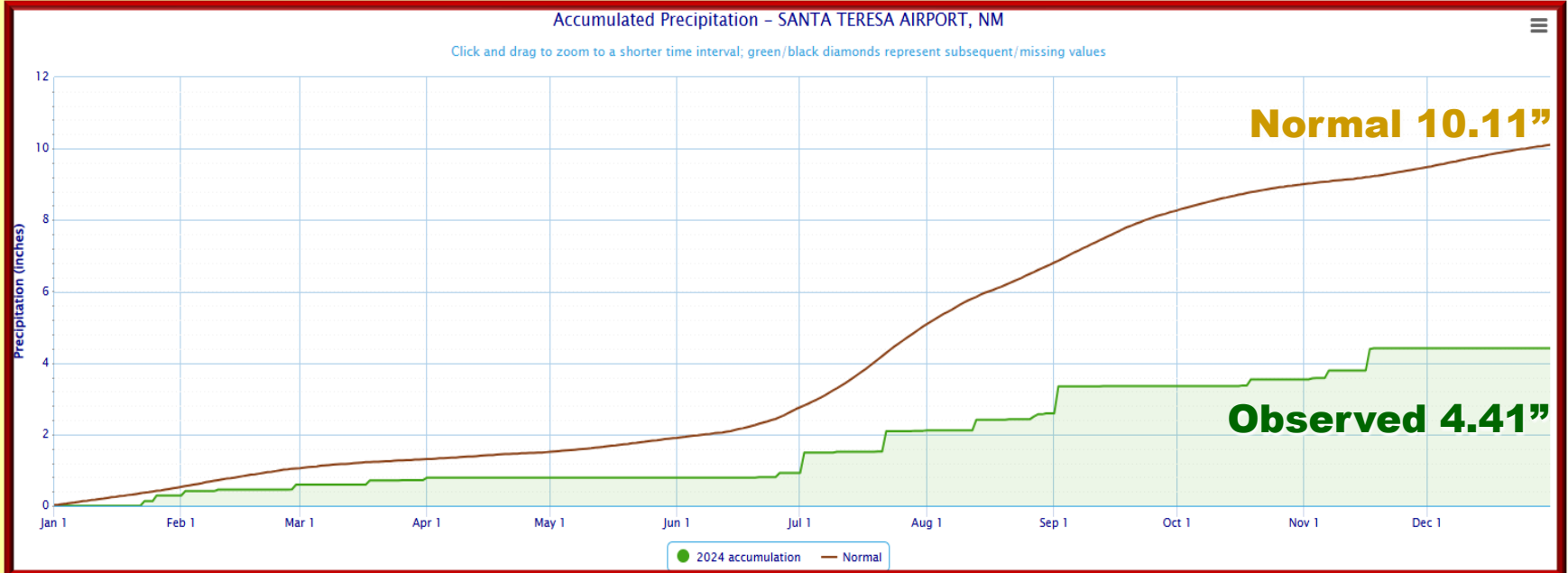
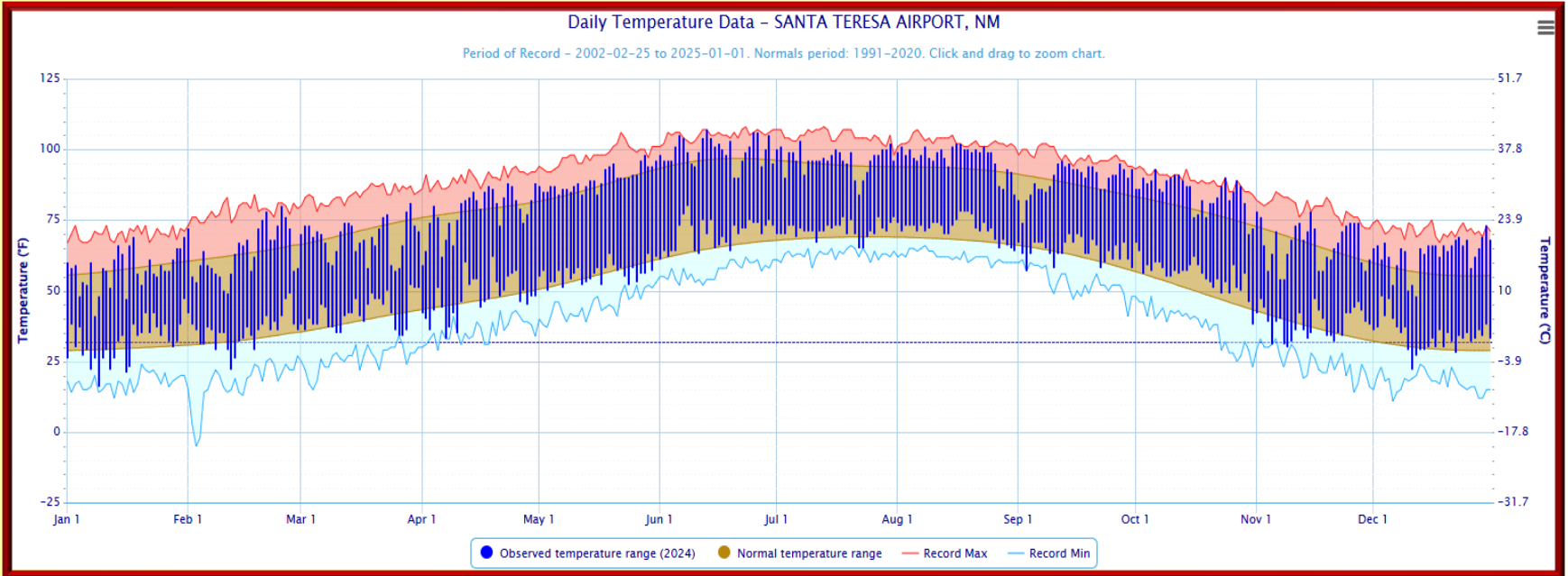


2024 Truth or Consequences Review (60 years)

T or C COOP/Airport

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 59=Coldest
Jan	55.1	71	32.2	19	43.6	17
Feb	61.7	79	35.9	27	48.8	13
Mar	65.8	77	41.0	33	53.4	21
Apr	75.9	89	46.8	34	61.3	18
May	87.0	95	56.1	50	71.6	9
Jun	96.1	104	69.1	60	82.6	3
Jul	94.8	102	67.5	61	81.2	16
Aug	95.0	102	69.8	62	82.4	3
Sep	89.3	98	60.9	55	75.1	6
Oct	82.8	91	53.8	35	68.3	1
Nov	63.8	76	36.9	29	50.4	24
Dec	60.8	70	32.7	23	46.7	3

Santa Teresa, NM

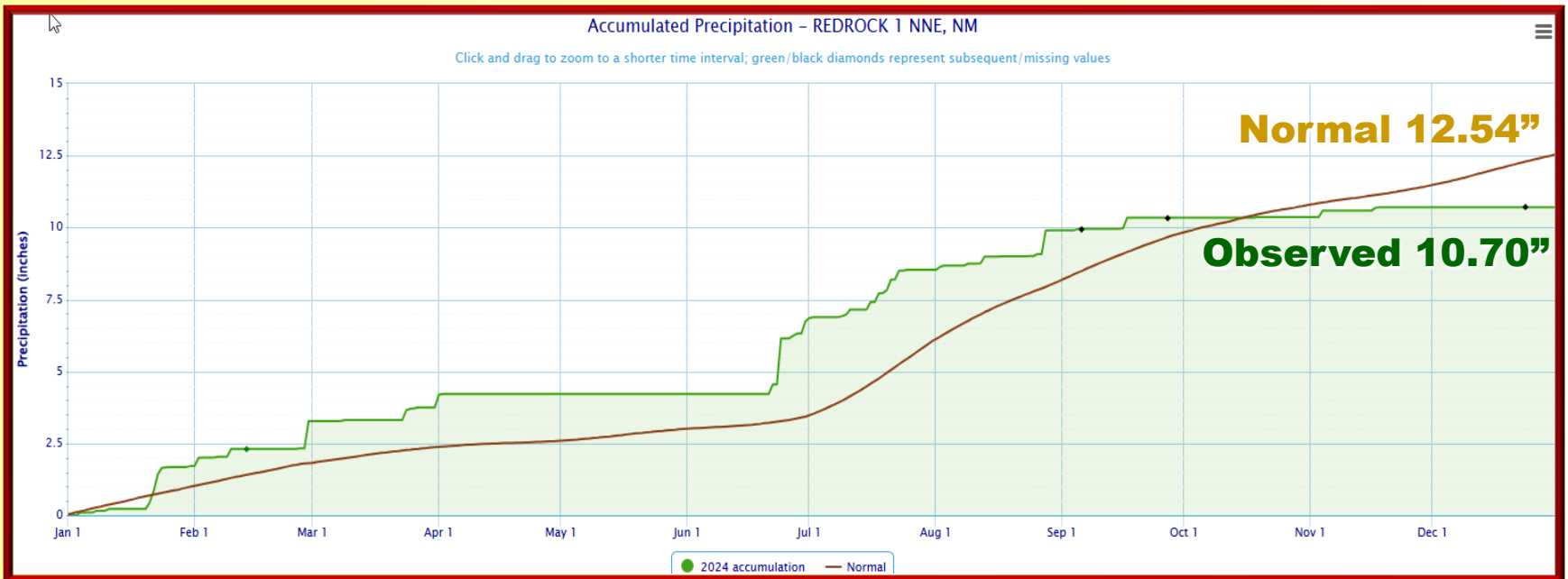
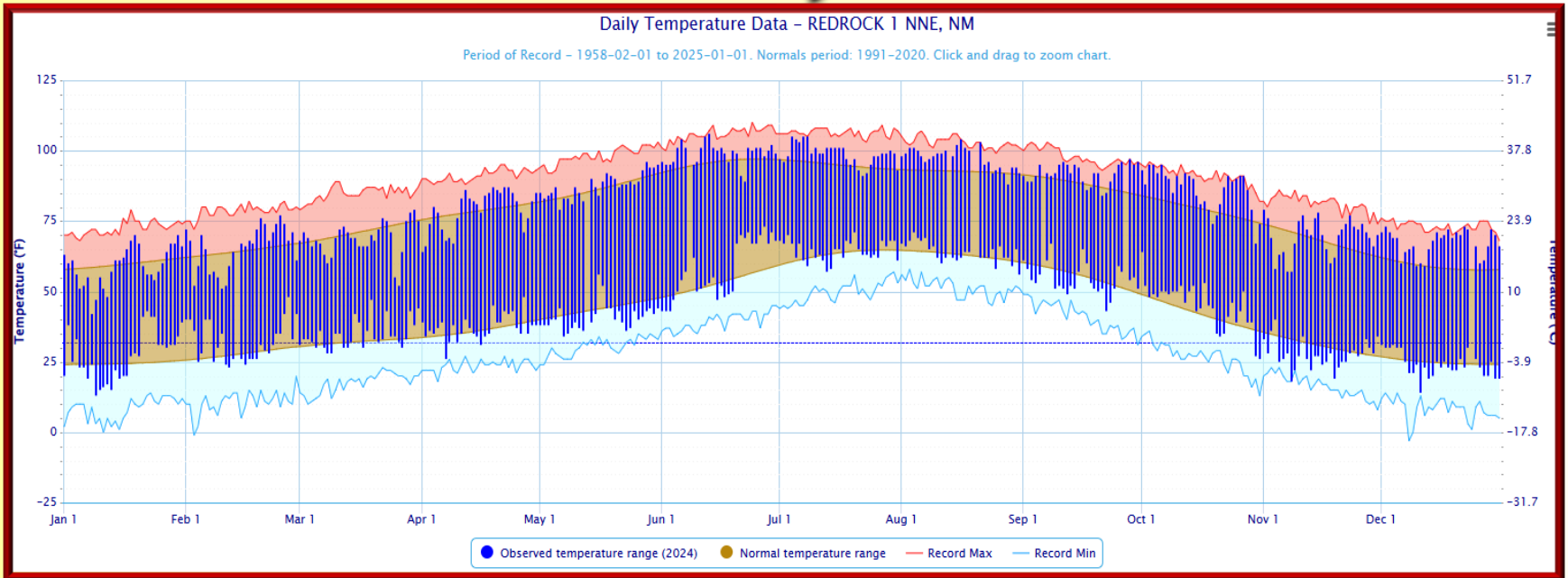


2024 Santa Teresa (28 years)

Santa Teresa NWS COOP

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 27=Coldest
Jan	57.6	69	31.5	16	44.6	12
Feb	63.7	80	35.5	22	49.6	11
Mar	68.6	81	41.7	34	55.2	15
Apr	78.1	88	47.5	33	62.8	15
May	89.4	98	55.9	50	72.6	11
Jun	99.5	107	69.9	61	84.7	1
Jul	96.4	103	71.3	65	83.8	9
Aug	97.2	102	71.8	64	84.5	2
Sep	89.6	96	64.1	57	76.8	8
Oct	84.7	93	55.4	38	70.0	1
Nov	66.6	78	38.3	30	52.5	14
Dec	63.3	73	34.1	22	48.7	2

Redrock, NM



2024 Redrock (67 years)

Redrock COOP

Month	Ave Max Temp	Highest Temp	Ave Min Temp	Lowest Temp	Ave Temp	Rank 1=Warmest 66=Coldest
Jan	59.0	70	27.0	13	43.0	18
Feb	65.5	77	31.9	23	48.7	7
Mar	68.5	79	34.4	28	51.5	26
Apr	78.9	87	37.0	26	58.0	26
May	87.6	96	40.8	34	64.2	43
Jun	98.9	106	57.4	43	78.2	2
Jul	98.8	105	64.3	57	81.5	6
Aug	97.3	104	63.8	56	80.5	6
Sep	91.9	97	54.3	43	73.1	14
Oct	86.4	95	44.9	26	65.7	1
Nov	69.4	79	27.5	18	48.5	37
Dec	67.2	73	24.0	14	45.6	2

El Paso Weather Highlights 2024

1991-2020 normals in parenthesis

Highest Temperature	109 – Jun 13
Lowest Temperature	21 – Jan 16
Greatest Daily Precipitation	0.90 – Jul 5
Greatest Daily Snowfall	T – Jan 8, Feb 11
Wettest Month	1.34” - Jul
Driest Month	T – May, Dec
Highest Peak Wind	69 mph – Jan 8
Last Freeze-Spring	Feb 18
First Freeze-Fall	Dec 10
Heating Degree Days (Normal)	1647 (2213)
Cooling Degree Days (Normal)	3515 (2663)

El Paso Weather Highlights - All Time

Highest Temperature	114 on June 30, 1994
Lowest Temperature	-8 on January 11, 1962
Greatest Daily Precipitation	6.50" on July 9, 1881
Greatest Daily Snowfall	14.5 on Dec 13, 1987
Wettest Month	8.18" July 1881
Driest Month	0.00" Numerous months
Highest Peak Wind	84 mph on March 26, 2010
Latest Last Freeze-Spring	May 2, 1967
Earliest Last Freeze-Spring	January 28, 1925
Latest First Freeze-Fall	December 20, 1939 & 2021
Earliest First Freeze-Fall	October 16, 1880
Season Heating Degree Days	3256 in 1976-1977
Annual Cooling Degree Days	3537 in 2023

El Paso Summer Heat

Consecutive Days at or Above 100 Deg

Rank	Number of Days	Ending Date
1	44	July 29, 2023
2	23	July 15, 1994
3	21	June 30, 1980
4	18	July 20, 2020
5	16	July 18, 2016
5	14	June 18, 1994
5	14	August 6, 1980
5	14	June 27, 1978
8	12	July 8 , 2005
8	12	June 30, 1998
10	11	August 25, 2024
10	11	August 10, 2023

El Paso Summer Heat

Number of Days Each Summer at or Above 100 Deg
(30 Year Average=27 days)

Year	Days	Year	Days	Year	Days
2024	55	2013	26	2002	32
2023	70	2012	28	2001	16
2022	20	2011	50	2000	13
2021	20	2010	30	1999	8
2020	57	2009	19	1998	18
2019	47	2008	15	1997	17
2018	46	2007	16	1996	11
2017	23	2006	18	1995	11
2016	38	2005	36	1994	62
2015	18	2004	16	1993	25
2014	30	2003	18	1992	26

El Paso Summer Heat

Consecutive Days at or Above 90 Deg

Rank	Number of Days	Ending Date
1	106	September 9, 2015
2	91	September 8, 2020
3	89	September 8, 2019
4	82	August 22, 2023
5	80	September 12, 1983
6	79	August 14, 1994
6	79	August 10, 1980
8	70	August 24, 1934
9	66	Jul 21, 2024
10	66	Sep 9, 1982

El Paso Winter Cold Consecutive Days with Lows at or Below 32 Deg

Rank	Number of Days	Ending Date
1	27	January 23, 1944
2	25	December 30, 1960
3	23	January 24, 1925
4	20	January 29, 1987
4	20	December 30, 1985
6	19	January 22, 1967
7	18	December 27, 1966
7	18	January 12, 1893
9	17	January 8, 1954
9	17	February 2, 1897
9	17	January 13, 1881
12	16	January 29, 2001
12	16	January 27, 1898
12	16	January 15, 1886

El Paso Winter Cold Consecutive Days with Lows at or Below 20 Deg

Rank	Number of Days	Ending Date
1	6	December 19, 1985
1	6	January 9, 1971
1	6	January 13, 1967
1	6	January 25, 1963
1	6	January 17, 1963
6	5	February 5, 2011
6	5	December 20, 1996
6	5	January 13, 1962
6	5	December 27, 1953
6	5	February 3, 1951
6	5	January 31, 1948
6	5	January 10, 1913

El Paso Winter Cold Number of Days Each Year With Lows at or Below 32 Deg (30 Year Average=42 days)

Year	Days	Year	Days	Year	Days
2024	14	2013	57	2002	59
2023	30	2012	36	2001	67
2022	50	2011	56	2000	44
2021	29	2010	43	1999	46
2020	40	2009	37	1998	46
2019	28	2008	43	1997	56
2018	31	2007	46	1996	55
2017	21	2006	38	1995	29
2016	31	2005	29	1994	42
2015	38	2004	41	1993	39
2014	37	2003	43	1992	50

El Paso Drought-Consecutive Days with No Measureable Rain (Trace or less)

Rank	Number of Days	Ending Date
1	136	June 22, 1910
2	128	June 13, 2002
3	126	June 29, 1896
4	119	June 1, 2011
5	101	January 24, 2006
5	101	June 7, 1902
5	101	July 15, 1892
8	99	May 22, 1963
9	98	March 2, 1964
10	93	May 3, 1972

El Paso Drought-Consecutive Days with No Rain

Rank	Number of Days	Ending Date
1	118	May 31, 2011
2	109	May 25, 2002
3	88	December 31, 1950
4	80	May 9, 1904
5	72	December 10, 1903
6	69	May 8, 1902
7	68	June 12 1996
8	64	July 4, 1916
9	63	December 9, 1954
10	58	October 19, 2005