



Climate of Salem

4th Revision: Feb 2024

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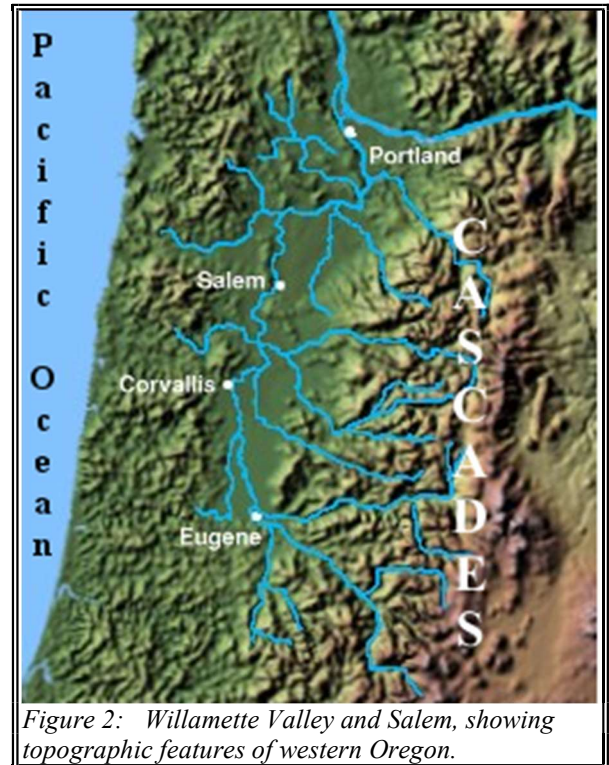
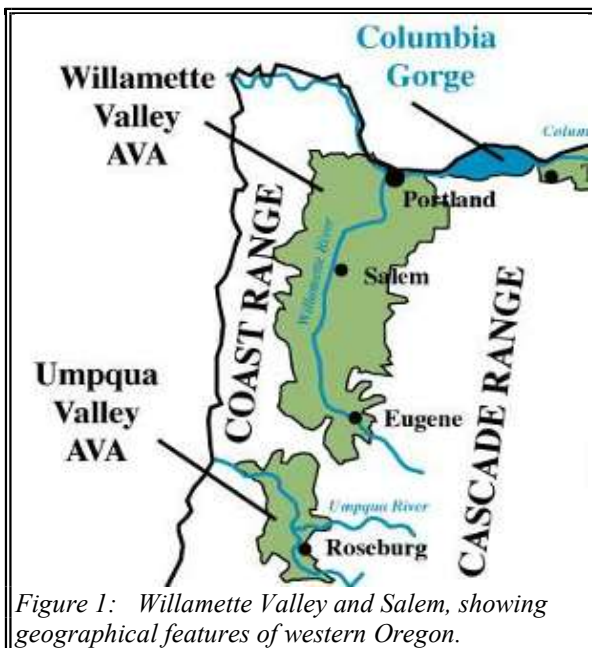
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Climate of Salem

I. Geographical Overview

Salem is about 60 miles inland from the Pacific Ocean, and is located in the middle of the fertile Willamette River Valley. McNary Field, Salem's airport, is the current location of the weather observation equipment. The airport is located in the south central part of Salem, about 3 miles from downtown Salem.

At Salem, the Willamette Valley is about 50 miles wide, with Salem at midpoint. To the east rise the Cascades Range, which top out near 5000 to 6000 feet, with a few peaks being much taller. Mount Jefferson, which is about 60 miles east of Salem, is a stratovolcano that rises to 10,496 feet above sea level. To west of Salem lies the Coast Range, generally 2500 to 3500 feet above sea level. There is a ridge of hills (Turner Hills) that extend from southeast of Salem across southern part of Salem, and continue to west and northwest of Salem (Eola Hills).



II. Climatological Summary

The Coast Range provides the Salem area, with limited shielding from incoming storms from the Pacific Ocean. Rainfall over the Coast Range totals over 150 inches annually. From the ridge of the Coast Range (about 3000 feet above sea level), there is a gradual decrease in rainfall downslope to the valley floor, where annual rainfall is 35 to 45 inches.

The Cascades offer a steep slope for orographic lift of moisture-laden westerly winds, resulting in increasing rainfall for the Cascades and foothills. The Cascades also act as a barrier, preventing the colder continental air masses that originate in the arctic areas of Canada, from invading western Oregon. Occasionally, cold air does work its way into western Oregon via the Columbia River Gorge, filling the Willamette Valley.

Rain is a part of life during autumn and winter. Nearly 90 percent of the annual rainfall occurs between early October and mid-May. In fact, only about 2 percent of our rain occurs in July and August. It is not uncommon to see relatively dry summers, with no rain in both July and August. The first autumn rain often arrives about mid to late September, but it generally is not until early October when rain frequency increases.

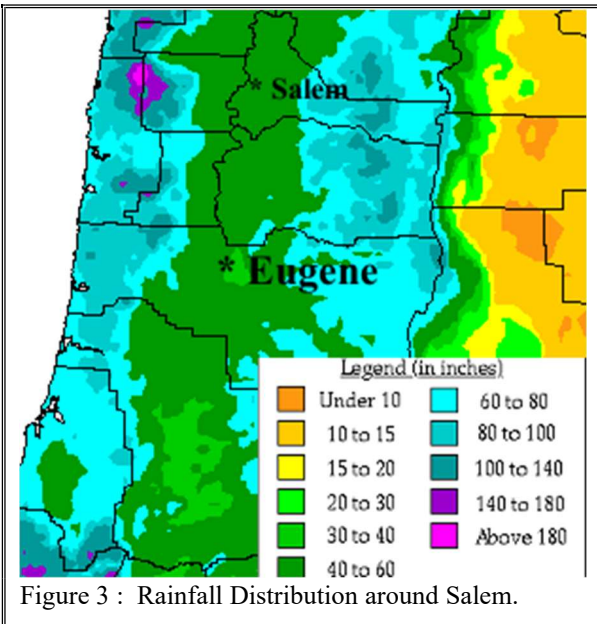


Figure 3 : Rainfall Distribution around Salem.

Precipitation falls mostly as rain, with an average of only four days per year recording measurable snow. Snow accumulations are rarely more than two inches, and often melt within a day. Most likely areas of snow will be the higher terrain above 800 feet (which includes the South Hills and Turner Hills). Too many times, warm air pushing in from the Pacific quickly ends the threat of low elevation snow. However, occasionally, significant snow can occur, such as in January of 1950 when 3 feet of snow fell.

The winter season is characterized by mild temperatures, frequent cloudy skies, and rain. Winds are predominately either southerly during the mild rainy spells, or northerly

during the colder dry spells. Outbreaks of cold arctic air from east of the Cascades will occasionally spill into Western Oregon via the Columbia River Gorge, bringing chilly north winds. During these cold air events, if a moist Pacific front pushes into the region, rain will occur. Initially, the warm south winds will not be strong enough to scour out the cold air from the lowlands. As a result, the rain falls into the shallow layer of sub-freezing air, with freezing rain, sleet, and sometimes snow resulting. Often this phase is of short duration, with temperatures warming and ending the freezing/frozen precipitation.

Temperatures are generally mild during the cool season, with highs in the middle 40s to lower 50s and lows in the 30s. It is common to see overnight winter low temperatures into 20s. During cold nights in winter, with an arctic air mass in place over the region, winds are often light under clear skies. This allows for rapid temperatures falls once the sun sets. At that time, temperatures can plummet below 20°F. Such cold temperatures are rare, averaging about twice per winter. The most notable cold snaps occurred in 1950, 1972 and 1989. During the 1972 cold snap, Salem recorded its lowest temperature, with 12°F below zero.

Spring is a transitional time as the weather pattern shift from winter to summer. However, spring is not all that warm, and often, not all that dry. March and April are often damp and cool, with only a few warm dry days. May and June turn more dry, and see the most of the warming weather. Generally, afternoon temperatures warm from the 60s/70s in May to the 70s/lower 80s in June. However, it is not uncommon to see temperatures into the 80s in April and May, with temperatures of 90°F or warmer in May. The warmest day in May was 100°F, occurring in 1983. Even though the number of rainy days decreases in May and June,

there are still plenty of cloudy days, keeping daytime temperatures in the 70s.

Summer finally arrives in early July, when afternoon highs in the 80s occur with regularity. High pressure over the Pacific builds in the summer, with northerly winds prevailing in the afternoons and evenings. This high also shuts off the moisture source, allowing summers to often be dry and warm. Temperatures will often reach the lower to middle 90s, but these warm days do not last long before the cooler ocean air moves inland and cools the region back into the 70s. Temperatures above 100 degrees are rare, but usually occur in July and/or August. Hottest day ever in the Salem was 117°F on 28 June 2021. This is likely the hottest temperature ever recorded west of the Cascades.

Autumn is the reverse of spring. September is still warm and dry, but by early to mid-October, fall arrives with high temperatures back into the 60s. As the night time hours increase, the valley cools more, allowing fog to form on clear nights. Fog can be quite dense during the late night/early morning hours, and can persist for several days.

Destructive windstorms are rare in Salem, due to proximity of the hills to south and southwest. These hills act as a block for the strong southerly winds. The strong south winds blow aloft over the Salem area, but do surface to the Willamette Valley floor further north. But strong winds often occur on the higher hills. Surface winds seldom exceed 50 mph, and have rarely exceeded 70 mph. The strongest winds occurred during the infamous Columbus Day storm of 1962, when south winds peaked at 90 mph.

Thunderstorms can occur during any month, but are not common. Thunderstorms in the winter and spring are weak, producing small hail and brief gusty winds. However, those in summer can produce prolific lightning,

strong winds and larger hail. Occasionally, thunderstorms will produce funnel clouds, but tornadoes are rare. No tornado has ever been recorded in the city of Salem.

On average, the last occurrence of 32 degrees in the spring is 18 April, while the first of autumn is 28 October. However, temperatures of 32°F have occurred as late in spring as 6 June (in 1899) and as early in autumn as 12 September (in 1921).

IV. Station Observing History

Salem's weather records date back to February 1892, when a cooperative station was established. Recorded weather data included temperatures and precipitation. The station was maintained at various locations in downtown Salem until 1937.

On 3 November 1937, a first order weather reporting station was established by the U.S. Weather Bureau at the Salem Municipal Airport. Staff now observed and recorded weather observations 24 hours per day. Primary reason for the new weather station was due to the increased air traffic between San Francisco and Seattle. Many of the aircraft needed to land and refuel between the two cities. Salem, like Medford and Eugene, became stopping points for aircraft. The new weather stations supplied weather information to pilots, making these pilot weather briefings a significant operation and the new offices. Old weather equipment was replaced, and other equipment such as wind anemometers and barometers were added. In addition to the pilot weather briefings and weather data collection, the new Salem weather office issued regular public weather forecasts and if necessary, storm warnings, for Marion, Polk, Benton, Yamhill, Lincoln, and Linn counties in Oregon. The newly created office was located in the Eyerley Aircraft Corporation office, located next to

the airport. On 3 March 1938, the office was moved to a small room in the north corner of the second floor of the hangar building, about 200 feet southwest of the former location. This office was enlarged in 1948, to provide room for teletype machines. On 18 July 1950, the offices and observational equipment were moved to the Salem Airport Administration Building, a half mile west of the hangar.

National Weather Service (NWS) operations continued at Salem through summer of 1995. On 1 July 1995, the Automated Surface Observing Station (ASOS) replaced the manned observations. Weather forecasts, services and warning operations were transferred to the NWS office in Portland. Since 1 July 1995, Salem's weather observations have been generated by machine, with limited augmentation.

Climate data continue to be collected, but snowfall was no longer measured due to ASOS inability to measure snowfall.

V. Updating this Study.

For future updates to the data in this study, refer to the latest climatic data published by the National Climatic Data Center, or contact the National Weather Service in Portland.

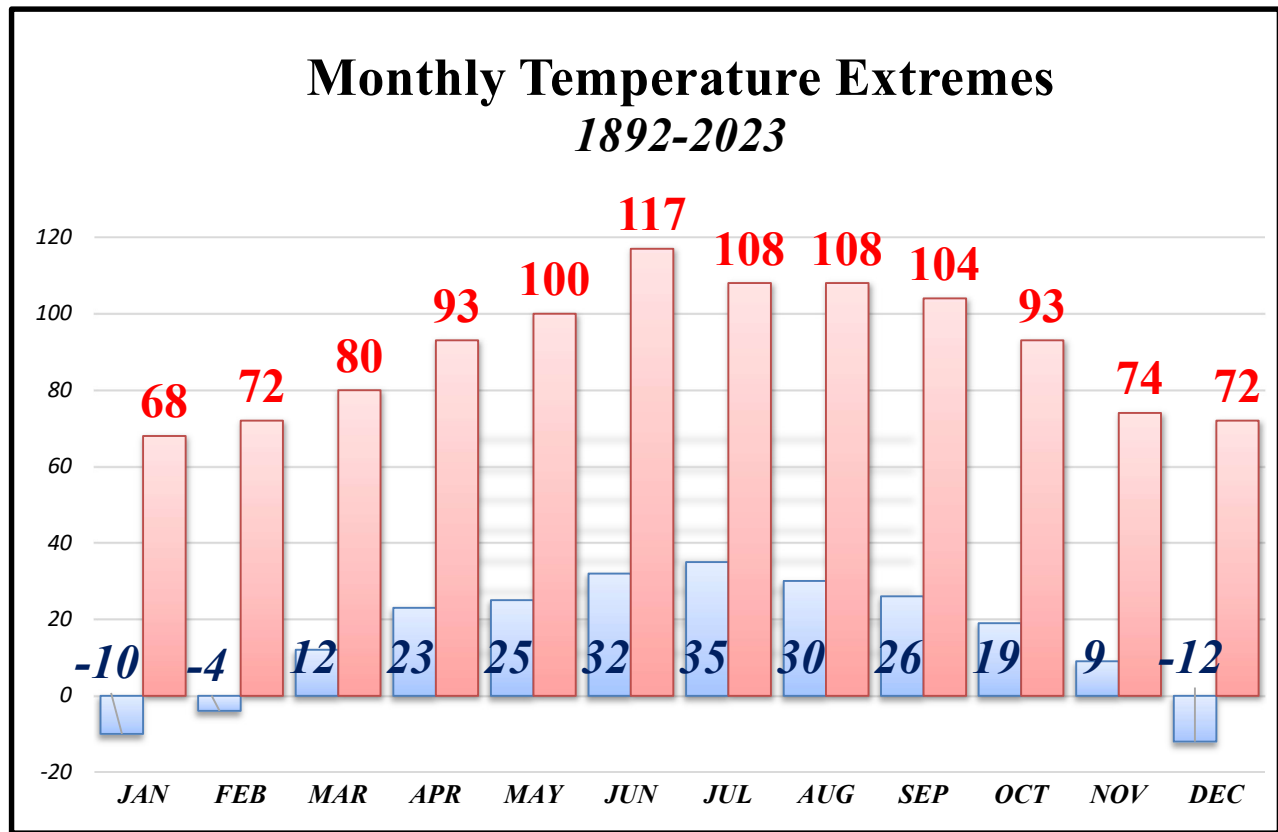
Salem data is also available on our website:

<http://weather.gov/Portland>

Table below shows the basic movement and elevations of Salem's weather equipment.

Salem Observation Equipment History and Locations	Occupied		D I S T A N C E M O V E (mile)	L A T I T U D E	L O N G I T U D E	Elevation (in feet) Above										
	F R O M	T O				Sea Level	Ground								8	H Y G R O T H E R M
						G R O U N D T E M P S	W I N D E Q U I P M	E X T R E M E T E M P	P R E S E N T M E T E R	S U N S H I N E	T I M P I N G	W E I G H T B U C K	W I N G B U C K	I N C H A I N		
Various sites in downtown Salem	Feb 1892	6 Aug 1928	n/a	na	na	195		5					4			
Eyerley office	6 Aug 1928	3 Nov 1937	3 miles SSE	45°55'	123°00'	182	60	5	5				3			
Eyerley office (WB Station)	3 Nov 1937	3 Mar 1938	none	45°55'	123°00'	195	80	5	5				3			
Salem Airport Hangar Building	3 Mar 1938	18 Jul 1950	200 ft SW	45°55'	123°00'	195	24	5	5			4	3			
Salem Airport Admin Building	18 Jul 1950	1 Sep 1959	0.5 mile W	45°55'	123°01'	196	30	5	5			4	3			
Salem Airport Admin Building	1 Sep 1959	26 Apr 1978	none	45°55'	123°01'	196	20	5	5			4	3	4		
3030 25 th St. SE McNary Field	26 Apr 1978	1 Jul 1995	370 feet SSW	45°55'	123°00'	196	20	5	5			5	5	4		
ASOS	1 Jul 1995	Present	none	45°54'	123°00'	195										

Extreme Temperatures



Salem: Extremes Temperatures (1892-2023)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Warmest	68°	72°	80°	93°	100°	117°	108°	108°	104°	93°	74°	72°
<i>date</i> ¹	18 th 1899	28 th 1968	15 th 1947 1923	28 th 1926	28 th 1983	28 th 2021	15 th 1941 1927	9 th 1981	2 nd 1988	2 nd 1970	3 rd 2010	9 th 1929
Coldest	-10°	-4°	12°	23°	25°	32°	35°	30°	26°	19°	9°	-12°
<i>date</i> ¹	31 st 1950	3 rd 1950 1899	1 st 1971	13 th 1968	1 st 1954	3 rd 1976 1899	5 th 1932 1899	30 th 1920	27 th 1972 1934	27 th 1919	15 th 1955	8 th 1972

¹ Occurred multiple times, with date of most recent occurrence listed, and other years listed below that.

Warmest Recorded Temperature

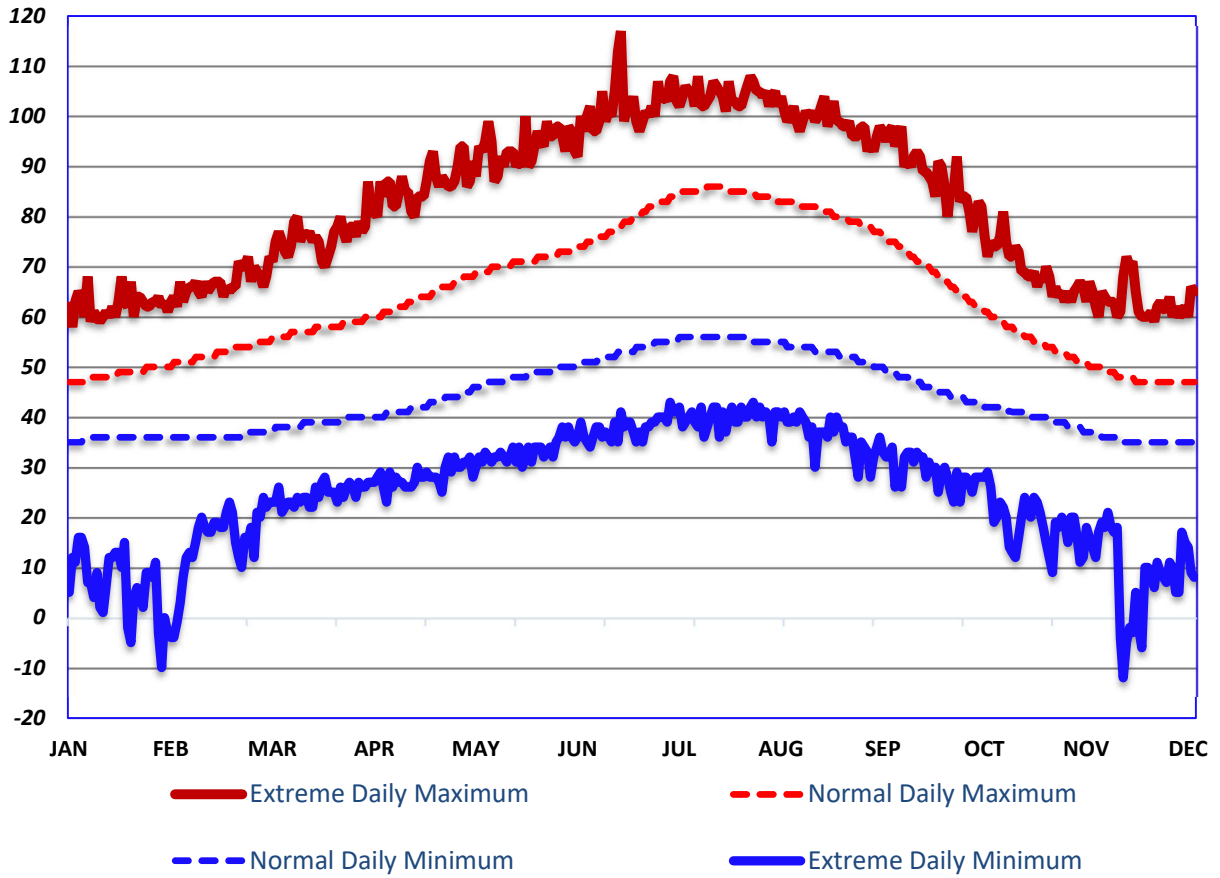
117° on 28 June 2021

Coldest Recorded Temperature

-12° on 8 December 1972

Salem Daily Temperatures

1892-2023 Extremes & 1991-2020 Normals



Salem (Airport): Climatic Normals (1991-2020)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Max Temp	48.4	52.1	56.8	61.6	69.0	74.6	83.5	83.6	77.5	64.8	53.6	47.4	64.4
Min Temp	35.8	35.9	38.3	41.0	46.3	50.8	55.1	54.8	50.6	43.9	39.0	35.1	43.9
Mean Temp	42.1	44.0	47.5	51.3	57.7	62.7	69.3	69.2	64.0	54.3	46.3	41.3	54.1

SALEM: JANUARY Daily Temperature (°F) Records

	MAXIMUM (TX)		MINIMUM (TN)		1991-2020 Normals ¹				%days TN		% days TX						
	Warmest	Coolest	Warmest	Coolest	TX	TN	HD	CD	≤32	≤39	≤39	≥50	≥60				
1	62	1918	22	1979	52	1997	5	1924	47	35	24	0	42	77	18	31	2
2	58	1953	26	1979	49	2003	12	1950	47	35	24	0	45	78	21	33	0
3	63	1984	29	1959	53	1984	11	1950	47	35	24	0	42	78	21	29	1
4	65	1984	26	1959	52	1918	16	1947	47	35	24	0	41	75	21	31	2
5	64	1914	24	2004	52	2010	16	1971	47	35	24	0	43	72	22	35	2
6	60	2002	24	1937	52	2022	14	2017	47	36	24	0	44	75	23	31	2
7	68	1896	22	1909	54	2002	7	1937	47	36	24	0	40	76	17	31	4
8	59	1945	22	1909	51	1902	7	1937	48	36	24	0	40	76	18	34	0
9	61	1990	21	1909	47	1986	4	1909	48	36	23	0	40	79	18	31	1
10	60	2019	20	1909	50	2006	9	1974	48	36	23	0	40	79	18	28	2
11	59	2022	19	1909	50	2018	2	1909	48	36	23	0	45	78	21	28	0
12	60	2022	17	1909	53	1991	1	1909	48	36	23	0	45	73	20	31	2
13	61	1991	19	1909	53	1973	6	1930	48	36	23	0	44	68	21	37	2
14	60	2018	25	1916	52	2011	12	1907	48	36	23	0	42	69	15	38	1
15	62	1958	23	1907	52	1974	12	1907	48	36	23	0	45	72	18	33	1
16	60	1944	24	1930	54	2011	13	1950	48	36	23	0	40	71	18	33	2
17	63	2018	20	1950	51	1975	13	1950	49	36	23	0	40	76	14	32	3
18	68	1899	24	1930	57	2005	10	1943	49	36	23	0	40	72	17	40	5
19	63	2005	25	1930	51	2012	15	1922	49	36	23	0	40	73	15	38	1
20	62	1968	25	1935	51	1968	-2	1930	49	36	23	0	47	77	18	32	2
21	67	1899	27	1927	50	1970	-5	1930	49	36	23	0	42	79	11	35	2
22	60	2016	24	1927	51	1934	4	1930	49	36	22	0	37	76	13	46	2
23	64	1931	29	1930	50	2020	6	1943	49	36	22	0	39	73	12	40	2
24	64	2015	27	1943	52	1984	5	1943	49	36	22	0	38	76	12	38	3
25	63	1993	24	1969	52	2003	2	1930	49	36	22	0	40	75	13	38	2
26	62	1924	24	1902	49	2016	9	1930	50	36	22	0	44	78	13	40	2
27	62	2016	26	1957	52	1967	9	1957	50	36	22	0	43	80	17	38	2
28	63	1931	24	1969	51	1965	8	1969	50	36	22	0	44	75	15	36	5
29	63	1992	25	1950	52	1965	11	1980	50	36	22	0	40	72	15	40	3
30	64	1971	23	1950	52	1995	-3	1950	50	36	22	0	39	75	16	40	4
31	62	1995	16	1950	56	1995	-10	1950	50	36	22	0	40	76	15	43	4
Extreme MAXIMUM		Extreme MINIMUM		Month Normals				January									
Warmest	Coolest	Warmest	Coldest	TX	TN	HD	CD										
68 1899+	16 1950	57 2005	-10 1950	48.4	35.8	710	0										

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: FEBRUARY Daily Temperature (°F) Records

	MAXIMUM (TX)				MINIMUM (TN)				1991-2020 Normals ¹				%days TN		% days TX		
	Warmest		Coolest		Warmest		Coolest		TX	TN	HD	CD	≤32	≤39	≤39	≥50	≥60
1	63	1934	25	1950	49	1896	0	1950	50	36	22	0	42	77	13	50	2
2	61	2018	23	1989	51	1925	-3	1950	50	36	22	0	44	75	13	43	2
3	63	1963	16	1989	53	1963	-4	1950	50	36	22	0	42	76	12	47	4
4	64	1984	23	1899	49	1991	-4	1899	51	36	22	0	42	73	11	46	5
5	62	2010	28	1899	53	1907	-1	1989	51	36	22	0	36	75	9	47	2
6	67	1998	27	2014	51	2015	3	1899	51	36	22	0	36	72	9	56	5
7	63	1993	28	2014	52	1996	8	1989	51	36	22	0	37	75	5	51	6
8	65	2016	32	2014	52	1907	12	1989	51	36	22	0	40	78	7	51	7
9	66	1963	27	1933	50	1951	13	1933	51	36	22	0	44	77	6	56	7
10	66	1963	34	1923	52	1921	12	1933	51	36	22	0	43	79	6	54	5
11	67	2022	30	1905	53	1921	15	1929	52	36	21	0	39	75	4	54	5
12	65	2022	30	2021	54	1924	18	1929	52	36	21	0	45	75	4	59	5
13	64	1931	30	1995	51	1991	20	1905	52	36	21	0	34	76	5	57	5
14	67	1898	34	1990	52	1982	18	1995	52	36	21	0	36	72	5	55	6
15	65	1977	31	1956	49	2016	17	1936	52	36	21	0	33	65	4	64	11
16	66	2015	34	1956	51	1982	17	1956	52	36	21	0	31	64	5	62	8
17	67	1902	24	1936	48	1958	19	1936	52	36	21	0	29	72	4	64	12
18	67	1977	35	1936	53	1968	19	1955	53	36	21	0	35	71	2	58	11
19	67	1995	35	1993	53	1995	18	2006	53	36	21	0	32	75	2	70	7
20	64	1995	38	1993	50	1961	18	2006	53	36	21	0	33	78	2	64	7
21	66	1973	36	1957	52	2002	21	1894	53	36	21	0	33	71	3	69	9
22	65	2002	33	1957	51	1983	23	1894	53	36	20	0	32	78	3	68	9
23	66	2005	36	2023	54	1986	21	2022	54	36	20	0	38	73	2	68	15
24	66	1970	34	1962	53	1986	15	1962	54	36	20	0	37	76	2	70	14
25	71	1991	35	1962	54	1896	12	1962	54	36	20	0	32	74	4	65	12
26	70	1968	36	2011	53	1932	10	1962	54	36	20	0	31	80	3	65	12
27	70	1986	37	1971	53	1972	16	1960	54	37	20	0	32	72	2	67	17
28	72	1968	36	1971	56	2022	15	1971	54	37	20	0	32	68	1	73	19
29	67	1968	41	2012	47	1988	18	1960	54	37	20	0	32	77	0	61	3
Extreme MAXIMUM		Extreme MINIMUM		Month Normals													
Warmest	<i>Coolest</i>	<i>Warmest</i>	Coldest	TX	TN	HD	CD										
72 1968	16 1989	54 1986 +	-4 1950 1899	52.1	35.9	588	0										

February

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: MARCH Daily Temperature (°F) Records

	MAXIMUM (TX)		MINIMUM (TN)		1991-2020 Normals ¹				%days TN		% days TX						
	Warmest	Coolest	Warmest	Coolest	TX	TN	HD	CD	≤32	≤39	≤49	≥60	≥70				
1	70	1905	35	1896	52	2022	12	1971	55	37	19	0	32	70	29	17	1
2	69	1921	31	1896	54	1905	21	1971	55	37	19	0	31	72	29	12	0
3	68	1905	33	1960	53	1950	20	1976	55	37	19	0	29	68	30	16	0
4	66	1986	34	1960	53	1979	24	1967	55	37	19	0	32	70	27	19	0
5	68	1965	34	1951	53	1979	22	1976	55	37	19	0	32	70	29	19	0
6	72	2001	37	2019	50	2014	23	1956	55	37	19	0	35	71	19	16	1
7	71	2001	39	1951	53	1904	23	1985	56	37	19	0	32	68	19	19	2
8	75	1953	37	1951	48	1983	23	1971	56	38	18	0	25	69	22	22	2
9	77	1905	36	1951	51	2017	26	1969	56	38	18	0	25	71	20	24	4
10	75	1905	40	1950	51	1900	21	1969	56	38	18	0	27	67	19	23	4
11	73	2005	40	1906	57	2007	22	1969	56	38	18	0	28	68	22	19	4
12	72	2018	33	1906	53	2015	23	1954	56	38	18	0	25	65	20	22	5
13	74	1979	39	1906	51	2017	23	1969	57	38	18	0	20	69	22	24	4
14	79	1926	41	1906	54	1915	22	1895	57	38	18	0	28	65	18	22	3
15	80	1947	41	1895	50	1915	24	1978	57	38	17	0	25	65	18	32	4
16	75	1947	43	1920	52	1905	23	1955	57	38	17	0	25	69	18	31	4
17	77	1947	45	1897	52	1921	24	1982	57	39	17	0	25	62	10	28	4
18	76	2019	43	2002	52	1932	24	1971	57	39	17	0	24	68	9	32	3
19	77	2019	40	1906	53	1997	22	1965	57	39	17	0	18	68	15	32	3
20	75	2019	43	1913	48	1988	22	1955	57	39	17	0	24	70	12	30	3
21	76	1915	36	2012	50	1928	26	1982	58	39	17	0	21	71	18	32	4
22	75	1915	42	1904	51	1998	24	1898	58	39	17	0	17	69	15	32	4
23	71	1940	42	2018	47	1978	27	1973	58	39	17	0	20	66	14	28	3
24	70	2014	43	1913	49	2007	28	1969	58	39	17	0	17	68	16	28	2
25	72	1997	41	1955	48	2015	25	1913	58	39	16	0	17	68	13	25	2
26	74	1994	42	1914	49	2022	25	1996	58	39	16	0	21	64	13	26	5
27	77	1994	43	1914	52	1934	25	1975	58	39	16	0	18	65	14	31	5
28	78	1930	45	1967	52	1934	23	1975	58	39	16	0	19	55	12	34	7
29	80	1923	42	1897	50	1934	26	1936	58	39	16	0	20	58	12	38	6
30	77	1911	43	1914	52	2011	24	1968	59	40	16	0	18	55	10	38	8
31	75	2013	45	1914	50	1985	26	1936	59	40	16	0	17	54	8	35	5
Extreme MAXIMUM		Extreme MINIMUM		Month Normals				March									
Warmest	<i>Coolest</i>	<i>Warmest</i>	Coldest	TX	TN	HD	CD										
80 1947 1923	<i>31</i> <i>1896</i>	<i>57</i> <i>2007</i>	12 1971	56.8	38.3	541	0										

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: APRIL Daily Temperature (°F) Records

	MAXIMUM (TX)		MINIMUM (TN)		1991-2020 Normals ¹				%days TN		% days TX							
	Warmest	Coolest	Warmest	Coolest	TX	TN	HD	CD	≤32	≤39	≤49	≥60	≥70					
1	78	1987	45	1920	53	1915	27	1982	59	40	16	0	15	52	7	39	9	
2	78	1944	47	1982	55	1915	26	1935	59	40	16	0	17	59	5	34	8	
3	76	2000	43	1936	51	1914	24	1935	59	40	16	0	22	58	6	38	7	
4	79	1966	47	1935	53	2013	27	2009	59	40	16	0	15	60	9	43	8	
5	77	1952	47	2003	52	2013	26	1975	59	40	15	0	14	53	5	40	10	
6	78	1906	47	2001	54	2018	26	1975	60	40	15	0	12	55	2	47	15	
7	87	2016	48	1945	52	1906	27	1921	60	40	15	0	14	61	2	55	11	
8	81	2016	47	1935	51	1986	27	1952	60	40	15	0	10	52	3	44	10	
9	81	1926	47	1974	51	1914	27	1982	60	40	15	0	9	49	5	42	15	
10	80	2004	46	2022	54	1926	28	1972	60	40	15	0	11	53	7	49	14	
11	87	1904	42	1911	58	1913	29	2021	60	40	15	0	13	52	3	50	13	
12	84	1951	45	1911	52	1904	26	1978	61	40	15	0	12	49	4	53	18	
13	87	1926	44	1922	54	2002	23	1968	61	41	14	0	9	50	7	48	14	
14	87	1926	43	1922	51	1904	29	1983	61	41	14	0	9	60	5	50	19	
15	82	1947	46	2006	55	1925	26	1967	61	41	14	0	8	51	3	55	14	
16	82	2021	44	1967	55	1992	28	1982	61	41	14	0	8	45	2	52	12	
17	85	2021	48	1963	56	1926	27	1977	62	41	14	0	13	48	2	52	15	
18	88	2016	46	1961	55	1908	27	1931	62	41	14	0	10	41	3	54	18	
19	85	2016	45	2008	55	1965	26	1967	62	41	13	0	12	48	3	58	17	
20	85	1934	42	1963	52	1918	26	1982	63	41	13	0	7	39	4	64	22	
21	81	2009	46	2008	54	1918	26	1951	63	42	13	0	6	36	2	56	20	
22	80	2012	46	1961	53	1934	27	1972	63	42	13	0	7	43	1	64	17	
23	84	1910	49	1932	52	2012	30	1954	63	42	13	0	8	46	1	59	17	
24	84	2018	45	1908	55	1903	28	1986	64	42	12	<1	8	41	2	62	22	
25	84	1926	48	1955	51	2012	28	1982	64	42	12	<1	6	52	2	64	24	
26	87	1947	49	1950	51	1909	29	1984	64	42	12	<1	7	42	2	68	25	
27	91	1926	50	1999	57	1992	28	1984	64	43	12	<1	2	31	0	62	26	
28	93	1926	48	1948	54	1992	28	1973	65	43	11	<1	5	38	2	61	20	
29	88	1957	48	1899	54	1992	28	1982	65	43	11	<1	8	42	2	68	20	
30	86	2014	48	1899	54	1957	27	1972	65	43	11	<1	8	38	1	68	17	
Extreme MAXIMUM		Extreme MINIMUM		Month Normals														
Warmest	Coolest	Warmest	Coldest	TX	TX	HD	CD											
93	1926	42	1963	58	1913	23	1968	61.6	41.0	412	1	<h1 style="font-size: 2em; margin: 0;">April</h1>						
			1911		1901													

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: MAY Daily Temperature (°F) Records

	MAXIMUM (TX)				MINIMUM (TN)				1991-2020 Normals ¹				%days TN		% days TX								
	Warmest		Coolest		Warmest		Coolest		TX	TN	HD	CD	≤32	≤39	≤59	≥80	≥90						
1	88	2014	52	1964	52	1998	25	1954	66	43	11	<1	2	36	32	5	0						
2	87	1946	51	1912	57	1900	30	1952	66	44	10	<1	2	29	31	3	0						
3	86	1992	51	1960	54	1918	32	1964	66	44	10	<1	2	31	31	5	0						
4	86	1990	49	1950	55	2017	29	1982	66	44	10	<1	5	30	30	8	0						
5	87	2013	48	1965	54	1989	32	1985	67	44	10	<1	1	27	31	8	0						
6	90	1987	48	1962	53	1989	30	1984	67	44	10	<1	2	27	17	11	1						
7	94	1987	51	1999	55	2016	30	1984	67	45	9	<1	2	24	25	9	1						
8	94	1987	51	1933	58	1912	31	2002	68	45	9	<1	4	31	25	7	1						
9	86	2019	52	1998	56	1923	31	1894	68	45	9	<1	2	29	21	7	0						
10	87	2019	48	1916	55	1899	32	2012	68	45	9	<1	2	27	26	12	0						
11	91	1997	53	1905	57	1901	28	1985	68	46	9	<1	2	24	20	15	1						
12	88	1949	50	1951	58	1949	30	1985	69	46	8	<1	2	21	18	16	0						
13	94	1939	48	1899	56	1914	32	1974	69	46	8	<1	2	24	17	15	3						
14	93	2023	51	1955	59	1912	31	1920	69	46	8	<1	2	19	16	15	2						
15	95	2006	53	1966	57	1997	33	1932	69	46	8	<1	0	13	16	13	1						
16	99	2008	50	1998	55	1925	32	1980	69	47	8	<1	1	12	15	14	2						
17	95	1956	50	1991	62	2008	31	1966	70	47	7	<1	1	11	21	16	2						
18	87	1956	53	1911	58	1926	32	1976	70	47	7	<1	1	14	15	13	0						
19	88	1963	53	1948	61	2008	32	1982	70	47	7	<1	1	15	15	10	0						
20	92	1963	54	1960	57	1942	33	1975	70	47	7	<1	0	14	16	11	2						
21	90	1958	52	2010	56	2015	32	1971	70	47	7	<1	1	17	12	14	1						
22	93	2001	50	1905	57	1914	31	1960	70	48	7	<1	2	11	11	15	2						
23	93	1947	52	1953	57	2014	32	1935	70	48	6	1	1	12	11	16	1						
24	93	1928	51	1911	56	2018	34	1955	71	48	6	1	0	12	6	15	2						
25	90	1947	54	1911	57	1986	31	1920	71	48	6	1	2	12	10	15	1						
26	91	2005	55	1980	58	1986	34	1973	71	48	6	1	0	12	6	16	1						
27	90	2005	53	2006	60	1997	30	1966	71	48	6	1	1	13	6	10	1						
28	100	1983	56	1916	60	1997	32	1966	71	48	6	1	1	10	6	11	2						
29	90	1995	54	1976	62	1997	34	1979	71	49	6	1	0	8	8	17	1						
30	91	1986	53	1976	61	1997	31	1920	71	49	6	1	1	11	5	16	2						
31	94	1922	51	1971	61	1986	34	1953	71	49	6	1	0	9	3	21	5						
Extreme MAXIMUM				Extreme MINIMUM				Month Normals				May											
Warmest		<i>Coolest</i>		<i>Warmest</i>		Coldest		TX	TN	HD	CD												
100	1983	48	1965+	62	2008+	25	1954	69.0	46.3	239	11												

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: JUNE Daily Temperature (°F) Records

	MAXIMUM (TX)				MINIMUM (TN)				1991-2020 Normals ¹				%days TN		% days TX		
	Warmest		Coolest		Warmest		Coolest		TX	TN	HD	CD	≤32	≤39	≤59	≥80	≥90
1	97	2021	55	1908	61	2021	34	1976	72	49	6	1	0	8	4	24	4
2	95	1970	57	1980	62	1913	34	1976	72	49	5	1	0	6	4	19	3
3	94	1950	53	1908	62	2009	32	1976	72	49	5	1	1	5	5	20	3
4	99	2016	57	1963	64	1928	33	1991	72	49	5	1	0	6	3	27	5
5	96	2003	56	1953	65	2016	34	1991	72	49	5	1	0	5	5	31	5
6	96	2003	55	1954	69	1926	32	1899	72	50	5	1	1	2	6	27	9
7	98	1903	55	1999	60	1948	35	1979	72	50	5	1	0	2	4	18	6
8	98	1955	55	1954	66	1948	36	1975	73	50	5	1	0	5	5	19	3
9	96	1955	56	1933	64	1908	38	1938	73	50	5	1	0	2	2	22	3
10	93	1940	54	2008	67	1911	36	1973	73	50	4	1	0	5	5	21	3
11	98	1940	55	1952	67	1911	38	1995	73	50	4	1	0	2	5	21	5
12	97	2019	54	1943	60	2019	36	1965	73	50	4	1	0	4	3	22	2
13	93	1986	55	1980	61	2021	35	1976	74	50	4	1	0	3	4	25	2
14	92	1961	55	1952	59	1936	36	1976	74	51	4	1	0	2	3	17	2
15	100	1966	58	1912	59	1931	39	1893	74	51	4	1	0	1	2	20	2
16	97	1961	56	1944	61	1961	36	1984	74	51	4	1	0	3	2	24	6
17	100	1969	59	1929	63	1961	35	1991	75	51	3	1	0	4	1	25	8
18	102	1982	59	1939	59	1898	34	1930	75	51	3	1	0	3	2	27	5
19	97	1982	57	1908	60	1959	36	1929	75	51	3	1	0	1	2	29	5
20	97	1970	54	1991	60	2021	38	1935	76	51	3	1	0	1	3	32	8
21	99	1992	60	1991	63	2021	38	1899	76	52	3	2	0	2	0	31	6
22	105	1992	61	1907	60	2018	36	1984	76	52	3	2	0	2	0	28	3
23	99	1992	62	1975	59	2018	37	1935	76	52	3	2	0	2	0	30	7
24	101	2017	56	1975	69	1926	36	1935	77	52	3	2	0	4	1	35	10
25	100	2006	58	1942	68	1925	35	1976	77	52	2	2	0	2	2	34	11
26	105	2021	56	1975	67	2021	39	1976	78	52	2	2	0	2	1	33	11
27	113	2021	58	1912	71	2015	35	1965	78	53	2	2	0	2	1	36	8
28	117	2021	59	1928	68	2021	41	1971	78	53	2	2	0	0	2	35	10
29	99	1951	60	1928	61	2021	38	1893	79	53	2	3	0	1	0	37	10
30	102	1942	62	1955	63	1942	39	1961	79	53	2	3	0	2	0	40	12
Extreme MAXIMUM		Extreme MINIMUM		Month Normals													
Warmest		Coolest		Warmest		Coolest		TX	TN	HD	CD						
117	2021	53	1908	71	2015	32	1976	74.6	50.8	108	39						
						1899											

June

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: JULY Daily Temperature (°F) Records

	MAXIMUM (TX)				MINIMUM (TN)				1991-2020 Normals ¹				%days TN		% days TX		
	Warmest		Coolest		Warmest		Coolest		TX	TN	HD	CD	≤32	≤39	≤59	≥80	≥90
1	101	1967	61	1912	65	2013	39	1935	79	53	2	3	0	1	0	43	12
2	104	1942	61	1895	65	2021	37	1962	80	53	1	3	0	2	0	44	11
3	99	2015	60	1980	67	1906	35	1899	80	54	1	3	0	2	0	40	12
4	97	2015	61	1928	69	1926	37	1935	80	54	1	3	0	2	0	43	10
5	99	1960	59	1909	62	2023	35	1932	81	54	1	3	0	1	1	40	9
6	101	1960	57	1909	62	2022	38	1988	81	54	1	4	0	2	1	47	9
7	100	1945	62	1963	65	1900	38	1930	82	54	1	4	0	2	0	59	11
8	102	1956	66	2005	62	2014	39	1932	82	54	1	4	0	1	0	57	14
9	100	1926	63	1974	64	1905	39	1960	82	55	1	4	0	1	0	62	16
10	107	1926	63	1909	72	1926	40	1972	83	55	1	4	0	0	0	56	12
11	103	1961	67	1903	64	2007	40	1973	83	55	1	4	0	0	0	59	16
12	104	1961	66	2009	71	1926	40	1932	83	55	<1	4	0	0	0	61	17
13	103	1941	65	1920	68	1906	39	1970	83	55	<1	5	0	1	0	59	18
14	107	1935	67	1915	68	1935	43	1969	84	55	<1	5	0	0	0	60	20
15	108	1941	61	1904	67	1941	41	1982	84	55	<1	5	0	0	0	63	21
16	103	1979	57	1904	70	1941	41	1931	84	55	<1	5	0	0	1	60	22
17	102	1979	59	1996	70	1941	42	1968	84	56	<1	5	0	0	1	63	19
18	104	1956	60	1987	67	1912	38	1962	85	56	<1	5	0	1	0	64	20
19	106	1956	67	1918	66	1971	39	1930	85	56	<1	5	0	0	0	71	29
20	105	1946	62	1965	67	1913	40	1930	85	56	<1	6	0	0	0	68	24
21	105	1938	68	1934	65	2003	41	1970	85	56	<1	6	0	0	0	73	26
22	102	1978	67	1987	74	2006	39	1920	85	56	<1	6	0	1	0	69	25
23	108	1927	68	2014	67	2006	38	1920	85	56	<1	6	0	1	0	72	21
24	102	1928	62	1918	66	2006	42	1973	85	56	<1	6	0	0	0	72	26
25	102	1988	65	1918	64	2022	36	1920	85	56	<1	6	0	1	0	66	21
26	103	2022	65	1955	65	1899	38	1920	86	56	<1	6	0	2	0	67	24
27	104	1958	66	1947	70	2009	40	1931	86	56	<1	6	0	0	0	71	28
28	107	2009	65	1993	70	2009	42	1959	86	56	<1	6	0	0	0	69	26
29	106	2009	63	2001	68	2009	42	1956	86	56	<1	6	0	0	0	70	29
30	105	2015	62	1985	67	2022	36	1920	86	56	<1	6	0	1	0	71	27
31	104	1965	65	1937	69	2021	41	1920	86	56	<1	6	0	0	0	71	22
Extreme MAXIMUM		Extreme MINIMUM		Month Normals													
Warmest		Coolest		Warmest		Coldest		TX	TN	HD	CD						
108	1941	57	1909	74	2006	35	1932	83.5	55.1	15	148						
1927	1904					1899											

July

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: AUGUST Daily Temperature (°F) Records

	MAXIMUM (TX)		MINIMUM (TN)		1991-2020 Normals ¹				%days TN		% days TX						
	Warmest	Coolest	Warmest	Coolest	TX	TN	HD	CD	≤32	≤39	≤59	≥80	≥90				
1	101	2017	64	1989	64	2014	37	1920	85	56	<1	6	0	1	0	66	19
2	107	2017	63	1956	67	2017	40	1920	85	56	<1	6	0	0	0	64	21
3	103	2017	65	1953	64	2017	42	1931	85	56	<1	6	0	0	0	64	20
4	103	2012	66	1970	65	1911	39	1931	85	56	<1	6	0	1	0	70	20
5	102	1945	70	1944	63	2021	39	1935	85	56	<1	6	0	1	0	70	20
6	102	1972	66	1962	66	2023	42	1980	85	56	<1	6	0	0	0	70	22
7	104	1981	66	1999	64	2023	40	1893	85	56	<1	6	0	0	0	64	26
8	106	1981	66	1918	64	1942	40	1970	85	56	<1	6	0	0	0	69	24
9	108	1981	65	1982	68	1925	42	1975	85	56	<1	5	0	0	0	72	21
10	107	1981	68	1995	63	2023	43	1934	85	55	<1	5	0	0	0	72	22
11	105	1992	66	1941	67	2021	40	1899	84	55	<1	5	0	0	0	69	23
12	105	1977	68	2007	69	2021	42	1931	84	55	<1	5	0	0	0	63	26
13	104	2002	61	1976	69	2021	40	1972	84	55	<1	5	0	0	0	57	23
14	105	2023	67	1905	65	2023	41	1970	84	55	<1	5	0	0	0	66	25
15	102	2023	64	1918	69	2023	40	1935	84	55	<1	5	0	0	0	64	20
16	104	2023	60	1912	67	1927	35	1935	84	55	1	5	0	1	0	65	14
17	105	1977	65	1912	67	2023	41	1935	84	55	1	5	0	0	0	62	18
18	102	2016	66	1924	64	2022	41	1973	83	55	1	5	0	0	0	63	16
19	104	2016	63	1974	63	2014	40	1973	83	55	1	5	0	0	0	64	14
20	101	2016	65	1899	66	1897	41	1973	83	55	1	4	0	0	0	58	15
21	99	1961	66	1978	62	1923	39	1980	83	54	1	4	0	1	0	56	15
22	100	1942	64	1947	62	1915	39	1973	83	54	1	4	0	1	0	56	15
23	102	1988	64	1960	63	2011	40	1921	83	54	1	4	0	0	0	57	14
24	99	1958	59	1968	63	2011	39	1929	83	54	1	4	0	1	1	55	15
25	97	2016	63	1977	66	2023	41	1980	82	54	1	4	0	0	0	57	17
26	99	2016	64	1925	67	1924	40	1980	82	54	1	4	0	0	0	54	13
27	101	1935	64	1951	60	2018	39	1962	82	54	1	4	0	1	0	51	18
28	100	1935	61	1912	64	2015	36	1980	82	54	1	4	0	1	0	58	14
29	101	1931	64	1904	66	1913	38	1969	82	54	1	4	0	2	0	50	12
30	99	1931	63	1975	62	1918	30	1920	82	53	1	3	1	1	0	46	9
31	100	1987	63	2008	62	1961	37	1920	81	53	1	3	0	2	0	48	10
Extreme MAXIMUM		Extreme MINIMUM		Month Normals													
Warmest	<i>Coolest</i>	<i>Warmest</i>	Coldest	TX	TN	HD	CD										
108 1981	59 1968	69 2023+	30 1920	83.6	54.8	16	146										

August

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: SEPTEMBER Daily Temperature (°F) Records

	MAXIMUM (TX)		MINIMUM (TN)		1991-2020 Normals ¹				%days TN		% days TX						
	Warmest	Coolest	Warmest	Coolest	TX	TN	HD	CD	≤32	≤39	≤59	≥80	≥90				
1	102	1988	60	1901	61	2023	37	1973	81	53	1	3	0	1	0	51	12
2	104	1988	56	1912	64	2013	37	1956	81	53	1	3	0	2	1	46	13
3	98	2017	60	1912	61	2020	36	1932	81	53	1	3	0	1	0	51	16
4	100	1955	59	1897	61	2017	40	1956	81	53	1	3	0	0	1	52	14
5	103	1944	60	1911	65	2017	37	1969	80	53	1	3	0	1	0	39	12
6	99	1958	62	1912	64	1906	40	1992	80	53	2	3	0	0	0	44	8
7	99	1981	60	1914	64	2017	38	1976	80	52	2	3	0	3	0	42	9
8	98	1944	61	1952	66	2020	38	1931	80	52	2	3	0	2	0	41	9
9	98	1948	60	1920	62	2020	35	1928	80	52	2	3	0	2	0	47	11
10	99	1944	64	1962	62	2013	36	1928	79	52	2	2	0	4	0	42	14
11	96	2013	59	1930	60	2022	36	1936	79	52	2	2	0	3	2	38	9
12	96	1924	56	1911	59	2022	32	1921	79	52	2	2	1	4	1	39	9
13	96	1951	60	1906	61	1918	28	1970	79	51	2	2	2	3	0	37	7
14	98	1937	60	1966	62	1918	35	1970	78	51	2	2	0	5	0	30	8
15	98	1967	59	1955	63	2001	34	1969	78	51	2	2	0	4	2	33	3
16	93	1994	55	1910	61	2010	33	1965	78	51	3	2	0	5	2	26	3
17	95	1991	58	1910	61	2014	28	1965	78	51	3	2	1	4	1	26	4
18	93	1991	56	2004	62	2011	32	1965	77	50	3	2	1	8	1	26	2
19	96	1974	60	1895	61	1984	34	1928	77	50	3	1	0	8	0	22	2
20	98	1974	59	2017	60	1939	36	1983	77	50	3	1	0	7	1	30	3
21	97	1974	58	1945	60	1962	33	1932	76	50	3	1	0	10	1	28	7
22	95	1994	59	1948	57	2021	32	1902	76	49	4	1	1	13	1	25	8
23	97	1943	53	1934	60	2001	32	2000	75	49	4	1	1	11	3	28	5
24	98	1974	54	1933	60	1960	34	1961	75	49	4	1	0	13	4	26	5
25	94	1991	57	1920	59	1990	26	1934	75	49	4	1	1	12	3	19	1
26	96	1967	52	1948	59	2003	29	1934	74	48	5	1	2	12	3	21	3
27	98	2003	59	1940	59	2010	26	1972	74	48	5	1	2	12	2	23	3
28	90	1989	56	1971	60	2010	32	1972	73	48	5	1	1	12	2	22	2
29	91	1935	53	1971	57	2010	33	1983	73	48	5	1	0	13	7	19	1
30	90	1975	54	2007	62	2000	33	1983	72	47	6	<1	0	13	5	13	1
Extreme MAXIMUM		Extreme MINIMUM		Month Normals													
Warmest	<i>Coolest</i>	<i>Warmest</i>	Coldest	TX	TN	HD	CD	September									
104 1988	52 1948	66 2020	26 1972 1934	77.5	50.6	82	54										

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: OCTOBER Daily Temperature (°F) Records

	MAXIMUM (TX)		MINIMUM (TN)		1991-2020 Normals ¹				%days TN		% days TX						
	Warmest	Coolest	Warmest	Coolest	TX	TN	HD	CD	≤32	≤39	≤49	≥60	≥70				
1	92	1988	53	1953	60	1915	31	1950	72	47	6	<1	1	18	0	97	54
2	93	1970	49	1950	57	1951	33	1954	71	47	6	<1	0	15	1	88	43
3	92	1932	52	1950	57	2003	32	1973	71	47	7	<1	1	19	0	92	47
4	89	1932	56	1957	59	1920	32	1934	71	46	7	<1	2	18	0	90	38
5	89	1980	52	1938	57	1920	28	1974	70	46	7	<1	3	25	0	89	43
6	88	1987	53	1957	58	2004	31	1974	70	46	7	<1	2	18	0	95	46
7	87	1976	54	1962	58	1910	29	1970	69	46	8	<1	2	15	0	89	40
8	84	2022	55	1981	57	1953	30	1985	69	45	8	<1	2	19	0	88	41
9	91	1936	54	2008	57	2010	25	1985	68	45	9	<1	2	22	0	84	38
10	90	1934	53	1972	58	1978	29	1919	68	45	9	<1	2	23	0	86	31
11	86	1991	53	1899	57	1918	30	1919	67	45	9	<1	8	27	0	84	30
12	80	1901	52	1954	58	1918	28	1928	67	45	10	<1	5	26	0	82	32
13	86	1901	54	2017	56	1898	25	1899	66	44	10	0	9	27	0	89	24
14	85	1901	51	1920	57	1988	23	1899	66	44	10	0	7	32	0	84	29
15	92	2022	50	1893	59	2012	29	1919	65	44	11	0	9	38	0	81	26
16	83	2018	50	1950	57	1988	23	1902	65	44	11	0	9	38	0	79	27
17	84	1936	51	1925	57	2009	28	1902	64	44	11	0	10	40	0	69	22
18	84	1940	50	1984	57	1940	28	1966	64	43	12	0	5	36	0	76	20
19	81	1940	50	1984	59	1940	27	1982	63	43	12	0	7	36	0	72	19
20	77	2003	47	1979	59	2003	25	1919	63	43	12	0	5	34	2	69	18
21	80	2003	50	1961	59	2003	28	1933	62	43	13	0	9	37	0	62	12
22	83	1929	50	1897	60	1959	28	1981	62	43	13	0	6	37	0	62	15
23	82	1929	48	1943	56	1959	28	1935	62	43	13	0	8	35	1	58	11
24	74	1929	45	1949	55	2005	28	1935	61	42	13	0	6	30	2	59	7
25	72	1904	47	1949	57	1934	29	1978	61	42	14	0	5	38	2	53	6
26	75	2008	44	1919	58	1906	26	1978	60	42	14	0	8	40	3	47	7
27	74	2017	46	1975	54	2018	19	1919	60	42	14	0	8	47	5	52	5
28	74	1987	45	1948	59	2012	20	1919	60	42	14	0	13	49	5	44	6
29	76	1900	43	1998	59	2012	23	1971	59	42	15	0	15	42	6	43	3
30	81	1900	43	1972	57	2012	22	2002	59	41	15	0	13	44	5	37	4
31	75	1954	42	1935	55	2015	20	2002	58	41	15	0	16	47	6	35	2
Extreme MAXIMUM		Extreme MINIMUM		Month Normals				October									
Warmest	<i>Coolest</i>	<i>Warmest</i>	Coldest	TX	TN	HD	CD										
93 1970	42 1935	60 <i>1959</i> 1915	19 1919	64.8	43.9	332	2										

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: NOVEMBER Daily Temperature (°F) Records

	MAXIMUM (TX)		MINIMUM (TN)		1991-2020 Normals ¹				%days TN		% days TX						
	Warmest	Coolest	Warmest	Coolest	TX	TN	HD	CD	≤32	≤39	≤39	≥50	≥60				
1	72	1969	38	1935	56	2018	14	1935	58	41	15	0	19	46	1	95	33
2	72	1970	38	1935	56	1950	13	1936	58	41	16	0	18	43	2	95	36
3	74	2010	37	1935	55	2006	12	1935	57	41	16	0	17	47	1	94	38
4	73	2012	41	1935	58	2020	16	1935	57	41	16	0	19	52	0	91	37
5	69	1960	40	1973	57	1958	20	1935	57	41	16	0	16	49	0	91	25
6	69	2006	39	1925	63	2006	24	1971	56	41	17	0	17	50	1	88	24
7	68	1941	43	2022	54	2008	21	1936	56	40	17	0	15	46	0	90	23
8	68	2016	37	1919	53	1968	20	1936	56	40	17	0	19	50	0	79	19
9	69	2016	39	1919	56	1990	24	2020	55	40	17	0	18	50	1	82	15
10	66	1990	40	1911	53	1989	23	1936	55	40	18	0	19	50	0	78	15
11	68	1930	39	1911	54	2021	21	1936	55	40	18	0	18	45	1	77	16
12	67	1976	35	1955	60	1999	18	1978	55	40	18	0	19	47	2	78	16
13	70	1999	32	1955	58	1906	15	1978	54	40	18	0	22	50	2	75	4
14	68	2001	29	1955	58	2001	12	1955	54	39	18	0	25	47	2	78	12
15	64	2001	26	1955	54	1995	9	1955	54	39	19	0	26	54	2	76	12
16	66	1976	25	1955	53	1976	19	1955	53	39	19	0	22	54	2	68	9
17	64	1932	40	1955	55	1908	18	1961	53	39	19	0	21	51	0	73	7
18	65	1897	38	1994	55	1920	20	2000	53	39	19	0	24	55	3	58	4
19	63	2002	37	1977	52	1909	19	1977	53	39	20	0	25	60	3	65	4
20	65	1910	32	1964	54	1958	15	1977	52	38	20	0	27	60	4	58	8
21	63	2017	34	1994	53	1904	20	1900	52	38	20	0	33	66	2	62	2
22	65	1933	31	1970	56	2017	20	1985	52	38	20	0	32	65	4	59	5
23	66	1959	27	1985	54	1909	16	1985	51	38	20	0	28	55	5	64	8
24	67	1949	28	1985	56	1949	11	1985	51	38	21	0	23	66	4	63	7
25	66	1947	36	1896	55	2014	12	1985	51	37	21	0	28	63	5	57	9
26	63	1950	35	1896	53	1949	18	1993	51	37	21	0	29	61	4	58	5
27	67	1917	28	1896	53	2014	16	1896	50	37	21	0	33	68	4	57	5
28	65	1917	29	1896	55	1995	14	1896	50	37	22	0	36	65	5	50	3
29	62	2021	26	1896	53	1995	12	1896	50	37	22	0	33	67	5	48	3
30	60	1898	26	1985	52	1995	17	1985	50	37	22	0	22	57	6	47	1
Extreme MAXIMUM		Extreme MINIMUM		Month Normals				<h1>November</h1>									
Warmest	Coolest	Warmest	Coldest	TX	TN	HD	CD										
74	2010	25	1955	63	2006	9	1955										

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM: DECEMBER Daily Temperature (°F) Records

	MAXIMUM (TX)				MINIMUM (TN)				1991-2020 Normals ¹				%days TN		% days TX			
	Warmest		Coolest		Warmest		Coolest		TX	TN	HD	CD	≤32	≤39	≤39	≥50	≥60	
1	65	2021	24	1985	52	1975	19	1969	50	36	22	0	22	58	5	52	5	
2	64	1958	35	1931	54	1977	18	1969	49	36	22	0	23	68	2	49	1	
3	63	1896	35	1963	52	2007	21	1969	49	36	22	0	33	69	3	43	4	
4	63	2023	33	1972	54	2023	18	1972	49	36	23	0	35	76	10	42	7	
5	63	2023	27	1972	56	2023	17	2013	49	36	23	0	35	70	9	44	1	
6	60	1988	24	1972	52	1970	18	1956	48	36	23	0	34	67	12	42	2	
7	61	2015	22	1972	52	1975	-4	1972	48	36	23	0	33	73	12	42	2	
8	68	1929	20	1972	58	2015	-12	1972	48	35	23	0	34	79	7	40	2	
9	72	1929	20	1972	54	2014	-5	1972	48	35	23	0	30	69	12	42	5	
10	70	1929	23	1972	54	2004	-2	1972	48	35	24	0	30	70	11	42	4	
11	71	1929	20	1919	52	1924	-3	1972	48	35	24	0	36	68	13	40	5	
12	65	1895	20	1919	55	2010	5	1932	47	35	24	0	34	69	13	35	7	
13	61	1969	19	1919	53	2010	-2	1919	47	35	24	0	37	69	14	35	2	
14	60	2002	19	1919	50	1918	-6	1919	47	35	24	0	35	73	12	35	1	
15	60	1976	24	1919	50	1903	10	1919	47	35	24	0	39	79	15	26	1	
16	60	1974	24	1919	50	1999	10	1964	47	35	24	0	40	76	15	32	1	
17	61	1979	20	1964	50	1917	9	1964	47	35	24	0	40	79	18	28	1	
18	59	1959	19	1924	54	1917	6	1924	47	35	24	0	44	72	23	31	0	
19	62	1994	23	1924	51	1972	11	1924	47	35	24	0	40	69	22	34	2	
20	63	1994	18	1990	54	1900	9	1990	47	35	24	0	34	65	14	38	2	
21	62	1980	18	1990	51	1972	8	1990	47	35	24	0	34	74	14	35	4	
22	61	1964	21	1990	55	1964	7	1990	47	35	24	0	38	66	17	31	2	
23	64	1950	24	1990	53	1925	11	1990	47	35	24	0	36	72	15	35	2	
24	60	2005	26	1990	51	1922	10	1990	47	35	24	0	37	74	18/	35	1	
25	62	1980	27	1924	58	1980	5	1924	47	35	24	0	35	78	15	33	1	
26	60	2022	23	1924	55	1980	5	1924	47	35	24	0	40	77	15	29	2	
27	61	1980	31	1956	50	1917	17	1985	47	35	24	0	32	74	10	34	1	
28	62	1917	29	1978	54	1917	15	1985	47	35	24	0	40	75	15	25	1	
29	60	1917	24	1990	51	1998	14	1990	47	35	24	0	39	77	17	26	1	
30	66	1980	16	1968	52	1995	9	1968	47	35	24	0	40	76	15	28	2	
31	65	1996	21	1978	51	1963	8	1968	47	35	24	0	42	79	17	27	1	
Extreme MAXIMUM		Extreme MINIMUM				Month Normals				December								
Warmest		<i>Coolest</i>		<i>Warmest</i>		Coldest		TX	TN								HD	CD
72	1929	16	1968	58	2015	-12	1972	47.4	35.1								736	0

¹ Degree Days: HD is heating, CD is cooling. HD & CD: daily and monthly normals differ, as the monthly total is based on actual occurrences, rather than a normalized curve, as are the daily values. **Period of Record: 1892-2023.**

SALEM Cumulative Temperature Frequencies

(based on 1892-2023 data)

Maximum Temperature

How to use: Max temp. in May is 75 degrees or more than 22% of the time, or <75 deg 78% of the time

Max	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
≥ 110	-	-	-	-	-	~0	-	-	-	-	-	-	~0
≥ 105	-	-	-	-	-	~0	~0	~0	-	-	-	-	~0
≥ 100	-	-	-	-	-	~0	2	1	~0	-	-	-	< 1
≥ 95	-	-	-	-	-	1	7	6	1	-	-	-	1
≥ 90	-	-	-	-	~0	5	18	17	6	~0	-	-	4
≥ 85	-	-	-	~0	4	13	37	37	17	~0	-	-	9
≥ 80	-	-	-	2	11	26	60	60	32	3	-	-	16
≥ 75	-	-	~0	7	22	43	80	82	52	10	~0	-	25
≥ 70	-	~0	3	15	38	66	94	94	73	23	~0	-	34
≥ 65	~0	1	10	30	59	86	98	99	90	44	2	0	43
≥ 60	2	8	26	53	83	97	99	99	98	71	13	2	54
≥ 55	11	26	53	81	97	99	100	100	99	91	39	11	67
≥ 50	35	59	82	96	99	100	100	100	100	98	71	35	81
≥ 45	62	84	96	99	100	100	100	100	100	99	90	66	91
≥ 40	82	94	99	100	100	100	100	100	100	~100	97	86	96
≥ 35	93	98	99	100	100	100	100	100	100	100	99	95	98
≥ 30	98	99	100	100	100	100	100	100	100	100	99	98	99
≥ 25	99	99	100	100	100	100	100	100	100	100	99	99	99
≥ 20	99	99	100	100	100	100	100	100	100	100	100	99	~100
Climatic normal monthly maximum temperatures (1991-2020 normals)													
	48.4	52.1	56.8	61.6	69.0	74.6	83.5	83.6	77.5	64.8	53.6	47.4	64.4

Minimum Temperatures

How to use: Min temp. in October is 45 degrees or more 36% of the time, or <45 deg 64% of the time

Min	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
≥ 70	-	-	-	-	-	-	~0	-	-	-	-	-	~0
≥ 65	-	-	-	-	-	~0	~0	~0	-	-	-	-	~0
≥ 60	-	-	-	-	~0	1	6	6	1		-	-	1
≥ 55	-	-	-	~0	2	13	33	34	13	2	~0	~0	8
≥ 50	1	1	1	3	18	50	72	72	43	16	5	1	24
≥ 45	7	8	10	20	50	82	93	93	75	40	20	9	42
≥ 40	24	25	33	51	80	96	99	99	93	68	45	27	62
≥ 35	48	51	64	82	96	99	100	100	99	88	68	53	79
≥ 30	72	79	89	97	99	100	100	100	100	97	86	78	91
≥ 25	86	93	98	99	100	100	100	100	100	99	95	91	97
≥ 20	94	98	99	100	100	100	100	100	100	99	98	96	99
≥ 15	97	99	99	100	100	100	100	100	100	100	99	98	99
≥ 10	99	99	100	100	100	100	100	100	100	100	99	99	99
≥ 5	~100	~100	100	100	100	100	100	100	100	100	100	99	99
Climatic normal monthly minimum temperatures (1991-2020 normals)													
	35.8	35.9	38.3	41.0	46.3	50.8	55.1	54.8	50.6	43.9	39.0	35.1	43.9

Days per Month with...

format: days in the month / years of those occurrence(s)

	MAXIMUM Temperature of...								
	≥ 90° F			≥ 80° F			≤ 32° F		
	<i>N¹</i>	<i>Most</i>	<i>Least</i>	<i>N¹</i>	<i>Most</i>	<i>Least</i>	<i>N¹</i>	<i>Most</i>	<i>Least</i>
<i>Jan</i>	0	--	--	0	--	--	1	14 / 1930	0 / 2023 ⁺
<i>Feb</i>	0	--	--	0	--	--	<1	5 / 1899	0 / 2023 ⁺
<i>Mar</i>	0	--	--	0	1 / 1947 ⁺	0 / 2023 ⁺	0	1 / 1896	0 / 2023 ⁺
<i>Apr</i>	0	2 / 1926	0 / 2022 ⁺	1	8 / 1926	0 / 2022 ⁺	0	--	--
<i>May</i>	0.4	3 / 2023 ⁺	0 / 2022 ⁺	4	12 / 2023 ⁺	0 / 2022 ⁺	0	--	--
<i>Jun</i>	1.5	10 / 2021 ⁺	0 / 2014 ⁺	8	22 / 2015	0 / 1980 ⁺	0	--	--
<i>Jul</i>	6.0	17 / 2018	0 / 1993 ⁺	20	30 / 2021 ⁺	5 / 1993 ⁺	0	--	--
<i>Aug</i>	5.6	19 / 1967	0 / 1979 ⁺	20	30 / 1900 ⁺	7 / 1954 ⁺	0	--	--
<i>Sep</i>	1.9	11 / 1974	0 / 2018 ⁺	12	21 / 1974 ⁺	0 / 1914	0	--	--
<i>Oct</i>	0	1 / 2022 ⁺	0 / 2023 ⁺	1	9 / 2022	0 / 2021 ⁺	0	--	--
<i>Nov</i>	0	--	--	0	--	--	0	5 / 1985 ⁺	0 / 2023 ⁺
<i>Dec</i>	0	--	--	0	--	--	1	9 / 1972 ⁺	0 / 2023 ⁺
Year (Jan-Dec)	15.3	41 / 2021	0 / 1954	66	99 / 2023	25 / 1903	2	15 / 1930	0 / 2023⁺
Winter Season (July to June) →							2	14 days 1929-30 ⁺	0 days 2021-22 ⁺

	MINIMUM Temperature of...								
	≥ 60° F			≤ 32° F			≤ 20° F		
	<i>N¹</i>	<i>Most</i>	<i>Least</i>	<i>N¹</i>	<i>Most</i>	<i>Least</i>	<i>N¹</i>	<i>Most</i>	<i>Least</i>
<i>Jan</i>	0	--	--	11	31 / 1949	0 / 2010 ⁺	1	20 / 1930	0 / 2023 ⁺
<i>Feb</i>	0	--	--	10	23 / 1920	0 / 1909	<1	9 / 1936	0 / 2022 ⁺
<i>Mar</i>	0	--	--	6	25 / 1954	0 / 1926 ⁺	0	1 / 1976 ⁺	0 / 2023 ⁺
<i>Apr</i>	0	--	--	2	16 / 1982	0 / 2023 ⁺	0	--	--
<i>May</i>	0	4 / 1997	0 / 2023 ⁺	<1	4 / 1930 ⁺	0 / 2023 ⁺	0	--	--
<i>Jun</i>	1	11 / 2021	0 / 2023 ⁺	0	1 / 1976 ⁺	0 / 2023 ⁺	0	--	--
<i>Jul</i>	3	14 / 2015	0 / 2017 ⁺	0	0 / 2023 ⁺	0 / 2023 ⁺	0	--	--
<i>Aug</i>	3	15 / 2021	0 / 2010 ⁺	0	1 / 1920	0 / 2023 ⁺	0	--	--
<i>Sep</i>	1	7 / 2017	0 / 2018 ⁺	0	3 / 1972 ⁺	0 / 2023 ⁺	0	--	--
<i>Oct</i>	0	1 / 1959 ⁺	0 / 2023 ⁺	1	16 / 2019 ⁺	0 / 2022 ⁺	0	2 / 1919	0 / 2023 ⁺
<i>Nov</i>	0	1 / 2006 ⁺	0 / 2023 ⁺	7	22 / 1978	0 / 2016 ⁺	0	9 / 1985	0 / 2023 ⁺
<i>Dec</i>	0	--	--	12	25 / 1985	0 / 1950	1	13 1985	0 / 2023 ⁺
Year (Jan-Dec)	7	37 / 2021	0 / 1988⁺	49	117 / 1985	21 / 1926⁺	2	28 / 1985	0 / 2022⁺
Winter Season (July to June) →				49	101 days 1919-20	13 days 1913-14	2	22 days 1985-86 ⁺	0 days 2021-22 ⁺

¹1991-2020 Normals. Normals for year/season are based on total in a year occurrences, not sum of all the months of the year.

⁺Multiple occurrences. Year of last occurrence listed. **Period of Record: 1892 through Dec 2023.**

Heat Waves & Cold Snaps¹

Consecutive Days with MAXIMUM Temperature				
	$\geq 80^\circ$		$\geq 90^\circ$	
	days	Year(s)	days	Year(s)
<i>Jan</i>	0	-	0	-
<i>Feb</i>	0	-	0	-
<i>Mar</i>	1	1947, 1923	0	-
<i>Apr</i>	5	1926	2	1926
<i>May</i>	8	1958	3	1987
<i>Jun</i>	14	2021	7	1970
<i>Jul</i>	29	1985	10	2018, 1938
<i>Aug</i>	27	1958	10	2017, 1967
<i>Sep</i>	15	1974, 1929	8	1944
<i>Oct</i>	7	1980, 1952	1	2022+
<i>Nov</i>	0	-	0	-
<i>Dec</i>	0	-	0	-
Year	50	1900	13	2017

⁺most recent year of multiple occurrences

Consecutive Days with MINIMUM Temperature				
	$\leq 32^\circ$		$\leq 20^\circ$	
	days	Year(s)	days	Year(s)
<i>Jan</i>	31	1949	20	1930
<i>Feb</i>	18	1923	7	1989
<i>Mar</i>	15	1985	1	1976+
<i>Apr</i>	6	1982	0	-
<i>May</i>	3	1952	0	-
<i>Jun</i>	1	1976, 1899	0	-
<i>Jul</i>	0	-	0	-
<i>Aug</i>	1	1920	0	-
<i>Sep</i>	3	1972, 1934	0	-
<i>Oct</i>	8	1954, 1919	2	1919
<i>Nov</i>	14	2000, 1985	7	1952
<i>Dec</i>	23	1985	11	1972, 1924
Year	33	1949	20	1930
Winter	33	1949-50	20	1929-30

⁺most recent year of multiple occurrences

	<i>Consecutive Days with...</i>	<i>Dates</i>
High $\geq 100^\circ$	4	2023 Aug 16-19
	4	1994 Jul 19-22
	4	1981 Aug 7-10
	4	1977 Aug 9-12
	4	1941 Jul 13-16
	3	2021 and 9 other years
High $\geq 90^\circ$	13	2017 Jul 29- Aug 10
	10	2018 Jul 22-31
	10	1967 Aug 11-20
	10	1938 Jul 13-22
	9	2009 Jul 25-Aug 2
	9	also, 5 other times
High $\geq 80^\circ$	50	1900 Jul 7-Aug 25
	45	1958 Jul 14-Aug 27
	42	2023 Jul 11-Aug 21
	29	1985 Jul 1-29
	29	1921 Jul 15-Aug 12
	High $\leq 32^\circ$	11
8		1978-9 Dec 28-Jan 4
8		1909 Jan 6-13
7		1972 Dec 5-11
Low $\leq 32^\circ$		33
	28	1969 Jan 11-Feb 7
	27	1985-86 Dec 9-Jan 4
	25	1930 Jan 5-29
Low $\leq 20^\circ$	20	1930 Jan 9-28
	11	1972 Dec 4-14
	11	1924 Dec 6-26
	10	1909 Jan 5-14
Low $\leq 10^\circ$	6	1972 Dec 7-12
	5	1989 Feb 3-7
	5	also, in 1974 and 1950
Low $\leq 0^\circ$	5	1972 Dec 7-11
	5	1950 Jan 30-Feb 3
	2	1930 Jan 20-21
	2	also, in 1919 and 1899
Low ≥ 60	15	2021 Jul 24-Aug 7
	8	2022 Jul 25-Aug 1
	8	2021 Jun 25-Jul 2

¹for Period of Record 1892 to Dec 2023.

SALEM: Monthly & Annual Average MAXIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<i>1892</i>	M	49.9	57.8	57.9	72.4	78.6	78.2	M	M	M	52.5	43.6	M
<i>1893</i>	39.7	47.3	53.9	55.6	65.5	70.5	78.7	81.1	67.2	57.3	51.4	50.2	59.9
<i>1894</i>	46.9	45.5	53.8	60.0	67.0	70.8	79.9	86.5	70.7	61.8	53.8	44.5	61.8
<i>1895</i>	44.5	49.7	55.4	63.6	65.5	74.6	77.3	80.3	68.3	66.9	51.7	48.9	62.2
<i>1896</i>	49.3	53.8	55.5	57.8	63.1	73.7	86.7	78.7	75.4	66.8	45.4	50.2	63.0
<i>1897</i>	44.9	M	M	65.7	73.2	71.4	76.8	83.5	69.8	62.7	52.6	48.1	M
<i>1898</i>	44.6	52.3	53.9	62.6	68.3	75.5	79.8	81.4	74.6	61.0	52.3	45.6	62.7
<i>1899</i>	51.3	48.4	55.0	59.7	62.6	73.4	81.5	74.0	76.2	59.4	56.2	51.2	62.4
<i>1900</i>	50.9	50.2	61.5	63.6	71.7	81.4	85.8	85.8	M	75.2	M	M	M
<i>1901</i>	M	M	M	M	65.1	67.3	M	M	71.2	70.3	M	44.2	M
<i>1902</i>	45.9	53.9	52.3	59.7	65.3	72.4	M	M	74.4	65.9	51.5	47.2	M
<i>1903</i>	48.1	47.0	53.7	56.8	64.4	72.1	73.7	76.0	72.8	62.7	50.9	47.1	60.4
<i>1904</i>	46.6	46.8	48.8	63.3	69.0	74.3	78.8	82.4	74.8	64.4	55.2	47.5	62.7
<i>1905</i>	45.5	50.4	58.8	64.8	64.0	70.2	82.7	78.4	72.0	59.2	50.8	44.7	61.8
<i>1906</i>	48.1	51.7	53.0	66.0	65.6	68.4	86.3	82.5	72.5	63.7	52.4	48.5	63.2
<i>1907</i>	41.2	53.6	53.0	61.8	69.0	71.4	80.1	76.2	73.7	64.7	55.6	48.4	62.4
<i>1908</i>	46.9	49.3	53.5	61.7	59.8	69.7	81.7	78.9	73.0	61.9	54.4	43.4	61.2
<i>1909</i>	40.5	48.3	55.4	59.3	63.4	72.7	72.7	78.4	74.3	61.3	50.9	41.4	59.9
<i>1910</i>	43.1	45.1	59.2	61.6	69.1	69.4	79.6	76.1	69.0	62.8	51.1	47.9	61.2
<i>1911</i>	43.4	46.7	59.3	58.9	61.7	68.7	82.9	79.0	65.9	62.0	52.4	45.6	60.5
<i>1912</i>	47.3	51.1	54.3	57.3	67.3	71.7	76.9	74.5	70.8	59.5	52.7	45.4	60.7
<i>1913</i>	43.0	47.8	51.6	59.6	66.2	71.1	77.6	81.9	M	59.5	45.4	41.0	M
<i>1914</i>	46.4	44.8	53.1	57.2	70.5	70.5	82.0	80.5	67.5	62.4	52.8	42.1	60.8
<i>1915</i>	44.7	50.0	60.8	64.9	64.8	70.8	76.5	84.0	74.9	66.2	51.9	47.2	63.1
<i>1916</i>	37.7	54.2	52.6	63.1	62.7	71.8	74.3	81.2	73.9	66.5	50.0	43.5	61.0
<i>1917</i>	48.1	46.4	47.9	54.2	62.6	72.9	83.9	85.9	71.8	67.0	59.8	52.5	62.7
<i>1918</i>	49.1	47.6	54.9	68.1	65.9	79.2	77.5	77.6	79.7	63.5	50.8	46.4	63.4
<i>1919</i>	46.1	46.8	53.1	59.1	65.2	69.6	79.9	79.5	71.3	58.8	50.9	40.1	60.0
<i>1920</i>	45.3	50.2	53.4	57.3	68.2	74.0	83.3	86.8	72.8	60.3	54.1	48.0	62.8
<i>1921</i>	46.1	52.2	55.9	60.7	67.9	76.2	83.3	83.6	73.4	67.8	54.7	44.9	63.9
<i>1922</i>	43.2	46.9	51.0	57.5	69.6	81.7	86.7	80.9	77.0	62.1	48.5	44.3	62.5
<i>1923</i>	47.6	44.0	55.1	62.9	67.7	73.8	80.2	84.9	77.3	64.8	57.1	47.9	63.6
<i>1924</i>	45.2	54.3	54.9	64.4	74.8	78.1	83.5	80.4	76.3	63.9	51.1	42.5	64.1
<i>1925</i>	49.5	52.2	55.6	63.3	71.8	76.0	84.9	80.4	73.7	65.6	50.4	51.6	64.6
<i>1926</i>	47.1	54.5	64.4	72.5	68.6	81.3	86.2	80.7	72.1	66.1	55.6	47.5	66.4
<i>1927</i>	45.4	51.6	54.8	62.1	64.6	77.7	86.5	84.6	71.2	63.5	55.5	42.4	63.3
<i>1928</i>	45.1	50.7	58.1	59.5	76.1	69.5	81.9	82.7	75.4	66.0	51.3	44.5	63.4
<i>1929</i>	40.4	44.4	56.0	58.0	68.9	73.6	83.6	87.3	79.9	70.1	55.5	53.5	64.3
<i>1930</i>	35.5	53.6	60.2	62.8	63.8	71.3	80.1	82.9	74.7	63.2	51.7	45.8	62.1
<i>1931</i>	49.9	51.1	56.1	63.9	74.6	74.2	86.5	86.8	74.6	65.5	50.6	44.0	64.8
<i>1932</i>	44.5	46.4	53.1	60.1	67.8	80.1	79.4	81.5	80.3	67.5	54.6	43.2	63.2
<i>1933</i>	44.3	45.3	54.7	62.7	60.6	73.3	81.8	84.0	69.1	66.0	51.4	51.2	62.0
<i>1934</i>	52.1	55.8	64.6	70.7	71.8	78.0	80.6	84.1	76.8	67.9	55.5	48.8	67.2
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MAXIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1935	47.0	52.0	51.5	61.4	69.4	77.9	83.1	84.3	81.5	62.5	49.7	45.9	63.9
1936	48.9	42.6	54.5	66.3	71.1	75.7	81.8	84.2	77.0	70.5	54.8	48.0	64.6
1937	37.6	49.5	58.3	60.6	71.0	75.0	80.1	79.5	73.7	67.2	54.4	48.2	62.9
1938	45.4	50.2	53.8	62.1	70.1	77.9	85.8	79.0	78.7	63.5	49.9	48.3	63.7
1939	47.6	46.4	57.8	65.9	71.1	71.5	83.7	83.7	77.1	64.1	54.6	51.0	64.5
1940	46.9	51.6	58.9	63.5	72.9	80.3	80.4	84.8	75.1	65.5	50.7	49.7	65.0
1941	48.5	55.8	63.9	65.1	67.8	73.7	88.4	81.1	71.0	63.7	53.4	47.6	65.0
1942	42.0	50.9	56.0	62.2	65.9	71.6	81.8	84.3	78.4	67.4	52.4	48.8	63.5
1943	41.0	54.7	55.4	63.8	66.4	71.9	82.5	80.7	82.0	63.5	54.8	47.2	63.7
1944	47.1	51.2	57.0	60.4	68.8	73.3	83.6	81.2	80.6	68.7	52.8	46.0	64.2
1945	49.5	52.3	52.5	59.2	69.1	76.0	85.4	83.9	74.3	66.1	51.7	47.2	63.9
1946	46.7	50.1	54.8	61.5	72.2	71.5	81.8	83.5	73.9	59.6	52.3	47.4	62.9
1947	43.1	55.7	59.5	64.8	75.2	71.5	78.5	78.9	77.6	62.1	54.0	48.7	64.1
1948	48.2	48.5	52.6	56.1	65.0	77.5	79.6	77.4	75.6	62.6	50.1	43.6	61.4
1949	37.8	47.9	55.2	64.8	71.2	76.7	80.7	79.7	77.3	59.4	57.1	46.1	62.8
1950	36.0	48.8	52.1	59.3	68.7	73.7	83.5	85.4	77.6	58.5	54.0	52.6	62.5
1951	45.0	50.8	49.6	68.1	68.7	81.1	82.6	80.9	78.2	62.5	52.7	43.2	63.6
1952	44.5	48.1	52.7	64.4	70.1	71.2	85.0	81.7	81.3	71.8	47.9	47.4	63.8
1953	52.5	52.3	54.6	60.4	64.5	68.4	81.4	78.8	77.7	66.2	55.2	48.8	63.4
1954	46.4	52.1	55.6	61.2	69.6	68.0	77.1	75.3	72.6	64.3	55.7	46.7	62.1
1955	45.0	48.7	50.3	54.9	65.8	73.2	75.2	81.1	74.5	62.6	49.6	47.7	60.7
1956	47.5	42.7	52.1	64.2	71.7	70.7	84.5	79.9	76.7	61.4	51.4	45.9	62.4
1957	39.3	51.1	54.6	63.6	69.6	74.3	79.8	78.3	81.5	63.2	53.1	49.0	63.1
1958	49.8	55.5	55.7	60.8	75.0	76.1	88.4	87.4	76.6	68.9	53.9	51.9	66.7
1959	48.6	50.4	55.5	63.1	65.8	72.9	84.8	81.5	71.9	65.5	54.4	46.6	63.4
1960	43.2	50.0	53.3	60.1	62.9	75.5	86.4	78.9	77.6	65.7	54.4	47.0	62.9
1961	51.0	52.5	54.3	59.4	64.3	78.3	83.5	85.8	73.8	64.6	51.1	47.1	63.8
1962	44.6	49.2	53.0	62.0	60.4	73.6	81.9	79.6	76.6	61.9	53.7	47.5	62.0
1963	41.3	56.6	54.1	55.5	67.5	71.0	75.2	79.8	79.0	63.3	52.2	46.8	61.9
1964	47.4	49.9	52.4	58.9	66.3	71.5	80.5	78.2	73.4	66.6	48.6	45.0	61.6
1965	45.5	50.9	60.5	61.4	64.3	73.5	84.3	80.8	75.2	65.8	54.5	43.3	63.3
1966	45.6	49.9	54.3	63.6	70.2	76.1	80.7	83.5	77.5	64.5	54.8	50.4	64.3
1967	50.1	53.1	52.0	56.1	68.2	78.7	85.3	91.1	81.9	64.5	54.5	47.6	65.3
1968	46.1	58.4	57.1	58.7	66.0	72.9	82.8	77.7	73.2	61.9	52.9	43.4	62.6
1969	38.2	48.6	60.6	59.9	72.8	77.3	80.6	80.3	74.6	61.1	52.9	48.7	63.0
1970	47.4	55.9	56.8	56.5	68.5	79.3	85.5	83.7	73.4	64.0	53.4	45.1	64.1
1971	44.7	48.5	50.9	59.0	66.4	69.5	82.7	84.2	72.4	61.5	51.5	44.7	61.3
1972	44.8	51.0	57.5	56.9	70.1	73.2	84.9	85.8	72.0	63.5	53.9	42.4	63.0
1973	45.7	54.1	54.1	61.6	69.9	73.7	85.0	78.8	76.1	62.2	49.4	49.2	63.3
1974	44.7	47.1	55.1	59.1	64.2	76.0	79.1	82.9	84.8	68.5	54.0	49.0	63.7
1975	48.5	49.6	52.2	56.1	66.8	72.2	81.2	76.5	81.7	59.6	51.5	48.2	62.0
1976	47.6	48.5	52.1	58.2	65.9	70.3	80.1	76.6	76.0	65.8	56.1	45.2	61.9
1977	47.8	55.3	53.8	64.6	62.1	75.8	79.5	85.7	70.4	63.3	52.4	48.8	63.3
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MAXIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	46.4	51.7	59.2	58.3	66.5	78.0	83.4	81.5	70.8	67.9	48.5	41.9	62.8
1979	38.0	48.9	60.2	60.8	69.6	76.5	84.3	79.0	77.0	65.3	49.1	51.8	63.4
1980	43.8	51.6	53.2	62.7	64.9	67.9	81.3	79.2	77.9	66.9	54.8	49.5	62.8
1981	49.2	51.7	57.6	61.8	65.4	70.2	79.8	86.0	76.9	62.2	52.6	49.6	63.6
1982	43.9	49.7	55.3	58.7	68.5	78.1	79.6	81.6	74.6	64.4	51.1	47.5	62.8
1983	49.1	53.5	57.3	62.6	70.3	71.7	76.5	81.4	75.2	64.9	55.6	43.7	63.5
1984	51.6	53.6	58.8	57.9	64.5	70.3	82.0	82.3	75.2	59.8	51.4	43.4	62.6
1985	43.3	48.9	53.4	62.6	67.6	76.0	87.8	81.3	72.0	62.8	44.5	42.1	61.9
1986	50.7	51.2	60.7	59.5	66.7	78.0	76.7	86.8	70.5	65.5	53.7	47.0	63.9
1987	47.2	52.7	57.4	65.0	71.0	79.5	77.5	84.1	78.6	72.4	54.6	43.8	65.3
1988	45.3	53.2	56.5	61.3	65.2	73.0	83.3	82.7	79.0	67.7	52.6	47.0	63.9
1989	47.9	43.5	54.2	66.8	68.4	76.9	77.4	78.3	80.6	64.3	54.3	45.6	63.2
1990	49.1	48.9	58.7	65.3	66.6	73.8	86.1	83.0	79.5	62.0	54.1	40.9	64.0
1991	47.7	57.6	54.3	59.4	62.9	69.2	83.2	82.2	82.4	68.1	53.5	46.4	63.9
1992	51.0	56.7	63.2	64.3	77.0	81.0	83.1	85.0	75.2	66.0	52.2	44.7	66.6
1993	43.3	48.6	58.5	61.2	72.6	72.6	74.5	81.1	81.0	69.9	49.7	47.2	63.4
1994	51.0	50.9	61.5	64.3	71.5	75.6	86.8	82.1	79.6	64.3	48.3	48.5	65.4
1995	51.0	55.1	57.9	60.6	72.0	75.7	81.7	78.7	76.9	62.4	57.5	48.2	64.8
1996	46.9	50.8	57.0	61.5	62.7	73.6	85.0	82.7	72.3	61.8	51.8	48.4	62.9
1997	46.7	50.7	54.4	59.4	73.0	71.7	80.5	83.8	75.7	59.9	55.5	45.9	63.1
1998	49.3	52.6	56.1	61.2	62.4	72.3	83.0	84.0	79.5	61.9	53.2	45.4	63.4
1999	47.5	49.3	52.4	60.5	64.1	70.8	80.4	80.2	80.3	66.8	55.7	49.0	63.1
2000	46.4	50.8	53.9	62.6	65.3	77.0	79.6	80.1	75.1	63.7	50.2	47.2	62.7
2001	48.5	51.8	56.6	57.6	71.2	70.0	79.3	81.5	77.3	63.5	54.1	47.1	63.2
2002	46.0	52.8	52.3	60.6	64.7	74.1	83.4	82.5	77.4	64.6	55.7	49.0	63.6
2003	52.1	52.7	56.4	57.7	66.5	77.8	86.2	82.5	78.6	66.3	50.9	47.3	64.6
2004	44.1	51.4	60.2	65.3	66.7	75.3	84.9	84.2	71.5	63.9	50.7	48.2	63.9
2005	48.3	51.9	59.9	59.6	67.5	69.5	82.7	85.1	74.7	62.7	51.0	45.9	63.2
2006	49.1	50.3	52.7	62.2	69.5	75.6	84.1	82.7	78.7	64.5	52.6	46.2	64.0
2007	45.6	51.2	58.5	60.2	69.0	72.5	83.0	80.1	74.0	60.2	51.4	45.4	62.6
2008	42.8	51.9	51.8	56.0	67.0	71.7	82.6	80.4	78.1	62.7	54.4	43.7	61.9
2009	46.5	50.2	51.9	60.4	70.4	74.3	86.1	81.9	77.7	62.8	54.5	44.2	63.4
2010	51.8	54.7	56.4	59.3	63.7	70.1	82.0	81.6	74.7	64.7	51.7	48.9	63.3
2011	48.9	48.3	54.0	56.3	62.8	70.9	78.5	82.5	81.1	62.5	52.3	45.4	62.0
2012	49.0	50.7	51.6	61.3	67.5	69.7	79.7	85.0	79.6	65.3	54.0	47.2	63.4
2013	41.9	50.5	57.5	61.9	69.4	76.3	85.9	83.7	74.1	63.4	53.1	42.5	63.4
2014	48.3	48.3	58.9	63.7	71.1	75.0	87.2	86.7	80.2	69.1	53.3	51.4	66.1
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MAXIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	51.2	57.1	62.7	62.4	71.2	84.2	88.4	85.2	76.0	69.7	52.8	49.1	67.5
2016	49.0	56.7	57.9	68.3	72.1	77.9	81.0	86.8	75.6	62.0	57.8	42.5	65.6
2017	43.1	49.7	55.1	59.5	70.5	76.0	86.0	89.0	79.2	65.1	54.2	47.2	64.6
2018	52.1	50.3	55.4	61.9	72.7	76.9	88.2	84.6	76.5	67.9	55.8	49.7	66.0
2019	50.6	44.0	57.7	61.5	71.1	76.9	80.4	83.3	71.7	60.5	53.2	47.4	63.2
2020	50.1	51.2	54.5	63.6	68.6	72.7	82.8	84.1	76.6	65.0	52.0	49.3	64.2
2021	49.4	48.1	55.0	67.3	71.6	83.5	88.4	86.3	79.0	62.4	56.4	46.8	66.2
2022	50.1	52.4	58.2	57.7	65.2	74.7	87.7	87.7	80.5	71.5	50.5	46.8	65.2
2023	48.9	48.0	51.8	58.4	74.4	78.5	86.8	87.1	75.7	64.9	52.4	50.7	64.8
2024													
2025													
2026													
2027													
2028													
2029													
normal	48.4	52.1	56.8	61.6	69.0	74.6	83.5	83.6	77.5	64.8	53.6	47.4	64.4

Normal are 1991-2020 normals

Progression of Salem's 30-Year Climatic Normals for MAXIMUM Temperatures

30-year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1890-1920	45.4	49.4	55.7	62.1	68.2	74.8	81.8	82.3	74.6	64.6	52.5	46.5	63.2
1921-1950	44.8	50.4	56.0	62.3	69.6	76.2	83.2	82.3	76.4	64.6	52.8	47.0	63.8
1931-1960	45.5	50.3	55.1	62.5	68.3	73.4	81.7	80.8	76.8	65.7	53.8	48.6	63.5
1941-1970	45.3	51.4	54.9	61.0	68.1	74.0	82.4	81.3	76.5	64.1	53.0	47.1	63.3
1951-1980	45.7	51.1	54.6	60.3	67.3	73.9	82.2	81.2	76.2	64.5	52.6	47.0	63.1
1961-1990	46.4	51.5	55.7	60.4	67.0	74.5	81.6	82.0	76.0	64.2	52.4	46.4	63.2
1971-2000	47.0	51.0	56.3	61.1	67.5	74.0	81.5	81.9	76.6	64.5	52.4	46.4	63.4
1971-2000¹	47.0	51.2	56.2	61.1	67.5	74.0	81.5	82.0	76.7	64.5	52.4	46.4	63.4
1981-2010	47.7	51.6	56.5	61.1	67.8	73.9	82.2	82.4	76.8	64.1	52.6	46.2	63.6
1991-2020	48.4	52.1	56.8	61.6	69.0	74.6	83.5	83.6	77.5	64.8	53.6	47.4	64.4

¹Normals 1971-2000 recalculated using same methodology as that of the 1981-2010. There may or may not be much difference from the original 1971-2000 normals data set, but this process does yield more realistic normal for that period. Same process is used for subsequent normals (1981-2010 and 1991-2020).

SALEM: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1892	M	32.0	37.9	37.5	42.3	44.9	49.4	M	M	M	37.0	31.8	M
1893	27.9	33.6	37.0	39.3	42.0	45.1	45.2	45.8	46.1	39.4	35.5	37.8	39.6
1894	35.7	32.2	36.1	40.3	42.8	47.3	50.0	53.2	48.5	42.6	38.5	33.8	41.8
1895	33.4	35.3	33.2	39.7	44.2	47.8	51.3	49.9	45.7	40.4	36.0	35.5	41.0
1896	37.3	38.0	35.0	37.3	42.3	47.6	52.5	52.5	45.0	41.3	33.8	39.3	41.8
1897	34.8	36.7	34.5	41.1	45.9	50.4	50.0	54.3	47.6	41.6	39.0	37.8	42.8
1898	33.9	38.3	32.4	40.7	44.0	49.6	51.0	54.7	48.3	42.0	37.0	30.0	41.8
1899	37.5	31.0	33.3	36.7	43.3	44.7	50.4	50.1	47.6	40.8	45.0	35.4	41.3
1900	36.0	35.4	39.0	37.7	45.3	50.3	52.6	48.7	M	36.3	35.9	38.2	M
1901	32.0	M	M	M	48.0	49.8	M	54.0	48.5	48.9	M	36.5	M
1902	31.0	38.4	37.7	39.3	46.5	49.3	M	M	44.8	41.3	36.6	35.3	M
1903	38.3	33.5	36.9	41.1	46.9	53.4	53.6	54.5	50.2	44.9	40.6	35.7	44.1
1904	37.2	36.1	38.5	44.2	46.4	50.3	54.8	53.5	50.1	45.9	45.2	38.1	45.0
1905	35.5	34.6	43.2	44.0	47.3	51.3	55.0	53.5	52.5	41.9	35.4	36.2	44.2
1906	39.0	37.3	37.1	43.3	47.5	50.6	57.6	54.4	51.3	46.5	41.8	39.3	45.5
1907	30.5	40.5	38.4	42.5	47.3	52.3	55.2	53.7	51.6	48.8	40.6	39.5	45.1
1908	37.2	36.6	38.7	41.6	44.4	50.9	56.9	53.7	47.8	46.0	41.6	34.6	44.2
1909	28.7	39.5	39.3	40.2	43.9	50.7	53.1	52.3	50.8	45.3	42.4	30.3	43.0
1910	34.2	34.0	43.4	43.5	49.3	50.4	54.8	50.9	49.1	46.9	39.9	38.5	44.6
1911	34.0	33.6	37.7	39.2	45.4	50.5	56.0	54.6	48.5	42.8	40.4	36.7	43.3
1912	37.1	38.5	36.4	41.4	47.4	51.6	56.1	54.7	49.2	41.2	40.0	35.6	44.1
1913	34.1	33.1	37.7	42.1	47.0	52.6	54.5	56.1	48.8	43.1	39.8	35.4	43.7
1914	40.4	37.8	42.3	44.9	47.9	50.2	54.6	54.5	50.6	48.2	40.2	31.0	45.2
1915	34.3	39.0	43.0	44.8	46.9	51.5	56.5	56.6	47.6	46.9	40.4	37.7	45.4
1916	28.3	38.9	40.3	41.4	43.1	50.1	54.0	55.5	50.6	38.8	33.8	33.5	42.4
1917	34.1	35.8	35.5	41.6	45.6	49.7	54.2	55.0	52.7	42.9	41.2	43.3	44.3
1918	39.3	35.9	40.5	43.2	45.4	53.1	54.6	55.3	52.9	46.2	38.1	35.0	45.0
1919	33.6	36.0	37.7	41.5	45.8	48.5	53.6	53.6	50.2	33.0	M	26.4	M
1920	29.7	29.1	34.2	37.2	38.0	46.8	46.1	47.4	46.9	43.0	35.1	37.0	39.2
1921	33.3	37.8	37.3	38.6	42.7	51.2	47.0	49.5	43.6	43.6	40.5	32.1	41.4
1922	28.2	31.3	34.4	37.7	44.6	50.7	52.3	53.1	49.6	45.7	33.9	33.5	41.3
1923	37.5	29.4	35.5	41.3	46.1	49.8	55.0	55.0	50.0	44.0	38.9	35.2	43.1
1924	32.0	40.7	36.2	39.6	45.9	52.0	51.1	53.4	48.5	45.4	38.4	29.3	42.7
1925	39.4	40.0	37.6	43.1	47.5	50.4	53.8	52.2	50.5	42.7	39.5	38.5	44.6
1926	34.5	41.3	40.1	46.0	47.7	52.7	55.5	53.9	48.2	45.9	41.6	36.1	45.3
1927	34.5	37.0	37.5	40.0	43.8	51.7	52.8	53.6	51.3	44.6	42.9	32.1	43.5
1928	34.0	34.3	42.1	41.1	46.0	51.4	54.0	48.1	43.9	41.5	38.6	31.5	42.2
1929	27.7	27.6	37.7	36.8	42.9	48.9	46.8	47.2	43.6	42.1	30.3	36.7	39.0
1930	19.3	38.1	33.7	39.8	39.4	44.1	44.5	49.1	46.9	36.5	33.6	30.4	37.9
1931	34.7	31.8	36.0	38.1	44.0	47.5	48.8	46.9	46.9	41.4	33.6	33.2	40.2
1932	31.2	32.8	38.7	39.7	42.4	47.5	48.0	52.1	42.9	43.8	39.5	28.7	40.6
1933	33.2	29.9	36.5	36.2	43.5	48.0	48.2	49.8	46.5	42.3	36.1	41.2	41.0
1934	39.2	36.1	39.5	41.2	44.7	46.6	48.4	49.1	43.1	43.0	44.7	35.7	42.6
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1935	32.8	34.6	34.5	37.6	39.4	46.0	48.6	47.5	45.6	40.1	32.2	32.2	39.3
1936	36.5	28.3	33.5	40.7	45.5	49.5	49.3	47.8	44.2	40.1	28.5	37.4	40.1
1937	22.5	33.6	38.8	39.4	43.3	50.3	51.3	50.1	48.1	44.8	43.2	36.5	41.8
1938	33.2	35.0	36.7	41.4	43.8	48.3	52.7	49.2	51.7	44.5	35.1	35.6	42.3
1939	36.1	33.2	37.3	39.9	44.0	47.8	51.8	50.2	49.4	44.5	39.7	38.5	42.7
1940	32.5	39.1	39.8	41.2	45.3	47.8	52.6	52.2	52.6	47.6	36.2	35.7	43.6
1941	35.4	34.9	38.4	41.0	45.5	50.6	55.6	54.8	49.6	44.1	39.8	36.7	43.9
1942	29.3	35.2	35.4	41.5	45.8	48.8	55.3	54.3	47.9	43.2	39.2	39.0	42.9
1943	26.7	33.3	35.3	42.8	42.6	48.6	51.6	51.5	49.0	45.6	36.5	31.2	41.2
1944	31.4	34.4	34.6	41.2	43.9	49.5	51.8	51.3	50.0	46.0	37.7	30.9	41.9
1945	34.6	36.9	36.5	40.1	46.8	47.4	50.7	50.8	46.0	40.6	39.8	34.9	42.1
1946	33.8	35.1	37.4	39.0	44.7	49.3	52.8	51.2	47.0	40.7	34.7	35.9	41.8
1947	30.9	35.3	38.5	41.9	46.1	49.8	52.9	50.4	48.3	46.6	39.3	35.4	42.9
1948	30.8	32.8	35.4	39.0	45.4	52.5	51.3	52.5	46.3	40.8	36.2	31.4	41.2
1949	21.2	33.5	38.3	40.7	46.6	47.6	51.3	52.8	49.3	38.0	41.2	34.2	41.2
1950	23.3	33.8	37.5	37.5	41.6	50.6	51.1	52.1	45.9	45.3	39.5	42.2	41.7
1951	34.6	35.4	32.3	36.9	43.0	46.9	50.8	48.5	47.1	43.6	37.8	31.9	40.7
1952	32.4	33.0	35.6	36.4	40.8	47.4	49.6	50.3	46.3	43.0	29.3	34.6	39.9
1953	41.4	33.7	35.1	37.9	43.7	46.6	47.9	51.9	47.3	42.1	40.0	36.2	42.0
1954	33.9	33.6	30.2	36.5	41.5	46.0	48.3	50.8	45.4	38.3	42.3	33.5	40.0
1955	33.3	31.3	32.5	35.5	40.3	46.6	49.9	47.9	46.3	43.8	36.4	34.5	39.9
1956	34.7	31.2	35.7	38.3	45.4	46.2	51.1	50.4	46.7	41.9	33.3	34.2	40.8
1957	26.6	34.2	39.2	40.0	47.1	49.1	49.5	49.2	49.1	43.3	32.6	37.1	41.4
1958	35.9	41.0	34.3	39.6	46.9	53.8	53.9	53.1	48.2	41.8	39.9	39.1	44.0
1959	36.9	35.3	36.4	38.4	42.2	50.2	51.1	49.4	48.4	43.2	34.1	32.6	41.5
1960	30.0	33.2	35.4	39.0	42.0	45.9	48.8	50.6	47.2	43.9	39.3	33.1	40.7
1961	34.9	39.6	38.4	38.7	43.6	48.2	51.5	52.7	42.8	40.5	31.3	34.8	41.4
1962	29.5	32.3	34.8	39.7	42.4	45.0	46.7	50.0	48.4	43.3	39.7	35.9	40.6
1963	26.1	38.8	34.7	38.5	42.8	47.2	48.5	50.8	52.4	44.2	39.9	32.9	41.4
1964	35.9	30.7	34.9	37.1	41.0	49.0	52.3	49.4	44.2	39.7	35.3	34.1	40.3
1965	35.4	35.2	32.7	39.2	40.0	44.3	50.1	52.6	43.9	44.8	41.3	32.3	41.0
1966	33.5	31.2	34.8	37.4	39.5	47.5	49.6	50.3	48.9	40.7	39.4	38.0	40.9
1967	38.1	32.1	34.1	33.1	40.5	49.6	49.8	52.1	47.9	44.1	38.3	36.3	41.3
1968	33.2	37.8	37.5	35.0	43.0	46.3	49.4	52.7	47.7	41.0	37.7	30.6	41.0
1969	27.7	32.0	31.9	38.2	44.9	53.4	49.2	46.7	47.6	38.6	35.2	35.1	40.0
1970	35.8	33.9	34.1	35.0	39.9	49.4	48.9	47.1	43.2	37.3	33.8	32.9	39.3
1971	33.4	30.3	32.9	35.2	40.2	46.8	51.9	54.0	45.8	39.7	37.5	34.2	40.2
1972	31.7	35.4	38.2	35.0	42.9	46.7	50.2	50.5	43.1	36.7	38.8	27.9	39.8
1973	31.9	33.6	35.1	36.6	41.6	48.5	49.9	48.4	48.1	41.6	38.5	37.6	41.0
1974	30.4	35.3	37.0	39.5	41.5	47.6	52.4	51.8	46.7	37.5	38.8	37.0	41.3
1975	36.6	34.2	34.9	34.5	41.7	47.5	52.9	49.6	45.3	43.5	36.3	35.6	41.1
1976	33.7	31.9	32.8	36.1	40.5	43.4	50.4	51.7	47.9	38.4	35.7	32.3	39.6
1977	27.5	33.6	35.1	36.5	41.4	47.8	49.5	54.5	47.5	40.8	36.7	37.5	40.7
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	36.4	38.8	37.1	39.4	43.0	52.3	54.2	55.1	51.1	40.3	30.2	27.6	42.1
1979	24.4	36.4	37.8	40.1	43.9	47.0	51.5	52.3	48.7	44.0	34.4	37.7	41.5
1980	27.3	34.7	35.9	38.7	42.5	47.1	49.7	46.3	47.0	40.2	39.7	36.2	40.4
1981	32.0	34.5	35.5	39.3	43.6	47.8	50.3	51.3	46.9	38.6	36.5	36.2	41.0
1982	33.2	33.4	33.6	33.0	40.8	52.0	51.7	51.2	48.1	42.3	33.6	34.7	40.6
1983	37.4	38.6	40.5	37.6	44.3	48.9	52.1	54.1	45.4	40.4	43.0	33.1	42.9
1984	34.8	34.8	38.5	37.6	41.3	44.5	48.8	51.3	47.3	43.0	37.4	31.5	40.9
1985	25.3	30.3	32.1	40.2	42.7	46.4	52.5	49.5	44.7	39.6	30.1	24.4	38.2
1986	35.7	37.5	39.6	37.2	43.8	50.3	50.2	52.9	47.4	41.8	39.6	32.2	42.4
1987	31.8	34.9	37.1	38.8	45.1	48.4	52.2	51.5	46.8	39.8	39.2	33.9	41.6
1988	33.4	33.4	34.6	40.9	42.2	48.0	50.3	48.9	45.5	45.5	41.0	34.0	41.5
1989	35.3	26.0	38.5	42.3	44.0	49.7	51.8	51.5	45.6	41.6	40.4	33.5	41.7
1990	36.4	33.6	36.9	40.2	43.8	50.8	53.1	55.2	50.2	40.4	39.7	27.9	42.4
1991	31.3	39.7	34.9	38.9	43.2	46.6	52.7	53.3	48.4	40.4	41.1	36.8	42.3
1992	37.2	38.5	37.8	43.3	44.6	50.5	54.7	51.3	48.8	44.1	40.0	33.6	43.7
1993	29.4	30.2	39.7	43.3	48.3	49.9	51.8	53.3	45.6	43.1	31.3	34.9	41.7
1994	37.6	35.0	38.9	42.1	46.9	47.7	51.3	52.0	50.7	41.0	35.1	36.0	42.9
1995	37.9	37.9	37.0	39.3	46.0	49.5	55.3	51.4	52.4	42.3	44.7	36.3	44.2
1996	37.0	33.6	37.5	42.2	43.5	48.2	55.5	52.8	47.6	43.0	38.6	36.5	43.0
1997	35.1	33.9	38.4	39.5	47.8	49.3	53.4	55.8	52.5	44.1	40.5	33.1	43.6
1998	38.6	38.3	38.5	39.7	46.7	50.3	56.2	54.0	49.5	42.8	42.2	34.4	44.3
1999	36.0	36.9	36.9	38.1	42.5	49.0	51.7	55.5	46.2	41.0	43.0	36.1	42.7
2000	33.8	35.9	34.6	40.0	46.2	50.1	52.3	51.0	49.2	42.7	32.3	33.9	41.8
2001	32.6	31.8	36.7	38.1	43.4	47.1	52.8	52.8	49.8	41.6	41.0	35.2	41.9
2002	36.1	33.7	35.2	40.2	43.3	49.9	54.2	52.4	48.9	39.6	37.0	37.3	42.3
2003	37.7	34.5	41.6	41.3	45.1	50.3	54.2	55.0	51.0	47.5	36.5	36.1	44.2
2004	34.9	35.7	38.1	39.8	46.8	50.9	55.0	56.0	49.7	44.6	36.9	36.7	43.8
2005	35.3	30.9	37.3	40.8	48.2	49.9	55.0	52.7	46.4	45.7	34.0	33.7	42.5
2006	39.6	32.6	36.4	39.6	44.7	53.0	55.4	52.1	48.1	39.5	41.2	32.9	42.9
2007	30.5	37.4	39.4	39.4	44.3	49.7	56.7	54.4	48.6	42.8	35.9	34.8	42.8
2008	31.4	34.2	34.7	36.9	47.6	46.8	53.5	54.9	48.1	40.8	41.2	30.4	41.7
2009	32.8	32.0	36.4	38.4	44.1	53.4	56.3	54.7	51.0	43.9	39.2	30.2	42.7
2010	40.7	37.9	38.0	40.1	45.0	49.9	53.0	53.2	52.6	44.4	39.1	38.8	44.4
2011	35.6	33.6	40.0	38.6	44.3	50.6	53.3	55.6	52.0	46.5	37.8	32.1	43.3
2012	35.2	34.7	36.2	41.8	44.0	50.0	54.0	54.2	48.7	44.9	41.3	37.3	43.5
2013	32.4	36.6	37.8	41.2	46.9	51.6	55.0	57.5	54.6	39.8	38.3	29.8	43.5
2014	34.3	36.3	39.3	42.1	48.5	51.3	57.8	58.3	52.4	49.9	39.0	38.6	45.7
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MINIMUM Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	37.1	40.4	40.2	39.5	48.8	54.4	57.9	57.3	49.9	48.3	36.5	39.3	45.8
2016	37.7	40.0	40.7	44.2	49.1	52.4	56.0	55.8	49.1	48.8	44.5	31.1	45.8
2017	29.5	36.3	40.9	41.4	46.2	52.8	54.2	57.1	53.4	42.8	41.3	32.0	44.0
2018	39.4	34.7	36.0	42.7	48.3	51.8	56.2	55.8	48.5	44.1	38.4	36.9	44.4
2019	35.0	32.8	34.8	44.3	46.8	50.8	55.7	56.2	52.6	38.2	35.1	36.5	43.2
2020	40.6	32.5	35.1	40.3	47.1	51.8	54.6	54.2	53.3	42.6	37.0	35.5	43.7
2021	37.5	36.2	34.1	39.3	47.1	55.5	58.2	58.3	52.9	45.6	43.2	37.5	45.5
2022	34.4	34.3	40.4	39.0	46.2	52.8	58.3	57.4	53.5	46.7	33.2	34.7	44.2
2023	35.8	32.4	34.1	41.4	49.4	50.5	55.5	58.9	52.3	45.9	38.2	38.8	44.4
2024													
2025													
2026													
2027													
2028													
2029													
normal	35.8	35.9	38.3	41.0	46.3	50.8	55.1	54.8	50.6	43.9	39.0	35.1	43.9

Normal are 1991-2020 normals

Progression of Salem's 30-Year Climatic Normals for MINIMUM Temperatures

30-year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1890-1920	33.3	35.0	37.8	40.7	44.6	49.6	51.8	51.8	48.3	43.2	37.8	34.9	42.5
1921-1950	31.9	35.1	37.6	40.5	44.7	49.4	52.2	51.7	48.3	44.3	38.0	35.0	42.4
1931-1960	31.5	33.5	35.5	39.6	44.2	47.8	50.4	51.3	48.1	42.5	36.6	34.3	41.3
1941-1970	32.2	34.4	35.4	38.5	43.3	48.4	50.7	50.9	47.3	42.3	37.4	34.7	41.3
1951-1980	32.8	34.3	35.0	37.4	42.3	47.8	50.3	50.7	47.7	41.4	36.8	34.4	40.9
1961-1990	32.7	34.1	35.6	37.7	42.2	48.3	50.9	51.4	47.1	41.1	37.5	33.6	41.0
1971-2000	33.5	34.7	36.6	38.8	43.6	48.4	52.0	52.1	47.7	41.3	37.9	33.9	41.7
1971-2000¹	33.6	34.8	36.7	39.0	43.7	48.6	52.1	52.2	47.8	41.5	38.0	34.1	41.9
1981-2010	34.7	34.6	37.2	39.6	44.7	49.3	53.1	52.8	48.4	42.3	38.4	34.0	42.4
1991-2020	35.8	35.9	38.3	41.0	46.3	50.8	55.1	54.8	50.6	43.9	39.0	35.1	43.9

¹Normals 1971-2000 recalculated using same methodology as that of the 1981-2010. There may or may not be much difference from the original 1971-2000 normals data set, but this process does yield more realistic normal for that period. Same process is used for subsequent normals (1981-2010 and 1991-2020).

SALEM: Monthly & Annual Average MEAN Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1892	<i>M</i>	40.9	47.9	47.7	57.3	61.8	63.8	<i>M</i>	<i>M</i>	<i>M</i>	44.7	37.7	M
1893	33.8	40.4	45.5	47.5	53.8	57.8	62.0	63.4	56.6	48.3	43.5	44.0	49.7
1894	41.3	38.9	44.9	50.2	54.9	59.1	65.0	69.9	59.6	52.2	46.2	39.2	51.8
1895	38.9	42.5	44.3	51.7	54.9	61.2	64.3	65.1	57.0	53.7	43.9	42.2	51.6
1896	43.3	45.9	45.3	47.5	52.7	60.7	69.6	65.6	60.2	54.0	39.6	44.7	52.4
1897	39.9	42.5	43.3	53.4	59.5	60.9	63.4	68.9	58.7	52.1	45.8	43.0	52.6
1898	39.2	45.3	43.1	51.6	56.1	62.6	65.4	68.0	61.4	51.5	44.6	37.8	52.2
1899	44.4	39.7	44.1	48.2	53.0	59.0	66.0	62.0	61.9	50.1	50.6	43.3	51.9
1900	43.5	42.8	50.3	50.7	58.5	65.9	69.2	67.3	<i>M</i>	55.7	<i>M</i>	<i>M</i>	M
1901	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	56.5	58.6	<i>M</i>	67.2	59.8	59.6	<i>M</i>	40.4	M
1902	38.3	46.1	45.0	49.5	55.9	60.9	<i>M</i>	<i>M</i>	59.6	53.6	44.1	41.3	M
1903	43.2	40.2	45.3	48.8	55.6	62.7	63.7	65.3	61.5	53.8	45.8	41.4	52.3
1904	41.9	41.4	43.6	53.7	57.7	62.3	66.8	68.0	62.5	55.1	50.2	42.8	53.8
1905	40.5	42.5	51.0	54.4	55.6	60.8	68.8	66.0	62.2	50.6	43.1	40.5	53.0
1906	43.5	44.5	45.1	54.7	56.6	59.5	72.0	68.5	61.9	55.1	47.1	43.9	54.4
1907	35.9	47.1	45.7	52.1	58.2	61.8	67.6	64.9	62.7	56.8	48.1	43.9	53.7
1908	42.1	42.9	46.1	51.7	51.9	60.3	69.3	66.3	60.4	54.0	48.0	39.0	52.7
1909	34.6	43.9	47.3	49.8	53.5	61.7	62.9	65.4	62.5	53.3	46.7	35.9	51.5
1910	38.7	39.6	51.3	52.6	59.2	59.9	67.2	63.5	59.1	54.9	45.5	43.2	52.9
1911	38.7	40.1	48.5	49.1	53.6	59.6	69.5	66.8	57.2	52.4	46.5	41.1	51.9
1912	42.2	44.8	45.3	49.4	57.4	61.7	66.5	64.6	60.1	50.4	46.3	40.5	52.4
1913	38.4	40.4	44.7	50.9	56.6	61.8	66.1	69.0	<i>M</i>	51.3	42.6	38.1	M
1914	43.4	41.3	47.7	51.1	59.2	60.4	68.3	67.5	59.0	55.3	46.7	36.6	53.0
1915	39.5	44.5	51.9	54.8	55.9	61.1	66.5	70.3	61.2	56.5	46.2	42.4	54.2
1916	33.0	46.6	46.5	52.3	52.9	61.0	64.2	68.4	62.3	52.6	41.9	38.5	51.7
1917	41.1	41.1	41.7	47.9	54.1	61.3	69.0	70.5	62.3	55.0	50.5	47.9	53.5
1918	44.2	41.7	47.7	55.7	55.6	66.2	66.0	66.5	66.3	54.8	44.5	40.7	54.2
1919	39.9	41.4	45.4	50.3	55.5	59.1	66.7	66.5	60.7	46.0	<i>M</i>	33.3	M
1920	37.5	39.5	43.8	47.2	53.1	60.4	64.7	67.1	59.9	51.5	44.6	42.5	51.0
1921	39.7	45.0	46.6	49.7	55.3	63.7	65.1	66.6	58.5	55.7	47.6	38.5	52.7
1922	35.7	39.1	42.7	47.6	57.1	66.2	69.5	67.0	63.3	53.9	41.2	38.9	51.9
1923	42.5	36.7	45.3	52.1	56.9	61.8	67.6	69.9	63.7	54.4	48.0	41.5	53.4
1924	38.6	47.5	45.6	52.0	60.3	65.0	67.3	66.9	62.4	54.7	44.8	35.9	53.4
1925	44.5	46.1	46.6	53.2	59.7	63.2	69.3	66.3	62.1	54.2	44.9	45.1	54.6
1926	40.8	47.9	52.3	59.3	58.2	67.0	70.8	67.3	60.1	56.0	48.6	41.8	55.8
1927	39.8	44.3	46.1	51.1	54.2	64.7	69.6	69.1	61.3	54.0	49.2	37.2	53.4
1928	39.5	42.5	50.1	50.3	61.0	60.5	68.0	65.4	59.7	53.7	44.9	38.0	52.8
1929	34.1	36.0	46.9	47.4	55.9	61.3	65.2	66.9	61.8	56.1	42.9	45.1	51.6
1930	27.4	45.9	47.0	51.3	51.6	57.7	62.3	66.2	60.8	49.9	42.7	38.1	50.1
1931	42.3	41.4	46.0	51.0	59.3	60.9	67.6	66.9	60.8	53.5	42.1	38.6	52.5
1932	37.8	39.6	45.9	49.9	55.1	63.8	63.7	66.8	61.6	55.7	47.1	36.0	51.9
1933	38.8	37.6	45.6	49.5	52.1	60.6	65.0	66.9	57.8	54.2	43.8	46.2	51.5
1934	45.6	45.9	52.0	56.0	58.3	62.3	64.5	66.6	60.0	55.5	50.1	42.3	54.9
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MEAN Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1935	40.0	43.3	43.0	49.5	54.4	62.0	65.9	65.9	63.6	51.3	41.0	39.1	51.6
1936	42.7	35.4	44.0	53.5	58.3	62.6	65.5	66.0	60.6	55.3	41.7	42.7	52.4
1937	30.1	41.6	48.6	50.0	57.2	62.7	65.7	64.8	60.9	56.0	48.8	42.4	52.4
1938	39.3	42.6	45.3	51.8	57.0	63.1	69.2	64.1	65.2	54.0	42.5	41.9	53.0
1939	41.9	39.8	47.5	52.9	57.5	59.7	67.8	67.0	63.2	54.3	47.1	44.8	53.6
1940	39.7	45.3	49.4	52.4	59.1	64.0	66.5	68.5	63.9	56.6	43.5	42.7	54.3
1941	42.0	45.3	51.1	53.0	56.6	62.2	72.0	68.0	60.3	53.9	46.6	42.1	54.4
1942	35.6	43.0	45.7	51.9	55.9	60.2	68.6	69.3	63.2	55.3	45.8	43.9	53.2
1943	33.8	44.0	45.3	53.3	54.5	60.3	67.0	66.1	65.5	54.5	45.7	39.2	52.4
1944	39.2	42.8	45.8	50.8	56.4	61.4	67.7	66.2	65.3	57.4	45.2	38.4	53.1
1945	42.1	44.6	44.5	49.7	58.0	61.7	68.1	67.3	60.2	53.3	45.8	41.0	53.0
1946	40.3	42.6	46.1	50.3	58.5	60.4	67.3	67.4	60.5	50.2	43.5	41.6	52.4
1947	37.0	45.5	49.0	53.4	60.6	60.7	65.7	64.7	63.0	54.4	46.7	42.1	53.6
1948	39.5	40.6	44.0	47.6	55.2	65.0	65.5	65.0	61.0	51.7	43.2	37.5	51.3
1949	29.5	40.7	46.7	52.8	58.9	62.1	66.0	66.2	63.3	48.7	49.2	40.2	52.0
1950	29.6	41.3	44.8	48.4	55.2	62.2	67.3	68.7	61.7	51.9	46.8	47.4	52.1
1951	39.8	43.1	40.9	52.5	55.8	64.0	66.7	64.7	62.7	53.1	45.2	37.5	52.2
1952	38.5	40.6	44.1	50.4	55.4	59.3	67.3	66.0	63.8	57.4	38.6	41.0	51.9
1953	46.9	43.0	44.9	49.2	54.1	57.5	64.6	65.4	62.5	54.2	47.6	42.5	52.7
1954	40.2	42.9	42.9	48.8	55.6	57.0	62.7	63.1	59.0	51.3	49.0	40.1	51.1
1955	39.1	40.0	41.4	45.2	53.0	59.9	62.5	64.5	60.4	53.2	43.0	41.1	50.3
1956	41.1	36.9	43.9	51.3	58.5	58.5	67.8	65.2	61.7	51.6	42.4	40.0	51.6
1957	32.9	42.7	46.9	51.8	58.4	61.7	64.6	63.7	65.3	53.2	42.9	43.0	52.3
1958	42.9	48.3	45.0	50.2	61.0	65.0	71.2	70.2	62.4	55.4	46.9	45.5	55.3
1959	42.8	42.9	46.0	50.8	54.0	61.6	67.9	65.4	60.2	54.3	44.2	39.6	52.5
1960	36.6	41.6	44.3	49.6	52.5	60.7	67.6	64.8	62.4	54.8	46.9	40.1	51.8
1961	43.0	46.1	46.3	49.1	54.0	63.2	67.5	69.3	58.3	52.5	41.2	41.0	52.6
1962	37.1	40.7	43.9	50.8	51.4	59.3	64.3	64.8	62.5	52.6	46.7	41.7	51.3
1963	33.7	47.7	44.4	47.0	55.2	59.1	61.9	65.3	65.7	53.7	46.1	39.9	51.6
1964	41.6	40.3	43.6	48.0	53.6	60.3	66.4	63.8	58.8	53.2	41.9	39.5	50.9
1965	40.5	43.0	46.6	50.3	52.1	58.9	67.2	66.7	59.6	55.3	47.9	37.8	52.2
1966	39.6	40.5	44.5	50.5	54.9	61.8	65.2	66.9	63.2	52.6	47.1	44.2	52.6
1967	44.1	42.6	43.1	44.6	54.3	64.1	67.6	71.6	64.9	54.3	46.4	42.0	53.3
1968	39.6	48.1	47.3	46.9	54.5	59.6	66.1	65.2	60.5	51.4	45.3	37.0	51.8
1969	33.0	40.3	46.2	49.1	58.9	65.4	64.9	63.5	61.1	49.9	44.1	41.9	51.5
1970	41.6	44.9	45.5	45.8	54.2	64.4	67.2	65.4	58.3	50.6	43.6	39.0	51.7
1971	39.1	39.4	41.9	47.1	53.3	58.2	67.3	69.1	59.1	50.6	44.5	39.5	50.8
1972	38.3	43.2	47.9	45.9	56.5	60.0	67.5	68.2	57.6	50.1	46.4	35.1	51.4
1973	38.8	43.8	44.6	49.1	55.7	61.1	67.4	63.6	62.1	51.9	44.0	43.4	52.1
1974	37.5	41.2	46.1	49.3	52.8	61.8	65.8	67.4	65.7	53.0	46.4	43.0	52.5
1975	42.6	41.9	43.5	45.3	54.2	59.8	67.0	63.0	63.5	51.6	43.9	41.9	51.5
1976	40.7	40.2	42.5	47.1	53.2	56.9	65.3	64.2	62.0	52.1	45.9	38.7	50.7
1977	37.6	44.4	44.5	50.6	51.8	61.8	64.5	70.1	58.9	52.0	44.6	43.2	52.0
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MEAN Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1978	41.4	45.3	48.1	48.9	54.8	65.2	68.8	68.3	61.0	54.1	39.4	34.7	52.5
1979	31.2	42.6	49.0	50.4	56.8	61.7	67.9	65.6	62.9	54.6	41.7	44.8	52.4
1980	35.5	43.1	44.5	50.7	53.7	57.5	65.5	62.7	62.5	53.6	47.3	42.8	51.6
1981	40.6	43.1	46.5	50.6	54.5	59.0	65.0	68.7	61.9	50.4	44.5	42.9	52.3
1982	38.5	41.6	44.5	45.8	54.7	65.1	65.6	66.4	61.4	53.3	42.3	41.1	51.7
1983	43.2	46.0	48.9	50.1	57.3	60.3	64.3	67.7	60.3	52.7	49.3	38.4	53.2
1984	43.2	44.2	48.6	47.8	52.9	57.4	65.4	66.8	61.3	51.4	44.4	37.4	51.7
1985	34.3	39.6	42.7	51.4	55.1	61.2	70.1	65.4	58.3	51.2	37.3	33.2	50.0
1986	43.2	44.3	50.1	48.4	55.2	64.2	63.5	69.8	58.9	53.6	46.6	39.6	53.1
1987	39.5	43.8	47.3	51.9	58.0	64.0	64.8	67.8	62.7	56.1	46.9	38.9	53.5
1988	39.3	43.3	45.6	51.1	53.7	60.5	66.8	65.8	62.3	56.6	46.8	40.5	52.7
1989	41.6	34.7	46.4	54.6	56.2	63.3	64.6	64.9	63.1	53.0	47.4	39.6	52.5
1990	42.8	41.3	47.8	52.7	55.2	62.3	69.6	69.1	64.9	51.2	46.9	34.4	53.2
1991	39.5	48.6	44.6	49.2	53.1	57.9	68.0	67.8	65.4	54.2	47.3	41.6	53.1
1992	44.1	47.6	50.5	53.8	60.8	65.8	68.9	68.2	62.0	55.0	46.1	39.2	55.2
1993	36.3	39.4	49.1	52.3	60.5	61.2	63.2	67.2	63.3	56.5	40.5	41.0	52.5
1994	44.3	42.9	50.2	53.2	59.2	61.7	69.1	67.0	65.2	52.6	41.7	42.2	54.1
1995	44.4	46.5	47.4	49.9	59.0	62.6	68.5	65.1	64.6	52.3	51.1	42.2	54.5
1996	41.9	42.2	47.2	51.9	53.1	60.9	70.2	67.8	60.0	52.4	45.2	42.5	52.9
1997	40.9	42.3	46.4	49.4	60.4	60.5	66.9	69.8	64.1	52.0	48.0	39.5	53.4
1998	44.0	45.5	47.3	50.4	54.6	61.3	69.6	69.0	64.5	52.4	47.7	39.9	53.9
1999	41.7	43.1	44.6	49.3	53.3	59.9	66.1	67.9	63.2	53.9	49.4	42.5	52.9
2000	40.1	43.3	44.2	51.3	55.7	63.6	66.0	65.6	62.2	53.2	41.3	40.5	52.3
2001	40.6	41.8	46.7	47.9	57.3	58.6	66.0	67.1	63.6	52.5	47.6	41.2	52.6
2002	41.1	43.2	43.7	50.4	54.0	62.0	68.8	67.4	63.2	52.1	46.4	43.1	53.0
2003	44.9	43.6	49.0	49.5	55.8	64.1	70.2	68.8	64.8	56.9	43.7	41.7	54.4
2004	39.5	43.6	49.1	52.5	56.7	63.1	70.0	70.1	60.6	54.2	43.8	42.5	53.8
2005	41.8	41.4	48.6	50.2	57.9	59.7	68.9	68.9	60.6	54.2	42.5	39.8	52.9
2006	44.4	41.4	44.5	50.9	57.1	64.3	69.8	67.4	63.4	52.0	46.9	39.6	53.5
2007	38.1	44.3	49.0	49.8	56.7	61.1	69.9	67.3	61.3	51.5	43.6	40.1	52.7
2008	37.1	43.1	43.3	46.4	57.3	59.3	68.0	67.6	63.1	51.8	47.8	37.1	51.8
2009	39.6	41.1	44.1	49.4	57.2	63.9	71.2	68.3	64.4	53.3	46.9	37.2	53.1
2010	46.2	46.3	47.2	49.7	54.4	60.0	67.5	67.4	63.7	54.5	45.4	43.9	53.8
2011	42.3	40.9	47.0	47.5	53.5	60.7	65.9	69.1	66.6	54.5	45.0	38.7	52.6
2012	42.1	42.7	43.9	51.6	55.7	59.8	66.9	69.6	64.1	55.1	47.6	42.2	53.4
2013	37.1	43.6	47.6	51.6	58.1	63.9	70.5	70.6	64.3	51.6	45.7	36.2	53.4
2014	41.3	42.3	49.1	52.9	59.8	63.2	72.5	72.5	66.3	59.5	46.1	45.0	55.9
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Average MEAN Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	44.1	48.8	51.5	50.9	60.0	69.3	73.1	71.2	63.0	59.0	44.7	44.2	56.7
2016	43.3	48.4	49.3	56.3	60.6	65.2	68.5	71.3	62.4	55.4	51.1	36.8	55.7
2017	36.3	43.0	48.0	50.5	58.3	64.4	70.1	73.0	66.3	54.0	47.7	39.6	54.3
2018	45.7	42.5	45.7	52.3	60.5	64.4	72.2	70.2	62.5	56.0	47.1	43.3	55.2
2019	42.8	38.4	46.3	52.9	58.9	63.9	68.1	69.8	62.2	49.3	44.1	42.0	53.2
2020	45.4	41.9	44.8	52.0	57.8	62.2	68.7	69.1	65.0	53.8	44.5	42.4	54.0
2021	43.4	42.1	44.5	53.3	59.4	69.5	73.3	72.3	66.0	54.0	49.8	42.1	55.8
2022	42.2	43.3	49.3	48.4	55.7	63.8	73.0	72.5	67.0	59.1	41.8	40.7	54.7
2023	42.4	40.2	43.0	49.9	61.9	64.5	71.1	73.0	64.0	55.4	45.3	44.7	54.6
2024													
2025													
2026													
2027													
2028													
2029													
normal	42.1	44.0	47.5	51.3	57.7	62.7	69.3	69.2	64.0	54.3	46.3	41.3	54.1

Normal are 1991-2020 normals

Progression of Salem's 30-Year Climatic Normals for MEAN Temperatures

30-year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1890-1920	39.4	42.2	46.7	51.4	56.4	62.2	66.8	67.1	61.4	53.9	45.2	40.7	52.9
1921-1950	38.4	42.8	46.8	51.4	57.2	62.8	67.7	67.0	62.4	54.5	45.4	41.0	53.1
1931-1960	38.5	41.9	45.3	51.1	56.3	60.6	66.1	66.1	62.5	54.1	45.2	41.5	52.4
1941-1970	38.8	42.9	45.2	49.8	55.7	61.2	66.6	66.1	61.9	53.2	45.2	40.9	52.3
1951-1980	39.3	42.7	44.8	48.9	54.8	60.9	66.3	65.9	61.6	53.0	44.7	40.7	52.0
1961-1990	39.6	42.8	45.7	49.1	54.6	61.4	66.3	66.7	61.6	52.7	45.0	40.0	52.1
1971-2000	40.3	43.0	46.5	50.0	55.6	61.2	66.8	67.0	62.2	52.9	45.2	40.2	52.6
1971-2000¹	40.3	43.0	46.5	50.1	55.6	61.3	66.8	67.1	62.3	53.0	45.2	40.2	52.7
1981-2010	41.2	43.1	46.9	50.4	56.2	61.6	67.6	67.6	62.6	53.2	45.5	40.1	53.0
1991-2020	42.1	44.0	47.5	51.3	57.7	62.7	69.3	69.2	64.0	54.3	46.3	41.3	54.1

¹Normals 1971-2000 recalculated using same methodology as that of the 1981-2010. There may or may not be much difference from the original 1971-2000 normals data set, but this process does yield more realistic normal for that period. Same process is used for subsequent normals (1981-2010 and 1991-2020).

Top 5 Warmest and Coldest Months and Years¹

Salem: 1892 through Dec 2023

	Average MAX Temp		Average MIN Temp		Average MEAN Temp							
	<i>warmest</i>	<i>coldest</i>	<i>warmest</i>	<i>coldest</i>	<i>warmest</i>	<i>coldest</i>						
January	52.5	1953	35.5	1930	41.4	1953	19.3	1930	46.9	1953	27.4	1930
	52.1	2018	36.0	1950	40.7	2010	21.2	1949	46.2	2010	29.5	1949
	52.1	2003	37.6	1937	40.6	2020	22.5	1937	45.7	2018	29.6	1950
	52.1	1934	37.7	1916	40.1	1914	23.3	1950	45.6	1934	30.1	1937
	51.8	2010	37.8	1949	39.6	2006	24.4	1979	45.4	2020	31.2	1979
	<i>normal temp 48.4</i>		<i>normal temp 35.8</i>		<i>normal temp 42.1</i>							
February	58.4	1968	42.6	1936	41.3	1926	26.0	1989	48.8	2015	34.7	1989
	57.6	1991	42.7	1956	41.0	1958	27.6	1929	48.6	1991	35.4	1936
	57.1	2015	43.5	1989	40.7	1924	28.3	1936	48.4	2016	36.0	1929
	56.7	2016	44.0	2019	40.4	2015	29.1	1920	48.3	1958	36.7	1923
	56.7	1992	44.0	1923	40.0	2016	29.4	1923	48.1	1968	36.9	1956
	<i>normal temp 52.1</i>		<i>normal temp 35.9</i>		<i>normal temp 44.0</i>							
March	64.6	1934	47.9	1917	43.4	1910	30.2	1954	52.3	1926	40.9	1951
	64.4	1926	48.8	1904	43.2	1905	31.9	1969	52.0	1934	41.4	1955
	63.9	1941	49.6	1951	43.0	1915	32.1	1985	51.9	1915	41.7	1917
	63.2	1992	50.3	1955	42.3	1914	32.3	1951	51.5	2015	41.9	1971
	62.7	2015	50.8	1897	42.1	1928	32.4	1898	51.3	1910	42.5	1976
	<i>normal temp 56.8</i>		<i>normal temp 38.3</i>		<i>normal temp 47.5</i>							
April	72.5	1926	54.2	1917	46.0	1926	33.0	1982	59.3	1926	44.6	1967
	70.7	1934	54.9	1955	44.9	1914	33.1	1967	56.3	2016	45.2	1955
	68.3	2016	55.5	1963	44.8	1915	34.5	1975	56.0	1934	45.3	1975
	68.1	1951	55.6	1893	44.3	2019	35.0	1972	55.7	1918	45.8	1982
	68.1	1918	56.0	2008	44.2	2016	35.0	1970	54.8	1915	45.8	1970
	<i>normal temp 61.6</i>		<i>normal temp 41.0</i>		<i>normal temp 51.3</i>							
May	77.0	1992	59.8	1908	49.4	2023	38.0	1920	61.9	2023	51.4	1962
	76.1	1928	60.4	1962	49.3	1910	39.4	1935	61.0	1958	51.6	1930
	75.2	1947	60.6	1933	49.1	2016	39.4	1930	61.0	1928	51.8	1977
	75.0	1958	61.7	1911	48.8	2015	39.5	1966	60.8	1992	52.1	1965
	74.8	1924	62.1	1977	48.5	2014	39.9	1970	60.6	2016	52.1	1933
	<i>normal temp 69.0</i>		<i>normal temp 46.3</i>		<i>normal temp 57.7</i>							
June	84.2	2015	67.3	1901	55.5	2021	43.4	1976	69.5	2021	56.9	1976
	83.5	2021	67.9	1980	54.5	2015	44.1	1930	69.3	2015	57.0	1954
	81.7	1922	68.0	1954	53.8	1958	44.3	1965	67.0	1926	57.4	1984
	81.4	1900	68.4	1953	53.4	2009	44.5	1984	66.2	1922	57.5	1980
	81.3	1926	68.4	1906	53.4	1969	44.7	1899	66.2	1918	57.5	1953
	<i>normal temp 74.6</i>		<i>normal temp 50.8</i>		<i>normal temp 62.7</i>							
July	88.4	2021	72.7	1909	58.3	2022	44.5	1930	73.3	2021	61.9	1963
	88.4	2015	73.7	1903	58.2	2021	45.2	1893	73.1	2015	62.0	1893
	88.4	1958	74.3	1916	57.9	2015	46.1	1920	73.0	2022	62.3	1930
	88.4	1941	74.5	1993	57.8	2014	46.7	1962	72.5	2014	62.5	1955
	88.2	2018	75.2	1963	57.6	1906	46.8	1929	72.2	2018	62.7	1954
	<i>normal temp 83.5</i>		<i>normal temp 55.1</i>		<i>normal temp 69.3</i>							

¹ Normals are the 1991-2020 climate normals.

Top 5 Warmest and Coldest Months and Years¹

Salem: 1892 through Dec 2023

	Average MAX Temp		Average MIN Temp		Average MEAN Temp							
	warmest	coldest	warmest	coldest	warmest	coldest						
August	91.1	1967	74.0	1899	58.9	2023	45.8	1893	73.0	2023	62.0	1899
	89.0	2017	74.5	1912	58.3	2021	46.3	1980	73.0	2017	62.7	1980
	87.7	2022	75.3	1954	58.3	2014	46.7	1969	72.5	2022	63.0	1975
	87.4	1958	76.0	1903	57.5	2013	46.9	1931	72.5	2014	63.1	1954
	87.3	1929	76.1	1910	57.4	2022	47.1	1970	72.3	2021	63.4	1893
	<i>normal temp 83.6</i>		<i>normal temp 54.8</i>		<i>normal temp 69.2</i>							
September	84.8	1974	65.9	1911	54.6	2013	42.8	1961	67.0	2022	56.6	1893
	82.4	1991	67.2	1893	53.5	2022	42.9	1932	66.6	2011	57.0	1895
	82.0	1943	67.5	1914	53.4	2017	43.1	1972	66.3	2017	57.2	1911
	81.9	1967	68.3	1895	53.3	2020	43.1	1934	66.3	2014	57.6	1972
	81.7	1975	69.0	1910	52.9	2021	43.2	1970	66.3	1918	57.8	1933
	<i>normal temp 77.5</i>		<i>normal temp 50.6</i>		<i>normal temp 64.0</i>							
October	72.4	1987	57.3	1893	49.9	2014	33.0	1919	59.6	1901	46.0	1919
	71.8	1952	58.5	1950	48.9	1901	36.3	1900	59.5	2014	48.3	1893
	71.5	2022	58.5	1919	48.8	2016	36.5	1930	59.1	2022	48.7	1949
	70.5	1936	59.2	1905	48.8	1907	36.7	1972	59.0	2015	49.3	2019
	70.3	1901	59.4	1949	48.3	2015	37.3	1970	57.4	1952	49.9	1969
	<i>normal temp 64.8</i>		<i>normal temp 43.9</i>		<i>normal temp 54.3</i>							
November	59.8	1917	44.5	1985	45.2	1904	28.5	1936	51.1	2016	37.3	1985
	57.8	2016	45.4	1913	45.0	1899	29.3	1952	51.1	1995	38.6	1952
	57.5	1995	45.4	1896	44.7	1995	30.1	1985	50.6	1899	39.4	1978
	57.1	1949	47.9	1952	44.5	2016	30.2	1978	50.5	1917	39.6	1896
	57.1	1923	48.3	1994	44.2	1934	30.3	1929	50.2	1904	40.5	1993
	<i>normal temp 53.6</i>		<i>normal temp 39.0</i>		<i>normal temp 46.3</i>							
December	53.5	1929	40.1	1919	43.3	1917	24.4	1985	47.9	1917	33.2	1985
	52.6	1950	40.9	1990	42.2	1950	26.4	1919	47.4	1950	33.3	1919
	52.5	1917	41.1	1913	41.2	1933	27.6	1978	46.2	1933	34.4	1990
	51.9	1958	41.4	1909	39.5	1907	27.9	1990	45.5	1958	34.7	1978
	51.8	1979	41.9	1978	39.3	2015	27.9	1972	45.1	1929	35.1	1972
	<i>normal temp 47.4</i>		<i>normal temp 35.1</i>		<i>normal temp 41.3</i>							
Annual	67.5	2015	59.9	1909	45.8	2016	37.9	1930	56.7	2015	49.7	1893
	67.2	1934	59.9	1893	45.8	2015	38.2	1985	55.9	2014	50.0	1985
	66.7	1958	60.0	1919	45.7	2014	39.0	1920	55.8	2021	50.1	1930
	66.6	1992	60.5	1903	45.5	2021	39.2	1929	55.8	1926	50.3	1955
	66.4	1926	60.7	1911	45.5	1906	39.3	1970	55.7	2016	50.7	1976
	<i>normal temp 64.4</i>		<i>normal temp 43.9</i>		<i>normal temp 54.1</i>							
Water Year Oct 1 to Sept 30	67.7	2014-5	60.4	1908-9	46.1	2014-5	39.3	1928-9	56.9	2014-5	50.6	1954-5
	67.1	1991-2	60.6	1909-10	45.8	2015-6	39.6	1970-1	56.1	2015-6	50.7	1970-1
	67.0	1933-4	60.8	1910-1	45.7	1917-8	39.6	1930-1	55.7	1925-6	50.8	1975-6
	66.4	2015-6	60.8	1902-3	45.6	1904-5	39.7	1984-5	55.5	2020-1	50.8	1961-2
	66.3	1925-6	60.9	1911-2	45.1	1925-6	39.7	1969-70	55.4	1991-2	51.0	1984-5
	<i>normal temp 64.4</i>		<i>normal temp 43.9</i>		<i>normal temp 54.1</i>							

¹Normals are the 1991-2020 climate normals.

Top 5 Warmest and Coldest Seasons¹

Salem 1892 through Dec 2023

	Average MAX Temp.				Average MIN Temp.				Average MEAN Temp.			
	warmest		coldest		warmest		coldest		warmest		coldest	
Winter Season (Dec 21- Mar 20) [91 days]	54.6	1991-92	46.6	1951-52	38.8	2015-16	31.1	1919-20	46.2	1991-92	39.4	1959-60
	52.9	1967-68	46.6	1955-56	37.9	1907-08	31.7	1959-60	45.7	2015-16	39.7	1951-52
	52.6	2015-16	46.7	1903-04	37.8	1991-92	32.5	1987-88	44.8	1967-68	39.8	1955-56
	52.2	1983-84	47.0	1959-60	37.1	1911-12	32.8	1979-80	43.9	1895-96	40.0	1919-20
	51.5	1895-96	47.0	1915-17	37.0	1903-04	32.8	1951-52	43.6	1907-08	40.5	1931-32
	<i>normal temp 50.6</i>				<i>normal temp 35.7</i>				<i>normal temp 43.2</i>			
Deep Winter (Dec 30- Feb 10) [63 days]	52.7	1933-34	39.4	1948-49	40.7	1917-18	25.0	1948-49	45.5	1933-34	32.2	1948-49
	52.1	2014-15	40.3	1968-69	39.0	2009-10	27.1	1928-29	45.5	2014-15	33.8	1928-29
	51.6	1994-95	40.6	1928-29	38.9	2014-15	27.4	1978-79	45.3	1917-18	34.1	1978-79
	51.5	2002-03	40.6	1949-50	38.4	1933-34	28.1	1949-50	44.9	2009-10	34.3	1949-50
	51.1	2017-18	40.7	1978-79	38.3	1950-51	28.2	1984-85	44.7	1994-95	34.6	1968-69
	<i>normal temp 48.3</i>				<i>normal temp 35.2</i>				<i>normal temp 41.7</i>			
Spring Season (Mar 21- June 20) [92 days]	72.0	1934	60.4	1917	47.1	2016	39.1	1976	59.3	1926	50.7	1976
	71.9	1926	61.2	2011	46.8	1926	39.1	1970	58.7	2016	51.1	1984
	71.6	1992	61.3	2008	46.7	1915	39.3	1967	57.9	1992	51.1	1955
	70.3	2016	61.6	1908	46.5	1910	39.3	1920	57.7	2015	51.4	2008
	69.8	1969	62.0	2010	46.3	1914	39.4	1954	57.7	1934	51.5	1971
	<i>normal temp 65.6</i>				<i>normal temp 44.0</i>				<i>normal temp 54.8</i>			
Summer Season (June 21- Sept 22) [94 days]	86.7	2021	73.8	1912	57.5	2021	45.6	1893	72.1	2021	61.0	1893
	86.0	2022	74.0	1903	56.6	2022	46.6	1929	71.3	2022	61.8	1954
	85.9	1967	74.9	1954	56.4	2014	47.0	1920	70.8	2014	62.5	1955
	85.6	2017	74.9	1910	56.4	2013	47.1	1930	70.5	2015	62.7	1895
	85.1	2014	75.1	1909	56.3	2015	47.4	1980	70.4	2017	63.0	1980
	<i>normal temp 81.3</i>				<i>normal temp 53.3</i>				<i>normal temp 67.3</i>			
Deep Summer (July 5 - Sept 5) [63 days]	88.3	2017	75.0	1912	57.8	2022	45.9	1893	73.0	2022	62.9	1954
	88.2	2022	75.8	1903	57.6	2014	46.5	1920	72.4	2021	62.9	1893
	87.4	1931	76.1	1954	57.5	2021	46.7	1930	72.2	2014	63.7	1899
	87.3	1967	76.2	1909	57.3	2023	47.8	1929	72.1	2017	63.9	1969
	87.3	1958	76.9	1899	56.9	1915	47.3	1969	71.6	2023	64.2	1963
	<i>normal temp 83.1</i>				<i>normal temp 54.5</i>				<i>normal temp 68.7</i>			
Autumn Season (Sept 22- Dec 21) [91 days]	62.1	1929	52.4	1919	44.6	1904	33.4	1985	52.4	1917	43.5	1985
	61.5	1917	53.4	1922	44.3	2014	33.9	1972	52.3	2014	44.2	1972
	61.5	1974	53.7	1985	44.1	2021	35.2	1970	51.6	2015	45.8	1961
	61.2	1936	53.8	1905	44.0	1907	35.3	1961	51.4	1904	45.8	1935
	61.1	1987	54.2	1984	43.4	1906	35.6	1935	51.3	2021	45.8	1922
	<i>normal temp 57.8</i>				<i>normal temp 40.3</i>				<i>normal temp 49.1</i>			
Early Autumn (Sept 15 - Oct 31) [47 days]	76.2	1952	60.0	1893	51.3	2014	38.1	1972	61.4	2014	51.0	1893
	74.8	1974	62.4	1905	49.4	1907	38.6	1919	61.0	2022	51.1	1972
	74.5	1987	62.5	2019	49.0	1914	38.9	1970	60.2	1952	51.3	1919
	73.5	1936	62.9	1911	48.9	1940	39.5	1930	59.6	2015	52.3	2019
	73.4	2022	63.0	2007	48.6	2016	39.7	1974	59.2	2003	52.9	1971
	<i>normal temp 67.9</i>				<i>normal temp 45.2</i>				<i>normal temp 56.5</i>			

¹Normal are based on the 1991-2020 data.

Top 10 Warmest & Coolest DAYS at Salem
based on daily minimum (low) temperature

	COOLEST Days (coolest high temp)						WARMEST Days (warmest high temp)					
	January		February		March		January		February		March	
	temp	date ¹	temp	date ¹	temp	date ¹	temp	date ¹	temp	date ¹	temp	date ¹
1	16	31.1950	16	3.1989	31	2.1896	68	18.1899	72	28.1968	80	15.1947
2	17	12.1909	21	3.1899	33	3.1960	68	7.1896	71	25.1991	80	29.1923
3	19	13.1909	22	3.1950	33	2.1960	67	21.1899	70	27.1986	79	29.1926
4	19	11.1909	23	2.1989	33	12.1906	66	28.2024	70	27.1968	79	14.1926
5	20	17.1950	23	4.1899	34	4.1960	65	4.1984	70	26.1968	78	28.1930
6	20	10.1909	24	4.1989	34	5.1951	64	24.2015	68	25.1992	77	19.2019
7	21	9.1909	24	2.1950	35	1.1896	64	18.2005	68	26.1991	77	27.1994
8	22	1.1979	24	17.1936	36	21.2012	64	30.1971	68	28.1990	77	17.1947
9	22	8.1909	25	1.1950	36	1.1971	64	24.1935	68	27.1990	77	30.1911
10	22	7.1909	25	2.1899	36	9.1951	64	23.1931	68	27.1932	77	9.1905
	April		May		June		April		May		June	
1	42	20.1963	48	5.1965	53	3.1908	93	28.1926	100	28.1983	117	28.2021
2	42	11.1911	48	6.1962	54	10.2008	91	28.2023	99	16.2008	113	27.2021
3	43	3.1936	48	5.1933	54	20.1991	91	27.1926	95	15.2006	105	26.2021
4	43	14.1922	48	10.1916	54	12.1943	88	18.2016	95	17.1956	105	22.1992
5	44	16.1967	48	13.1899	55	7.1999	88	29.1957	94	8.1987	103	26.2006
6	44	13.1922	49	10.2000	55	13.1980	87	7.2016	94	7.1987	102	18.1982
7	44	13.1911	49	4.1950	55	8.1954	87	26.1947	94	13.1939	102	30.1942
8	44	3.1897	50	16.1998	55	6.1954	87	14.1926	94	31.1922	101	24.2017
9	45	19.2008	50	17.1991	55	14.1952	87	13.1926	93	14.2023	101	28.2008
10	45	13.1967	50	12.1951	55	11.1952	87	11.1904	93	13.2023	100	26.2015
	July		August		September		July		August		September	
1	57	6.1909	59	24.1968	52	26.1948	108	15.1941	108	9.1981	104	2.1988
2	57	16.1904	60	16.1912	53	29.1971	108	23.1927	107	2.2017	103	5.1944
3	59	17.1996	61	13.1976	53	23.1934	107	28.2009	107	10.1981	102	1.1988
4	59	5.1909	61	28.1912	53	26.1911	107	14.1935	106	8.1981	101	2.1934
5	60	18.1987	62	28.1975	54	30.2007	107	10.1926	106	8.1978	100	4.1955
6	60	3.1980	62	28.1953	54	23.1948	106	29.2009	105	14.2023	99	7.1981
7	60	6.1923	63	31.2008	54	24.1933	106	19.1956	105	11.1992	99	4.1973
8	61	4.1928	63	25.1977	55	29.2019	106	15.1935	105	17.1977	99	7.1958
9	61	1.1912	63	16.1976	55	26.1986	105	30.2015	105	12.1977	99	6.1958
10	61	15.1904	63	30.1975	55	29.1925	105	23.2006	105	12.1920	99	10.1944
	October		November		December		October		November		December	
1	42	31.1935	25	16.1955	16	30.1968	93	2.1970	74	3.2010	72	9.1929
2	43	29.1998	26	30.1985	18	21.1990	92	15.2022	73	4.2012	71	11.1929
3	43	30.1972	26	15.1955	18	20.1990	92	1.1988	72	2.1970	70	10.1929
4	43	31.1955	26	29.1896	19	18.1924	92	2.1980	72	1.1969	68	10.1993
5	44	29.1922	27	23.1985	19	14.1919	92	3.1932	71	3.1975	68	8.1929
6	44	26.1919	28	29.1985	19	13.1919	91	9.1936	70	4.2016	66	30.1980
7	45	26.1970	28	24.1985	20	9.1972	90	10.1934	70	13.1999	65	1.2021
8	45	24.1949	28	27.1896	20	8.1972	89	1.1987	70	1.1970	65	31.1996
9	45	28.1948	29	14.1955	20	17.1964	89	5.1980	70	3.1927	65	12.1895
10	45	26.1899	29	28.1896	20	12.1919	89	2.1958	69	9.2016	64	9.1993

¹ Data for 10th may or may not be last of multiple occurrences. Date format: day.year **Data period is 1892 through Dec 2023.**

Top 10 Coldest & Mildest NIGHTS at Salem
based on daily minimum (low) temperature

	COLDEST Nights (<i>coolest low temp</i>)						MILDEST Nights (<i>warmest low temp</i>)					
	January		February		March		January		February		March	
	<i>temp</i>	<i>date</i> ¹	<i>temp</i>	<i>date</i> ¹	<i>temp</i>	<i>date</i> ¹	<i>temp</i>	<i>date</i> ¹	<i>temp</i>	<i>date</i> ¹	<i>temp</i>	<i>date</i> ¹
1	-10	31.1950	-4	3.1950	12	1.1971	57	18.2005	56	28.2022	57	11.2007
2	-5	21.1930	-4	4.1899	19	1.1960	56	31.1995	54	23.1986	54	14.1915
3	-3	30.1950	-4	3.1899	20	3.1976	54	16.2011	54	12.1924	54	2.1905
4	-2	20.1930	-3	2.1950	21	2.1971	54	7.2002	54	25.1896	53	14.2017
5	1	12.1909	-1	5.1989	21	10.1969	53	31.2020	53	19.1995	53	14.2015
6	2	25.1930	0	1.1950	22	5.1976	53	12.1991	53	28.1994	53	12.2015
7	2	11.1909	3	4.1989	22	11.1969	53	3.1984	53	24.1986	53	19.1997
8	4	22.1930	3	6.1899	22	19.1965	53	13.1973	53	27.1972	53	5.1979
9	4	9.1909	6	6.1989	22	20.1955	52	6.2022	53	18.1968	53	4.1979
10	5	24.1943	6	3.1989	22	5.1955	52	14.2011	53	3.1963	53	3.1950
	April		May		June		April		May		June	
1	23	13.1968	25	1.1954	32	3.1976	58	11.1913	62	17.2008	71	27.2015
2	24	3.1935	28	11.1985	32	6.1899	57	27.1992	62	29.1997	70	27.2021
3	26	20.1982	29	4.1982	33	4.1991	56	17.1926	61	19.2008	69	24.1926
4	26	12.1978	29	4.1962	34	5.1991	55	16.1992	61	30.1997	69	6.1926
5	26	6.1975	29	4.1952	34	5.1976	55	19.1965	61	31.1986	68	28.2021
6	26	5.1975	30	12.1985	34	2.1976	55	17.1938	60	28.1997	68	25.1925
7	26	3.1970	30	7.1984	34	1.1976	55	15.1925	60	27.1997	67	26.2021
8	26	19.1967	30	6.1984	34	1.1973	55	2.1915	59	14.1912	67	11.1911
9	26	15.1967	30	27.1966	34	2.1935	55	18.1908	58	14.2023	67	10.1911
10	26	21.1951	30	2.1952	34	18.1930	55	24.1903	58	30.1993	66	8.1948
	July		August		September		July		August		September	
1	35	5.1932	30	30.1920	26	27.1972	74	22.2006	69	15.2023	66	8.2020
2	35	3.1899	35	16.1935	26	25.1934	72	10.1926	69	13.2021	65	5.2017
3	36	30.1920	36	28.1980	28	13.1970	71	12.1926	69	12.2021	64	8.2017
4	36	25.1920	37	31.1920	28	17.1965	70	28.2009	68	9.1925	64	7.2017
5	37	2.1962	37	1.1920	29	26.1934	70	27.2009	67	17.2023	64	2.2013
6	37	4.1935	38	29.1969	31	26.1972	70	17.1941	67	11.2021	64	6.1906
7	37	3.1921	38	29.1965	31	26.1961	70	16.1941	67	2.2017	63	15.2001
8	38	6.1988	39	21.1980	31	27.1934	69	31.2021	67	11.2014	63	8.1984
9	38	18.1962	39	22.1973	32	23.2000	69	4.1926	67	16.1927	63	2.1927
10	38	3.1962	39	27.1962	32	28.1972	68	29.2009	67	26.1924	62	9.2020
	October		November		December		October		November		December	
1	19	27.1919	9	15.1955	-12	8.1972	60	22.1959	63	6.2006	58	8.2015
2	20	31.2002	11	24.1985	-6	14.1919	60	1.1915	60	12.1999	58	25.1980
3	20	28.1919	12	25.1985	-5	9.1972	60	1.1896	60	5.1934	56	5.2023
4	22	30.2002	12	14.1955	-4	7.1972	59	29.2012	58	4.2020	55	12.2010
5	23	29.1971	12	3.1935	-3	11.1972	59	28.2012	58	14.2001	55	26.1980
6	23	16.1902	12	29.1896	-2	10.1972	59	15.2012	58	14.1906	55	22.1964
7	23	14.1899	13	2.1936	-2	13.1919	59	21.2003	58	13.1906	54	4.2023
8	24	31.2019	14	1.1935	5	12.1932	59	20.2003	57	4.2012	54	9.2014
9	24	31.1995	14	28.1896	5	11.1932	59	15.1988	57	5.1958	54	10.2004
10	24	28.1971	15	14.1978	5	10.1932	59	19.1940	56	1.2018	54	2.1977

¹ Data for 10th may or may not be last of multiple occurrences. Date format: day.year **Data period is 1892 through Dec 2023.**

Top 5 Warmest and Coldest Extreme Temperature Swings

Daily Climb (same day) and Day-to-Day Change of MAX Temp

	Daily Temperature Climb <i>low to high temp</i>			Change of MAX Temperature <i>compared to previous day max T</i>	
	Average	Smallest	Largest	Largest Drop	Largest Rise
January	13°	0° 16 th / 1914 43° → 43°	38° 21 st / 1930 -5° → 33°	-20° 13 th / 2023 43° → 23°	+22° 26 th / 1976+ 31° → 53°
February	16°	1° 12 th / 2021 29° → 30°	41° 28 th / 1990 27° → 68°	-17° 14 th / 1986+ 56° → 39°	+23° 23 rd / 1957+ 33° → 56°
March	19°	2° 4 th / 1914 43° → 45°	44° 13 th / 1979 30° → 74°	-24° 11 th / 1906 64° → 40°	+23° 15 / 1974 47° → 70°
April	21°	0° 24 th / 1908 45° → 45°	48° 26 th / 1987 37° → 85°	-25° 18 th / 2020 77° → 52°	+24° 14 th / 1965 50° → 74°
May	23°	3° 8 th / 1957 53° → 56°	49° 11 th / 1971 40° → 89°	-30° 20 th / 1961 87° → 57°	+22° 29 th / 2007+ 68° → 88°
June	24°	3° 13 th / 1980 52° → 55°	52° 10 th / 1940 41° → 93°	-31° 1 st / 2001 91° → 60°	+23° 9 th / 1964 57° → 80°
July	29°	3° 30 th / 1985 59° → 62°	54° 29 th / 1929 42° → 96°	-31° 16 th / 1970 101° → 70°	+21° 4 th / 1975+ 68° → 89°
August	29°	4° 24 th / 1968 55° → 59°	53° 22 nd / 1933 44° → 97°	-29° 1 st / 1965 104° → 75°	+24° 29 th / 1991 65° → 89°
September	27°	2° 5 th / 1959 60° → 62°	55° 1 st / 1988 47° → 102°	-30° 28 th / 1949 92° → 62°	+25° 13 th / 1957 70° → 95°
October	21°	2° 31 st / 1913 49° → 51°	55° 2 nd / 1970 38° → 93°	-22° 23 rd / 1998+ 73° → 51°	+19° 22 nd / 1903 57° → 76°
November	14°	0° 12 th / 1911 38° → 38°	44° 7 th / 1936 21° → 65°	-20° 28 th / 1955+ 66° → 46°	+28° 23 rd / 1970 31° → 59°
December	12°	1° 29 th / 1910 46° → 47°	35° 11 th / 1972 -3° → 32°	-22° 12 th / 1929 71° → 49°	+25° 31 st / 1968 16° → 41°

All-Time Top 5	Daily Temperature Climb		Change of Day to Day MAX Temperature	
	Smallest	Largest	Largest Drop	Largest Rise
# 1	0° 16 Jan 1913 41° → 41°	55° 1 Sep 1988 47° → 102°	-31° 31 May-1 Jun 2001 91° → 60°	+28° 22-23 Nov 1970 31° → 59°
# 2	0° 24 Apr 1908 45° → 45°	55° 2 Oct 1970 38° → 93°	-31° 15-16 Jul 1970 101° → 70°	+25° 23-24 Dec 2022 31° → 56°
# 3	0° 18 Feb 1903 47° → 47°	54° 29 Jul 1929 42° → 96°	-30° 19-20 May 1961 87° → 57°	+25° 30-31 Dec 1968 16° → 41°
# 4	1° 12 Feb 2021 29° → 30°	53° 19 Jul 1988 50° → 103°	-30° 27-28 Sept 1949 92° → 62°	+25° 12-13 Sept 1957 70° → 95°
# 5	1° 12 Jan 2013 27° → 28°	53° also in Sep 1975 Aug 1933	-30° 18-19 Jul 1944 102° → 72°	+24° 28-29 Aug 1991 65° → 89°

! indicates multiple occurrences, with most recent listed. **Period of data: Nov 1892-Jan 2024.**

SALEM: Most Days w/Daily MAX Temperature Above/Below Normal

1892-2023	At/Above Normal					Below Normal					
	total days		consecutive days			total days		consecutive days			
January	31	1934	31	1934	<i>J 1-31</i>	30	1949	24	1969	<i>J 8-31</i>	
	30	1953	26	1953	<i>J 6-31</i>	29	1916	24	1930	<i>J 5-28</i>	
	30	1900	25	1956	<i>J 1-25</i>	28	1957	21	1916	<i>J 1-21</i>	
<i>single day departure: +23° on 18 Jan 1899</i>						<i>single day departure: -30° on 31 Jan 1950</i>					
February	28	1968	28	1947	<i>F 1-28</i>	26	2019	26	2019	<i>F 3-28</i>	
	28	1947	25	1941	<i>F 1-25</i>	26	1956	20	1936	<i>F 1-20</i>	
	27	2015	24	2015	<i>F 1-24</i>	26	1914	19	1989	<i>F 1-19</i>	
<i>single day departure: +18° on 25 Feb 1991+</i>						<i>single day departure: -33° on 3 Feb 1989</i>					
March	31	1992	31	1992	<i>M 1-31</i>	29	1917	22	1904	<i>M 9-30</i>	
	31	1941	31	1941	<i>M 1-31</i>	27	2012	20	1919	<i>M 1-20</i>	
	30	1934	27	1934	<i>M 5-31</i>	26	1955	17	1971	<i>M 1-17</i>	
<i>single day departure: +25° on 15 Mar 1947+</i>						<i>single day departure: -22° on 2 Mar 1896</i>					
April	29	1934	29	1934	<i>A 2-30</i>	28	1893	22	1917	<i>A 6-27</i>	
	28	1926	22	1989	<i>A 3-24</i>	26	2011	21	1955	<i>A 9-29</i>	
	25	1941	17	1951	<i>A 1-17</i>	26	1917	20	1972	<i>A 6-25</i>	
<i>single day departure: +28° on 28 Apr 1926+</i>						<i>single day departure: -22° on 20 Apr 1963</i>					
May	29	1900	25	1928	<i>M 3-27</i>	31	1962	31	1962	<i>M 1-31</i>	
	27	1947	20	1900	<i>M 12-31</i>	28	1977	23	1933	<i>M 1-23</i>	
	27	1928	18	1929	<i>M 7-24</i>	28	1908	21	1908	<i>M 2-22</i>	
<i>single day departure: +31° on 16 May 2008</i>						<i>single day departure: -20° on 6 May 1962</i>					
June	29	1900	27	2015	<i>J 4-30</i>	27	1980	20	1906	<i>J 3-22</i>	
	28	1922	23	1940	<i>J 8-30</i>	26	1954	18	1954	<i>J 3-20</i>	
	27	2015	20	1900	<i>J 1-20</i>	26	1953	16	1911	<i>J 15-30</i>	
<i>single day departure: +39° on 28 Jun 2021</i>						<i>single day departure: -21° on 20 Jun 1991+</i>					
July	28	1985	23	1985	<i>J 1-23</i>	28	1993	18	1993	<i>J 9-26</i>	
	28	1931	19	1900	<i>J 7-25</i>	28	1963	17	1954	<i>J 14-30</i>	
	28	1900	18	1994	<i>J 6-23</i>	28	1954	14	1915	<i>J 4-17</i>	
<i>single day departure: +28° on 10 Jul 1926</i>						<i>single day departure: -23° on 17 Jul 1996+</i>					
August	30	1900	25	1900	<i>A 1-25</i>	30	1954	30	1954	<i>A 2-31</i>	
	30	1894	24	1967	<i>A 8-31</i>	26	1957	23	1948	<i>A 2-27</i>	
	29	1917	24	1917	<i>A 8-31</i>	26	1948	23	1899	<i>A 7-29</i>	
<i>single day departure: +26° on 9 Aug 1981</i>						<i>single day departure: -22° on 2 Aug 1956</i>					
September	29	1935	20	1974	<i>S 11-30</i>	27	1911	24	1986	<i>S 7-30</i>	
	26	1943	18	1952	<i>S 13-30</i>	26	1893	22	1895	<i>S 1-22</i>	
	25	1974	18	1929	<i>S 3-20</i>	25	1933	21	1914	<i>S 1-21</i>	
<i>single day departure: +25° on 2 Sep 1988+</i>						<i>single day departure: -22° on 2 Sep 1912</i>					
October	29	1987	26	1936	<i>O 6-31</i>	28	1893	20	1971	<i>O 12-31</i>	
	28	2015	21	2018	<i>O 11-31</i>	27	1975	19	1996	<i>O 11-29</i>	
	28	1936	21	1952	<i>O 1-21</i>	27	1950	18	1951	<i>O 10-27</i>	
<i>single day departure: +27° on 15 Oct 2022</i>						<i>single day departure: -20° on 2 Oct 1950</i>					
November	30	1917	30	1917	<i>N 1-30</i>	27	1985	27	1985	<i>N 4-30</i>	
	28	2016	24	1904	<i>N 7-30</i>	27	1913	22	1913	<i>N 1-22</i>	
	27	1923	21	1995	<i>N 10-31</i>	25	1896	21	1979	<i>N 10-30</i>	
<i>single day departure: +19° on 27 Nov 1917</i>						<i>single day departure: -28° on 16 Nov 1955</i>					
December	31	1917	31	1917	<i>D 1-31</i>	27	1985	23	1985	<i>D 9-31</i>	
	29	1929	24	2014	<i>D 5-28</i>	26	1927	20	2005	<i>D 1-20</i>	
	29	1925	24	1929	<i>D 4-27</i>	25	1971	19	1965	<i>D 8-26</i>	
<i>single day departure: +25° on 11 Dec 1929+</i>						<i>single day departure: -30° on 9 Dec 1972+</i>					

Most Consecutive Days: At/Above Normal: 85 days 1917-18 27 Oct to 19 Jan
Below Normal: 38 days 1962 24 Apr to 31 May

SALEM: Most Days w/Daily MIN Temperature Above/Below Normal

1892-2023	At/Above Normal					Below Normal				
	total days		consecutive days			total days		consecutive days		
January	31	2010	31	2010	<i>J 1-31</i>	31	1949	31	1949	<i>J 1-31</i>
	30	2006	29	2018	<i>J 3-31</i>	29	1937	26	1930	<i>J 5-30</i>
	29	2018	25	1959	<i>J 7-31</i>	28	1985	16	2008	<i>J 15-30</i>
<i>single day departure: +23° on 18 Jan 2005+</i>					<i>single day departure: -44° on 31 Jan 1950</i>					
February	26	2016	26	1958	<i>F 1-26</i>	28	2023	23	1920	<i>F 7-29</i>
	26	1958	23	1983	<i>F 6-28</i>	27	1954	19	1933	<i>F 1-19</i>
	26	1926	21	2015	<i>F 1-21</i>	26	1936	19	1923	<i>F 1-19</i>
<i>single day departure: +21° on 3 Feb 1963</i>					<i>single day departure: -39° on 3 Feb 1899</i>					
March	29	1915	28	1905	<i>M 1-28</i>	27	1954	21	1943	<i>M 1-21</i>
	29	1905	24	1914	<i>M 1-24</i>	26	1936	21	1898	<i>M 8-28</i>
	28	2003	23	1915	<i>M 9-31</i>	26	1935	18	1899	<i>M 13-30</i>
<i>single day departure: +21° on 11 Mar 2007</i>					<i>single day departure: -23° on 1 Mar 1971</i>					
April	27	1994	22	1989	<i>A 4-25</i>	28	1967	25	1922	<i>A 6-30</i>
	26	2016	18	2016	<i>A 7-24</i>	28	1933	22	1933	<i>A 4-25</i>
	26	1993	18	1985	<i>A 1-18</i>	26	1972	21	1967	<i>A 10-30</i>
<i>single day departure: +18° on 27 Apr 1992+</i>					<i>single day departure: -16° on 13 Apr 1968</i>					
May	29	2016	28	2019	<i>M 4-31</i>	28	1920	20	1896	<i>M 2-21</i>
	29	1993	24	1998	<i>M 1-24</i>	26	1896	18	1965	<i>M 1-18</i>
	28	2019	23	2015	<i>M 9-31</i>	25	1935	14	1943	<i>M 7-20</i>
<i>single day departure: +18° on 17 May 2008+</i>					<i>single day departure: -18° on 1 May 1954</i>					
June	29	1969	29	1969	<i>J 1-29</i>	26	1962	16	1934	<i>J 10-25</i>
	28	1958	26	1958	<i>J 2-27</i>	26	1892	14	2008	<i>J 7-20</i>
	27	1998	21	2009	<i>J 1-21</i>	25	1930	14	1930	<i>J 12-25</i>
<i>single day departure: +21° on 6 Jun 1926</i>					<i>single day departure: -16° on 24 Jun 1935+</i>					
July	30	1998	22	1992	<i>J 10-31</i>	30	1936	23	1921	<i>J 9-31</i>
	30	1992	21	1912	<i>J 5-25</i>	30	1893	23	1893	<i>J 9-31</i>
	29	2009	20	2004	<i>J 12-31</i>	29	1930	22	1962	<i>J 1-22</i>
<i>single day departure: +21° on 22 Jul 2006</i>					<i>single day departure: -18° on 30 Jul 1920+</i>					
August	30	2014	30	1997	<i>A 2-31</i>	30	1921	19	1893	<i>A 1-19</i>
	30	1997	24	2004	<i>A 8-31</i>	30	1893	18	1936	<i>A 14-31</i>
	29	2013	24	1915	<i>A 8-31</i>	27	1929	17	1920	<i>A 15-31</i>
<i>single day departure: +15° on 26 Aug 1924</i>					<i>single day departure: -20° on 30 Aug 1920</i>					
September	28	2013	28	1917	<i>S 3-30</i>	26	1935	15	1964	<i>S 4-18</i>
	28	1995	26	2019	<i>S 1-26</i>	26	1929	14	1893	<i>S 2-15</i>
	28	1917	24	1919	<i>S 4-27</i>	25	1934	13	1936	<i>S 8-20</i>
<i>single day departure: +18° on 30 Sep 2000</i>					<i>single day departure: -21° on 25 Sep 1934</i>					
October	30	2014	30	1901	<i>O 2-31</i>	29	1919	28	1900	<i>O 1-28</i>
	30	1901	29	2014	<i>O 3-31</i>	29	1900	27	1916	<i>O 1-27</i>
	29	2022	29	2003	<i>O 1-29</i>	27	1972	19	1987	<i>O 11-29</i>
<i>single day departure: +18° on 29 Oct 2012+</i>					<i>single day departure: -22° on 27 Oct 1919</i>					
November	28	2016	22	1954	<i>N 4-26</i>	27	1929	24	1929	<i>N 3-26</i>
	27	1937	22	1937	<i>N 5-28</i>	26	1952	17	1952	<i>N 14-30</i>
	27	1934	21	1965	<i>N 1-21</i>	25	1993	17	1916	<i>N 10-26</i>
<i>single day departure: +24° on 6 Nov 2006</i>					<i>single day departure: -29° on 3 Nov 1935</i>					
December	31	1950	31	1950	<i>D 1-31</i>	27	1985	24	1985	<i>D 8-31</i>
	30	1917	28	1917	<i>D 4-31</i>	27	1909	19	1919	<i>D 2-20</i>
	27	2015	24	2015	<i>D 2-25</i>	24	1943	19	1909	<i>D 13-31</i>
<i>single day departure: +24° on 8 Dec 2015+</i>					<i>single day departure: -47° on 8 Dec 1972</i>					

Most Consecutive Days: At/Above Normal: 62 days 1917-18 20 Nov to 19 Jan
 Below Normal: 42 days 1893 9 Jul to 19 Aug

SALEM: Monthly EXTREME MAX/MIN Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo
1892	M M	59 22	72 27	78 29	87 34	95 36	86 41	M M	M M	M M	63 30	54 20	95 20
1893	M 17	57 21	63 25	67 29	79 36	87 38	94 40	93 40	94 36	65 29	61 21	60 25	94 17
1894	52 20	56 21	68 28	70 30	86 31	85 42	90 45	96 50	87 40	72 30	67 23	55 25	96 20
1895	56 22	60 24	68 22	81 30	88 32	91 40	93 44	98 43	84 35	82 30	63 23	65 29	98 22
1896	60 23	64 24	68 23	65 29	79 38	93 41	97 42	91 48	91 35	78 35	60 12	63 32	97 12
1897	68 24	M 28	59 24	84 34	93 36	83 38	87 43	95 46	83 39	81 32	65 31	58 25	95 24
1898	58 25	67 28	63 24	71 29	85 36	89 40	96 45	98 46	91 40	70 34	60 28	56 16	98 16
1899	52 26	64 -4	68 25	75 28	74 34	84 32	96 35	88 40	89 40	73 23	66 35	60 27	96 -4
1900	68 23	60 21	76 30	84 29	81 36	92 42	98 45	92 40	M M	M 31	M 20	M 25	98 20
1901	60 M	M M	M M	M M	85 40	86 43	M M	M M	84 38	89 44	M M	56 25	98 25
1902	M 12	67 30	61 30	71 31	87 37	91 44	M M	M M	90 32	86 23	60 20	56 19	91 12
1903	62 29	60 23	67 29	69 31	80 38	98 43	87 48	87 46	85 35	76 33	63 33	55 27	98 23
1904	57 30	55 30	58 29	87 33	82 38	90 43	96 44	95 48	90 40	80 40	62 36	56 28	96 28
1905	57 22	68 18	77 27	80 35	82 38	80 45	100 50	93 44	89 45	68 30	65 29	55 27	100 18
1906	56 30	61 28	67 24	85 31	86 42	86 44	100 51	92 46	84 42	80 33	64 27	58 28	100 24
1907	56 12	60 32	66 31	75 34	86 36	92 44	102 50	87 43	93 42	79 38	69 32	57 32	102 12
1908	52 26	57 25	67 30	78 34	73 36	89 43	95 50	93 42	86 34	81 35	65 30	53 23	95 23
1909	52 1	56 33	67 32	73 35	81 35	88 42	85 46	91 45	91 41	75 38	61 26	55 21	91 1
1910	55 19	53 22	70 31	84 34	85 42	87 42	95 50	88 46	86 41	72 35	65 31	56 30	95 19
1911	54 19	53 27	77 30	76 30	85 40	86 43	99 45	89 50	84 40	69 32	63 27	53 29	99 19
1912	51 22	57 29	66 28	66 33	90 41	93 45	94 49	88 49	81 42	74 33	60 31	53 27	94 22
1913	56 22	63 26	65 25	76 33	85 39	89 45	95 42	94 49	M 38	78 35	53 30	51 30	95 22
1914	53 33	52 26	67 37	76 34	87 37	89 42	96 49	93 45	79 45	69 39	64 30	50 18	96 18
1915	64 25	55 28	76 35	78 38	78 34	93 44	94 52	94 52	86 40	74 35	60 33	56 25	94 25
1916	51 16	62 25	65 32	70 37	77 35	91 39	85 48	93 47	84 44	74 32	58 24	49 23	93 16
1917	52 21	58 24	57 27	67 34	72 38	86 43	95 47	94 50	85 46	80 30	67 32	62 36	95 21
1918	55 23	52 29	67 32	81 30	77 37	91 44	91 46	95 49	93 40	75 37	59 30	60 25	95 23
1919	62 20	53 28	70 27	71 34	79 36	82 42	95 48	96 50	86 39	77 19	64 M	58 -6	96 -6
1920	60 19	60 21	64 23	78 30	85 31	92 36	100 36	105 30	91 M	75 27	66 23	58 26	105 19
1921	63 22	64 27	70 30	75 27	84 33	86 43	95 37	95 40	83 32	84 36	67 32	61 19	95 19
1922	56 15	59 17	64 26	76 33	94 34	93 44	100 46	93 48	96 44	76 36	57 28	62 15	100 15
1923	55 24	61 19	80 25	82 35	86 34	95 44	94 50	97 49	97 42	88 34	68 31	54 20	97 19
1924	57 5	64 28	64 31	83 31	90 37	98 45	99 40	93 42	96 38	75 34	59 29	63 5	99 5
1925	62 28	59 32	66 31	81 35	87 38	100 44	94 49	97 43	90 42	77 34	59 28	64 28	100 28
1926	60 24	62 32	79 33	93 37	86 37	100 43	107 47	94 48	89 35	78 33	67 33	62 20	107 20
1927	60 23	57 25	67 31	82 32	86 39	91 42	108 49	98 46	86 42	75 32	70 33	57 17	108 11
1928	57 17	60 27	73 31	76 34	93 35	82 44	103 48	93 41	94 34	79 27	63 27	60 22	103 17
1929	60 14	54 13	66 26	74 28	80 35	89 36	96 41	98 39	93 33	83 28	69 22	72 25	98 13
1930	50 -5	64 26	78 26	74 32	76 31	90 34	95 38	96 40	96 35	71 29	68 21	64 18	96 -5
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year

SALEM: Monthly EXTREME MAX/MIN Temperatures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo	Hi Lo
1971	64 16	63 15	62 12	75 27	89 32	88 41	97 40	101 45	85 36	84 23	58 24	54 22	101 12
1972	55 13	61 17	73 27	73 27	89 31	87 40	98 40	104 40	98 26	80 26	63 26	62 -12	104 -12
1973	60 19	66 24	66 27	71 27	90 33	91 34	101 40	91 39	99 37	70 32	61 24	57 26	101 19
1974	59 6	54 25	70 23	70 31	78 32	94 37	98 44	96 42	98 35	84 28	63 29	60 25	98 6
1975	61 21	63 22	61 23	69 26	85 33	89 36	97 44	89 40	94 38	82 34	71 25	59 20	97 20
1976	58 21	64 17	66 20	79 28	82 32	89 32	93 39	89 43	88 38	87 29	67 21	60 21	93 17
1977	62 13	67 20	64 27	76 27	74 31	90 36	95 41	105 47	88 38	71 30	63 15	60 24	105 13
1978	55 25	60 24	72 24	75 26	85 34	95 44	102 45	106 45	81 39	82 26	63 15	54 10	106 10
1979	53 10	58 10	74 30	78 32	85 34	92 35	103 42	89 43	94 41	86 32	63 23	61 26	103 10
1980	57 8	59 22	63 29	78 27	75 32	79 39	101 43	94 36	94 38	92 28	65 24	66 19	101 8
1981	55 23	65 22	66 24	80 28	81 34	85 38	98 41	108 41	99 39	74 28	65 17	60 25	108 17
1982	55 15	63 14	66 24	80 26	89 29	102 41	89 41	97 44	93 36	79 27	59 23	59 18	102 14
1983	58 21	60 23	63 30	75 27	100 34	87 40	93 40	93 45	85 33	74 31	64 33	55 11	100 11
1984	65 15	64 24	67 26	77 28	85 30	85 36	97 39	95 44	87 35	85 31	60 28	52 13	97 13
1985	54 20	62 11	61 23	76 30	85 28	96 37	101 44	94 41	88 34	81 25	66 11	52 15	101 11
1986	63 24	70 22	70 31	78 28	91 33	93 40	90 42	98 46	93 37	78 32	63 29	57 22	98 22
1987	56 19	60 23	72 27	85 30	94 33	98 41	97 42	100 44	95 39	89 32	64 28	59 20	100 19
1988	60 19	67 19	70 24	79 28	89 35	90 38	103 38	102 41	104 34	92 27	65 30	60 20	104 19
1989	60 24	57 -1	64 29	80 34	81 34	96 42	87 44	91 45	95 37	77 29	66 28	61 23	96 -1
1990	61 22	68 18	72 27	81 30	86 31	97 43	100 44	101 42	95 43	74 30	66 28	59 7	101 7
1991	61 18	71 29	69 29	74 29	74 32	84 33	98 44	93 42	95 37	87 27	64 27	54 27	98 18
1992	63 22	68 28	70 30	79 31	92 33	105 38	100 49	105 44	88 39	76 30	61 25	51 19	105 19
1993	63 13	63 20	66 32	68 30	89 39	88 42	88 42	100 42	94 35	85 36	65 18	68 22	100 13
1994	60 24	62 21	77 30	78 33	87 36	88 39	103 42	91 46	95 43	76 32	56 24	63 25	103 21
1995	62 29	67 18	75 25	77 32	90 37	98 38	101 46	94 45	89 43	73 24	67 25	61 22	101 18
1996	58 19	64 15	69 25	78 33	78 31	87 42	99 42	99 45	85 39	81 32	62 27	65 23	99 15
1997	58 19	63 24	72 29	73 29	91 35	82 44	90 47	96 50	93 45	69 34	63 31	54 26	96 19
1998	57 26	67 29	68 26	83 32	84 38	83 44	101 49	96 47	96 42	76 34	64 32	61 12	101 12
1999	57 26	56 27	69 27	81 29	89 34	85 40	92 45	90 48	95 35	77 31	70 33	56 23	95 23
2000	54 24	61 27	69 29	76 30	78 33	99 42	94 46	90 45	89 32	80 32	58 20	57 25	99 20
2001	57 22	61 22	72 29	80 28	93 35	87 38	91 45	96 47	87 40	86 34	68 28	56 22	96 22
2002	60 28	65 24	62 23	75 31	82 31	93 42	97 48	104 46	89 42	83 20	63 20	60 26	104 20
2003	61 24	59 26	74 29	68 34	85 34	97 43	101 46	92 48	98 43	80 29	61 22	56 20	101 20
2004	55 19	60 26	76 30	84 31	79 37	93 41	104 46	99 51	81 41	79 36	59 26	59 29	104 19
2005	64 20	66 22	73 29	76 33	91 38	83 42	98 48	97 47	88 37	70 34	59 25	60 17	98 17
2006	56 33	62 18	63 27	81 32	95 35	103 45	105 47	95 46	96 40	77 26	69 26	58 22	105 18
2007	56 18	62 22	72 28	77 29	88 35	87 40	103 49	95 47	95 39	73 28	60 23	61 23	103 18
2008	53 19	62 28	63 27	80 27	99 36	101 38	96 47	100 43	90 42	75 31	63 30	57 14	101 14
2009	55 23	58 24	60 27	81 27	89 37	88 45	107 47	99 47	94 43	76 34	63 32	60 10	107 10
2010	58 34	63 25	69 30	72 33	77 36	84 43	98 46	101 46	90 42	81 35	74 19	61 27	101 19
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year

SALEM: Monthly EXTREME MAX/MIN Temperatures

	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Year		
	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	
2011	59	21	58	17	64	32	69	30	74	34	85	41	90	46	96	49	95	43	75	30	60	27	57	23	96	17	
2012	60	24	61	27	65	25	82	31	87	32	86	38	90	46	103	45	95	42	84	35	73	27	58	26	103	24	
2013	55	20	59	29	75	27	81	32	87	35	96	42	95	48	95	50	96	45	75	30	60	24	56	8	96	8	
2014	58	22	61	20	70	30	86	35	91	38	87	43	99	52	98	49	97	47	87	43	64	21	63	22	99	20	
2015	64	23	66	28	72	26	80	33	87	38	100	46	105	50	100	51	92	40	85	38	64	20	62	25	105	20	
2016	62	24	65	31	74	31	88	35	88	41	99	44	97	50	104	51	90	41	71	38	70	37	52	16	104	16	
2017	56	14	60	29	64	32	69	31	91	37	101	44	95	50	107	49	98	42	75	32	64	30	58	22	107	14	
2018	63	27	61	21	72	28	84	30	89	39	92	43	99	46	96	47	89	42	83	35	67	27	58	25	99	21	
2019	60	25	54	24	77	25	78	32	87	36	97	44	93	48	100	50	91	36	71	24	63	20	59	25	100	20	
2020	61	26	61	25	65	28	77	31	90	36	91	42	100	50	100	46	96	46	79	27	68	24	60	24	100	24	
2021	59	26	57	26	67	28	85	29	90	36	117	42	100	52	103	46	91	45	73	35	66	30	65	26	117	26	
2022	60	23	67	21	69	25	78	30	77	36	99	45	103	51	100	51	93	45	92	37	60	23	60	22	103	21	
2023	61	21	56	20	66	29	91	34	93	43	91	42	98	51	105	50	92	44	87	29	66	23	63	29	105	20	
2024																											
2025																											
2026																											
2027																											
2028																											
2029																											
2030																											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year														
Ext Max T	68°	72°	80°	93°	100°	117°	108°	108°	104°	93°	74°	72°	117°														
Ext Min T	-10°	-4°	12°	23°	25°	32°	35°	35°	26°	19°	9°	-12°	-12°														

Largest Temperature Range between Extremes in a Month

actual temperatures on bottom row: July 1935 extremes ranged from 37° to 107°

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1950	1899	1923	1968	1983	2021	1935	1920	1934	1970	1955	1972	1972
65°	68°	55°	61°	66°	75°	70°	75°	75°	69°	57°	74°	116°
-10, 55	-4, 64	25, 80	23, 84	34, 100	42, 117	37, 107	30, 105	26, 101	28, 89	9, 66	-12, 62	-12, 104

Top 5 Largest Temperature Range of the Extremes for Calendar Year

1. 116° in 1972 *from -12° to 104°*
2. 108° in 1950 *from -10° to 98°*
3. 102° in 1919 *from -6° to 96°*
4. 101° in 1930 *from -5° to 96°*
5. 100° in 1899 *from -4° to 96°*

SALEM's FIRST/LAST of Year for MAXIMUM Temperature of...

format: date of occurrence (*month.day*), followed by that day's maximum temperature

	at least 70 deg.				at least 80 deg.				at least 90 deg.				at least 100 deg.			
	<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>	
	<i>Some data not available (n/a) due to no data. Two dashes (--) means that temperature did not occur.</i>															
1892	3.10	72	n/a		5.19	85	n/a		6.26	93	n/a		--		--	
1893	5.06	73	9.24	75	6.04	87	9.01	94	7.31	94	9.01	94	--		--	
1894	4.09	70	10.15	71	5.23	86	9.10	87	7.18	90	8.27	91	--		--	
1895	4.21	78	10.18	76	4.22	80	10.15	81	6.26	91	8.05	98	--		--	
1896	5.21	74	10.20	71	6.24	84	9.19	85	6.25	93	9.04	91	--		--	
1897	4.09	74	10.06	78	4.15	82	10.05	81	5.28	93	8.20	91	--		--	
1898	4.24	71	10.13	70	5.25	85	9.18	82	7.27	90	9.07	90	--		--	
1899	4.07	70	10.06	70	6.08	80	9.27	80	7.25	93	7.28	95	--		--	
1900	3.13	73	n/a		4.29	84	n/a		6.07	90	8.15	92	--		--	
1901	5.11	72	10.27	70	5.26	85	10.15	89	n/a		8.23	94	--		--	
1902	4.15	71	10.12	73	5.25	81	10.05	82	6.20	91	9.10	90	--		--	
1903	5.02	75	10.22	76	5.30	80	9.27	80	6.06	91	6.08	91	--		--	
1904	4.08	71	10.25	72	4.11	87	10.01	80	6.28	90	9.03	90	--		--	
1905	3.01	70	9.23	77	4.80	80	9.21	80	7.08	100	8.08	92	7.08	100	7.08	100
1906	4.04	74	10.10	73	4.20	85	10.08	80	7.03	99	8.29	90	7.12	100	7.12	100
1907	4.20	72	10.12	71	5.15	80	9.22	81	6.26	92	9.10	90	7.30	102	7.31	100
1908	4.11	70	10.08	79	6.07	80	10.07	81	7.07	91	8.19	92	--		--	
1909	4.07	73	10.12	71	5.02	81	9.23	82	8.18	90	9.05	91	--		--	
1910	3.12	70	10.19	70	4.22	80	9.03	80	7.08	92	7.19	93	--		--	
1911	3.29	71	9.18	75	5.29	81	9.02	80	7.12	92	7.24	98	--		--	
1912	5.06	72	10.12	74	5.07	80	9.20	80	5.13	90	7.17	93	--		--	
1913	4.17	76	10.02	72	5.31	85	n/a		7.18	95	8.23	90	--		--	
1914	4.30	76	9.29	71	5.13	82	8.24	85	7.17	95	8.13	93	--		--	
1915	3.20	75	10.17	71	6.05	83	9.20	81	6.30	93	8.29	90	--		--	
1916	4.30	70	10.17	70	6.12	85	9.16	80	6.16	91	8.25	92	--		--	
1917	5.27	72	10.14	72	6.13	86	10.07	80	7.13	90	8.27	90	--		--	
1918	4.01	75	10.12	75	4.19	81	9.29	82	6.30	91	9.28	90	--		--	
1919	3.30	70	10.08	74	6.05	82	9.26	82	7.09	90	8.20	90	--		--	
1920	4.26	71	10.06	73	5.07	83	9.29	85	6.04	90	8.01	91	7.08	100	8.13	103
1921	3.28	70	10.13	72	5.13	80	10.08	82	7.07	91	8.11	91	--		--	
1922	4.25	76	10.09	70	5.14	81	9.25	81	5.16	90	9.12	91	7.02	100	7.02	100
1923	3.27	73	10.19	70	3.29	80	10.01	88	6.28	95	9.07	97	--		--	
1924	4.01	74	10.22	71	4.26	83	9.28	83	5.31	90	9.12	96	--		--	
1925	4.08	76	10.25	70	4.28	81	9.23	90	6.20	91	9.23	90	6.24	100	6.24	100
1926	3.13	73	10.29	70	4.09	81	9.13	80	4.27	91	8.24	94	6.24	100	7.10	107
1927	4.21	71	11.03	70	4.24	82	9.18	86	6.20	91	8.18	94	7.22	100	7.23	108
1928	3.18	73	10.18	74	5.10	84	9.23	94	5.20	91	9.23	94	7.22	102	7.24	102
1929	4.20	70	12.09	72	5.11	80	10.23	82	7.12	90	9.17	90	--		--	
1930	3.26	71	10.07	71	6.07	82	9.22	80	6.16	90	9.03	96	--		--	

SALEM'S FIRST/LAST of Year for MAXIMUM Temperature of...

	at least 70 deg.				at least 80 deg.				at least 90 deg.				at least 100 deg.			
	<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>	
1931	4.21	74	10.30	71	4.27	80	9.06	80	5.30	90	9.05	91	7.20	101	8.29	101
1932	4.10	71	10.20	75	6.09	89	10.05	86	6.10	93	10.03	92	8.04	102	8.05	101
1933	4.02	70	10.26	70	6.11	81	10.07	80	7.14	92	8.26	93	8.15	101	8.15	101
1834	3.09	75	10.25	70	4.11	81	10.10	90	6.10	90	10.10	90	9.02	101	9.02	101
1935	4.12	71	10.09	77	5.20	82	10.02	83	6.05	91	9.29	91	7.13	100	8.28	100
1936	4.10	74	10.18	73	4.15	81	10.17	84	7.19	92	10.09	91	--		--	
1937	3.12	72	10.27	70	5.06	85	9.24	80	6.01	90	9.14	98	--		--	
1938	3.11	72	10.22	73	5.20	81	9.26	85	6.06	92	9.17	91	7.13	100	7.21	105
1939	3.18	74	10.20	70	4.16	80	9.26	82	5.13	94	9.21	90	7.22	101	8.02	102
1940	3.21	70	10.19	81	4.12	81	10.19	81	6.10	93	8.29	94	8.17	102	8.17	102
1941	3.10	70	10.24	73	4.25	82	9.24	81	6.11	95	8.19	96	7.13	103	7.16	103
1942	3.30	72	10.22	75	6.13	82	10.09	80	6.29	90	9.24	90	6.30	102	8.22	100
1943	4.11	80	10.14	71	4.11	80	10.08	80	7.19	92	9.24	92	--		--	
1944	4.01	74	10.28	70	5.03	85	10.06	80	6.28	90	9.10	99	7.18	102	9.05	103
1945	4.18	72	10.15	72	5.01	80	10.08	82	6.17	92	9.12	93	7.07	100	8.05	102
1946	4.17	77	10.11	73	5.01	83	9.24	83	6.19	93	9.09	92	7.19	101	7.20	105
1947	3.14	76	10.12	71	3.15	80	9.24	89	5.23	93	9.23	92	--		--	
1948	5.15	70	10.18	71	5.23	80	9.13	80	6.06	93	9.12	92	--		--	
1949	4.04	77	10.30	72	4.14	80	9.27	92	6.05	92	9.27	92	--		--	
1950	4.18	71	10.12	72	5.11	82	9.23	80	6.03	94	9.21	92	--		--	
1951	4.02	71	10.09	75	4.11	83	10.08	80	6.25	90	9.17	92	--		--	
1952	4.04	73	10.19	75	5.16	86	10.14	80	7.07	94	9.22	93	7.08	101	8.03	102
1953	3.08	75	10.08	74	5.04	85	10.05	80	7.06	92	9.04	92	--		--	
1954	4.11	73	10.31	75	5.06	80	9.25	84	--	--	--	--	--		--	
1955	4.06	73	10.24	70	6.06	81	9.12	80	6.08	98	9.05	97	9.04	100	9.04	100
1956	4.09	72	10.09	70	4.19	80	10.06	83	5.17	95	9.05	90	7.08	102	7.19	106
1957	4.09	73	10.11	72	4.28	85	9.30	80	7.19	90	9.23	91	--		--	
1958	4.11	70	10.15	75	5.14	82	10.05	80	5.21	90	9.07	99	7.27	104	7.27	104
1959	4.08	76	10.23	70	5.12	85	9.10	86	7.08	91	9.02	91	7.19	100	7.19	100
1960	4.04	74	10.22	71	6.01	80	10.17	80	7.05	99	9.11	90	7.06	101	8.08	104
1961	4.01	70	10.18	73	5.18	82	10.15	80	6.14	92	9.13	91	7.11	103	8.10	100
1962	4.12	76	10.02	72	6.07	81	9.24	82	7.21	92	9.17	95	--		--	
1963	5.14	71	10.15	70	5.17	83	9.27	87	5.20	92	9.09	95	--		--	
1964	3.29	71	10.23	70	5.26	81	10.05	85	7.11	97	8.24	94	--		--	
1965	3.10	71	10.25	70	6.02	83	10.02	82	6.30	91	9.24	90	7.30	103	7.31	104
1966	3.25	71	10.23	72	5.03	81	10.04	83	6.15	100	9.04	89	6.15	100	6.15	100
1967	5.05	70	10.11	70	5.16	84	9.28	85	6.16	90	9.27	93	7.01	101	8.09	102
1968	2.26	70	10.28	70	4.28	84	9.29	83	6.25	93	9.05	93	--		--	
1969	3.20	70	10.06	74	5.06	81	9.12	82	6.03	92	9.10	92	6.17	100	6.17	100
1970	5.02	74	11.02	72	5.15	84	10.03	82	6.01	96	10.02	93	7.14	100	7.15	101
	<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>	

SALEM's FIRST/LAST of Year for MAXIMUM Temperature of...

	at least 70 deg.				at least 80 deg.				at least 90 deg.				at least 100 deg.			
	<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>	
1971	4.04	70	10.09	80	5.07	80	10.09	80	7.15	91	8.12	94	8.09	100	8.11	101
1972	3.15	71	10.17	71	5.12	83	10.07	80	7.02	92	9.03	91	8.06	102	8.07	104
1973	4.04	70	10.15	70	5.12	83	9.27	81	5.13	90	9.10	96	7.14	101	7.14	101
1974	3.15	70	10.24	73	6.01	82	10.17	80	6.17	91	9.24	98	--		--	
1975	3.08	71	11.03	71	3.29	81	10.01	82	7.23	93	9.30	90	--		--	
1976	4.27	71	10.19	72	5.09	82	10.07	87	7.15	92	7.28	93	--		--	
1977	4.04	70	10.24	70	6.05	85	9.13	85	6.30	90	8.17	105	8.09	100	8.17	105
1978	3.17	72	10.19	72	5.18	80	10.05	82	6.04	93	8.09	100	7.21	100	8.09	100
1979	3.09	71	10.11	73	5.20	80	10.09	84	6.01	90	9.14	91	7.15	100	7.17	102
1980	4.11	72	10.10	70	7.01	83	10.07	83	7.21	101	10.02	82	7.21	101	7.21	101
1981	4.14	73	10.22	70	4.29	80	9.18	81	7.02	91	9.15	96	8.07	104	8.10	107
1982	4.20	73	10.25	70	4.22	80	9.23	82	6.09	90	9.02	93	6.18	102	6.18	102
1983	4.15	72	10.12	71	5.20	80	9.22	81	5.28	100	8.14	90	5.28	100	5.28	100
1984	4.14	77	10.09	72	5.28	85	10.07	85	7.15	93	8.26	94	--		--	
1985	4.06	76	10.14	70	5.15	81	10.04	81	6.17	95	8.26	92	7.19	101	7.19	101
1986	2.27	70	10.15	70	5.24	81	9.06	90	5.30	91	9.06	90	--		--	
1987	3.30	71	10.28	74	4.26	85	10.11	82	5.06	90	9.22	93	8.31	100	8.31	100
1988	3.19	70	10.30	73	5.11	83	10.01	92	6.14	90	10.01	92	7.19	103	9.02	104
1989	4.05	70	10.17	73	4.29	80	9.28	90	6.04	90	9.28	90	--		--	
1990	3.28	72	10.04	74	4.15	81	9.28	82	6.21	97	9.22	95	7.21	100	8.11	101
1991	2.25	71	10.20	73	6.09	83	10.15	85	7.02	95	9.25	94	--		--	
1992	3.21	70	10.23	75	5.03	86	9.30	80	5.24	92	8.27	90	6.22	105	8.13	100
1993	5.02	70	10.30	72	5.10	82	10.09	80	8.01	93	9.26	90	8.03	100	8.03	100
1994	3.13	70	10.09	76	5.05	81	9.27	85	7.07	93	9.22	95	7.19	100	7.22	100
1995	3.28	71	10.19	71	5.14	81	9.23	80	5.29	90	8.20	90	7.17	101	7.17	101
1996	4.05	73	10.09	81	6.01	80	10.09	81	7.07	94	8.29	91	--		--	
1997	3.25	72	9.29	74	5.10	83	9.24	88	5.11	91	9.08	93	--		--	
1998	4.20	71	10.22	73	4.29	83	9.27	82	7.16	95	9.03	93	7.26	100	7.27	101
1999	4.14	70	11.13	70	4.15	81	9.29	80	7.09	91	9.20	91	--		--	
2000	4.01	74	10.17	71	6.03	84	10.06	80	6.26	92	8.22	90	--		--	
2001	3.06	72	10.15	72	4.25	80	10.04	86	5.22	93	8.12	94	--		--	
2002	4.24	70	10.23	70	5.12	82	10.16	83	6.12	93	8.28	97	8.13	104	8.13	104
2003	3.30	74	10.28	71	5.23	85	10.21	80	6.04	90	9.27	98	7.29	101	7.29	101
2004	3.21	70	10.14	77	4.10	80	9.27	81	6.17	93	8.31	91	7.23	104	7.23	104
2005	3.07	70	10.17	70	5.25	86	9.08	86	5.26	91	8.25	92	--		--	
2006	4.19	70	10.22	70	4.28	81	9.29	83	5.15	95	9.02	93	6.25	100	7.24	101
2007	3.11	72	10.23	73	5.29	88	9.11	90	7.04	92	9.11	90	7.10	103	7.10	103
2008	4.12	80	10.26	75	4.12	80	9.29	89	5.16	99	9.14	90	6.28	101	8.15	100
2009	4.05	72	10.16	76	4.20	81	9.27	83	7.01	90	9.22	93	7.27	103	7.29	106
2010	4.18	72	11.03	74	6.12	82	10.06	81	7.07	98	9.03	90	8.14	101	8.14	101
	<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>	

SALEM'S FIRST/LAST of Year for MAXIMUM Temperature of...

	at least 70 deg.				at least 80 deg.				at least 90 deg.				at least 100 deg.			
	<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>	
2011	5.04	71	10.18	75	6.04	85	9.29	82	7.06	90	9.11	92	--	--	--	--
2012	4.08	70	11.04	73	4.22	80	10.01	84	7.08	90	9.13	91	8.04	103	8.04	103
2013	3.30	75	10.23	71	4.26	81	9.19	80	6.28	91	9.11	96	--	--	--	--
2014	3.24	70	10.19	75	4.30	86	10.07	84	5.14	91	9.20	95	--	--	--	--
2015	3.09	71	10.18	72	4.27	80	10.15	82	6.06	91	9.12	90	6.26	100	8.01	100
2016	3.30	72	11.04	70	4.07	87	9.26	90	6.04	99	9.26	90	8.18	102	8.20	101
2017	5.03	81	10.28	71	5.03	81	9.28	86	5.22	91	9.12	91	6.24	101	8.03	103
2018	3.18	72	10.20	72	4.24	84	10.16	83	6.17	91	8.28	90	--	--	--	--
2019	3.17	71	10.07	71	5.06	82	9.12	82	6.11	96	9.05	91	8.27	100	8.27	100
2020	4.08	70	10.16	71	5.08	83	9.29	85	5.28	90	9.03	96	7.26	100	8.15	100
2021	4.01	70	10.28	71	4.16	82	9.25	83	5.31	90	9.24	91	6.26	105	8.12	103
2022	4.07	78	10.20	72	6.01	80	10.15	92	6.25	95	10.15	92	7.11	100	8.07	100
2023	4.22	70	10.15	70	4.28	91	10.08	80	4.28	91	09.15	92	8.13	103	8.16	104
2024																
2025																
2026																
2027																
2028																
2029																
2030																
	<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>		<i>first</i>		<i>last</i>	

First	Occurrence of Spring/Summer		
	Average ¹	Earliest	Latest
Temp ≥ 70° F	31 Mar	25 Feb 1991	27 May 1917
Temp ≥ 80° F	6 May	15 Mar 1947	1 Jul 1980
Temp ≥ 90° F	15 Jun	27 Apr 1926	18 Aug 1909
Temp ≥ 100° F	21 Jul	28 May 1983	4 Sep 1955

note: 1954 is the only year when temperature failed to reach 90°F

Last	Occurrence of Summer/Autumn		
	Average ¹	Earliest	Latest
Temp ≥ 100° F	3 Aug	28 May 1983	5 Sep 1944
Temp ≥ 90° F	8 Sept	8 Jun 1903	15 Oct 2022
Temp ≥ 80° F	1 Oct	1 Sep 1893	23 Oct 1929
Temp ≥ 70° F	21 Oct	18 Sep 1911	11 Dec 1929

¹Average is based on 1991-2020 data.

HEATING DEGREE DAYS

What are Heating Degree Days? Heating Degree Day (HDD) units are used by utility companies and other institutions for determining energy consumption. The heating season is July 1st to June 30th.

How are Heating Degree Days calculated? Calculate the mean temperature for the day (*maximum and minimum added, then divide by 2*), then subtract this mean from 65 (*baseline value*). All negative values are recorded as a zero. Monthly and seasonal values are sums of the daily values for that period.

Example: Max Temp: 57 mean temp = $(57 + 35) \div 2 = 46$
 Min Temp: 35 so, HDD for the day = $65 - 46 = \mathbf{19 \text{ units}}$

Season	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	$\Delta \text{ norm}^1$
1897-98	61	19	182	392	568	676	791	548	673	394	272	103	4679	106
1898-99	44	23	126	412	606	838	633	703	620	496	365	169	5035	493
1899-00	54	112	101	456	425	667	661	615	450	425	194	31	4191	-371
1900-01	9	14	M	280	M	M	M	M	M	M	263	198	764	-
1901-02	M	23	158	170	M	755	794	520	614	459	281	136	3910	-
1902-03	M	M	185	347	624	727	668	687	601	463	287	98	4687	148
1903-04	66	37	113	340	572	725	708	677	655	339	226	115	4573	8
1904-05	49	32	100	298	438	681	752	623	430	310	284	122	4119	-443
1905-06	12	41	105	441	648	753	659	568	609	303	259	167	4565	3
1906-07	2	9	109	297	530	646	895	495	591	378	214	132	4298	-266
1907-08	10	52	105	247	498	647	703	633	578	395	387	170	4425	-136
1908-09	12	58	161	335	505	798	935	585	540	449	343	104	4825	272
1909-10	83	37	112	355	543	896	807	705	421	371	186	158	4674	109
1910-11	19	70	178	307	578	665	806	689	504	472	355	175	4818	251
1911-12	30	17	234	383	533	736	702	579	603	464	243	124	4648	95
1912-13	49	65	150	445	556	754	763	682	622	416	256	108	4866	351
1913-14	55	13	M	417	663	748	622	658	511	396	188	162	4433	-
1914-15	9	14	175	294	524	874	783	566	399	301	277	134	4350	-218
1915-16	36	1	116	260	559	693	986	527	568	376	369	159	4650	88
1916-17	59	3	89	378	687	815	736	669	719	510	332	127	5124	563
1917-18	7	2	85	304	430	523	636	646	527	275	283	44	3762	-800
1918-19	35	40	55	307	609	745	771	657	603	434	289	178	4723	161
1919-20	45	22	130	565	M	975	846	708	645	526	364	151	4977	-
1920-21	64	67	119	401	607	690	776	552	563	453	294	62	4648	77
1921-22	38	29	187	280	515	817	873	720	683	514	269	27	4952	377
1922-23	5	17	86	334	708	803	689	786	601	381	245	131	4786	225
1923-24	17	5	78	323	501	720	812	499	594	383	148	57	4137	-427
1924-25	18	15	118	313	598	893	629	521	562	347	166	111	4291	-271
1925-26	4	39	101	325	594	611	743	474	386	181	213	61	3732	-827
1926-27	2	6	153	274	483	709	724	572	576	411	329	43	4282	-259
1927-28	6	16	120	322	468	853	783	643	453	433	139	138	4374	-176
1928-29	33	31	160	342	596	828	952	805	556	521	272	127	5223	659
1929-30	29	15	116	267	656	609	1157	528	550	403	409	212	4951	384
1930-31	103	34	133	464	661	827	697	655	581	413	190	134	4892	371
1931-32	20	35	161	348	678	811	809	730	584	446	300	98	5020	504
1932-33	62	30	118	287	529	893	805	761	592	458	391	140	5066	502
1933-34	45	34	206	326	631	575	593	527	394	265	202	96	3894	-668
1934-35	41	16	167	293	438	699	742	600	674	457	319	114	4560	-5
1935-36	71	61	80	419	718	799	681	851	641	339	209	87	4956	394
1936-37	19	22	138	295	691	686	1075	650	501	441	235	94	4847	300
1937-38	28	55	134	274	477	693	790	619	602	390	258	88	4408	-154
1938-39	27	47	32	333	668	708	708	699	533	355	236	164	4510	-52
1939-40	30	27	82	324	529	620	779	561	479	372	182	78	4063	-499

Heating Degree Days

Season	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Δ norm
1940-41	11	7	64	263	639	682	707	546	421	354	266	96	4056	-506
1941-42	2	25	141	335	544	699	904	610	591	386	277	162	4676	114
1942-43	15	21	77	293	570	645	959	580	601	343	322	150	4576	14
1943-44	23	11	43	320	573	794	792	638	589	418	261	125	4587	25
1944-45	20	33	74	227	587	815	705	566	626	454	213	130	4450	-112
1945-46	22	12	151	354	572	733	758	622	580	436	197	153	4590	28
1946-47	28	15	147	454	636	718	861	542	489	343	152	130	4515	-47
1947-48	19	42	95	322	542	704	782	698	642	515	297	64	4722	160
1948-49	45	29	162	404	647	845	1094	671	555	360	196	105	5113	551
1949-50	32	24	89	495	467	763	1089	657	618	492	296	113	5135	573
1950-51	14	17	126	403	542	537	774	606	740	366	281	85	4491	-71
1951-52	20	52	96	362	585	844	816	703	640	431	295	168	5012	450
1952-53	24	42	87	232	785	736	553	607	616	467	336	215	4700	138
1953-54	52	44	94	329	514	691	761	614	678	478	287	232	4774	200
1954-55	74	65	174	415	472	767	793	692	724	586	367	171	5300	726
1955-56	96	55	172	358	652	731	736	805	647	405	213	200	5070	496
1956-57	33	47	102	407	670	765	986	618	554	393	201	103	4879	305
1957-58	39	45	47	359	657	674	680	463	614	436	142	68	4224	-350
1958-59	0	2	110	296	539	593	682	612	579	417	333	119	4282	-292
1959-60	33	31	147	320	615	782	873	673	634	457	384	135	5084	510
1960-61	32	59	106	309	538	765	675	524	570	473	334	113	4498	-76
1961-62	26	9	199	382	706	737	857	673	647	419	414	171	5240	666
1962-63	91	49	86	377	542	713	964	475	630	531	302	185	4945	191
1963-64	102	35	43	340	559	770	715	710	658	501	346	135	4914	160
1964-65	41	79	181	357	684	783	751	607	565	433	390	188	5059	305
1965-66	46	26	166	293	505	836	781	679	629	425	308	114	4808	54
1966-67	44	24	74	375	530	637	642	620	669	604	323	73	4615	-139
1967-68	11	2	47	323	549	706	778	481	541	536	318	167	4459	-295
1968-69	47	49	142	413	581	860	987	685	575	469	195	49	5052	298
1969-70	45	70	137	459	621	710	719	555	596	571	329	94	4906	152
1970-71	33	45	195	438	635	797	796	710	706	528	355	201	5439	685
1971-72	61	18	169	440	607	784	821	625	523	560	267	148	5023	269
1972-73	34	42	239	454	552	919	803	586	626	468	288	141	5152	398
1973-74	30	85	106	398	624	665	845	658	580	463	371	123	4948	96
1974-75	48	28	47	364	550	674	688	641	656	584	327	164	4771	-81
1975-76	37	84	79	409	624	708	743	709	693	529	356	243	5214	362
1976-77	43	63	98	395	565	807	842	569	629	424	400	108	4943	91
1977-78	57	23	181	392	606	670	727	547	513	476	316	51	4559	-293
1978-79	17	20	129	328	763	928	1038	619	486	430	249	121	5128	276
1979-80	24	21	76	315	691	620	905	627	627	423	344	217	4890	38
1980-81	51	82	87	357	525	682	746	610	566	426	318	176	4626	-226
1981-82	59	33	124	447	607	676	814	649	629	568	317	85	5008	156
1982-83	42	27	128	356	671	732	668	524	491	439	253	135	4466	-386
1983-84	59	3	135	376	463	821	667	597	501	511	367	231	4731	-243
1984-85	44	12	124	418	610	846	947	706	684	403	299	132	5225	251
1985-86	5	51	196	423	824	975	668	574	452	494	324	82	5068	94
1986-87	64	3	210	345	542	779	781	586	544	389	237	89	4569	-405
1987-88	54	16	92	272	536	803	788	622	595	411	346	145	4680	-294
1988-89	47	41	125	264	538	752	716	841	570	308	267	90	4559	-415
1989-90	44	39	81	367	523	779	682	658	527	363	297	103	4463	-511

Heating Degree Days

Season	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	Δ norm
1990-91	14	16	43	419	535	939	784	449	624	464	360	210	4857	-117
1991-92	10	32	61	329	524	717	641	498	443	332	152	56	3795	-1179
1992-93	12	22	108	303	558	792	881	711	486	373	150	117	4513	-414
1993-94	60	32	93	257	729	734	632	610	452	349	179	114	4241	-686
1994-95	21	7	50	379	691	699	630	514	537	443	188	118	4277	-650
1995-96	21	42	46	385	409	698	707	654	545	387	363	122	4379	-548
1996-97	24	28	152	387	588	690	739	630	568	458	160	130	4554	-373
1997-98	17	0	65	395	503	783	644	538	542	434	318	113	4352	-575
1998-99	11	9	77	384	512	770	713	606	625	461	358	170	4696	-231
1999-00	45	26	95	336	460	687	764	621	634	405	279	88	4440	-483
2000-01	35	43	111	356	708	752	748	642	559	508	248	192	4902	-25
2001-02	28	18	83	378	515	730	735	602	650	430	335	124	4628	-299
2002-03	13	28	83	393	551	670	618	593	489	456	286	89	4269	-515
2003-04	6	4	69	251	630	717	781	614	482	367	251	95	4267	-517
2004-05	10	4	127	325	629	689	709	658	499	437	229	160	4476	-308
2005-06	12	7	141	329	672	772	630	651	627	411	254	76	4582	-202
2006-07	18	23	84	395	537	780	827	573	488	449	259	132	4565	-219
2007-08	1	11	134	409	633	764	857	628	664	550	275	205	5131	347
2008-09	14	38	92	402	508	853	779	661	640	460	251	58	4756	-28
2009-10	19	23	66	355	535	854	575	516	542	452	323	153	4413	-371
2010-11	36	35	76	319	582	648	697	663	549	517	345	134	4601	-183
2011-12	20	9	47	320	591	806	700	642	646	396	282	159	4618	-35
2012-13	25	9	67	299	514	698	855	592	533	397	211	79	4279	-374
2013-14	2	3	87	413	573	887	728	628	486	355	166	66	4394	-259
2014-15	3	1	28	177	557	614	641	449	412	415	159	22	3478	-1175
2015-16	2	0	96	181	601	638	664	474	478	262	144	78	3618	-1035
2016-17	5	10	90	289	410	866	880	608	519	432	227	82	4418	-234
2017-18	0	2	81	336	513	779	590	624	592	373	143	68	4101	-552
2018-19	11	9	94	271	532	663	681	738	573	356	188	73	4189	-463
2019-20	7	3	115	477	618	707	603	664	620	383	227	113	4537	-115
2020-21	22	5	66	339	607	693	661	632	627	341	179	55	4227	-423
2021-22	0	8	40	333	448	699	701	600	480	492	283	81	4165	-175
2022-23	1	0	22	190	686	744	695	690	675	455	141	72	4371	+31
2023-24	0	6	71	299	584	621	710							
2024-25														
2025-26														
2026-27														
2027-28														
2028-29														
2029-30														
Normal	15	16	82	332	561	736	710	588	541	412	239	108	4340	

EXTREMES: Least Monthly and Seasonal HDD and year of occurrence												
JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Season
0	0	22	170	409	523	553	449	386	181	139	22	3478
2023+	2022+	2022	1901	1995	1917	1953	2015+	1926	1926	1928	2015	2014-15

EXTREMES: Most Monthly and Seasonal HDD and year of occurrence												
103	112	250	565	824	975	1157	851	740	604	414	243	5439
1930	1899	1893	1919	1985	1985	1930	1936	1951	1967	1962	1976	1970-71

COOLING DEGREE DAYS

What are Cooling Degree Days? Cooling Degree Day (CDD) units are used by utility companies and institutions for determining energy consumption. The cooling season is January 1st to December 31st.

How are Cooling Degree Days calculated? Calculate the mean temperature for the day (*maximum and minimum added then divide by 2*) then subtract 65 (*baseline value*) from this value. All negative values are recorded as a zero. Monthly and seasonal values are sums of the daily values for that period.

Example: Max Temp: 94 Mean Temp = $(94 + 63) \div 2 = 78.5$
 Min Temp: 63 CDD for the day = $78.5 - 65 = \mathbf{14}$ (rounded)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Δ norm ¹
1898	0	0	0	0	3	35	63	125	26	0	0	0	252	-38
1899	0	0	0	0	0	0	94	26	16	0	0	0	136	-154
1900	0	0	0	0	0	65	145	89	M	0	M	M	299	9
1901	M	M	M	0	6	13	M	M	11	10	M	0	M	-
1902	0	0	0	0	8	17	M	M	30	0	0	0	M	-
1903	0	0	0	0	4	37	34	50	15	0	0	0	140	-150
1904	0	0	0	8	6	44	114	132	32	1	0	0	337	47
1905	0	0	0	0	2	1	141	81	29	0	0	0	254	-36
1906	0	0	0	2	5	11	224	122	23	0	0	0	387	97
1907	0	0	0	0	11	45	98	57	43	0	0	0	254	-36
1908	0	0	0	0	4	37	153	107	30	0	0	0	331	41
1909	0	0	0	0	3	16	23	54	45	0	0	0	141	-149
1910	0	0	0	4	13	12	98	31	7	0	0	0	165	-125
1911	0	0	0	0	9	22	177	78	8	0	0	0	294	4
1912	0	0	0	0	11	30	104	61	17	0	0	0	223	-67
1913	0	0	0	0	4	22	95	143	M	0	0	0	264	-26
1914	0	0	0	0	18	32	119	99	1	0	0	0	269	-21
1915	0	0	0	0	0	24	90	171	12	2	0	0	299	9
1916	0	0	0	0	0	45	41	116	12	0	0	0	214	-76
1917	0	0	0	0	0	20	141	179	9	0	0	0	349	59
1918	0	0	0	2	0	86	77	93	100	2	0	0	360	70
1919	0	0	0	0	0	4	107	76	11	0	M	0	198	-92
1920	0	0	0	0	1	23	60	143	7	1	0	0	235	-55
1921	0	0	0	0	0	32	49	83	0	0	0	0	164	-126
1922	0	0	0	0	31	72	151	85	42	0	0	0	381	91
1923	0	0	0	0	3	43	107	165	45	4	0	0	367	77
1924	0	0	0	0	14	65	97	84	47	0	0	0	307	17
1925	0	0	0	0	9	65	145	88	22	0	0	0	329	39
1926	0	0	0	16	5	128	192	85	18	0	0	0	444	154
1927	0	0	0	0	2	39	159	148	15	0	0	0	363	73
1928	0	0	0	0	24	10	133	52	12	2	0	0	233	-57
1929	0	0	0	0	0	23	44	77	26	0	0	0	170	-120
1930	0	0	0	0	0	2	27	74	18	0	0	0	121	-169
1931	0	0	0	0	16	13	85	91	37	0	0	0	242	-48
1932	0	0	0	0	0	68	30	95	21	6	0	0	220	-70
1933	0	0	0	0	0	14	51	101	1	0	0	0	167	-123
1934	0	0	0	0	1	24	32	73	25	6	0	0	161	-129
1935	0	0	0	0	0	30	104	95	45	2	0	0	276	-14
1936	0	0	0	2	7	23	43	60	12	2	0	0	149	-141
1937	0	0	0	0	0	29	56	58	18	0	0	0	161	-129
1938	0	0	0	0	17	38	164	25	48	0	0	0	292	2
1939	0	0	0	0	12	12	126	94	34	0	0	0	278	-12
1940	0	0	0	0	5	57	64	120	39	11	0	0	296	6

Cooling Degree Days

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Δ norm
1941	0	0	0	0	14	19	226	125	7	0	0	0	391	101
1942	0	0	0	0	4	26	134	164	31	0	0	0	359	69
1943	0	0	0	0	3	14	96	53	66	4	0	0	236	-54
1944	0	0	0	0	1	25	111	78	92	0	0	0	307	17
1945	0	0	0	0	3	39	124	91	13	0	0	0	270	-20
1946	0	0	0	0	1	21	108	94	18	0	0	0	242	-48
1947	0	0	0	0	24	6	51	39	40	0	0	0	160	-130
1948	0	0	0	0	2	71	67	38	48	0	0	0	226	-64
1949	0	0	0	0	13	25	72	69	46	0	0	0	225	-65
1950	0	0	0	0	0	37	94	138	36	2	0	0	307	17
1951	0	0	0	0	3	62	81	53	34	0	0	0	233	-57
1952	0	0	0	0	3	4	104	80	62	5	0	0	258	-32
1953	0	0	0	0	5	1	48	62	26	1	0	0	143	-147
1954	0	0	0	0	1	0	9	14	3	0	0	0	27	-263
1955	0	0	0	0	2	26	26	48	42	0	0	0	144	-146
1956	0	0	0	0	23	9	129	60	13	0	0	0	234	-56
1957	0	0	0	3	3	11	34	12	59	0	0	0	122	-168
1958	0	0	0	0	26	72	202	172	39	5	0	0	516	226
1959	0	0	0	0	0	22	131	51	8	0	0	0	212	-78
1960	0	0	0	0	0	13	118	58	38	0	0	0	227	-63
1961	0	0	0	0	1	67	110	147	5	1	0	0	331	41
1962	0	0	0	0	0	7	77	49	17	0	0	0	150	-140
1963	0	0	0	0	7	16	11	51	72	0	0	0	157	-133
1964	0	0	0	0	1	1	91	49	4	0	0	0	146	-144
1965	0	0	0	0	0	12	124	87	9	1	0	0	233	-57
1966	0	0	0	0	2	29	57	88	28	0	0	0	204	-86
1967	0	0	0	0	0	57	96	214	52	0	0	0	419	129
1968	0	0	0	0	0	13	88	63	13	0	0	0	177	-113
1969	0	0	0	0	12	66	50	28	27	0	0	0	183	-107
1970	0	0	0	0	2	82	106	66	0	1	0	0	257	-33
1971	0	0	0	0	0	5	140	152	2	0	0	0	299	9
1972	0	0	0	0	10	6	122	148	21	0	0	0	307	17
1973	0	0	0	0	6	34	115	47	29	0	0	0	231	-59
1974	0	0	0	0	0	34	78	108	78	0	0	0	298	8
1975	0	0	0	0	1	16	109	30	41	0	0	0	197	-93
1976	0	0	0	0	0	6	59	48	16	3	0	0	132	-158
1977	0	0	0	0	0	19	50	187	5	0	0	0	261	-29
1978	0	0	0	0	6	63	143	130	16	0	0	0	358	68
1979	0	0	0	0	0	29	121	48	20	1	0	0	219	-71
1980	0	0	0	0	0	0	73	21	17	9	0	0	120	-170
1981	0	0	0	1	0	2	69	156	38	0	0	0	266	-24
1982	0	0	0	0	5	91	68	82	27	0	0	0	273	-17
1983	0	0	0	0	21	4	46	94	3	0	0	0	168	-122
1984	0	0	0	0	1	10	64	73	19	5	0	0	172	-118
1985	0	0	0	0	1	26	171	71	1	0	0	0	270	-20
1986	0	0	0	0	28	64	25	159	34	0	0	0	310	20
1987	0	0	0	0	27	64	59	110	31	4	0	0	295	5
1988	0	0	0	0	3	16	108	75	48	10	0	0	260	-30
1989	0	0	0	0	4	46	39	46	32	0	0	0	167	-123
1990	0	0	0	0	1	31	165	153	46	0	0	0	396	106

Cooling Degree Days

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Δ norm
1991	0	0	0	0	0	1	111	127	78	0	0	0	317	27
1992	0	0	0	1	30	83	138	128	25	0	0	0	405	115
1993	0	0	0	0	17	11	10	108	51	1	0	0	198	-92
1994	0	0	0	0	8	21	155	79	61	2	0	0	326	36
1995	0	0	0	0	9	52	139	53	41	0	0	0	294	4
1996	0	0	0	0	0	6	194	119	9	4	0	0	332	42
1997	0	0	0	0	28	5	86	158	44	0	0	0	321	31
1998	0	0	0	4	3	7	163	140	68	0	0	0	385	95
1999	0	0	0	0	4	23	87	120	51	0	0	0	285	-5
2000	0	0	0	0	0	53	71	71	36	0	0	0	231	-59
2001	0	0	0	0	17	8	68	90	46	0	0	0	229	-61
2002	0	0	0	0	0	40	139	111	35	0	0	0	325	35
2003	0	0	0	0	8	70	176	128	69	8	0	0	459	169
2004	0	0	0	0	0	43	170	168	1	0	0	0	382	92
2005	0	0	0	0	17	8	139	137	15	0	0	0	316	26
2006	0	0	0	0	19	62	174	105	45	0	1	0	406	116
2007	0	0	0	0	8	23	159	90	31	0	0	0	311	21
2008	0	0	0	0	35	42	116	127	41	0	0	0	361	71
2009	0	0	0	0	20	29	218	132	55	0	0	0	454	164
2010	0	0	0	0	0	11	121	116	43	0	0	0	291	1
2011	0	0	0	0	0	15	57	143	101	0	0	0	316	26
2012	0	0	0	2	2	15	91	161	46	0	0	0	317	27
2013	0	0	0	0	10	53	176	188	75	0	0	0	502	212
2014	0	0	0	1	15	19	242	241	73	14	0	0	605	315
2015	0	0	0	0	13	160	261	203	43	2	0	0	682	392
2016	0	0	0	7	14	91	121	213	19	0	0	0	465	175
2017	0	0	0	0	27	72	168	258	127	0	0	0	652	362
2018	0	0	0	0	12	57	242	181	26	1	0	0	519	229
2019	0	0	0	0	7	47	108	159	39	0	0	0	360	70
2020	0	0	0	0	15	36	145	140	73	0	0	0	409	119
2021	0	0	0	0	16	200	264	244	77	0	0	0	801	400
2022	0	0	0	0	2	52	257	241	92	14	0	0	658	257
2023	0	0	0	7	54	64	196	258	48	9	0	0	636	235
2024	0													
2025														
2026														
2027														
2028														
2029														
normal	0	0	0	1	11	39	148	146	54	2	0	0	401	

EXTREMES: Least Monthly and Annual CDD and year of occurrence												
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
0	0	0	0	0	0	9	12	0	0	0	0	27
2024 ¹	2023 ¹	2023 ¹	2022 ⁺	2011 ⁺	1980 ⁺	1954	1957	1970 ⁺	2021 ¹	2023 ¹	2023 ¹	1954
EXTREMES: Most Monthly and Annual CDD and year of occurrence												
0	0	0	16	54	200	264	258	127	14	1	0	801
2024 ⁺	2023 ⁺	2023 ¹	1926	2023	2021	2021	2017	2017	2022	2006	2023 ¹	2021

¹Multiple occurrences, so last year of occurrence listed.

SALEM: Spring & Autumn FREEZE Data

table format: date of occurrence (month.day) that day's minimum temperature and Julian (J) day

	Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period		Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period
	Date	T	J	Date	T	J			Date	T	J	Date	T	J	
1890	-	-	-	-	-	-	-	1930	5.22	32	142	10.11	32	284	141
1891	-	-	-	-	-	-	-	1931	5.08	32	128	10.11	32	284	155
1892	4.19	30	110	11.07	31	312	201	1932	3.22	30	82	10.28	32	302	219
1893	4.17	29	107	10.13	32	286	178	1933	4.10	30	100	10.15	30	288	187
1894	5.09	31	129	10.11	30	284	154	1934	4.03	29	93	9.25	26	268	174
1895	5.10	32	130	10.29	32	302	171	1935	5.23	32	143	10.22	30	295	151
1896	4.17	32	108	11.06	29	311	202	1936	4.06	30	97	10.21	32	295	197
1897	3.30	28	89	10.15	32	288	198	1937	4.29	31	119	11.30	28	334	214
1898	4.19	32	109	11.08	30	312	202	1938	4.13	32	103	10.16	32	289	185
1899	6.06	32	157	10.13	25	286	128	1939	4.30	32	120	11.09	31	313	192
1900	4.15	32	105	10.08	32	281	175	1940	3.19	32	110	11.04	30	309	198
1901	M	-	-	M	-	-	-	1941	3.24	32	83	11.17	31	321	237
1902	4.11	32	101	9.22	32	265	163	1942	5.11	32	131	11.10	32	314	182
1903	4.12	31	102	12.02	32	336	233	1943	4.26	30	116	11.01	32	305	188
1904	3.31	32	91	12.03	30	338	246	1944	3.28	28	88	11.10	32	315	226
1905	3.30	27	89	10.18	30	291	201	1945	4.13	31	103	10.18	28	291	187
1906	4.02	31	92	11.19	32	325	230	1946	4.07	31	97	10.16	29	289	191
1907	3.16	32	75	11.03	32	307	231	1947	4.11	31	101	11.21	29	325	223
1908	3.09	31	69	11.26	30	331	261	1948	4.27	28	118	10.27	29	301	182
1909	3.10	32	69	11.14	31	318	248	1949	4.30	32	120	10.14	32	287	166
1910	3.06	31	65	11.15	32	319	253	1950	4.26	32	116	10.01	31	274	157
1911	4.14	31	105	10.29	32	302	196	1951	4.22	31	112	10.30	31	303	190
1912	3.21	30	80	11.25	31	329	248	1952	5.04	29	125	11.02	32	307	181
1913	3.26	31	85	11.03	30	307	221	1953	4.10	28	100	11.01	31	305	204
1914	2.16	32	47	11.18	32	322	274	1954	5.01	25	121	10.23	32	296	174
1915	2.15	29	46	12.29	30	363	316	1955	4.26	32	116	11.11	29	315	198
1916	3.04	32	64	10.04	32	278	213	1956	4.17	31	108	10.28	29	302	193
1917	3.17	30	76	10.26	30	299	222	1957	4.20	32	110	11.01	30	305	194
1918	4.04	30	94	11.27	30	331	236	1958	5.13	32	133	11.15	28	319	185
1919	3.27	27	86	10.09	30	282	195	1959	4.19	32	109	10.29	32	302	192
1920	5.30	31	151	10.30	32	304	152	1960	5.22	31	143	11.25	32	330	186
1921	4.14	31	104	9.12	32	255	150	1961	4.26	32	116	9.26	31	269	152
1922	3.28	32	87	11.03	28	307	219	1962	5.04	29	124	11.27	30	331	206
1923	3.18	32	77	11.10	31	314	236	1963	4.28	32	118	10.19	29	292	173
1924	4.24	32	115	11.12	32	317	201	1964	5.25	32	146	10.17	32	291	144
1925	3.29	31	88	11.01	32	305	216	1965	5.14	32	134	9.17	28	260	125
1926	2.12	32	43	12.04	30	338	294	1966	5.28	32	148	10.13	32	286	137
1927	4.11	32	101	10.31	32	304	202	1967	5.01	32	121	11.05	31	309	187
1928	3.14	31	74	10.11	32	285	210	1968	5.07	32	128	10.31	32	305	176
1929	4.18	32	108	10.10	32	283	174	1969	5.04	32	124	10.05	32	278	153

Salem: Spring & Autumn FREEZE Data

	Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period		Last Freeze of Spring			First Freeze of Autumn			Freeze Free Period
	Date	T	J	Date	T	J			Date	T	J	Date	T	J	
1970	5.06	31	126	9.13	28	256	129	2000	4.24	30	115	9.23	32	267	151
1971	5.21	32	141	10.16	30	289	147	2001	4.15	31	105	11.07	30	311	205
1972	5.01	31	122	9.26	31	270	147	2002	5.08	31	128	10.12	32	285	156
1973	4.30	31	120	10.03	32	276	155	2003	3.24	29	83	10.30	29	304	220
1974	5.13	32	133	10.05	28	278	144	2004	4.01	31	92	11.04	32	309	216
1975	4.29	30	119	11.12	29	316	196	2005	3.17	30	76	11.07	32	311	234
1976	6.03	32	155	10.17	30	291	135	2006	4.30	32	120	10.26	32	299	178
1977	5.12	31	132	10.17	30	290	157	2007	4.20	32	110	10.26	31	299	188
1978	4.23	31	113	10.21	32	294	180	2008	4.25	32	116	10.11	31	285	168
1979	4.19	32	109	10.17	32	290	180	2009	4.23	32	113	11.29	32	333	219
1980	5.16	32	137	10.16	31	290	152	2010	3.19	32	78	11.21	27	325	246
1981	4.13	28	103	10.12	30	285	181	2011	4.22	31	112	10.26	30	299	186
1982	5.19	32	139	10.19	27	292	152	2012	5.10	32	131	11.25	31	330	198
1983	4.15	32	105	10.16	31	289	183	2013	4.30	32	120	10.29	30	302	181
1984	5.07	30	128	10.23	31	297	168	2014	3.23	32	82	11.11	32	315	232
1985	5.12	30	132	10.08	30	281	148	2015	3.05	30	64	11.21	31	325	260
1986	4.28	28	118	10.12	32	285	166	2016	3.17	31	77	12.06	29	341	263
1987	4.20	32	110	10.15	32	288	177	2017	4.03	31	93	10.31	32	304	210
1988	4.25	30	116	10.27	27	301	184	2018	4.03	30	93	11.09	27	313	219
1989	3.20	29	79	10.15	32	288	208	2019	4.28	32	118	10.09	32	282	163
1990	5.08	31	128	10.07	30	280	151	2020	4.13	32	104	10.25	31	299	194
1991	5.14	32	134	10.30	27	303	168	2021	4.11	29	101	11.21	30	325	223
1992	4.23	31	114	10.14	31	288	173	2022	4.17	32	107	11.09	29	313	206
1993	4.12	30	102	11.01	32	305	202	2023	3.27	29	86	10.28	29	301	216
1994	3.26	32	85	10.11	32	284	198	2024							
1995	4.22	32	112	10.19	32	292	179	2025							
1996	5.08	31	68	10.17	32	291	222	2026							
1997	4.12	30	102	11.15	31	319	216	2027							
1998	4.16	32	106	11.28	32	332	225	2028							
1999	4.06	31	96	10.15	31	288	191	2029							

Averages & Extremes ¹	≤ 24° F	≤ 28° F	≤ 32° F	≤ 36° F
<i>Average Last Occurrence in Spring</i>	3 Feb	1 Mar	13 Apr	5 May
Latest Occurrence in Spring	13 Apr 1968	11 May 1985	6 June 1899	3 Jul 1899
<i>Average First Occurrence in Autumn</i>	28 Nov	16 Nov	31 Oct	17 Oct
Earliest Occurrence in Autumn	14 Oct 1899	13 Sep 1970	12 Sept 1921	30 Jul 1930
<i>Average Freeze-Free Period</i>	200 days			
Shortest Freeze-Free Period	125 days (1965)			
Longest Freeze-Free Period	316 days (1915)			

¹Averages are based on 1991-2020 data. Extremes are 1892 through 2023.

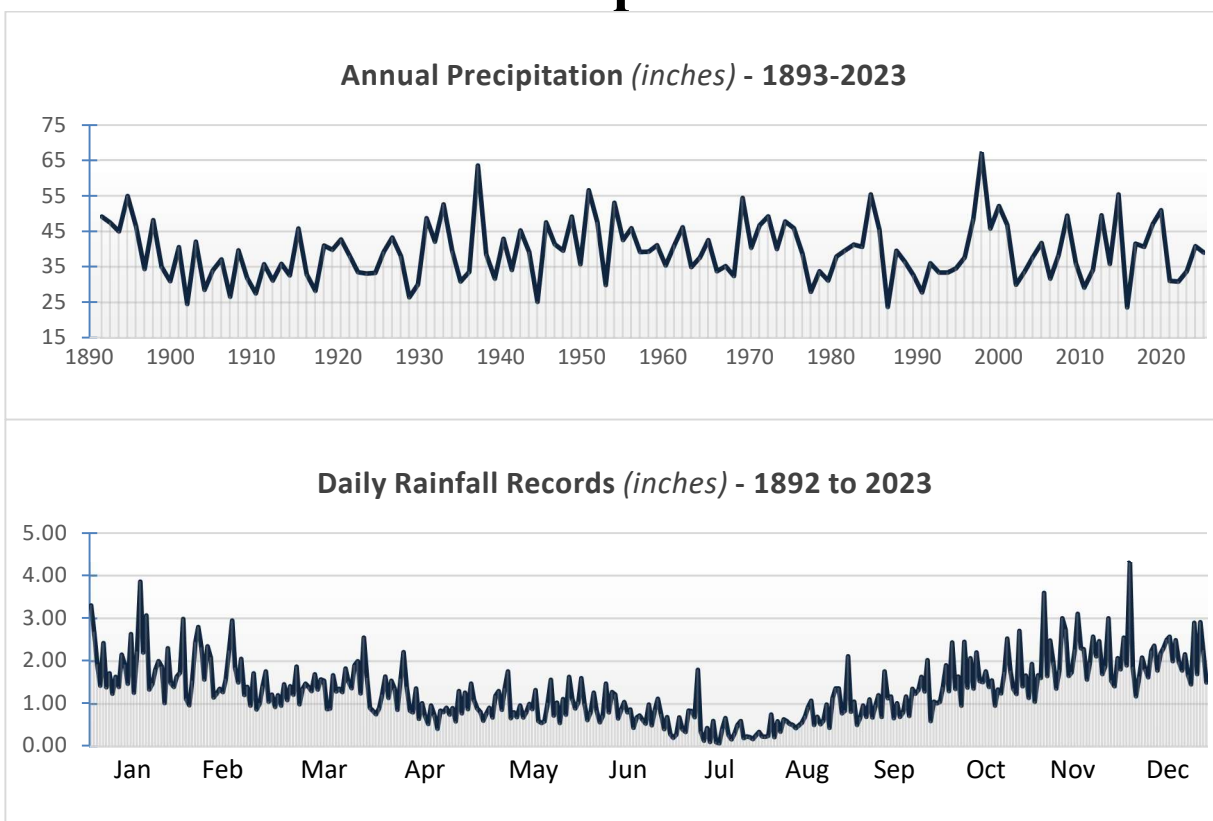
Julian Day Converter

If the year is a leap year, then assign 29 February as Julian day 60.
For the remainder of that year, add 1 for any particular day.

Leap Years for the 20 th and 21 st Centuries						
1904	1932	1960	1988	2016	2044	2072
1908	1936	1964	1992	2020	2048	2076
1912	1940	1968	1996	2024	2052	2080
1916	1944	1972	2000	2028	2056	2084
1920	1948	1976	2004	2032	2060	2088
1924	1952	1980	2008	2036	2064	2092
1928	1956	1984	2012	2040	2068	2096

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	32	60	91	121	152	182	213	244	274	305	335
2	2	33	61	92	122	153	183	214	245	275	306	336
3	3	34	62	93	123	154	184	215	246	276	307	337
4	4	35	63	94	124	155	186	216	247	277	308	338
5	5	36	64	95	125	156	185	217	248	278	309	339
6	6	37	65	96	126	157	187	218	249	279	310	340
7	7	38	66	97	127	158	188	219	250	280	311	341
8	8	39	67	98	128	159	189	220	251	281	312	342
9	9	40	68	99	129	160	190	221	252	282	313	343
10	10	41	69	100	130	161	191	222	253	283	314	344
11	11	42	70	101	131	162	192	223	254	284	315	345
12	12	43	71	102	132	163	193	224	255	285	316	346
13	13	44	72	103	133	164	194	225	256	286	317	347
14	14	45	73	104	134	165	195	226	257	287	318	348
15	15	46	74	105	135	166	196	227	258	288	319	349
16	16	47	75	106	136	167	197	228	259	289	320	350
17	17	48	76	107	137	168	198	229	260	290	321	351
18	18	49	77	108	138	169	199	230	261	291	322	352
19	19	50	78	109	139	170	200	231	262	292	323	353
20	20	51	79	110	140	171	201	232	263	293	324	354
21	21	52	80	111	141	172	202	233	264	294	325	355
22	22	53	81	112	142	173	203	234	265	295	326	356
23	23	54	82	113	143	174	204	235	266	296	327	357
24	24	55	83	114	144	175	205	236	267	297	328	358
25	25	56	84	115	145	176	206	237	268	298	329	359
26	26	57	85	116	146	177	207	238	269	299	330	360
27	27	58	86	117	147	178	208	239	270	300	331	361
28	28	59	87	118	148	179	209	240	271	301	332	362
29	29	--	88	119	149	180	210	241	272	302	333	363
30	30		89	120	150	181	211	242	273	303	334	364
31	31		90		151		212	243		304		365

Salem Precipitation Data



SALEM: Monthly Precipitation Normals/Extremes¹

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Normal Rain	6.08	4.54	4.35	3.12	2.25	1.25	0.25	0.39	1.46	3.47	5.95	6.97	40.08
<i>Wettest</i>	15.40	13.41	10.13	7.68	6.23	4.61	2.72	4.17	7.05	11.25	16.99	17.54	66.96
<i>Mo/Yr</i>	1953	2017	1894	1937	1895	1937	1916	1968	2013	2016	1896	1933	1996
<i>Driest</i>	0.24	0.34	0.59	0.39	0.05	0.00	0.00	0.00	0.00	0.00	0.48	1.26	23.59
<i>Mo/Yr</i>	1985	1920	1911	1939	1992	1918	2017	1988	1975	1917	1936	1976	2013
Average Snow⁴	3.2	1.6	0.4	0	0	0	0	0	0	0	0.1	1.9	6.5
<i>Normal Snow⁴</i>	1.0	3.0	<i>Tr</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0.2</i>	<i>2.0</i>	<i>6.2</i>
<i>Snowiest</i>	32.8	25.2	10.9	0.1	0	0	0	0	0	5.0	6.1	23.0	34.0
<i>Mo/Yr</i>	1950	1937	1951	1972	-	-	-	-	-	1935	1977	1919	1937

¹ Normals are the 30-year NCDC Climatic Normals (1991-2020). Extremes Dec 1892 through 2023. Units are inches.

² July 2017, 2013, 1967, 1952, 1933, 1931, 1929, 1926, 1925, 1922, 1914, 1910, 1899, 1896, and 1893 each recorded no rainfall.

³ August 1988, 1952, 1928, 1919, 1917, 1915, 1914, 1900 and 1894 each recorded no rainfall.

⁴The snow averages are based on weather observations 1893 to 1995, period with full snow observations. These values will be different from the 1991-2020 normals (listed on line labeled 'normal snow', which contained years during which snow was not measured by the ASOS). Snow has not been measured at the Salem observation site since 1995.

Salem's Daily Precipitation Normals¹ & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	January 1893-2023								February 1893-2023							
	Daily Normals & Cumulative Totals				Daily Records				Normals¹ & Cumulative Totals				Daily Records			
					Rain		Snow						Rain		Snow	
	DY	MO	YR	WY	Amt	Year	Amt	Year	DY	MO	YR	WY	Amt	Year	Amt	Year
1	.20	.20	.20	16.59	1.50	1895	2.0	1928	.17	.17	6.25	22.64	2.99	1937	25.0	1937
2	.21	.41	.41	16.80	3.30	1933	0.6	1982	.17	.34	6.42	22.81	1.12	1991	3.4	1989
3	.21	.62	.62	17.01	2.68	1895	1.4	1950	.16	.50	6.58	22.97	0.97	1990	1.0	1916
4	.21	.83	.83	17.22	1.92	1956	3.0	1959	.17	.67	6.75	23.14	1.53	2017	4.0	1893
5	.20	1.03	1.03	17.42	1.43	1914	7.0	1909	.17	.84	6.92	23.31	2.44	2017	3.0	1899
6	.21	1.24	1.24	17.63	2.42	1948	2.0	1909	.17	1.01	7.09	23.48	2.80	1943	0.9	1990
7	.21	1.45	1.45	17.84	1.39	1990	3.0	2017	.17	1.18	7.26	23.65	2.32	1996	3.7	1985
8	.21	1.66	1.66	18.05	1.71	1959	1.5	1993	.16	1.34	7.42	23.81	1.57	1996	0.2	1985
9	.21	1.87	1.87	18.26	1.24	1968	1.0	1909	.17	1.51	7.59	23.98	2.35	1961	0.1	1939
10	.21	2.08	2.08	18.47	1.63	1988	3.0	1901	.17	1.68	7.76	24.15	2.08	1961	1.0	1923
11	.20	2.28	2.28	18.67	1.40	1972	2.0	1911	.17	1.85	7.93	24.32	1.15	2019	2.0	1923
12	.20	2.48	2.48	18.87	2.15	1895	5.3	1969	.16	2.01	8.09	24.48	1.25	1954	3.0	1923
13	.19	2.67	2.67	19.06	1.91	1894	5.3	1971	.17	2.18	8.26	24.65	1.35	1982	1.5	1995
14	.20	2.87	2.87	19.26	1.47	1974	3.0	1993	.16	2.34	8.42	24.81	1.28	1904	2.1	1959
15	.19	3.06	3.06	19.45	2.63	1974	11.0	1930	.16	2.50	8.58	24.97	1.58	1904	6.1	1990
16	.19	3.25	3.25	19.64	1.26	1974	2.5	1954	.16	2.66	8.74	25.13	2.24	1970	T	1990
17	.20	3.45	3.45	19.84	2.22	1997	2.3	1935	.16	2.82	8.90	25.29	2.95	1949	2.4	1986
18	.19	3.64	3.64	20.03	3.86	1911	6.0	1913	.16	2.98	9.06	25.45	1.84	1949	1.0	1936
19	.19	3.83	3.83	20.22	2.20	1919	5.0	1930	.17	3.15	9.23	25.62	1.50	1968	12.0	1993
20	.19	4.02	4.02	20.41	3.07	1972	1.5	1957	.16	3.31	9.39	25.78	2.05	1956	0.8	1952
21	.19	4.21	4.21	20.60	1.34	1951	10.8	1943	.15	3.46	9.54	25.93	1.21	1998	1.7	1993
22	.19	4.40	4.40	20.79	1.47	1970	6.4	1943	.16	3.62	9.70	26.09	1.40	1936	1.0	1910
23	.19	4.59	4.59	20.98	1.80	1965	2.5	1927	.15	3.77	9.85	26.24	0.96	1996	5.4	1962
24	.19	4.78	4.78	21.17	2.00	1903	3.0	1898	.15	3.92	10.00	26.39	1.71	1976	0.2	1936
25	.20	4.98	4.98	21.37	1.87	1920	6.4	1969	.15	4.07	10.15	26.54	0.87	1957	0.6	1971
26	.19	5.17	5.17	21.56	1.02	2008	5.4	1969	.16	4.23	10.31	26.70	1.01	2000	3.2	1971
27	.18	5.35	5.35	21.74	2.30	1967	4.2	1950	.15	4.38	10.46	26.85	1.41	1999	1.5	1971
28	.19	5.54	5.54	21.93	1.49	1990	3.7	1963	.16	4.54	10.62	27.01	1.76	2022	2.8	1971
29	.18	5.72	5.72	22.11	1.40	1958	5.2	1950	.16	-	-	-	1.05	2012	T	1972
30	.18	5.90	5.90	22.29	1.64	1997	2.9	1963								
31	.18	6.08	6.08	22.47	1.73	1987	6.7	1929								
	January				Rain		Snow		February				Rain		Snow	
	Month: Normal Total ¹				6.08"		3.2"		Month: Normal Total ¹				4.54"		1.6"	
	Month: Extreme Most				15.40	1953	32.8	1950	Month: Extreme Most				13.41	2017	25.2	1937
	Month: Extreme Least				0.24	1985	0.0	-	Month: Extreme Least				0.34	1920	0.0	-
	Calendar day: most Rain				3.86" on 18 Jan 1911				Calendar day: most Rain				2.99" on 1 Feb 1937			
	Calendar day: most Snow				11.0" on 15 Jan 1930				Calendar day: most Snow				25.0" on 1 Feb 1937			
	Any 24-hrs: most Rain				3.86" on 18 th Jan 1911				Any 24-hrs: most Rain				3.16" on 16-17 th Feb 1949			
	Any 24-hrs: most Snow				11.0" on 15 th Jan 1930				Any 24-hrs: most Snow				25.0" on 1 st Feb 1937			

¹ Normals are 1991-2020. For snow, averages use 1893-1995 data (records 1893-1994, with spotty snow data 1995-present)
Daily and cumulative averages based on a daily value computed by normalizing monthly total across the entire month.

² Last year of multiple occurrences listed.

Salem's Daily Precipitation Normals¹ & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	March 1893-2023								April 1893-2023							
	Daily Normals & Cumulative Totals				Daily Records				Normals ¹ & Cumulative Totals				Daily Records			
					Rain		Snow						Rain		Snow	
	DY	MO	YR	WY	Amt	Year	Amt	Year	DY	MO	YR	WY	Amt	Year	Amt	Year
1	.16	.16	10.78	27.17	1.22	1997	0.6	1962	.12	.12	15.09	31.48	1.60	1931	T	1963
2	.16	.32	10.94	27.33	0.93	1991	6.7	1960	.13	.25	15.22	31.61	0.91	2010	T	1989
3	.16	.48	11.10	27.49	1.20	1916	1.8	1960	.12	.37	15.34	31.73	0.83	1928	T	1948
4	.15	.63	11.25	27.64	0.96	2000	1.4	1971	.13	.50	15.47	31.86	0.76	2022	T	1992
5	.15	.78	11.40	27.79	1.46	2014	4.4	1951	.12	.62	15.59	31.98	0.90	1954	T	1992
6	.15	.93	11.55	27.94	1.09	2002	0.7	1951	.12	.74	15.71	32.10	1.21	2019	T	1922
7	.14	1.07	11.69	28.08	1.41	1957	0.2	1951	.11	.85	15.82	32.21	1.64	2018	T	1988
8	.15	1.22	11.84	28.23	1.22	1894	2.5	1951	.12	.97	15.94	32.33	1.14	1971	T	1972
9	.15	1.37	11.99	28.38	1.87	1966	1.6	1951	.11	1.08	16.05	32.44	1.54	1971	T	1995
10	.14	1.51	12.13	28.52	0.99	1997	0.7	1954	.12	1.20	16.17	32.56	1.36	2023	T	1991
11	.15	1.66	12.28	28.67	1.35	1894	T	1967	.11	1.31	16.28	32.67	0.86	1981	T	1983
12	.14	1.80	12.42	28.81	1.47	1946	T	1977	.12	1.43	16.40	32.79	1.58	1955	T	1950
13	.14	1.94	12.56	28.95	0.97	2016	T	1955	.10	1.53	16.50	32.89	2.21	1937	T	1944
14	.15	2.09	12.71	29.10	1.30	2015	0.4	1955	.11	1.64	16.61	33.00	1.39	1929	T	1955
15	.14	2.23	12.85	29.24	1.69	1894	T	1980	.11	1.75	16.72	33.11	0.84	2006	T	1976
16	.14	2.37	12.99	29.38	1.34	1938	T	1989	.10	1.85	16.82	33.21	0.80	1893	T	1968
17	.14	2.51	13.13	29.52	1.57	1921	1.0	1938	.11	1.96	16.93	33.32	1.36	1908	T	1987
18	.14	2.65	13.27	29.66	1.54	1938	T	1952	.10	2.06	17.03	33.42	0.65	1899	T	1979
19	.13	2.78	13.40	29.79	0.88	1922	0.5	1948	.10	2.16	17.13	33.52	1.01	1997	T	1961
20	.13	2.91	13.53	29.92	0.89	1935	T	1975	.11	2.27	17.24	33.63	0.72	1988	-	-
21	.13	3.04	13.66	30.05	1.67	1948	0.3	1966	.10	2.37	17.34	33.73	0.53	1916	-	-
22	.14	3.18	13.80	30.19	1.29	1993	T	1976	.09	2.46	17.43	33.82	0.96	1996	-	-
23	.13	3.31	13.93	30.32	1.35	1938	T	1950	.09	2.55	17.52	33.91	0.74	1996	-	-
24	.13	3.44	14.06	30.45	1.28	1962	T	1985	.09	2.64	17.61	34.00	0.42	2014	-	-
25	.13	3.57	14.19	30.58	1.83	1935	T	1972	.09	2.73	17.70	34.09	0.84	2011	-	-
26	.14	3.71	14.33	30.72	1.52	1940	1.0	1946	.08	2.81	17.78	34.17	0.81	1894	-	-
27	.13	3.84	14.46	30.85	1.37	1940	T	1977	.08	2.89	17.86	34.25	0.91	1962	-	-
28	.13	3.97	14.59	31.98	1.90	1934	T	1953	.08	2.97	17.94	34.33	0.75	1897	-	-
29	.13	4.10	14.72	31.11	2.00	1963	2.0	1936	.08	3.05	18.02	34.41	0.90	1896	-	-
30	.13	4.23	14.85	31.24	1.25	1963	T	1971	.07	3.12	18.09	34.48	0.59	2022	-	-
31	.12	4.35	14.97	31.36	2.55	1943	1.5	1920								
	March				Rain		Snow		April				Rain		Snow	
	Month: Normal Total ¹				4.35"		0.4"		Month: Normal Total ¹				3.12"		0"	
	Month: Extreme Most				10.13 1894		10.9 1951		Month: Extreme Most				7.68 1937		0.1 1972	
	Month: Extreme Least				0.59 1911		0.0 -		Month: Extreme Least				0.39 1939		0.0 -	
	Calendar day: most Rain				2.55" on 31 Mar 1943				Calendar day: most Rain				2.21" on 13 Apr 1937			
	Calendar day: most Snow				6.7" on 2 Mar 1960				Calendar day: most Snow				0.1" on 8 Apr 1972			
	Any 24-hrs: most Rain				2.55" on 31 st Mar 1943				Any 24-hrs: most Rain				2.29" on 7-8 th Apr 2018			
	Any 24-hrs: most Snow				8.5" on 2-3 rd Mar 1960				Any 24-hrs: most Snow				Trace, last in 1983			

¹ Normals are 1991-2020. For snow, averages use 1893-1995 data (records 1893-1994, with spotty snow data 1995-present)
Daily and cumulative averages based on a daily value computed by normalizing monthly total across the entire month.

² Last year of multiple occurrences listed.

Salem's Daily Precipitation Normals¹ & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	May 1893-2023							June 1893-2023								
	Daily Normals & Cumulative Totals				Daily Records			Normals ¹ & Cumulative Totals				Daily Records				
					Rain		Snow					Rain		Snow		
	DY	MO	YR	WY	Amt	Year	Amt	Year	DY	MO	YR	WY	Amt	Year	Amt	Year
1	.07	.07	18.16	34.55	1.30	1949	-	-	.07	.07	20.41	36.80	0.73	1993	-	-
2	.08	.15	18.24	34.63	0.78	1975	-	-	.06	.13	20.47	36.86	1.03	2010	-	-
3	.07	.22	18.31	34.70	1.26	1948	-	-	.06	.19	20.53	36.92	0.55	2010	-	-
4	.08	.30	18.39	34.78	0.88	1941	-	-	.06	.25	20.59	39.68	1.11	1993	-	-
5	.07	.37	18.46	34.85	1.47	1963	-	-	.06	.31	20.65	37.04	0.75	1993	-	-
6	.08	.45	18.54	34.93	1.09	1963	-	-	.05	.36	20.70	37.09	1.63	1985	-	-
7	.08	.53	18.62	35.01	0.89	1991	-	-	.06	.42	20.76	37.15	1.11	1981	-	-
8	.07	.60	18.69	35.08	0.81	1957	-	-	.05	.47	20.81	37.20	0.89	1927	-	-
9	.07	.67	18.76	35.15	0.61	1967	-	-	.05	.52	20.86	37.25	1.04	1933	-	-
10	.08	.75	18.84	35.23	0.78	1896	-	-	.05	.57	20.91	37.30	1.60	1950	-	-
11	.07	.82	18.91	35.30	0.91	1937	-	-	.05	.62	20.96	37.35	1.00	1910	-	-
12	.07	.89	18.98	35.37	0.68	1945	-	-	.05	.67	21.01	37.40	0.62	2021	-	-
13	.07	.96	19.05	35.44	1.19	1978	-	-	.05	.72	21.06	37.45	0.80	1980	-	-
14	.07	1.03	19.12	35.51	1.30	1902	-	-	.05	.77	21.11	37.50	1.26	1957	-	-
15	.07	1.10	19.19	35.58	0.86	1945	-	-	.04	.81	21.15	37.54	0.83	1906	-	-
16	.07	1.17	19.26	35.65	1.36	1972	-	-	.05	.86	21.20	37.59	0.57	1979	-	-
17	.07	1.24	19.33	35.72	1.76	1991	-	-	.04	.90	21.24	37.63	0.72	1894	-	-
18	.07	1.31	19.40	35.79	0.67	2020	-	-	.03	.93	21.27	37.66	1.47	1931	-	-
19	.07	1.38	19.47	35.86	0.80	1968	-	-	.04	.97	21.31	37.70	0.80	1913	-	-
20	.07	1.45	19.54	35.93	0.69	1912	-	-	.03	1.00	21.34	37.73	1.28	1984	-	-
21	.08	1.53	19.62	36.01	0.96	2010	-	-	.03	1.03	21.37	37.76	1.22	1937	-	-
22	.07	1.60	19.69	36.08	0.68	1942	-	-	.03	1.06	21.40	37.79	0.66	1913	-	-
23	.07	1.67	19.76	36.15	0.80	1893	-	-	.03	1.09	21.43	37.82	0.87	1969	-	-
24	.08	1.75	19.84	36.23	1.00	1899	-	-	.02	1.11	21.45	37.84	1.04	1971	-	-
25	.07	1.82	19.91	36.30	0.88	1895	-	-	.03	1.14	21.48	37.87	0.80	1913	-	-
26	.07	1.89	19.98	36.37	1.32	1895	-	-	.02	1.16	21.50	37.89	0.87	1969	-	-
27	.08	1.97	20.06	36.45	0.60	2006	-	-	.03	1.19	21.53	37.92	0.44	1955	-	-
28	.07	2.04	20.13	36.52	0.55	1997	-	-	.02	1.21	21.55	37.94	0.68	2002	-	-
29	.07	2.11	20.20	36.59	0.59	1998	-	-	.02	1.23	21.57	37.96	0.73	1958	-	-
30	.07	2.18	20.27	36.66	1.01	1894	-	-	.02	1.25	21.59	37.98	0.62	1976	-	-
31	.07	2.25	20.34	36.73	1.56	1997	-	-								
	May				Rain		Snow		June				Rain		Snow	
	Month: Normal Total ¹				2.25"		0"		Month: Normal Total ¹				1.25"		0"	
	Month: Extreme Most				6.23	1895	--	--	Month: Extreme Most				4.61	1937	--	--
	Month: Extreme Least				0.05	1992	--	--	Month: Extreme Least				0.00	1918	--	--
	Calendar day: most Rain				1.76" on 17 May 1991				Calendar day: most Rain				1.63" on 6 Jun 1985			
	Calendar day: most Snow				no snow observed				Calendar day: most Snow				no snow observed			
	Any 24-hrs: most Rain				2.23" / 16-17 May 1991				Any 24-hrs: most Rain				1.81" on 4-5 th Jun 1993			
	Any 24-hrs: most Snow				---				Any 24-hrs: most Snow				---			

¹ Normals are 1991-2020. For snow, averages use 1893-1995 data (records 1893-1994, with spotty snow data 1995-present)
Daily and cumulative averages based on a daily value computed by normalizing monthly total across the entire month.

² Last year of multiple occurrences listed.

Salem's Daily Precipitation Normals¹ & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	July 1893-2023							August 1893-2023								
	Daily Normals & Cumulative Totals				Daily Records			Normals ¹ & Cumulative Totals				Daily Records				
	DY	MO	YR	WY	Rain		Snow	DY	MO	YR	WY	Rain		Snow		
					Amt	Year	Amt					Year	Amt	Year		
1	.01	.01	21.60	37.99	.54	1897	-	-	.00	.00	21.84	38.23	.60	1896	-	-
2	.02	.03	21.62	38.01	.98	1916	-	-	.01	.01	21.85	38.24	.20	1996	-	-
3	.01	.04	21.63	38.02	.50	1907	-	-	.00	.01	21.85	38.24	.24	1962	-	-
4	.02	.06	21.65	38.04	.86	1986	-	-	.01	.02	21.86	38.25	.22	1953	-	-
5	.01	.07	21.66	38.05	1.12	1909	-	-	.01	.03	21.87	38.26	.18	1933	-	-
6	.01	.08	21.67	38.06	.76	1909	-	-	.00	.03	21.87	38.26	.27	1976	-	-
7	.01	.09	21.68	38.07	.41	1923	-	-	.01	.04	21.88	38.27	.34	1999	-	-
8	.02	.11	21.70	38.09	.69	1946	-	-	.01	.05	21.89	38.28	.24	1912	-	-
9	.01	.12	21.71	38.10	.29	2019	-	-	.00	.05	21.89	38.28	.23	1947	-	-
10	.01	.13	21.72	38.11	.21	1942	-	-	.01	.06	21.90	38.29	.25	1932	-	-
11	.01	.14	21.73	38.12	.28	1942	-	-	.01	.07	21.91	38.30	.75	1922	-	-
12	.00	.14	21.73	38.12	.68	2009	-	-	.01	.08	21.92	38.31	.22	1908	-	-
13	.01	.15	21.74	38.13	.40	1920	-	-	.01	.09	21.93	38.32	.59	1922	-	-
14	.01	.16	21.75	38.14	.34	1964	-	-	.01	.10	21.94	38.33	.35	1948	-	-
15	.00	.16	21.75	38.14	.84	1978	-	-	.01	.11	21.95	38.34	.64	1978	-	-
16	.01	.17	21.76	38.15	.83	1916	-	-	.02	.13	21.97	38.36	.60	1918	-	-
17	.01	.18	21.77	38.16	.69	1996	-	-	.01	.14	21.98	38.37	.53	1926	-	-
18	.00	.18	21.77	38.16	1.80	1987	-	-	.01	.15	21.99	38.38	.51	1926	-	-
19	.01	.19	21.78	38.17	.35	1983	-	-	.01	.16	22.00	38.39	.43	2007	-	-
20	.00	.19	21.78	38.17	.14	1965	-	-	.02	.18	22.02	38.41	.50	1899	-	-
21	.01	.20	21.79	38.18	.43	1940	-	-	.01	.19	22.03	38.42	.56	1943	-	-
22	.00	.20	21.79	38.18	.11	2014	-	-	.02	.21	22.05	38.44	.71	1925	-	-
23	.01	.21	21.80	38.19	.60	1918	-	-	.01	.22	22.06	38.45	.92	1968	-	-
24	.01	.22	21.81	38.20	.10	1912	-	-	.02	.24	22.08	38.47	1.07	1968	-	-
25	.00	.22	21.81	38.20	.08	1909	-	-	.02	.26	22.10	38.49	.51	1977	-	-
26	.01	.23	21.82	38.21	.41	1947	-	-	.02	.28	22.12	38.51	.70	1926	-	-
27	.00	.23	21.82	38.21	.67	1947	-	-	.02	.30	22.14	38.53	.52	1941	-	-
28	.01	.24	21.83	38.22	.27	1975	-	-	.02	.32	22.16	38.55	.61	1983	-	-
29	.00	.24	21.83	38.22	.17	2001	-	-	.02	.34	22.18	38.57	.98	1983	-	-
30	.01	.25	21.84	38.23	.31	1985	-	-	.03	.37	22.21	38.60	.44	2015	-	-
31	.00	.25	21.84	38.23	.51	1989	-	-	.02	.39	22.23	38.62	1.14	1971	-	-
	July				Rain		Snow		August				Rain		Snow	
	Month: Normal Total ¹				0.25"		0"		Month: Normal Total ¹				0.39"		0"	
	Month: Extreme Most				2.72	1916	--	--	Month: Extreme Most				4.17	1968	--	--
	Month: Extreme Least				0.00	2017 ²	--	--	Month: Extreme Least				0.00	1988 ²	--	--
	Calendar day: most Rain				1.80" on 18 Jul 1987				Calendar day: most Rain				1.14" on 31 Aug 1971			
	Calendar day: most Snow				no snow observed				Calendar day: most Snow				no snow observed			
	Any 24-hrs: most Rain				1.92", 17-18 th Jul 1987				Any 24-hrs: most Rain				2.00" on 20 th Aug 2002			
	Any 24-hrs: most Snow				---				Any 24-hrs: most Snow				---			

¹ Normals are 1991-2020. For snow, averages use 1893-1995 data (records 1893-1994, with spotty snow data 1995-present)
Daily and cumulative averages based on a daily value computed by normalizing monthly total across the entire month.

² Last year of multiple occurrences listed.

Salem's Daily Precipitation Normals¹ & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	September 1893-2023							October 1893-2023								
	Daily Normals & Cumulative Totals				Daily Records			Normals ¹ & Cumulative Totals				Daily Records				
					Rain		Snow					Rain		Snow		
	DY	MO	YR	WY	Amt	Year	Amt	Year	DY	MO	YR	WY	Amt	Year	Amt	Year
1	.03	.03	22.26	38.65	1.36	1971	-	-	.08	.08	23.77	.08	2.02	1951	-	-
2	.03	.06	22.29	38.68	1.36	1979	-	-	.07	.15	23.84	.15	.60	2005	-	-
3	.03	.09	22.32	38.71	.78	1927	-	-	.08	.23	23.92	.23	1.05	1950	-	-
4	.03	.12	22.35	38.74	.84	1913	-	-	.07	.30	23.99	.30	1.01	1997	-	-
5	.04	.16	22.39	38.78	2.11	1911	-	-	.09	.39	24.08	.39	1.05	1950	-	-
6	.04	.20	22.43	38.82	.82	1919	-	-	.08	.47	24.16	.47	1.38	1981	-	-
7	.04	.24	22.47	38.86	1.05	1893	-	-	.09	.56	24.25	.56	1.90	1893	-	-
8	.03	.27	22.50	38.89	.51	1914	-	-	.08	.64	24.33	.64	1.30	1893	-	-
9	.04	.31	22.54	38.93	.68	1982	-	-	.10	.74	24.43	.74	2.44	1955	-	-
10	.04	.35	22.58	38.97	.96	2019	-	-	.09	.83	24.52	.83	1.35	1995	-	-
11	.04	.39	22.62	39.01	.70	1895	-	-	.09	.92	24.61	.92	1.64	1968	-	-
12	.04	.43	22.66	39.05	1.10	1920	-	-	.10	1.02	24.71	1.02	.96	2012	-	-
13	.05	.48	22.71	39.10	.68	1897	-	-	.11	1.13	24.82	1.13	2.45	2016	-	-
14	.04	.52	22.75	39.14	.97	1935	-	-	.10	1.23	24.92	1.23	1.38	1908	-	-
15	.05	.57	22.80	39.19	1.20	1997	-	-	.11	1.34	25.03	1.34	2.07	1947	-	-
16	.05	.62	22.85	39.24	.70	1926	-	-	.11	1.45	25.14	1.45	1.36	1947	-	-
17	.05	.67	22.90	39.29	1.76	1969	-	-	.12	1.57	25.26	1.57	2.20	1898	-	-
18	.05	.72	22.95	39.34	1.13	2021	-	-	.12	1.69	25.38	1.69	1.53	1979	-	-
19	.06	.78	23.01	39.40	1.17	1921	-	-	.12	1.81	25.50	1.81	1.51	1947	-	-
20	.05	.83	23.06	39.45	.67	1945	-	-	.12	1.93	25.62	1.93	1.76	1943	-	-
21	.06	.89	23.12	39.51	1.01	1944	-	-	.13	2.06	25.75	2.06	1.40	1934	-	-
22	.05	.94	23.17	39.56	.70	1901	-	-	.13	2.19	25.88	2.19	1.55	1931	-	-
23	.06	1.00	23.23	39.62	.80	1924	-	-	.14	2.33	26.02	2.33	.96	1951	-	-
24	.06	1.06	23.29	39.68	1.17	1924	-	-	.14	2.47	26.16	2.47	1.34	1943	-	-
25	.06	1.12	23.35	39.74	.72	2023	-	-	.14	2.61	26.30	2.61	1.25	1955	-	-
26	.06	1.18	23.51	39.80	1.35	1981	-	-	.14	2.75	26.44	2.75	1.74	1922	-	-
27	.07	1.25	23.48	39.87	1.24	1927	-	-	.14	1.89	26.58	1.89	2.53	1994	-	-
28	.06	1.31	23.54	39.93	1.33	2013	-	-	.14	3.03	26.72	3.03	1.77	1924	-	-
29	.08	1.39	23.62	40.01	1.63	2013	-	-	.15	3.18	26.87	3.18	1.35	1924	-	-
30	.07	1.46	23.69	40.08	1.29	1951	-	-	.14	3.32	27.01	3.32	1.23	1990	T	1935
31									.15	3.47	27.16	3.47	2.71	1994	5.0	1935
	September				Rain		Snow	October				Rain		Snow		
	Month: Normal Total ¹				1.46"		0"	Month: Normal Total ¹				3.47"		0"		
	Month: Extreme Most				7.05	2013	--	--	Month: Extreme Most				11.25	2016	5.0	1935
	Month: Extreme Least				0.00	1975	--	--	Month: Extreme Least				0.00	1917	0.0	-
	Calendar day: most Rain				2.11" on 5 Sep 1911			Calendar day: most Rain				2.71" on 31 Oct 1994				
	Calendar day: most Snow				no snow observed			Calendar day: most Snow				5.0" on 31 st Oct 1935				
	Any 24-hrs: most Rain				2.11" on 5 th Sep 1911			Any 24-hrs: most Rain				4.08" on 26-27 th Oct 1994				
	Any 24-hrs: most Snow				---			Any 24-hrs: most Snow				5.0" on 31 st Oct 1935				

¹ Normals are 1991-2020. For snow, averages use 1893-1995 data (records 1893-1994, with spotty snow data 1995-present)
Daily and cumulative averages based on a daily value computed by normalizing monthly total across the entire month.

² Last year of multiple occurrences listed.

Salem's Daily Precipitation Normals¹ & Records

DY= Daily, MO= Month to Date, YR= Year to date, WY= Water Year to date. Precipitation in units of inches

D A Y	November 1893-2023							December 1892-2023								
	Daily Normals & Cumulative Totals				Daily Records			Normals ¹ & Cumulative Totals				Daily Records				
	DY	MO	YR	WY	Rain		Snow	DY	MO	YR	WY	Rain		Snow		
					Amt	Year	Amt					Year	Amt	Year	Amt	Year
1	.14	.14	27.30	3.61	1.41	1948	-	.24	.24	33.35	9.66	1.41	2001	6.1	1985	
2	.15	.29	27.45	3.76	1.66	1984	-	.24	.48	33.59	9.90	2.07	1941	0.4	1985	
3	.16	.45	27.61	3.92	1.14	1983	-	.24	.72	33.83	10.14	1.81	1943	0.1	1968	
4	.15	.60	27.76	4.07	1.93	1969	-	.23	.95	34.06	10.37	2.55	1989	7.0	1909	
5	.17	.77	27.93	4.24	1.05	1999	0.5	1973	.23	1.18	34.29	10.60	1.90	1981	7.5	1972
6	.18	.95	28.11	4.42	1.67	2006	-	.24	1.42	34.53	10.84	4.30	1933	3.8	1972	
7	.18	1.13	28.29	4.60	1.61	1924	-	.23	1.65	34.76	11.07	1.86	2015	4.2	1956	
8	.18	1.31	28.47	4.78	3.60	1896	-	.23	1.88	34.99	11.30	1.18	2010	0.6	1971	
9	.19	1.50	28.66	4.97	1.65	1928	-	.23	2.11	35.22	11.53	1.63	1987	4.5	1919	
10	.19	1.69	28.85	5.16	2.48	1928	1.0	1911	.22	2.33	35.44	11.75	2.08	1939	17.5	1919
11	.20	1.89	29.05	5.36	1.97	1995	1.8	1955	.22	2.55	35.66	11.97	1.81	1969	1.7	1972
12	.19	2.08	29.24	5.55	1.36	1965	T	1964	.22	2.77	35.88	12.19	1.62	1907	1.3	1972
13	.20	2.29	29.44	5.75	1.79	1941	T	1964	.23	3.00	36.11	12.42	2.23	2003	1.9	1965
14	.20	2.48	29.64	5.95	3.00	1896	T	1955	.23	3.23	36.34	12.65	2.36	1929	5.0	2016
15	.20	2.68	29.84	6.15	2.74	1950	T	1958	.23	3.46	36.57	12.88	1.78	2009	5.0	1922
16	.20	2.88	30.04	6.35	1.65	1953	4.0	1955	.22	3.68	36.79	13.10	2.18	1939	3.2	1987
17	.21	3.09	30.25	6.56	1.74	1981	T	1994	.23	3.91	37.02	13.33	2.31	2015	0.1	1984
18	.21	3.30	30.46	6.77	2.26	1996	T	1985	.22	4.13	37.24	13.55	2.50	1917	1.0	1964
19	.21	3.51	30.67	6.98	3.11	1897	3.0	1897	.23	4.36	37.47	13.78	2.57	1917	4.0	1921
20	.21	3.72	30.88	7.19	2.30	1921	0.3	1978	.23	4.59	37.70	14.01	2.00	1900	2.5	1924
21	.21	3.93	31.09	7.40	2.28	1921	T	1985	.23	4.82	37.93	14.24	2.49	1964	0.8	1921
22	.21	4.14	31.30	7.61	1.57	2001	6.1	1977	.22	5.04	38.15	14.46	1.98	1964	2.1	1968
23	.22	4.36	31.52	7.83	1.96	1942	0.4	1993	.22	5.26	38.37	14.68	1.78	1936	1.0	1965
24	.21	4.57	31.73	8.04	2.57	1960	-	.23	5.49	38.60	14.91	2.16	1980	2.3	1983	
25	.22	4.79	31.95	8.26	2.11	1998	T	1985	.21	5.70	38.81	15.12	1.67	1980	0.5	1954
26	.23	5.02	32.18	8.49	2.47	1945	T	1993	.22	5.92	39.03	15.34	1.46	1917	T	1970
27	.23	5.25	32.41	8.72	1.70	1984	T	1975	.21	6.13	39.24	15.55	2.90	1937	7.5	1928
28	.22	5.47	32.63	8.94	1.88	2001	T	1985	.21	6.34	39.45	15.76	1.70	2010	1.8	1964
29	.24	5.71	32.87	9.18	3.00	1893	T	1981	.21	6.55	39.66	15.97	2.91	1937	1.9	1968
30	.24	5.95	33.11	9.42	1.54	1994	1.6	1985	.21	6.76	39.87	16.18	2.25	1970	5.4	1968
31									.21	6.97	40.08	16.39	1.50	1895	5.0	1923
	November				Rain		Snow		December				Rain		Snow	
	Month: Normal Total ¹				5.95"		0.1"		Month: Normal Total ¹				6.97"		1.9"	
	Month: Extreme Most				16.99	1896	6.1	1977	Month: Extreme Most				17.54	1933	23.0	1919
	Month: Extreme Least				0.48	1936	0.0	-	Month: Extreme Least				1.26	1976	0.00	-
	Calendar day: most Rain				3.60" on 8 Nov 1896				Calendar day: most Rain				4.30" on 6 Dec 1933			
	Calendar day: most Snow				6.1" on 22 Nov 1977				Calendar day: most Snow				17.5" on 10 Dec 1919			
	Any 24-hrs: most Rain				4.44", 18-19 th Nov 1996				Any 24-hrs: most Rain				4.30" on 6 th Dec 1933			
	Any 24-hrs: most Snow				6.1", 21-22 nd Nov 1977				Any 24-hrs: most Snow				17.5" on 10 th Dec 1919			

¹ Normals are 1991-2020. For snow, averages use 1893-1995 data (records 1893-1994, with spotty snow data 1995-present)
Daily and cumulative averages based on a daily value computed by normalizing monthly total across the entire month.

² Last year of multiple occurrences listed.

SALEM: Monthly & Annual Precipitation

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1892	M	M	M	M	M	M	M	M	M	M	M	6.08	M
1893	1.90	5.43	4.16	7.50	4.20	1.24	0.00	0.10	3.55	7.49	9.33	4.18	49.08
1894	9.92	4.32	10.13	3.68	2.24	3.50	0.19	0.00	2.27	4.39	2.19	4.62	47.45
1895	13.72	1.89	4.56	2.34	6.23	0.50	0.61	0.23	2.18	0.00	3.71	11.16	47.13
1896	6.35	3.31	2.69	6.12	5.54	0.99	0.00	1.00	0.66	2.97	16.99	8.31	54.93
1897	2.79	5.73	6.11	4.10	1.78	1.77	0.64	0.28	2.45	2.08	11.67	7.76	47.16
1898	3.43	5.64	2.15	2.44	1.75	1.61	0.40	0.06	1.13	4.65	6.82	4.31	34.39
1899	5.76	6.35	4.13	3.72	3.90	0.25	0.00	2.91	1.40	3.95	9.22	6.58	48.17
1900	4.15	2.98	4.25	2.60	3.90	2.20	0.62	0.00	M	4.70	2.76	6.86	35.02
1901	7.08	5.13	M	0.72	1.79	1.45	M	0.30	3.25	1.25	4.39	5.32	30.68
1902	1.48	7.90	6.00	3.71	3.59	0.90	M	M	0.42	1.07	7.98	7.49	40.54
1903	4.56	0.88	2.73	1.20	1.09	1.30	0.40	0.29	0.23	1.65	8.28	1.95	24.56
1904	3.78	9.47	9.04	1.68	0.43	0.32	0.80	0.14	0.42	2.82	6.53	6.65	42.08
1905	4.71	2.08	4.64	0.86	1.57	0.59	0.05	0.03	2.86	4.26	2.26	4.58	28.49
1906	5.42	5.78	1.94	1.58	1.85	2.50	T	T	1.92	2.38	5.99	4.65	34.01
1907	8.01	4.34	2.88	1.69	0.92	1.55	0.67	1.07	1.84	0.86	4.35	8.92	37.10
1908	3.71	2.66	2.63	1.99	2.38	1.06	0.02	0.52	0.30	4.88	3.61	2.90	26.66
1909	8.28	6.66	1.51	0.51	1.02	0.18	1.96	0.02	0.90	3.24	10.56	4.80	39.64
1910	5.63	4.92	1.24	2.20	1.58	1.19	0.00	0.02	1.26	1.80	8.03	4.02	31.89
1911	8.43	1.72	0.59	1.83	2.78	0.85	0.06	T	4.56	0.81	1.97	3.95	27.55
1912	5.52	3.94	1.79	2.03	2.40	2.70	0.32	1.81	1.49	3.22	5.78	4.72	35.72
1913	4.36	1.20	3.36	2.24	2.24	3.48	0.29	0.30	2.57	2.17	5.54	3.39	31.14
1914	8.71	4.12	2.56	2.59	1.96	1.85	0.00	0.00	4.84	3.34	3.38	2.52	35.87
1915	4.08	3.64	1.88	1.40	2.38	0.94	0.99	0.00	0.42	1.54	8.06	7.22	32.55
1916	5.39	6.43	9.96	2.59	2.58	1.31	2.72	0.35	1.17	1.43	7.12	4.71	45.76
1917	1.30	2.83	3.73	3.62	1.60	1.13	0.02	0.00	1.32	0.00	3.24	14.03	32.82
1918	4.39	5.68	3.81	1.22	1.08	0.00	0.67	0.67	0.17	2.83	3.94	3.76	28.22
1919	8.43	8.10	4.54	3.18	0.81	0.16	0.05	0.00	2.42	1.42	5.85	6.05	41.01
1920	2.98	0.34	4.24	3.37	0.25	2.69	0.55	0.95	4.45	4.97	6.76	8.29	39.84
1921	7.27	6.90	5.07	1.93	1.62	1.05	T	0.13	1.86	3.69	10.37	2.81	42.70
1922	3.11	4.33	6.14	2.16	0.93	0.03	0.00	1.49	1.97	4.91	2.57	10.41	38.05
1923	10.17	2.62	1.99	1.70	1.89	0.97	1.21	0.05	0.70	2.21	3.80	6.22	33.53
1924	3.54	2.59	1.29	1.10	0.61	0.22	T	0.53	2.37	8.31	7.98	4.61	33.15
1925	6.73	8.07	1.41	2.71	1.86	0.96	0.00	0.77	1.73	0.03	5.65	3.40	33.32
1926	3.21	8.91	0.64	0.49	2.95	0.24	0.00	2.42	1.89	4.28	9.30	4.84	39.17
1927	8.90	9.05	2.65	1.46	1.75	1.54	0.01	0.12	3.71	3.91	7.02	3.11	43.23
1928	4.83	1.29	8.00	5.21	0.45	0.85	0.05	0.00	0.78	1.78	7.15	7.64	38.03
1929	2.50	1.28	2.51	4.09	1.10	1.71	0.00	0.05	0.27	1.17	0.63	11.09	26.40
1930	3.98	6.43	1.93	3.95	1.75	0.99	0.01	0.01	2.03	1.92	3.75	3.30	30.05
1931	6.77	3.46	6.49	3.38	0.78	3.35	0.00	T	1.59	4.48	7.38	10.98	48.66
1932	6.08	2.00	6.06	3.38	3.06	0.22	0.65	0.54	0.01	4.33	7.96	7.77	42.06
1933	9.26	4.38	5.89	0.48	4.61	1.58	0.00	0.37	2.99	3.83	1.63	17.54	52.56
1934	6.40	1.59	3.89	2.33	1.35	0.34	0.30	0.27	0.43	3.64	9.49	9.38	39.41
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Precipitation

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1935	4.39	4.00	6.20	1.87	0.41	0.36	0.39	0.53	1.20	3.30	2.26	5.99	30.90
1936	10.22	5.57	3.13	1.13	3.41	1.11	0.49	T	1.49	0.21	0.48	6.37	33.61
1937	6.17	10.36	3.19	7.68	1.60	4.61	0.13	0.71	0.91	3.41	11.13	13.60	63.50
1938	4.48	7.60	8.42	2.27	0.78	0.08	0.36	0.06	1.38	3.68	4.26	5.18	38.55
1939	6.00	5.08	2.65	0.39	0.90	0.98	0.47	1.04	0.38	2.63	0.84	10.32	31.68
1940	4.75	11.66	5.94	1.99	2.17	0.07	0.62	T	2.36	3.79	4.55	5.03	42.93
1941	4.25	1.43	1.95	1.80	3.83	0.49	0.03	1.33	2.37	2.87	5.36	8.43	34.14
1942	4.79	3.10	1.27	1.74	4.58	1.69	0.92	0.04	0.01	2.04	13.38	11.70	45.26
1943	4.35	4.50	6.71	2.75	1.09	3.38	0.32	2.14	0.06	6.31	2.36	5.17	39.14
1944	5.27	3.53	1.64	2.75	0.93	0.50	0.05	0.05	1.97	1.54	4.30	2.67	25.20
1945	5.34	5.92	6.67	2.89	4.44	0.32	0.51	0.20	2.46	1.75	10.73	6.25	47.48
1946	6.57	5.77	5.72	1.14	1.15	1.28	0.72	0.09	1.89	4.55	8.04	4.45	41.37
1947	3.23	3.43	5.29	2.24	0.18	3.60	1.41	0.44	1.01	11.17	3.42	4.11	39.53
1948	6.73	6.35	5.01	3.85	4.15	0.38	0.60	0.52	2.60	2.26	7.56	9.14	49.15
1949	0.57	12.31	3.06	1.00	2.23	0.97	0.26	0.38	1.37	2.31	5.86	5.45	35.77
1950	11.70	6.22	4.86	1.88	1.21	2.80	0.18	0.35	0.84	10.74	9.67	6.10	56.55
1951	9.49	5.43	4.02	0.98	2.49	0.01	0.17	0.65	3.22	7.29	6.99	6.73	47.47
1952	6.60	4.86	2.59	1.57	0.20	2.64	T	T	0.20	0.83	1.73	8.63	29.85
1953	15.40	4.87	4.95	1.58	3.76	1.34	T	1.65	1.59	3.06	6.99	7.80	52.99
1954	9.99	5.87	3.02	2.70	1.34	2.47	0.31	0.72	1.28	3.45	5.07	6.26	42.48
1955	2.63	2.25	3.66	5.18	1.18	1.09	0.86	T	2.30	7.78	6.75	12.22	45.90
1956	12.68	5.42	5.91	0.64	1.61	1.20	T	0.37	0.87	6.50	1.03	2.94	39.17
1957	2.57	4.93	8.16	2.02	2.77	2.10	0.18	0.27	0.96	2.98	3.44	8.87	39.25
1958	8.80	7.04	2.50	3.71	1.38	2.53	T	0.03	1.00	2.23	7.18	4.71	41.11
1959	11.15	4.98	4.45	1.12	2.09	1.41	0.50	0.02	2.10	1.53	2.06	3.97	35.38
1960	4.41	5.41	6.99	3.50	3.59	0.47	T	0.65	0.65	2.75	9.45	3.24	41.11
1961	4.79	10.82	8.19	3.19	2.44	0.30	0.96	0.28	0.91	3.18	4.42	6.64	46.12
1962	1.11	3.97	5.65	3.03	2.11	0.69	T	0.70	1.53	4.55	8.54	3.01	34.89
1963	2.80	3.34	6.51	4.07	3.70	0.85	0.91	0.09	1.41	3.59	6.52	3.85	37.64
1964	11.19	0.78	3.55	1.28	0.59	1.73	0.45	0.41	0.74	0.93	8.44	12.40	42.49
1965	8.15	1.57	0.87	2.41	1.16	1.11	0.19	0.99	0.13	2.20	7.00	7.95	33.73
1966	6.60	2.24	6.08	1.07	0.78	0.58	0.53	0.40	1.66	2.06	5.88	7.32	35.20
1967	7.29	2.06	3.84	2.02	1.87	0.69	0.00	T	0.84	5.08	3.30	5.45	32.44
1968	6.37	7.73	3.32	1.47	3.46	1.29	0.39	4.17	2.48	6.14	6.49	11.05	54.36
1969	8.61	3.24	1.63	2.51	0.89	2.94	0.05	0.05	3.58	4.44	3.21	9.23	40.38
1970	13.47	4.46	1.92	2.63	1.36	0.85	0.01	T	1.81	3.25	7.18	9.74	46.68
1971	6.49	4.34	6.93	4.05	1.89	2.47	0.01	1.49	3.98	3.09	6.27	8.18	49.19
1972	7.98	4.68	4.96	3.79	2.40	0.69	0.12	0.14	2.07	0.70	3.77	8.70	40.00
1973	5.64	1.62	3.50	1.69	1.11	1.48	T	0.80	2.80	2.79	15.23	11.08	47.74
1974	10.89	5.56	7.95	1.48	0.90	0.41	1.80	0.11	0.28	2.15	7.42	6.94	45.89
1975	4.96	4.68	4.22	2.20	1.66	0.81	0.51	1.96	0.00	5.51	6.06	6.07	38.64
1976	5.47	6.92	3.66	2.00	1.33	1.04	0.67	1.89	1.13	1.51	1.13	1.26	28.01
1977	0.88	2.83	3.33	0.62	3.76	0.73	0.26	1.70	2.36	2.37	6.19	8.73	33.76
1978	5.67	3.54	1.23	3.50	2.97	0.48	1.07	2.56	2.64	0.37	4.50	2.64	31.17
1979	2.84	7.19	2.17	2.82	2.20	0.65	0.30	0.70	2.19	6.06	3.83	6.95	37.90
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Precipitation

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1980	6.58	4.04	3.48	3.58	1.53	1.99	0.22	0.04	1.05	1.45	5.24	10.44	39.64
1981	2.09	3.29	3.45	2.06	2.19	3.33	0.15	T	2.78	4.63	7.54	9.73	41.24
1982	6.11	6.02	2.81	3.80	0.73	1.36	0.33	0.41	1.83	3.04	4.92	9.26	40.62
1983	6.00	10.57	8.56	2.72	2.12	2.48	2.63	2.09	0.32	1.31	10.06	6.49	55.35
1984	2.34	5.50	4.40	3.74	3.32	4.19	0.03	T	1.19	4.31	12.70	3.71	45.43
1985	0.24	3.44	3.80	0.93	0.65	2.42	0.32	0.20	1.25	3.17	4.81	2.51	23.74
1986	6.25	8.26	2.89	1.30	2.22	0.42	1.23	T	3.12	2.71	7.24	3.86	39.50
1987	7.67	3.52	3.98	2.36	1.52	0.26	2.51	0.15	0.14	0.47	3.00	10.92	36.50
1988	6.78	0.75	3.34	3.56	2.39	1.97	0.03	0.00	0.98	0.12	9.50	3.23	32.65
1989	3.57	2.79	6.47	1.06	1.08	1.03	0.77	0.48	1.03	2.50	3.09	3.95	27.82
1990	8.51	5.31	2.39	1.67	1.94	1.09	0.47	0.85	0.42	5.63	4.91	2.82	36.01
1991	2.42	3.72	5.18	3.84	4.51	1.55	0.11	0.67	0.04	1.70	5.94	3.73	33.41
1992	4.76	4.46	0.89	4.35	0.05	1.12	0.50	0.38	0.70	3.52	4.84	7.83	33.40
1993	4.77	1.61	5.12	5.64	3.59	3.17	1.05	0.40	0.01	1.11	1.26	6.84	34.57
1994	4.28	4.21	2.56	2.16	1.61	1.14	T	0.05	1.64	7.96	7.09	4.91	37.61
1995	8.63	4.35	4.44	4.41	1.29	1.48	0.36	1.29	1.81	4.07	9.07	7.28	48.48
1996	8.26	13.01	3.08	5.72	3.21	0.74	0.90	0.20	1.94	4.78	10.11	15.01	66.96
1997	9.07	2.08	7.32	3.41	2.71	1.86	0.36	1.13	3.81	6.45	4.40	3.16	45.76
1998	9.06	6.18	4.96	1.63	5.56	0.98	0.10	0.04	0.68	2.52	11.70	8.66	52.07
1999	9.61	11.40	5.06	1.35	1.90	1.43	0.15	0.68	0.09	2.44	7.26	5.38	46.75
2000	7.05	6.92	2.98	1.29	1.56	0.71	0.09	0.03	0.75	2.40	2.53	3.62	29.93
2001	1.81	1.22	2.82	2.49	1.45	1.89	0.24	0.78	0.57	3.35	9.02	8.03	33.67
2002	8.93	3.54	4.47	1.77	1.35	1.22	0.07	0.02	0.98	0.47	3.84	11.20	37.86
2003	7.38	2.78	4.79	5.54	1.74	0.62	T	0.03	0.94	2.47	4.99	10.42	41.70
2004	6.65	5.10	1.43	2.13	2.06	1.78	0.09	1.04	2.08	3.30	2.14	3.89	31.69
2005	1.43	0.49	4.15	2.82	4.65	1.90	0.21	0.05	2.33	2.70	6.04	11.52	38.29
2006	13.37	2.12	4.17	2.46	2.88	0.65	0.07	T	0.54	0.65	15.15	7.35	49.41
2007	3.92	5.33	2.35	2.29	1.27	0.78	0.34	0.72	2.76	4.24	3.75	8.25	36.00
2008	8.34	1.89	3.54	1.97	0.43	0.74	T	1.28	0.41	0.96	3.59	6.02	29.17
2009	3.56	2.90	3.03	1.35	3.03	1.39	0.68	0.18	1.20	2.61	8.02	6.14	34.09
2010	5.85	4.07	5.20	4.35	3.47	2.64	0.04	0.20	2.07	5.22	6.44	9.95	49.50
2011	3.25	4.31	7.16	4.15	3.40	0.98	0.74	0.11	0.35	2.15	5.96	3.32	35.88
2012	11.29	4.14	9.98	3.08	2.31	2.20	0.07	T	0.04	5.94	8.92	7.40	55.37
2013	1.63	1.42	2.21	2.39	2.94	1.02	0.00	0.35	7.05	0.63	2.68	1.27	23.59
2014	2.26	7.01	7.32	2.71	2.07	0.64	0.46	0.35	1.20	5.80	4.87	6.87	41.56
2015	3.21	4.33	4.24	2.10	0.72	0.67	0.01	0.71	1.13	3.67	4.64	15.24	40.67
2016	7.82	2.91	6.36	2.05	1.17	1.00	0.45	0.41	1.54	11.25	6.90	5.15	47.01
2017	5.40	13.41	7.69	4.42	1.64	0.74	0.00	0.15	2.36	5.45	6.57	3.08	50.91
2018	7.33	2.21	3.21	5.28	0.21	0.56	T	T	0.35	1.97	3.86	6.04	31.02
2019	2.93	7.09	1.67	5.14	1.72	0.43	0.42	0.32	2.97	2.52	0.80	4.85	30.86
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual

SALEM: Monthly & Annual Precipitation

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2020	7.95	1.78	2.92	1.35	2.85	1.41	T	0.12	1.36	1.70	5.89	6.45	33.78
2021	8.50	5.02	2.33	1.27	0.94	1.72	0.02	0.02	2.89	2.71	5.50	9.90	40.82
2022	4.50	2.80	3.76	5.36	4.08	2.75	0.10	0.15	0.29	1.77	7.87	5.57	39.00
2023	3.49	2.84	5.17	5.19	0.61	0.44	T	0.86	2.49	2.73	5.22	7.62	36.66
2024	10.18												
2025													
2026													
2027													
2028													
2029													
2030													
2031													
2032													
2033													
2034													
norm	6.08	4.54	4.35	3.12	2.25	1.25	0.25	0.39	1.46	3.47	5.95	6.97	40.08

Progression of Salem's 30-Year Climatic Normals for Precipitation

period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1890-1920	5.75	4.84	4.00	2.46	1.74	1.21	0.35	0.44	1.78	2.91	5.33	6.94	37.73
1921-1950	5.72	5.49	4.19	2.39	1.93	1.22	0.32	0.49	1.49	3.70	5.96	7.12	40.02
1931-1960	6.70	5.31	4.68	2.33	2.11	1.45	0.35	0.45	1.38	3.91	5.71	7.37	41.75
1941-1970	6.90	4.79	4.33	2.29	2.09	1.39	0.35	0.57	1.46	3.98	6.08	6.85	41.08
1951-1980	7.05	4.56	4.31	2.41	1.95	1.23	0.35	0.76	1.59	3.33	5.71	7.10	40.35
1961-1990	5.92	4.50	4.17	2.42	1.88	1.34	0.56	0.76	1.55	2.98	6.28	6.80	39.16
1971-2000	5.84	5.09	4.17	2.76	2.13	1.45	0.57	0.68	1.43	3.03	6.39	6.46	40.00
1971-2000¹	5.96	4.56	3.99	2.81	2.22	1.55	0.46	0.45	1.28	3.03	6.50	6.86	39.67
1981-2010	5.75	4.84	4.00	2.46	1.74	1.21	0.35	0.44	1.78	2.91	5.33	6.94	37.73
1991-2020	6.08	4.54	4.35	3.12	2.25	1.25	0.25	0.39	1.46	3.47	5.95	6.97	40.08
2001-2030													

¹The 1970-2000 normals were recalculated, using a more robust methodology. This is the same that was used to calculate the 1981-2010 normals.

Salem Water Year Data

Water Year is defined as 1 October through 30 September, and captures the rainy season

Season	Total	Season	Total	Season	Total	Season	Total
1890-91	-	1925-26	29.83	1960-61	47.32	1995-96	57.48
1891-92	M	1926-27	47.61	1961-62	33.00	1996-97	61.65
1892-93	M	1927-28	35.50	1962-63	39.78	1997-98	43.20
1893-94	57.25	1928-29	30.08	1963-64	34.68	1998-99	54.55
1894-95	43.46	1929-1930	33.97	1964-65	38.35	1999-2000	36.46
1895-96	41.53	1930-31	34.79	1965-66	37.09	2000-01	21.82
1896-97	53.92	1931-32	44.84	1966-67	33.87	2001-02	42.75
1897-98	40.12	1932-33	49.62	1967-68	44.51	2002-03	39.33
1898-99	44.20	1933-34	39.90	1968-69	47.18	2003-04	40.24
1899-1900	40.45	1934-35	41.86	1969-70	43.39	2004-05	27.36
1900-01	34.04	1935-36	38.10	1970-71	51.82	2005-06	46.52
1901-02	34.96	1936-37	42.42	1971-72	44.37	2006-07	42.91
1902-03	29.22	1937-38	53.57	1972-73	31.81	2007-08	34.84
1903-04	37.96	1938-39	31.01	1973-74	58.48	2008-09	27.89
1904-05	33.39	1939-40	43.35	1974-75	37.51	2009-10	44.66
1905-06	32.09	1940-41	30.85	1975-76	41.75	2010-11	46.06
1906-07	35.99	1941-42	34.80	1976-77	20.37	2011-12	44.54
1907-08	29.40	1942-43	52.42	1977-78	40.95	2012-13	41.27
1908-09	32.43	1943-44	30.53	1978-79	28.57	2013-14	28.60
1909-10	36.64	1944-45	37.26	1979-80	39.35	2014-15	34.66
1910-11	34.67	1945-46	43.06	1980-81	36.47	2015-16	47.26
1911-12	28.73	1946-47	37.87	1981-82	45.30	2016-17	59.11
1912-13	33.76	1947-48	48.89	1982-83	54.71	2017-18	34.25
1913-14	37.73	1948-49	41.11	1983-84	42.57	2018-19	34.56
1914-15	24.97	1949-50	43.66	1984-85	33.97	2019-20	27.91
1915-16	49.32	1950-51	52.97	1985-86	36.18	2020-21	36.75
1916-17	28.81	1951-52	39.67	1986-87	35.92	2021-22	41.90
1917-18	34.96	1952-53	46.33	1987-88	34.19	2022-23	36.30
1918-19	38.22	1953-54	45.55	1988-89	31.13	2023-24	
1919-20	33.14	1954-55	33.93	1989-90	32.19	2024-25	
1920-21	45.85	1955-56	55.45	1990-91	35.40	2025-26	
1921-22	37.03	1956-57	34.43	1991-92	28.58	2026-27	
1922-23	39.19	1957-58	42.28	1992-93	41.55	2027-28	
1923-24	24.48	1958-59	41.94	1993-94	26.86	2028-29	
1924-25	45.14	1959-60	33.23	1994-95	48.02	2029-30	

Climatic Normal (1991-2020) Water Year: 40.08 inches

Record Wettest Water Year 1996-97 with 61.65 inches
Record Driest Water Year 1976-77 with 20.37 inches

Salem's Record Top 5 Driest/Wettest Months¹

January			
Wettest		Driest	
15.40	1953	0.24	1985
13.72	1895	0.57	1949
13.47	1970	0.88	1977
13.37	2006	1.11	1962
12.68	1956	1.30	1917
<i>normal for month: 6.08"</i>			

February			
Wettest		Driest	
13.41	2017	0.34	1920
13.01	1996	0.49	2005
12.31	1949	0.75	1988
11.66	1940	0.78	1964
11.40	1999	0.88	1903
<i>normal for month: 4.54"</i>			

March			
Wettest		Driest	
10.13	1894	0.59	1911
9.98	2012	0.64	1926
9.96	1916	0.87	1965
9.04	1904	0.89	1992
8.56	1983	1.23	1978
<i>normal for month: 4.35"</i>			

April			
Wettest		Driest	
7.68	1937	0.39	1939
7.50	1893	0.48	1933
6.12	1896	0.49	1926
5.72	1996	0.51	1909
5.64	1993	0.62	1977
<i>normal for month: 3.12"</i>			

May			
Wettest		Driest	
6.23	1895	0.05	1992
5.56	1998	0.18	1947
5.54	1896	0.20	1952
4.65	2005	0.21	2018
4.61	1933	0.25	1920
<i>normal for month: 2.25"</i>			

June			
Wettest		Driest	
4.61	1937	0.00	1918
4.19	1984	0.01	1951
3.60	1947	0.03	1922
3.50	1894	0.07	1940
3.48	1913	0.08	1938
<i>normal for month: 1.25"</i>			

July			
Wettest		Driest	
2.72	1916	0.00	2017
2.63	1983	<i>0.00 also in 2013, 1967, 1933, 1931, 1929, 1926, 1925, 1922, 1914, 1910, 1899, 1896, 1893</i>	
2.51	1987		
1.96	1909		
1.80	1974		
<i>normal for month: 0.25"</i>			

August			
Wettest		Driest	
4.17	1968	0.00	1988
2.91	1899	<i>0.00 also in, 1928, 1919, 1917, 1915, 1914, 1900, 1894</i>	
2.56	1978		
2.42	1926		
2.14	1943		
<i>normal for month: 0.39"</i>			

September			
Wettest		Driest	
7.05	2013	0.00	1975
4.84	1914	0.01	1993
4.56	1911	0.01	1942
4.45	1920	0.01	1932
3.98	1971	0.04	2012
<i>normal for month: 1.46"</i>			

October			
Wettest		Driest	
11.25	2016	0.00	1917
11.17	1947	0.00	1895
10.74	1950	0.03	1925
8.31	1924	0.12	1988
7.96	1994	0.21	1936
<i>normal for month: 3.47"</i>			

November			
Wettest		Driest	
16.99	1896	0.48	1936
15.23	1973	0.63	1929
15.15	2006	0.80	2019
13.38	1942	0.84	1939
12.70	1984	1.03	1956
<i>normal for month: 5.95"</i>			

December			
Wettest		Driest	
17.54	1933	1.26	1976
15.24	2015	1.27	2013
15.01	1996	1.95	1903
14.03	1917	2.51	1985
13.60	1937	2.52	1914
<i>normal for month: 6.97"</i>			

¹Period of Record: Dec 1892 through Jan 2024. Normals are 1991-2020 normals.

Salem's Record Top 5 Driest and Wettest Years/Seasons

1892 through 2023, with 1991-2020 Normals

Calendar Year 1 January to 31 December			
<i>Wettest</i>		<i>Driest</i>	
66.96	1996	23.59	2013
63.50	1937	23.74	1985
56.55	1950	25.20	1944
55.37	2012	26.40	1929
55.35	1983	26.66	1908
<i>normal: 40.08"</i>			

Water Year 1 October to 30 September			
<i>Wettest</i>		<i>Driest</i>	
61.65	1996-97	20.37	1976-77
59.11	2016-17	21.82	2000-01
58.48	1973-74	24.48	1923-24
57.48	1995-96	24.97	1914-15
57.25	1893-94	26.86	1993-94
<i>normal: 40.08"</i>			

Late Spring 1 May to 30 June			
<i>Wettest</i>		<i>Driest</i>	
7.51	1984	0.75	1904
6.83	2022	0.77	2018
6.76	1993	0.77	1935
6.73	1895	0.83	1924
6.55	2005	0.86	1938
<i>normal: 3.49"</i>			

Spring Season 20 March to 21 June			
<i>Wettest</i>		<i>Driest</i>	
14.35	1937	2.16	1909
14.24	1993	2.29	1939
14.15	2010	2.49	1924
13.91	1896	2.63	1966
13.87	1993	3.31	1901
<i>normal: 7.93"</i>			

Winter Season 21 December to 20 March			
<i>Wettest</i>		<i>Driest</i>	
28.52	1998-99	3.61	2004-05
27.98	1937-38	5.57	2000-01
26.24	1952-53	5.85	1984-85
25.92	2005-06	6.95	2012-13
25.85	1955-56	7.20	1916-17
<i>normal: 15.87"</i>			

Summer Season 21 June to 22 September			
<i>Wettest</i>		<i>Driest</i>	
7.23	1968	0.14	1929
6.25	1978	0.26	2022
6.14	1969	0.33	2018
5.93	1983	0.45	1957
5.66	1914	0.47	1902
<i>normal: 1.90"</i>			

Early Autumn 15 September to 31 October			
<i>Wettest</i>		<i>Driest</i>	
12.44	2016	0.03	1917
11.58	1950	0.31	1936
11.18	1947	0.46	1895
10.68	1924	0.55	1987
10.17	1951	0.56	1978
<i>normal: 4.51"</i>			

Rainy Season 1 October to 31 March			
<i>Wettest</i>		<i>Driest</i>	
53.50	1973-74	10.94	1976-77
50.76	1955-56	14.40	2000-01
49.80	2016-17	15.40	2004-05
48.95	1998-99	17.98	1911-12
48.64	1937-38	18.84	1914-15
<i>normal: 31.49"</i>			

Deep Summer 5 July to 4 September			
<i>Wettest</i>		<i>Driest</i>	
4.56	1968	0.00	1914
4.24	1983	0.00	1902
4.12	1978	Trace	2018
3.56	1899	Trace	2012
3.30	1971	Trace	1967
<i>normal: 0.67"</i>			

Autumn 22 September to 21 December			
<i>Wettest</i>		<i>Driest</i>	
28.51	1973	2.99	1976
26.02	1950	3.68	1936
25.15	1896	5.10	1911
24.74	1955	6.76	1959
22.50	2016	7.44	1944
<i>normal: 14.80"</i>			

Deep Rainy Season 15 November to 15 January			
<i>Wettest</i>		<i>Driest</i>	
27.08	1955-56	2.63	1976-77
26.12	1996-97	4.17	2013-14
24.99	1973-74	5.61	2004-05
22.38	1937-38	5.65	1956-57
21.54	1933-34	5.72	1918-19
<i>normal: 13.71"</i>			

Deep Winter 15 December to 10 February			
<i>Wettest</i>		<i>Driest</i>	
24.43	2005-06	1.87	1976-77
20.74	1955-56	2.57	2004-05
19.95	1952-53	3.22	1916-17
19.58	1969-70	3.89	2013-14
19.30	1937-38	4.45	2000-01
<i>normal: 10.39"</i>			

Salem's Top 10 Wettest Calendar Days¹ of Each Month

Rank	January		February		March	
1	3.86"	18 Jan 1911	2.99"	1 Feb 1937	2.55"	31 Mar 1943
2	3.30"	2 Jan 1933	2.95"	17 Feb 1949	2.00"	29 Mar 1963
3	3.07"	20 Jan 1972	2.80"	6 Feb 1943	1.90"	28 Mar 1934
4	2.68"	3 Jan 1895	2.64"	17 Feb 1995	1.87"	9 Mar 1966
5	2.63"	15 Jan 1974	2.44"	5 Feb 2017	1.83"	25 Mar 1935
6	2.51"	3 Jan 1907	2.35"	9 Feb 1961	1.72"	31 Mar 1931
7	2.47"	18 Jan 2012	2.32"	7 Feb 1996	1.69"	15 Mar 1894
8	2.42"	6 Jan 1948	2.24"	16 Feb 1970	1.67"	21 Mar 1948
9	2.34"	3 Jan 2022	2.17"	5 Feb 1996	1.57"	17 Mar 1921
10	2.30"	27 Jan 1967	2.16"	6 Feb 1938	1.54"	18 Mar 1938
Rank	April		May		June	
1	2.21"	13 Apr 1937	1.76"	17 May 1991	1.63"	6 Jun 1985
2	1.64"	7 Apr 2018	1.56"	31 May 1997	1.60"	10 Jun 1950
3	1.60"	1 Apr 1931	1.47"	5 May 1963	1.47"	18 Jun 1931
4	1.58"	12 Apr 1955	1.36"	16 May 1972	1.28"	20 Jun 1984
5	1.54"	9 Apr 1971	1.32"	26 May 1895	1.26"	14 Jun 1957
6	1.39"	14 Apr 1929	1.30"	1 May 1949	1.25"	20 Jun 1912
7	1.36"	10 Apr 2023	1.30"	14 May 1902	1.22"	21 Jun 1937
8	1.36"	17 Apr 1908	1.26"	3 May 1948	1.13"	20 Jun 1937
9	1.22"	12 Apr 2003	1.20"	3 May 1942	1.11"	4 Jun 1993
10	1.21"	6 Apr 2019	1.19"	13 May 1978	1.11"	7 Jun 1981
Rank	July		August		September	
1	1.80"	18 Jul 1987	1.14"	31 Aug 1971	2.11"	5 Sep 1911
2	1.12"	5 Jul 1909	1.07"	24 Aug 1968	1.82"	5 Sep 2013
3	0.98"	2 Jul 1916	0.98"	29 Aug 1983	1.76"	17 Sep 1969
4	0.92"	18 Jul 1983	0.92"	23 Aug 1968	1.63"	29 Sep 2013
5	0.87"	5 Jul 1961	0.85"	29 Aug 1943	1.36"	2 Sep 1979
6	0.86"	4 Jul 1986	0.83"	23 Aug 1977	1.36"	1 Sep 1971
7	0.84"	15 Jul 1978	0.75"	11 Aug 1922	1.35"	26 Sep 1981
8	0.83"	16 Jul 1916	0.73"	31 Aug 1939	1.33"	28 Sep 2013
9	0.76"	6 Jul 1909	0.71"	22 Aug 1925	1.29"	30 Sep 1951
10	0.69"	17 Jul 1996	0.70"	31 Aug 2023	1.24"	27 Sep 1927
Rank	October		November		December	
1	2.71"	31 Oct 1994	3.60"	8 Nov 1896	4.30"	6 Dec 1933
2	2.53"	27 Oct 1994	3.11"	19 Nov 1897	2.91"	29 Dec 1937
3	2.45"	13 Oct 2016	3.00"	14 Nov 1896	2.90"	27 Dec 1937
4	2.44"	9 Oct 1955	3.00"	29 Nov 1893	2.57"	19 Dec 1917
5	2.20"	17 Oct 1898	2.85"	19 Nov 1996	2.55"	4 Dec 1989
6	2.07"	15 Oct 1947	2.74"	15 Nov 1950	2.50"	18 Dec 1917
7	2.02"	1 Oct 1951	2.57"	24 Nov 1960	2.49"	21 Dec 1964
8	1.90"	7 Oct 1893	2.54"	15 Nov 1896	2.38"	27 Dec 1998
9	1.85"	31 Oct 2015	2.48"	10 Nov 1928	2.36"	14 Dec 1929
10	1.77"	28 Oct 1924	2.47"	26 Nov 1945	2.31"	17 Dec 2015

¹Day is the calendar day, midnight to midnight. Period of record is February 1892 to January 2024.

Salem's Short-Term Duration Precipitation Records

	Most in 5 minutes		Most in 10 minutes		Most in 15 minutes		Most in 30 minutes	
	Rain	Date	Rain	Date	Rain	Date	Rain	Date
Jan	0.31"	5 th /1993	0.31"	5 th /1993	0.32"	5 th /1993	0.32"	5 th /1993
Feb	0.17"	22 nd /2002	0.27"	22 nd /2002	0.38"	22 nd /2002	0.51"	22 nd /2002
Mar	0.18"	31 st /1983	0.31"	31 st /1983	0.37"	31 st /1983	0.43"	31 st /1983
Apr	0.15"	22 nd /2016	0.20"	22 nd /2016	0.23"	16 th /1992	0.31"	12 th /2003
May	0.25"	17 th /2004	0.39"	17 th /2004	0.48"	17 th /2004	0.52"	17 th /2004
Jun	0.22"	29 th /1983	0.27"	29 th /1983	0.36"	4 th /1993	0.62"	4 th /1993
Jul	0.23"	18 th /1983	0.44"	18 th /1983	0.57"	18 th /1983	0.78"	18 th /1983
Aug	0.12"	31 st /1983	0.17"	31 st /1983	0.18"	31 st /1983	0.22"	25 th /1978
Sept	0.29"	10 th /2019	0.51"	10 th /2019	0.69"	10 th /2019	0.88"	10 th /2019
Oct	0.18"	31 st /2010	0.34"	31 st /2010	0.39"	31 st /2010	0.51"	31 st /2010
Nov	0.16"	7 th /2013	0.21"	19 th /2012	0.31"	19 th /2012	0.58"	19 th /2012
Dec	0.15"	10 th /2015	0.24"	10 th /2015	0.28"	10 th /2015	0.31"	10 th /2015
<i>All-Time</i>	0.31"	5 Jan 1993	0.51"	10 Sep 2019	0.69"	10 Sep 2019	0.88"	10 Sep 2019
	Most in 1 hour		Most in 2 hours		Most in 3 hours		Salem <i>Airport Data 1951 – 2023</i>	
	Rain	Date	Rain	Date	Rain	Date		
Jan	0.52"	14 th /1980	0.81"	20 th /1953	1.16"	20 th /1953		
Feb	0.78"	16 th /2017	0.98"	16 th /2017	1.08"	16 th /2017		
Mar	0.45"	31 st /1983	0.63"	31 st /1983	0.71"	31 st /1983		
Apr	0.47"	12 th /2003	0.52"	14 th /2010	0.72"	12 th /2003		
May	0.52"	17 th /2004	0.68"	31 st /1997	0.89"	31 st /1997		
Jun	0.77"	4 th /1993	0.92"	4 th /1993	1.04"	4 th /1993		
Jul	0.92"	18 th /1983	1.16"	18 th /1983	1.20"	18 th /1983		
Aug	0.26"	23 rd /1968	0.36"	31 st /1971	0.48"	31 st /1971		
Sept	1.14"	5 th /2013	1.27"	5 th /2013	1.32"	5 th /2013		
Oct	0.62"	31 st /2010	0.89"	31 st /2015	1.28"	31 st /2015		
Nov	0.83"	19 th /2012	1.07"	19 th /2012	1.27"	19 th /2012		
Dec	0.49"	6 th /1953	0.68"	17 th /2015	0.98"	4 th /1989		
<i>All-Time</i>	1.14"	5 Sep 2013	1.27"	5 Sep 2013	1.32"	5 Sep 2013		

¹ Most recent date of multiple occurrences is listed.

	Greatest Rainfall in any 24-hour period				
	Rain	Date	Rain	Date	
January	3.86"	18 Jan 1911	July	1.92"	17-18 Jul 1987
February	3.16"	16-17 Feb 1949	August	2.00"	20 Aug 2002
March	2.55"	31 Mar 1943	September	2.11"	5 Sep 1911
April	2.29"	7-8 Apr 2018	October	4.08"	26-27 Oct 1994
May	2.23"	16-17 May 1991	November	4.44"	18-19 Nov 1996
June	1.81"	4-5 Jun 1993	December	4.30"	6 Dec 1933
All-Time (Dec 1892 through Dec 2023)			4.44"	18-19 Nov 1996	

Number of Days per Month/Year with Rainfall...

Period of Record: 1892 through Jan 2024

	≥ 0.01 inch					≥ 0.10 inch				
	norm ¹	Most Days		Least Days		norm ¹	Most Days		Least Days	
January	18	30	1950	5	1985	13	23	2006	1	1985
February	16	26	1961	5	1920	10	23	1961	2	2005 ²
March	18	27	2011	3	1965	11	22	1897	3	1992 ²
April	16	25	2003	4	1951	10	23	1893	1	1977
May	12	22	1933	1	1924	6	16	2005	0	2018 ²
June	8	18	1954	0	1918	4	12	1947	0	1951 ²
July	2	12	1983	0	2023 ²	1	6	1974 ²	0	2023 ²
August	3	13	1968	0	2018 ²	1	11	1968	0	2022 ²
September	6	16	1977	0	1975 ²	3	10	2013 ²	0	2012 ²
October	13	27	2016	0	1917	7	21	2016	0	1988 ²
November	18	28	1973	4	1936	12	24	1983	1	1936 ²
December	19	28	1933	8	2011	13	23	1996	3	2013 ²
Year	148	181	1937	85	1895	92	131	1983	61	1929
Water Year	148	181	1932-33	91	1895-96	92	126	1915-16	57	1976-77

	≥ 0.50 inch					≥ 1.00 inch				
	norm ¹	Most Days		Least Days		norm ¹	Most Days		Least Days	
January	4	13	1970	0	2013 ²	1	6	1895	0	2023 ²
February	3	11	1999	0	2023 ²	1	5	1996 ²	0	2023 ²
March	3	10	1916	0	2019 ²	1	3	2012 ²	0	2022 ²
April	1	6	1937	0	2021 ²	~0	2	1971 ²	0	2022 ²
May	1	6	1895	0	2023 ²	~0	2	1963	0	2023 ²
June	1	5	1894	0	2023 ²	0	2	1937	0	2023 ²
July	~0	2	1983 ²	0	2023 ²	0	1	1987 ²	0	2023 ²
August	~0	4	1899	0	2022 ²	0	1	1971 ²	0	2023 ²
September	1	6	1914	0	2022 ²	0	3	2013	0	2023 ²
October	2	9	1950	0	2013 ²	1	4	2016 ²	0	2022 ²
November	4	14	1973	0	2019 ²	1	7	2006	0	2019 ²
December	5	15	1936	0	2013 ²	2	6	2005	0	2017 ²
Year	25	49	1996	8	1903	6	16	1937	1	2004²
Water Year	25	43	1982-83	8	1976-77	6	14	1955-56	0	1976-77

¹Normal are the 1991-2020 normals, rounded. Annuals are not the sum total of the months, but based on actual year's totals.

²Last year of multiple occurrences listed.

Salem's Streaks of CONSECUTIVE Rainy Days

≥0.01	<i>Avg¹</i>	Record Consecutive Days		
		days	year & dates occurred	
January	4	30	1950	1 st – 30 th
February	4	25	1919	4 th – 28 th
March	3	16	2016	1 st – 16 th
April	3	17	2003	1 st – 17 th
May	3	12	1945	9 th – 20 th
June	2	9	1995 ²	12 th – 20 th
July	2	5	1963	6 th – 10 th
August	2	8	1977	23 rd – 30 th
September	2	9	2004	11 th – 19 th
October	3	16	2016	12 th – 27 th
November	4	25	1983	1 st – 25 th
December	4	21	1933 ²	10 th – 30 th
All Time		33	29 De 1949-30 Ja 1950	
≥0.10	<i>Avg¹</i>	Record Consecutive Days		
		days	year & dates occurred	
January	2	16	1970	12 th – 27 th
February	2	14	1961	5 th – 14 th
March	2	11	1984 ²	11 th – 21 st
April	2	8	1930	21 st – 28 th
May	2	8	1900	4 th – 11 th
June	1	7	1969 ²	22 nd – 28 th
July	1	3	1987 ²	16 th – 18 th
August	1	6	1968	22 nd – 27 th
September	2	6	1997 ²	13 th – 18 th
October	2	10	1975	21 st – 30 th
November	3	16	1983	5 th – 20 th
December	3	13	2015 ²	1 st – 13 th
All Time		20	19 Nov-8 Dec 1921	
≥0.25	<i>Avg¹</i>	Record Consecutive Days		
		days	year & dates occurred	
January	2	16	1970	23 rd – 31 st
February	2	8	1927	16 th – 23 rd
March	2	8	1916	2 nd – 9 th
April	1	5	1984	7 th – 11 th
May	1	5	1945	11 th – 15 th
June	1	6	1937	16 th – 21 st
July	1	3	1923	5 th – 7 th
August	1	3	1983 ²	28 th – 30 th
September	1	6	1914	14 th – 19 th
October	2	7	1924 ²	25 th – 31 st
November	2	11	1915	15 th – 25 th
December	2	9	1996	23 rd – 31 st
All Time		12	12-27 Jan 1970	

Streaks with Rainfall of ≥ Trace

1. **51** days 1964-65 21 Nov-10 Jan
2. 36 days 2005-06 17 Dec-21 Jan
3. 35 days 1949-50 29 Dec-1 Feb
4. 34 days 1948 12 Nov-15 Dec
5. 33 days 1983 6 Feb-10 Mar
6. 33 days 1953 10 Nov-12 Dec

Streaks with Rainfall of ≥ 0.01 inch

1. **33** days 1949-50 29 Dec-30 Jan
2. 31 days 1919 4 Feb-6 Mar
3. 29 days 1922-23 18 Dec-15 Jan
4. 28 days 2003-04 23 Dec-19 Jan
5. 28 days 1983 29 Oct-25 Nov

Streaks with Rainfall of ≥ 0.10 inch

1. **18** days 1925 26 Jan-12 Feb
3. 16 days 1983 5-20 Nov
4. 16 days 1970 12-27 Jan
5. 16 days 1965-66 23 Dec-7 Jan
6. 15 days 1998 19 Nov-3 Dec
7. 15 days 1920 24 Dec-7 Jan

Streaks with Rainfall of ≥ 0.25 inch

1. **16** days 1970 12-27 Jan
2. 12 days 1965-66 26 Dec-6 Jan
3. 12 days 1936 6-17 Jan
4. 11 days 1996-97 23 Dec-2 Jan

Streaks with Rainfall of ≥ 0.50 inch

1. **9** days 1973 8-16 Nov
2. 7 days 1972 17-23 Dec
3. 7 days 1899 25 Nov-1 Dec
4. 6 days 1996-97 28 Dec-2 Jan
6 days also in 1933, 1929 and 1924

Streaks with Rainfall of ≥ 1.00 inch

1. **4** days 1996 5-8 Feb
2. **4** days 1895 1-4 Jan
3. 3 days 2012 17-19 Jan
3-day strings also nine other times

Streaks with Rainfall of ≥ 2.00 inches

1. **3** days 2012 17-19 Jan
2. **3** days 1996 5-7 Feb
3. 2 days 1996 18-19 Nov
2-day strings also five other times

¹ Period of record (1893-2023) average.

² Most recent date of multiple occurrences.

Salem: DRY Days Each Month and Dry Spells (Consecutive DRY Days)

≤ Trace	Avg ¹	Days with Rainfall Trace or Less			
		Least Days		Most Days	
		days	year	days	year
January	13	1	1950	26	1985
February	13	2	1961	24	1920
March	14	4	2011	28	1965
April	17	5	2003	26	1951
May	20	9	1933	30	1924
June	23	12	1954	30	1918
July	28	19	1983	31	2020 ²
August	28	18	1968	31	2018 ²
September	24	14	1977	30	1975
October	19	4	2016	31	1917 ²
November	13	2	1973	26	1936
December	12	3	1933	23	2011
Year	219	184	1937	280	1895

Zero	Avg ¹	Days with <u>NO</u> Rain Not Even A Drop!			
		Least Days		Most Days	
		days	year	days	year
January	9	0	1950	27	1897
February	10	1	1961	23	1920
March	10	1	2011 ²	26	1896
April	11	3	1963	26	1951
May	16	7	2011 ²	28	1924
June	18	8	2011	30	1918
July	26	15	1983	31	2017 ²
August	25	14	1968	31	1988 ²
September	21	12	1959	30	1975
October	15	3	2016	31	1917
November	9	1	1983	26	1936
December	9	0	1964	22	1985
Year	181	137	2011	280	1895

≤ Trace	Avg ¹	CONSECUTIVE Days with Rainfall of a Trace or Less		
		days	date of streak	
January	3	18	1897	1 st – 17 th
February	3	17	1943 ²	12 th – 28 th
March	3	24	1965	1 st – 23 rd
April	3	26	1951	1 st – 25 th
May	4	27	1924	5 th – 31 st
June	6	30	1918	1 st – 30 th
July	12	31	2023 ²	1 st – 31 st
August	11	31	2018 ²	1 st – 31 st
September	6	30	1975	1 st – 30 th
October	4	31	1917 ²	1 st – 31 st
November	3	16	1905	1 st – 16 th
December	3	22	1985	9 th – 30 th
All Time		91	2018	12 Jun-9 Sep

Zero	Avg ¹	CONSECUTIVE Days with <u>NO</u> Rainfall Not Even A Drop!		
		days	date of streak	
January	3	18	1897	1 st – 18 th
February	3	14	2015	11 th – 24 th
March	3	16	1896	7 th – 22 nd
April	3	26	1951	1 st – 26 th
May	4	25	1928	2 nd – 26 th
June	5	30	1918	1 st – 30 th
July	8	31	2017 ²	1 st – 31 st
August	8	31	1988 ²	1 st – 31 st
September	5	30	1975	1 st – 30 th
October	3	31	1917 ²	1 st – 31 st
November	3	16	1905	1 st 16 th
December	2	22	1985	9 th -30 th
All Time		73	26 Jun-6 Sep	1914

¹Averages are from period of record (1892-2023).
Year average is based on actual annual values, and is not the sum of months.
²Last of several occurrences.

Streaks with Rainfall of a Trace or Less

1. 91 days 2018 12 Jun – 10 Sept
2. 87 days 2015 3 Jun – 28 Aug
3. 79 days 1967 23 Jun – 9 Sept

Streaks with No Rainfall (Not a drop!)

1. 73 days 1914 26 Jun – 6 Sept
2. 66 days 1952 30 Jun – 3 Sept
3. 64 days 1929 20 Jun – 22 Aug
4. 62 days 1928 6 Jul – 5 Sept
5. 61 days 1918 19 May – 18 Jul
6. 57 days 1900 6 Jun – 31 Aug
7. 57 days 1895 5 Jul – 30 Aug

Days per Month with No Rain (N), Trace Only (T) or Measurable Rain (R)

	Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sept			Oct			Nov			Dec		
	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T
1893	24	0	7	10	0	18	12	0	19	7	0	23	18	0	13	25	0	5	31	0	0	30	0	1	19	0	11	18	0	13	13	0	17	17	0	14
1894	7	0	24	14	0	14	12	0	19	21	0	9	26	0	5	21	0	9	28	0	3	31	0	0	19	0	11	15	0	16	20	0	10	16	0	15
1895	18	0	13	23	0	5	23	0	8	21	0	9	19	0	12	28	0	2	30	0	1	30	0	1	23	0	7	31	0	0	21	0	9	13	0	18
1896	16	0	15	20	0	9	26	0	5	17	0	13	17	0	14	25	0	5	31	0	0	29	0	2	29	0	1	25	0	6	14	0	16	14	0	17
1897	26	0	5	5	0	23	5	0	26	19	0	11	22	0	9	21	2	7	28	0	3	28	0	3	18	1	11	22	1	8	10	0	20	11	0	20
1898	14	0	16	10	0	18	20	0	11	21	0	9	19	0	12	22	0	8	29	0	2	29	0	2	24	0	6	20	0	11	12	0	18	18	0	13
1899	11	0	19	15	0	13	17	0	14	16	0	14	18	0	13	28	0	2	31	0	0	23	0	8	25	0	5	21	0	10	8	0	22	14	0	17
1900	18	0	13	15	0	13	19	0	12	19	0	11	20	0	11	24	0	6	29	0	2	31	0	0	M	M	M	17	0	14	19	0	11	15	0	16
1901	18	0	12	15	0	13	M	M	M	24	0	6	22	0	9	19	5	6	M	M	M	30	0	1	23	0	7	25	3	3	15	0	14	21	0	10
1902	18	0	13	7	0	19	12	0	19	15	0	15	15	0	16	26	0	4	M	M	M	M	M	M	25	0	5	21	0	10	8	0	22	9	0	22
1903	16	0	15	20	0	8	21	0	10	16	0	13	20	0	11	23	0	7	29	0	2	22	4	5	23	2	5	21	0	10	7	0	23	18	0	13
1904	11	1	19	4	1	24	5	0	26	15	1	14	25	2	4	26	1	3	26	1	4	30	0	1	26	1	3	22	0	9	8	1	21	11	0	19
1905	13	1	17	14	2	12	11	2	18	17	3	10	16	2	13	23	0	7	30	0	1	28	1	2	19	0	11	15	0	14	23	0	7	12	0	19
1906	9	2	20	13	0	15	13	1	17	20	1	9	15	2	14	13	4	13	30	1	0	30	1	0	21	3	6	14	3	14	8	2	20	9	1	21
1907	15	2	14	16	3	9	11	6	14	21	1	8	23	2	6	17	3	9	27	1	3	25	1	5	20	4	6	25	0	4	14	1	15	7	1	23
1908	11	2	18	11	3	15	11	5	15	19	3	8	11	6	14	22	2	6	28	2	1	24	3	4	24	3	3	17	4	10	16	2	12	16	2	13
1909	8	1	22	3	1	24	16	3	12	20	5	5	19	5	7	23	3	4	23	5	3	28	2	1	24	1	5	20	0	11	3	0	27	17	0	14
1910	7	4	20	7	3	18	16	6	9	15	4	11	20	4	7	23	4	3	31	0	0	29	1	1	19	5	6	21	1	9	11	1	18	11	1	19
1911	15	1	15	12	3	13	21	1	9	22	1	7	13	3	15	24	2	4	29	0	2	28	3	0	15	3	12	21	3	7	12	3	15	11	6	14
1912	8	1	22	9	3	17	18	1	12	13	5	12	19	2	10	21	1	8	24	3	4	20	0	11	22	1	7	16	0	15	13	1	16	9	3	19
1913	11	2	18	18	2	8	11	2	18	14	2	14	18	2	11	17	0	13	29	0	2	25	4	2	23	2	5	22	2	7	10	1	19	14	0	17
1914	2	1	28	9	1	18	15	0	16	13	0	17	24	1	6	20	0	10	31	0	0	31	0	0	19	0	11	17	0	14	20	0	10	21	0	10
1915	17	0	14	8	0	20	19	0	12	20	2	8	13	0	18	26	0	4	24	0	7	31	0	0	27	0	3	20	0	11	6	0	24	7	0	24
1916	12	0	19	14	0	15	12	0	19	19	0	11	15	0	16	20	0	10	25	0	6	30	0	1	23	1	6	26	0	5	13	0	17	13	0	18
1917	22	0	9	16	0	12	13	0	18	13	0	17	20	0	11	20	0	10	30	0	1	31	0	0	20	0	10	31	0	0	17	0	13	6	0	25
1918	15	0	16	7	0	21	15	0	16	21	0	9	22	0	9	30	0	0	27	1	3	27	0	4	27	0	3	15	1	15	15	0	15	15	2	14
1919	15	1	15	3	0	25	14	0	17	18	0	12	21	0	10	25	1	4	26	3	2	31	0	0	19	1	10	20	2	9	8	7	15	15	3	13
1920	17	5	9	23	1	5	7	4	20	8	4	18	22	3	6	19	2	9	27	1	3	28	0	3	13	2	15	7	3	18	10	4	16	2	3	26
1921	5	0	26	6	3	19	11	1	19	12	3	15	18	0	13	9	3	11	29	2	0	28	1	2	21	2	7	13	4	14	4	2	24	10	2	18
1922	12	2	17	9	5	14	5	1	25	15	2	13	14	3	14	29	0	1	31	0	0	22	3	6	22	0	8	11	0	20	11	1	18	6	0	25
1923	6	1	24	12	4	12	15	0	16	12	3	15	14	1	16	20	0	10	27	1	3	29	0	2	24	2	4	20	1	10	14	1	15	7	4	20
1924	14	2	15	9	2	16	12	3	16	20	0	10	28	2	1	27	0	3	30	1	0	28	1	2	24	1	5	10	0	21	14	0	16	15	1	15
1925	4	0	27	7	1	20	15	0	16	15	0	14	17	0	14	18	4	8	31	0	0	24	3	4	20	2	8	26	3	2	10	0	20	15	1	15
1926	10	0	21	7	0	21	23	1	7	18	4	8	11	0	20	27	0	3	31	0	0	22	2	7	19	1	10	10	4	17	8	1	21	9	2	20
1927	9	0	22	6	1	21	13	2	16	16	2	12	12	3	16	24	0	6	28	2	1	27	1	3	15	0	15	9	2	20	5	0	25	14	3	14
1928	14	0	17	12	1	16	8	2	21	7	2	21	26	0	5	22	0	8	28	0	3	31	0	0	22	4	4	17	1	13	10	1	19	12	2	17
1929	17	1	13	13	1	14	16	0	15	9	2	19	20	0	11	16	1	13	31	0	0	29	1	1	26	0	4	19	0	12	24	0	6	7	0	24
1930	15	2	14	6	0	22	22	0	9	11	0	19	15	0	16	21	0	9	30	0	1	30	0	1	17	0	13	19	0	12	20	0	10	14	0	17
1931	11	0	20	14	0	18	11	0	20	19	0	11	24	1	6	13	0	17	31	0	0	30	1	0	20	0	10	17	0	14	14	0	16	7	0	24
1932	7	1	23	10	1	18	6	1	24	14	0	16	18	0	13	26	0	4	23	1	7	24	1	6	28	1	1	15	0	16	9	0	21	11	0	20
1933	5	0	26	9	0	19	6	0	25	21	0	9	8	1	22	23	2	5	31	0	0	26	1	4	15	1	14	21	0	10	22	0	8	3	0	28
1934	11	0	20	16	1	11	19	0	12	18	3	9	17	1	13	25	0	5	25	1	5	28	0	3	23	0	7	20	1	10	5	0	25	7	1	23
1935	13	1	17	15	0	13	7	0	24	17	2	11	27	0	4	19	2	9	26	0	5	28	0	3	27	1	2	14	1	16	18	0	12	15	0	16
1936	11	0	20	10	1	18	16	0	15	17	0	13	17	0	14	18	0	12	25	0	6	29	2	0	23	1	6	28	0	3	26	0	4	7	0	24
1937	11	1	19	7	0	21	7	0	24	6	0	24	21	0	10	18	0	12	29	0	2	25	1	5	25	0	5	17	0	14	6	0	24	10	0	21
1938	14	0	17	7	0	21	11	0	20	17	0	13	21	0	10	24	1	5	25	1	5	29	0	2	21	0	9	14	1	16	11	0	19	10	1	20
1939	7	1	23	8	0	20	17	0	14	21	1	8	20	1	10	18	2	10	27	1	3	25	2	4	26	0	4	16	0	15	15	3	12	9	0	22
1940	13	0	18	5	0	24	14	0	17	11	2	17	21	3	7	26	1	3	24	1	6	30	1	0	18	1	11	13	0	18	8	4	18	13	3	15
1941	12	3	16	15	1	12	19	2	10	17																										

Days per Month with No Rain (N), Trace Only (T) or Measurable Rain (R)

	Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sept			Oct			Nov			Dec				
	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T
1956	3	1	27	6	4	19	8	3	20	19	4	7	19	1	11	18	1	11	26	5	0	24	4	3	21	4	5	12	1	18	19	2	9	9	5	17		
1957	13	2	16	11	1	16	6	1	24	9	6	15	14	4	13	21	2	7	27	0	4	25	1	5	22	4	4	12	2	17	17	2	11	6	5	20		
1958	8	1	22	5	3	20	10	4	17	8	5	17	17	3	11	16	4	10	29	2	0	24	6	1	15	4	11	21	4	6	7	2	21	3	5	23		
1959	2	4	25	7	5	16	7	5	19	18	2	10	13	4	14	12	10	8	25	3	3	28	2	1	12	7	11	16	1	14	14	4	12	11	5	15		
1960	7	3	21	6	5	18	10	2	19	8	4	18	8	3	20	26	2	2	28	3	0	22	3	6	20	3	7	14	3	14	9	1	20	13	1	17		
1961	11	2	18	1	1	26	4	3	24	11	4	15	10	2	19	24	2	4	28	0	3	21	7	3	19	4	7	15	3	13	10	3	17	7	3	21		
1962	15	6	10	11	1	16	9	2	20	12	6	12	8	10	13	24	2	4	26	5	0	18	5	8	21	3	6	16	4	11	7	0	23	10	8	13		
1963	17	7	7	9	2	17	11	2	18	3	6	21	18	3	10	14	6	10	21	2	8	20	6	5	19	3	8	9	8	14	4	2	24	13	3	15		
1964	3	4	24	5	3	11	5	6	20	12	6	12	18	6	7	15	4	11	20	6	5	15	4	12	19	4	7	17	5	9	9	1	20	0	5	26		
1965	8	1	22	10	5	13	22	6	3	11	4	15	20	3	8	24	3	3	26	2	3	20	4	7	24	3	3	14	9	8	5	4	21	7	4	20		
1966	8	3	20	8	2	18	9	5	17	22	2	6	19	4	8	19	3	8	25	3	3	28	1	2	19	1	10	12	6	13	8	2	20	6	4	21		
1967	6	2	23	13	6	9	6	5	20	10	3	17	22	2	7	23	2	5	31	0	0	29	2	0	25	0	5	11	3	17	12	5	13	6	8	17		
1968	6	4	21	15	2	12	11	1	19	11	5	14	10	4	17	20	2	8	25	3	3	14	4	13	20	1	9	10	2	19	6	3	21	2	5	24		
1969	3	7	21	7	4	17	19	4	8	10	6	14	16	4	11	17	5	8	28	2	1	28	2	1	17	3	10	14	2	15	16	6	8	5	2	24		
1970	7	1	23	17	1	10	14	6	11	8	6	16	19	4	8	17	5	8	30	0	1	28	3	0	19	4	7	18	3	10	7	1	22	6	6	19		
1971	6	3	22	8	3	17	9	2	20	14	3	13	16	5	10	14	4	12	27	3	1	25	0	6	18	2	10	17	1	13	6	7	17	6	2	23		
1972	10	4	17	6	4	19	7	4	20	6	5	19	20	2	9	19	5	6	28	1	2	26	3	2	17	3	10	18	5	8	5	5	20	7	4	20		
1973	10	2	19	14	3	11	10	1	20	19	7	5	20	4	6	29	2	0	26	2	3	20	1	9	14	5	12	2	0	28	4	4	23	4	4	20		
1974	11	4	16	8	2	18	9	2	20	11	3	16	12	11	8	23	3	4	19	4	8	29	1	1	27	2	1	23	1	17	11	1	18	4	3	24		
1975	8	4	19	4	2	22	11	2	18	13	5	12	20	3	8	18	4	8	25	3	3	19	3	9	30	0	0	5	3	23	5	6	19	7	3	21		
1976	13	3	15	10	1	18	11	2	18	8	4	18	17	1	13	20	4	6	24	3	4	21	1	9	22	4	4	22	2	7	20	3	7	17	6	8		
1977	18	4	9	12	5	11	9	5	17	16	7	7	10	3	18	24	3	3	24	4	3	20	3	8	13	1	16	16	5	10	9	1	20	4	3	24		
1978	5	1	25	9	4	15	16	4	11	9	5	16	15	2	14	22	3	5	25	1	5	19	1	11	13	4	13	25	2	4	14	3	13	11	5	15		
1979	17	2	12	3	2	23	14	4	13	10	1	19	22	3	6	25	1	4	26	1	4	19	6	6	20	4	6	16	1	14	13	3	14	6	5	20		
1980	14	0	17	10	4	15	10	7	14	15	1	14	19	3	9	17	4	9	27	2	2	27	3	1	15	6	9	22	1	8	9	4	17	13	3	15		
1981	15	6	10	13	0	15	12	4	15	10	11	9	15	2	14	13	5	12	28	1	2	27	4	0	20	0	10	16	2	13	10	2	18	5	2	24		
1982	16	0	15	11	3	14	12	3	16	15	0	15	24	2	5	15	7	8	21	6	4	24	4	3	18	2	10	13	3	15	13	2	15	11	1	19		
1983	10	1	20	5	2	21	6	3	22	15	2	13	20	2	9	15	1	14	15	4	12	25	0	6	23	2	5	20	2	9	1	2	27	7	6	18		
1984	16	6	9	7	3	19	8	4	19	5	10	15	11	4	16	17	1	12	30	0	1	28	3	0	21	3	6	11	3	17	4	2	24	11	4	16		
1985	23	3	5	12	6	10	14	4	13	16	7	7	17	5	9	25	0	5	29	0	2	28	0	3	17	4	9	13	5	13	11	5	14	22	0	9		
1986	5	4	22	9	2	17	12	5	14	14	3	13	16	3	12	23	2	5	25	2	4	28	3	0	13	3	14	22	2	7	10	4	16	11	2	18		
1987	12	1	18	10	5	13	10	5	16	17	1	12	18	4	9	25	1	4	22	3	6	29	0	2	26	2	2	27	2	2	13	5	12	8	1	22		
1988	10	2	19	16	5	8	13	2	16	12	3	15	9	6	16	22	1	7	25	5	1	31	0	0	26	1	3	24	5	2	2	1	27	12	5	14		
1989	8	4	19	12	3	13	3	7	21	16	5	9	17	3	11	20	4	6	27	2	2	27	1	3	24	1	5	18	3	10	13	4	13	17	6	8		
1990	7	1	23	11	3	14	15	3	13	17	4	9	11	9	11	16	3	11	27	0	4	22	4	5	28	1	1	7	4	20	7	5	18	10	7	14		
1991	19	2	10	14	3	11	11	3	17	14	0	16	13	4	14	17	6	7	27	2	2	25	1	5	28	1	1	23	1	7	7	4	19	11	3	17		
1992	10	2	19	12	2	15	23	3	5	9	5	16	27	2	2	22	3	5	27	2	2	27	1	3	23	2	5	18	4	9	12	2	16	5	4	22		
1993	9	5	17	18	1	9	10	2	19	5	0	25	13	1	17	18	2	10	19	2	10	24	2	5	28	1	1	22	2	7	15	2	13	14	3	14		
1994	11	5	15	11	0	17	15	3	13	16	2	12	20	3	8	20	1	9	30	1	0	29	0	2	23	0	7	20	3	8	5	2	23	9	3	19		
1995	12	2	17	16	3	9	13	1	17	12	1	17	22	0	9	16	1	13	23	5	3	22	2	7	18	2	10	13	5	13	6	1	23	6	2	23		
1996	3	4	24	11	2	16	10	4	17	7	5	18	13	4	14	23	3	4	27	0	4	26	4	1	20	1	9	13	4	19	5	2	23	6	0	25		
1997	8	5	18	9	3	16	8	1	22	9	6	15	15	3	13	17	1	12	25	3	3	25	1	5	16	3	11	11	4	14	7	7	16	16	4	11		
1998	2	7	22	2	2	24	5	6	20	13	3	14	7	4	20	20	3	7	25	3	3	29	1	1	25	0	5	13	0	18	3	3	24	9	4	18		
1999	7	4	20	3	0	25	7	1	23	13	2	15	13	4	14	14	7	9	26	3	2	23	0	8	27	1	2	19	4	8	6	5	19	11	2	18		
2000	4	5	22	7	0	22	9	5	17	14	4	12	7	8	16	22	1	7	28	1	2	27	2	2	20	3	7	14	3	14	15	3	12	10	3	18		
2001	7	9	15	10	3	15	9	5	17	5	6	19	23	3	5	14	3	13	27	1	3	25	2	4	23	3	4	16	5	10	8	2	20	6	0	25		
2002	6	4	21	13	1	14	12	2	17	15	3	12	15	3	13	21	3	6	27	2	2	28	2	1	24	0	6	20	5	6	13	3	14	7	2	22		
2003	13	1	17	10	6	12	3	2	26	4	1	25	16	3	12	23	3	4	29	2	0	23	6	2	21	4	5	16	2	13	8	3	19	2	2	27		
2004	2	0	29	7	4	18	18	4																														

Days per Month with No Rain (N), Trace Only (T) or Measurable Rain (R)

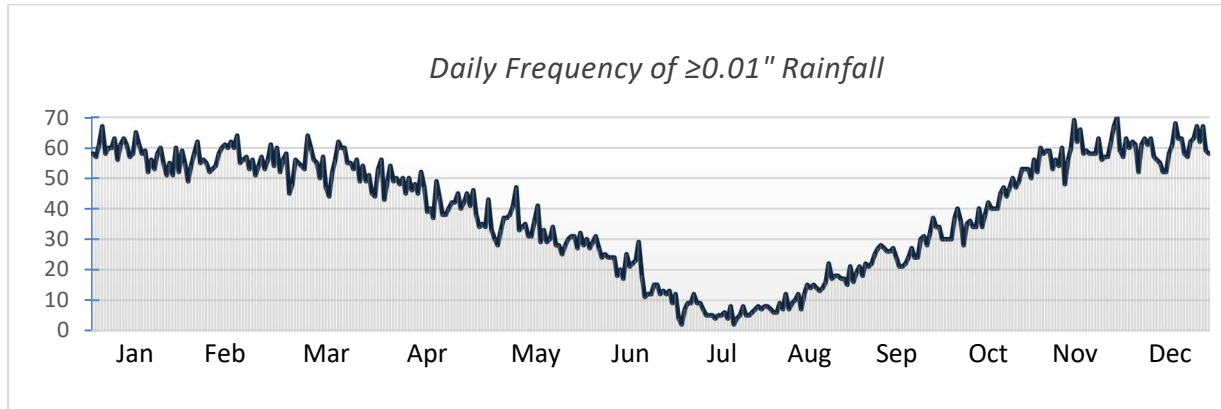
	Jan			Feb			Mar			Apr			May			Jun			Jul			Aug			Sept			Oct			Nov			Dec			
	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	N	T	R	
2020	3	0	28	13	4	12	19	0	12	16	3	11	12	5	14	16	3	11	29	2	0	25	3	3	23	2	5	23	1	7	7	3	20	8	2	21	
2021	6	3	22	4	3	21	13	4	14	24	1	5	19	2	10	20	3	7	30	0	1	26	4	1	18	4	8	10	3	18	8	1	21	5	2	24	
2022	16	1	14	18	3	7	12	5	14	6	3	21	11	4	16	14	4	12	29	0	2	26	2	3	25	2	3	21	1	9	15	0	15	11	3	17	
2023	11	1	19	10	4	14	7	2	22	9	2	19	22	5	4	26	1	3	28	3	0	25	4	2	18	2	10	19	1	11	10	3	17	10	1	20	
2024	3	3	25																																		
2025																																					
2026																																					
2027																																					
2028																																					
2029																																					
AVG	10	3	18	9	3	16	11	3	18	10	3	16	16	3	12	19	3	8	26	2	3	26	2	3	22	2	6	16	3	12	8	3	18	8	4	19	

	Total for Year				Total for Year				Total for Year				Total for Year				Total for Year		
	N	T	R		N	T	R		N	T	R		N	T	R		N	T	R
1890	-	-	-	1920	183	32	148	1950	147	38	180	1980	198	38	130	2010	157	44	164
1891	-	-	-	1921	166	23	168	1951	194	31	140	1981	184	39	142	2011	142	70	153
1892	M	M	M	1922	187	17	161	1952	207	34	125	1982	193	33	139	2012	169	25	172
1893	224	0	141	1923	200	18	147	1953	156	48	161	1983	162	27	176	2013	206	40	119
1894	230	0	135	1924	231	13	120	1954	177	34	154	1984	169	43	154	2014	182	31	152
1895	280	0	85	1925	202	14	148	1955	161	54	150	1985	227	39	99	2015	216	25	124
1896	263	0	103	1926	195	15	155	1956	184	35	147	1986	188	35	142	2016	165	26	175
1897	215	4	146	1927	178	16	171	1957	183	30	152	1987	217	30	118	2017	175	30	160
1898	238	0	126	1928	209	13	144	1958	163	43	159	1988	202	36	128	2018	198	41	126
1899	227	0	137	1929	227	6	132	1959	165	52	148	1989	202	43	120	2019	205	22	138
1900	M	M	M	1930	220	2	143	1960	171	33	162	1990	178	44	143	2020	194	28	144
1901	M	M	M	1931	211	2	152	1961	161	34	170	1991	209	30	126	2021	183	30	152
1902	M	M	M	1932	191	6	169	1962	177	52	136	1992	215	32	119	2022	204	28	133
1903	236	6	122	1933	190	5	170	1963	158	50	157	1993	195	23	147	2023	195	29	141
1904	209	9	147	1934	214	8	143	1964	148	54	164	1994	209	23	133	2024			
1905	221	11	131	1935	226	7	132	1965	191	48	126	1995	179	25	161	2025			
1906	195	21	149	1936	227	4	135	1966	183	36	146	1996	164	33	169	2026			
1907	221	25	116	1937	182	2	181	1967	194	38	133	1997	166	38	161	2027			
1908	210	37	119	1938	204	4	157	1968	150	36	180	1998	153	36	176	2028			
1909	204	26	135	1939	209	11	145	1969	180	47	138	1999	169	33	163	2029			
1910	210	34	121	1940	196	16	154	1970	190	40	135	2000	177	38	151	2030			
1911	223	29	113	1941	188	23	153	1971	166	35	164	2001	173	42	150	2031			
1912	192	21	153	1942	171	54	140	1972	169	45	152	2002	201	30	134	2032			
1913	212	19	134	1943	211	33	121	1973	187	34	144	2003	168	35	162	2033			
1914	222	3	140	1944	196	40	130	1974	187	37	141	2004	170	45	151	2034			
1915	218	2	145	1945	170	32	163	1975	165	38	162	2005	154	74	137	2035			
1916	222	1	143	1946	190	25	150	1976	205	34	127	2006	176	44	144	2036			
1917	239	0	126	1947	169	33	163	1977	175	44	146	2007	174	51	140	2037			
1918	236	4	125	1948	157	44	165	1978	183	35	147	2008	177	46	143	2038			
1919	215	18	132	1949	186	36	143	1979	191	33	141	2009	178	48	139	2039			

N O R	No Rain	181 days	Record Days with Rain				Record Days with No Rain			
	w/Trace	37	Least Days	99	in 1985	Least Days	142	in 2011		
	w/Rain	148	Most Days	181	in 1937	Most Days	263	in 1898		

Daily Frequency of Measurable Precipitation (*Rainfall ≥0.01 inch*)

based on 131 years of data, December 1892 through 2023



How To Use Chart: For all 22 Jan, rain fell on 70 of them, or 53% of all 22 Jan.

	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
1	79	60	73	55	70	54	66	51	53	40	37	28	15	12	10	8	23	18	42	32	69	53	92	70
2	77	58	65	49	78	60	59	45	55	42	37	28	15	12	7	5	22	17	49	37	69	53	78	59
3	78	57	71	54	67	52	57	44	59	45	32	25	19	15	7	5	22	17	45	34	65	50	75	57
4	80	61	77	58	73	56	69	53	54	41	37	28	19	15	8	6	19	15	45	34	73	56	83	63
5	88	67	82	62	75	58	73	56	60	46	39	30	16	12	9	7	27	21	39	30	68	52	79	60
6	77	58	73	55	59	45	56	43	50	38	40	31	17	13	10	8	21	16	39	30	79	60	82	62
7	79	60	74	56	63	48	64	49	45	34	40	31	15	12	9	7	25	19	39	30	76	58	80	61
8	79	60	72	55	73	56	70	54	46	35	35	27	17	13	10	8	27	21	39	30	77	59	68	52
9	83	63	68	52	71	55	64	49	45	34	41	32	12	9	11	8	24	18	49	37	77	59	81	61
10	74	56	69	53	70	54	65	50	56	43	37	28	15	12	9	7	28	22	53	40	70	53	83	63
11	81	61	71	54	69	53	62	48	43	33	39	30	5	4	8	6	27	21	47	36	74	56	81	61
12	83	63	76	58	83	64	65	50	39	30	36	27	3	2	8	6	28	22	37	28	71	54	83	63
13	81	61	78	60	78	60	58	45	37	28	38	29	9	7	12	9	32	25	45	35	78	60	75	57
14	75	57	79	61	73	56	65	50	43	33	41	31	12	9	9	7	35	27	47	36	63	48	74	56
15	77	58	78	60	71	55	60	46	48	37	36	27	12	9	15	12	36	28	44	34	74	56	73	55
16	86	65	81	62	65	50	62	48	49	37	31	24	16	12	9	7	35	27	45	34	78	60	68	52
17	80	61	79	60	74	57	58	45	50	38	33	25	11	9	12	9	34	26	52	40	90	69	69	52
18	76	58	84	64	61	47	67	52	54	41	31	24	11	9	13	10	34	26	45	34	81	62	77	58
19	78	59	71	55	57	44	61	47	61	47	31	24	9	7	15	12	35	27	50	38	86	66	80	61
20	69	52	73	56	67	52	51	39	43	33	32	24	6	5	9	7	31	24	55	42	76	58	90	68
21	74	56	75	57	73	56	53	40	45	34	23	18	6	5	16	12	27	21	52	40	77	59	83	63
22	70	53	69	53	80	62	48	37	46	35	26	20	7	5	19	15	27	21	52	40	76	58	83	63
23	76	58	74	56	78	60	64	49	41	31	22	17	5	4	18	14	29	22	52	40	76	58	77	58
24	79	60	67	51	78	60	57	44	40	31	33	25	7	5	20	15	31	24	59	45	76	58	75	57
25	73	55	71	54	72	55	50	38	47	36	28	21	6	5	18	14	35	27	62	47	82	63	82	62
26	67	51	75	57	72	55	49	38	54	41	29	22	8	6	17	13	31	24	57	44	74	56	83	63
27	72	55	69	53	69	53	52	40	38	29	30	23	5	4	18	14	31	24	61	47	75	57	88	67
28	67	51	74	56	73	56	55	42	43	33	38	29	10	8	21	16	39	30	66	50	75	57	82	62
29	79	60	19	61	64	49	55	42	38	29	24	18	3	2	28	22	40	31	62	47	81	62	89	67
30	68	52			70	54	58	45	39	30	15	11	5	4	22	17	37	28	64	49	87	67	78	59
31	78	59			64	49			44	34			6	5	23	18			70	53			76	58

occurrences, or the number of times measurable (0.01" or more) rain fell on that day.
 % *percentage* of that date' rainy days compared to all days of that particular date.

SALEM: Monthly and Seasonal Total Snowfall (inches)
A dash (-) indicates 0.0 snow, while ^A denotes hail (not snow)

<i>Snow</i>	Jan	Feb	Mar	Apr	May-Sep	Oct	Nov	Dec	Total	<i>Winter</i>	<i>Total</i>
1892	M	M	M	-	-	-	M	M	M	1891-92	M
1893	9.7	6.0	-	-	-	-	-	-	15.7	1892-93	15.7
1894	T	T	T	-	-	-	-	-	T	1893-94	0.0
1895	-	-	-	-	-	-	-	-	0.0	1894-95	0.0
1896	-	T	-	-	-	-	-	-	T	1895-96	0.0
1897	1.0	-	T	-	-	-	3.0	-	4.0	1896-97	1.0
1898	3.0	-	-	-	-	-	-	-	3.0	1897-98	6.0
1899	-	11.0	-	-	-	-	-	-	11.0	1898-99	11.0
1900	-	-	-	-	-	-	-	-	0.0	1899-00	0.0
1901	3.0	-	-	-	-	-	-	-	3.0	1900-01	3.0
1902	1.0	-	-	-	-	-	-	-	1.0	1901-02	1.0
1903	-	-	-	-	-	-	-	-	0.0	1902-03	0.0
1904	-	0.9	-	-	-	-	-	-	0.9	1903-04	0.9
1905	3.0	-	-	-	-	-	-	-	3.0	1904-05	3.0
1906	-	-	-	-	-	-	-	-	0.0	1905-06	0.0
1907	-	-	-	-	-	-	-	-	0.0	1906-07	0.0
1908	-	-	-	-	-	-	-	T	T	1907-08	0.0
1909	16.0	-	-	-	-	-	-	13.0	29.0	1908-09	16.0
1910	2.0	3.0	-	-	-	-	-	-	5.0	1909-10	18.0
1911	3.0	-	-	-	-	-	1.0	-	4.0	1910-11	3.0
1912	-	-	-	-	-	-	-	-	0.0	1911-12	1.0
1913	6.0	-	-	-	-	-	-	-	6.0	1912-13	6.0
1914	-	-	-	-	-	-	-	-	0.0	1913-14	0.0
1915	-	-	-	-	-	-	-	-	0.0	1914-15	0.0
1916	15.0	3.0	-	-	-	-	-	1.0	19.0	1915-16	18.0
1917	-	-	-	-	-	-	-	-	0.0	1916-17	1.0
1918	-	2.5	-	-	-	-	-	-	2.5	1917-18	2.5
1919	T	-	-	-	-	-	-	23.0	23.0	1918-19	T
1920	-	-	1.5	-	-	-	-	-	1.5	1919-20	24.5
1921	T	0.6	T	-	-	-	-	6.7	7.3	1920-21	0.6
1922	0.2	0.9	-	T	-	-	T	5.0	6.1	1921-22	7.8
1923	0.8	7.5	T	-	-	-	-	5.0	13.3	1922-23	13.3
1924	T	-	T	-	-	-	-	6.0	6.0	1923-24	5.0
1925	-	-	-	-	-	-	-	-	0.0	1924-25	6.0
1926	-	-	-	-	-	-	-	0.6	0.6	1925-26	0.0
1927	4.3	-	T	-	-	-	-	2.5	6.8	1926-27	4.9
1928	2.0	T	-	-	-	-	-	7.5	9.5	1927-28	4.5
1929	11.7	-	-	-	-	-	-	-	11.7	1929-30	19.2
1930	18.7	-	-	-	-	-	-	-	18.7	1930-31	18.7
1931	-	-	-	-	-	-	-	T	T	1931-32	0.0
1932	0.5	T	-	-	-	-	-	T	T	1932-33	0.5
1933	2.1	1.0	-	-	-	-	-	0.3	0.8	1933-34	3.4
1934	-	-	-	-	-	-	-	-	3.1	1934-35	T
1935	9.8	0.0	T	-	-	-	-	T	T	1935-36	9.8
1936	0.0	1.2	2.0	-	-	-	-	-	14.8	1936-37	8.2
1937	8.8	25.2	0.0	-	-	-	-	-	3.2	1937-38	34.0
1938	T	T	1.2	-	-	-	-	T	34.0	1938-39	1.2
1939	0.0	1.0	0.0	-	-	-	-	-	1.2	1939-40	1.0

<i>Snow</i>	Jan	Feb	Mar	Apr	May-Sep	Oct	Nov	Dec	Total	<i>Winter</i>	<i>Total</i>
1940	-	-	-	-	-	-	-	-	0.0	1940-41	0.0
1941	-	-	-	-	-	-	-	1.0	1.0	1941-42	1.0
1942	T	T	T	-	-	-	-	1.5	1.5	1942-43	23.6
1943	22.1	T	-	T	-	-	-	-	22.1	1943-44	T
1944	T	-	-	T	-	-	-	-	T	1944-45	0
1945	-	-	-	-	-	-	-	-	0.0	1945-46	1.0
1946	T	T	1.0	-	-	-	-	T	1.0	1946-47	2.9
1947	2.9	-	-	-	-	-	-	T	2.9	1947-48	1.0
1948	0.5	T	0.5	T	-	-	T	0.3	1.3	1948-49	6.2
1949	3.5	2.4	T	T	-	-	-	T	5.9	1949-50	33.5
1950	32.8	0.3	0.4	T	-	-	-	T	33.5	1950-51	11.0
1951	0.1	T	10.9	T	-	-	-	0.2	11.2	1951-52	8.5
1952	2.5	5.8	T	-	-	-	-	T	8.3	1952-53	T
1953	T	T	T	-	-	-	-	-	T	1953-54	8.3
1954	7.6	-	0.7	-	-	-	-	0.5	8.8	1954-55	2.0
1955	0.8	T	0.7	T	-	-	5.8	T	7.3	1955-56	15.2
1956	5.5	2.1	1.8	-	-	T	-	8.2	17.6	1956-57	10.6
1957	2.4	T	-	-	-	-	-	-	2.4	1957-58	T
1958	-	-	T	-	-	-	T	-	T	1958-59	5.5
1959	3.4	2.1	-	-	-	-	-	T	5.5	1959-60	15.4
1960	6.9	T	8.5	-	-	-	-	T	15.4	1960-61	T
1961	-	-	T	T	-	-	-	T	T	1961-62	13.5
1962	2.5	8.4	2.6	-	-	-	-	-	13.5	1962-63	6.6
1963	6.6	-	T	T	-	-	-	-	6.6	1963-64	T
1964	T	-	T	T	-	-	T	5.7	5.7	1964-65	5.7
1965	T	-	T	-	-	-	-	7.4	7.4	1965-66	9.9
1966	1.7	0.2	0.6	-	-	-	-	T	2.5	1966-67	T
1967	T	T	T	T	-	-	-	1.0	1.0	1967-68	10.3
1968	9.3	-	-	T	-	-	T	12.6	21.5	1968-69	34.9
1969	21.9	0.4	-	-	-	-	-	-	22.3	1969-70	0.2
1970	0.2	-	T	T	-	-	T	0.9	1.1	1970-71	21.5
1971	11.1	8.1	1.4	T	-	T	-	2.2	22.8	1971-72	3.0
1972	0.4	T	0.3	0.1	-	-	-	14.6	15.4	1972-73	15.3
1973	0.7	-	T	T	-	-	0.5	-	1.2	1973-74	0.5
1974	T	T	T	-	-	-	-	-	T	1974-75	1.6
1975	1.6	T	0.0	-	-	-	T	1.5	3.1	1975-76	1.8
1976	-	T	0.3	T	-	-	-	-	0.3	1976-77	T
1977	T	-	T	-	-	-	6.1	-	6.1	1977-78	6.1
1978	T	-	-	T	-	-	1.5	2.9	4.4	1978-79	7.2
1979	2.2	0.6	-	T	-	-	-	T	2.8	1979-80	1.8
1980	1.8	T	T	-	-	-	-	T	1.8	1980-81	T
1981	-	-	-	-	-	-	T	T	T	1981-82	5.0
1982	4.4	0.6	T	T	-	-	-	-	5.0	1982-83	T
1983	-	-	T	T	-	-	T	4.3	4.3	1983-84	4.3
1984	T	-	-	T	-	-	-	0.3	0.3	1984-85	4.9
1985	T	4.6	T	T	-	-	2.0	6.5	13.1	1985-86	12.1
1986	-	3.6	-	-	-	-	-	-	3.6	1986-87	T
1987	-	-	-	T	-	-	-	5.8	5.8	1987-88	6.8
1988	1.0	-	-	T	-	-	-	T	1.0	1988-89	9.6
1989	T	8.9	0.7	T	-	-	-	-	9.6	1989-90	9.6

Salem: Monthly and Seasonal Total Snowfall (inches)

<i>Snow</i>	Jan	Feb	Mar	Apr	May-Sep	Oct	Nov	Dec	Total	Winter	Total
1990	T	9.6	-	-	-	-	-	1.2	10.8	1989-90	1.2
1991	T	-	-	-	-	-	-	-	0.0	1990-91	0.0
1992	-	-	-	-	-	-	-	7.9	T	1991-92	32.0
1993	10.0	14.1	-	-	-	-	0.4	T	24.5	1992-93	0.4
1994	-	T	-	-	-	-	T	1.9	1.9	1993-94	5.1
1995	0.1	3.1	-	-	-	-	-	M	3.2	1994-95	M
1996	M	M	-	-	-	-	-	-	M	1995-96	M
1997	-	-	-	-	-	-	-	M	M	1996-97	M
1998	-	-	-	-	-	-	-	M	M	1997-98	M
1999	-	T	-	-	-	-	-	-	M	1998-99	M
2000	M	-	-	-	-	-	M	M	M	1999-00	M
2001	-	M	-	-	-	-	-	M	M	2000-01	M
2002	M	M	T	-	-	-	-	-	M	2001-02	M
2003	-	-	-	-	-	-	M	M	M	2002-03	M
2004	M	-	-	-	-	-	M	T	M	2003-04	M
2005	T	-	-	-	-	-	M	M	M	2004-05	M
2006	-	-	T	-	-	T	M	M	M	2005-06	M
2007	M	M	-	-	-	-	-	M	M	2006-07	M
2008	M	M	M	-	-	-	-	M	M	2007-08	M
2009	M	M	-	-	-	-	T	M	M	2008-09	M
2010	-	-	-	-	-	-	M	M	M	2009-10	M
2011	M	M	-	-	-	-	M	T	M	2010-11	M
2012	M	M	M	-	-	-	-	M	M	2011-12	M
2013	T	-	-	-	-	-	-	M	M	2012-13	M
2014	-	M	-	-	-	-	M	-	M	2013-14	M
2015	-	-	-	-	-	-	T	-	M	2014-15	M
2016	M	-	-	-	-	-	-	5.0	5.0	2015-16	M
2017	3.0	-	T	-	-	-	-	-	3.0	2016-17	8.0
2018	-	M	-	-	-	-	-	-	M	2017-18	M
2019	-	M	T	-	-	-	-	-	M	2018-19	M
2020	-	-	-	-	-	-	-	-	M	2019-20	M
2021	-	-	-	-	-	-	-	-	M	2020-21	1.2
2022	M	M	-	M	-	-	-	-	M	2021-22	M
2023	-	-	-	-	-	-	-	-	M	2022-23	M
2024	1.0									2023-24	
2025										2024-25	
2026										2025-26	
2027										2026-27	
2028										2027-28	
2029										2028-29	
	Jan	Feb	Mar	Apr	May-Sep	Oct	Nov	Dec	Total	Winter	Total
NOR¹	1.0	3.0	T	-	-	-	0.2	2.0	6.2"		
AVG¹	3.2	1.6	0.4	-	-	-	0.1	1.9	6.5"		
Most Snow Year	32.8"	25.2"	10.9"	0.1"		5.0"	6.1"	23.0"	34.0"	34.9"	
	1950	1937	1951	1972	-	1935	1977	1919	1937	1968-69	

¹Normal is the 1981-2010 normals, while AVG is the 1893-1995 average (human observations period).

**Salem: Snowfall Records and Extremes
1892-2023**

	Days with Measurable ¹ Snow			Consecutive Days w/Snow on Ground		Greatest 24-hr Snowfall			Greatest Snow Depth		
	norm	Most	Year	Least	Year	Snow	Year	Days	Depth	Year	Days
Sep	0	-	-	-	-	-	-	-	-	-	-
Oct	0	1	1935	1	1935	5.0"	1935	31 Oct	5"	1935	31 Oct
Nov	0	2	1985 ²	1	1978+	6.1"	1977	21-2 Nov	4"	1977 ²	22 Nov
Dec	1	9	1968	13	1924	17.5"	1919	10 Dec	13"	1909	6 Dec
Jan	2	19	1950	14	1993	11.0"	1930	15 Jan	16"	1909	13 Jan
Feb	1	5	1952 ²	9	1989	25.0"	1937	1 Feb	24"	1937	1 Feb
Mar	0	8	1951	2	1960	8.5"	1960	2-3 Mar	7"	1960	3 Mar
Apr	0	-	-	-	-	0.1"	1972	8 Apr	T	1948 ²	3 Apr
May	0	-	-	-	-	-	-	-	-	-	-
Winter Season Extremes											
	23	1949-50	14	Jan 1993	25.0"	1 Feb 1937	24"	1 Feb 1937			

¹Measurable defined as 0.1 inch or more of snow.

+Occurred often, most recent year of occurrence listed.

Earliest and Latest Occurring Snowfall (1892-2023)

First Snow of the Winter			Last Snow of the Winter		
	date(s)	snowfall		date(s)	snowfall
<i>At Least a Trace</i>	30 Oct 1935	Trace	<i>At Least a Trace</i>	19 Apr 1961	Trace
≥ 0.1 inch	31 Oct 1935	5.0"	≥ 0.1 inch	8 Apr 1972	0.1"
≥ 1.0 inch	31 Oct 1935	5.0"	≥ 1.0 inch	29 Mar 1936	2.0"
≥ 2.0 inches	31 Oct 1935	5.0"	≥ 2.0 inches	29 Mar 1936	2.0"
≥ 5.0 inches	31 Oct 1935	5.0"	≥ 5.0 inches	2 Mar 1960	6.7"

Regular snowfall measurements at Salem ended in 1995. Snowfall measurements since 1995 are very spotty, and in most cases, not available. This due to automated weather system (ASOS), which is unable to measure snowfall.

Salem's Top 10 Snowiest Days per Month

	November		December		January		February		March	
#1	6.1"	22nd/1977	17.5"	10th/1919	11.0"	15th/1930	25.0"	1st/1937	6.7"	2nd/1960
#2	4.0	16th/1955	7.5	5th/1972	10.8	21st/1943	12.0	19th/1993	4.4	5th/1951
#3	3.0	19th/1897	7.5	27th/1928	7.0	5th/1909	8.0	1st/1899	2.5	8th/1951
#4	1.8	11th/1955	7.0	4th/1909	6.7	31st/1929	6.1	15th/1990	2.0	29th/1936
#5	1.6	30th/1985	6.1	1st/1985	6.4	25th/1969	5.4	23rd/1962	1.8	3rd/1960
#6	1.2	19th/1978	5.4	30th/1968	6.4	22nd/1943	5.1	1st/1989	1.6	9th/1951
#7	1.0	10th/1911	5.0	14th/2016	6.0	18th/1913	4.0	19th/1952	1.5	2nd/1962
#8	0.5	5th/1973	5.0	31st/1923	5.4	26th/1969	4.0	4th/1893	1.5	5th/1956
#9	0.4	23rd/1993	5.0	15th/1922	5.3	13th/1971	3.7	7th/1985	1.5	31st/1920
#10	0.4	22nd/1985	5.0	5th/1909	5.3	12th/1969	3.4	2nd/1989	1.4	4th/1971

Snowiest day in April: Trace on 11 Apr 1983 (last of 12 occurrences)

Snowiest day in October: 5.0" on 31 Oct 1935

For October, snow has only occurred in 1935. No snow reported in any other October.

Number of Days with Snow, and Snowy Day Streaks

Most Days per Month w/ $\geq 0.1''$ Snow			
<i>month</i>	<i>AVG¹</i>	<i>days</i>	<i>year</i>
July-Sept.	0	0	-
October	0	1	1935
November	0	2	1985+
December	1	9	1968
January	2	22	1950
February	1	5	1952+
March	0	8	1951
April	0	0	-
May, June	0	0	-
Any Winter	4	22	1949-50

Consecutive Days w/Snowfall of $\geq 0.1''$		
<i>month</i>	<i>days</i>	<i>dates of occurrence</i>
May-Sept.	0	-
October	1	31 st / 1935
November	2	19-20 th / 1978
December	5	27-31 st / 1968
January	11	11-18 th / 1950
February	5	10-14 th / 1923
March	7	4-10 th / 1951
April	0	-
Any Time	8	11-18th Jan 1950

Streaks with Snowfall of $\geq 0.5''$

1. 8 days 1950 11-18th Jan
2. 5 days 1923 10-14th Feb
3. 4 days 1971 25-28th Feb
4. 4 days *also 5 other times*

Streaks with Snowfall of $\geq 1''$

1. 8 days 1950 11-18th Jan
2. 4 days 1923 10-13th Feb
3. 4 days 1916 12-15th Feb
4. 4 days 1909 4-7th Jan
4. 4 days 1893 29-30th Jan

Streaks with Snowfall of $\geq 3''$

1. 2 days 1989 1-2nd Feb
2. 2 days 1972 5-6th Dec
3. 2 days 1971 12-13th Jan
4. 2 days *6 other times as well*

Streaks with Snowfall of $\geq 6''$

1. 2 days 1943 21-22nd Jan
2. 1 day 2019 25-26th Feb
3. 1 day *16 other times as well*

Streaks with Snowfall of $\geq 10''$

1. 1 days 1993 19th Feb
2. 1 day *4 other times as well*

Christmas Snow² (1892-2023)

A Christmas with snow is a rare event in the Salem area. To be considered a 'white Christmas,' snow must be falling, or snow still remains on the ground Christmas morning. Following is a summary of snow data for both Christmas Eve and Christmas Day.

Chance of Snow for Christmas						~ 1%	
24 December				25 December			
Snow that Fell		Snow already on Ground		Snow that Fell		Snow already on Ground	
<i>year</i>	<i>amount</i>	<i>year</i>	<i>depth</i>	<i>year</i>	<i>amount</i>	<i>year</i>	<i>depth</i>
1983	2.3 inches	1924	4 inches	1954	0.5 inch	1924	4 inches
1948	0.3"	1990	Trace	1983	0.1"	1983	2"
1990	Trace	1983	Trace	1965	0.1"	1990	Trace
1988	Trace	1948	Trace	2007	Trace	1948	Trace
1954	Trace			1952	Trace		
				1937	Trace		
				1954	0.5 inch	1924	4 inches

²Due to lack of observations, the snow in mid-Dec 2008 may or may not have been on the ground for Christmas.

Daily Frequency of Measurable Snow (snowfall ≥0.1 inch)

based on **102** years of data, 1892 to 1995

Example on How To Use Chart: for 15 Jan: Of all 15 Jan, snow fell on 73 of them, or 58% of all 22 Jan.

		Day of the Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
OCT	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NOV	F	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	2	1	0	2	1	0	0	0	0	0	0	0	1	
	%	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	1	-	-	2	1	-	2	1	-	-	-	-	-	-	1		
DEC	F	1	1	1	1	4	3	3	1	1	1	3	2	2	0	4	2	1	4	2	6	1	1	1	2	3	0	3	6	4	4	6	
	%	1	1	1	1	5	3	3	1	1	1	3	2	2	-	5	2	1	5	2	7	1	1	1	2	3	-	3	7	5	5	7	
JAN	F	4	2	4	5	6	1	4	4	5	5	5	7	5	6	7	3	4	8	7	4	5	2	4	4	7	7	7	6	8	4	9	
	%	4	2	4	5	6	1	4	4	5	5	5	7	5	6	7	3	4	8	7	4	5	2	4	4	7	7	7	6	8	4	9	
FEB	F	6	2	4	5	2	2	3	1	1	2	4	5	3	4	4	0	3	3	2	2	1	2	2	1	1	1	2	3	0			
	%	6	2	4	5	2	2	3	1	1	2	4	5	3	4	4	-	3	3	2	2	1	2	2	1	1	1	2	3	-			
MAR	F	5	3	3	3	2	1	1	1	1	3	0	0	0	1	0	0	1	0	1	0	1	0	0	0	0	1	0	0	2	0	1	
	%	6	3	3	3	2	1	1	1	1	3	-	-	-	1	-	-	1	-	1	-	1	-	-	-	-	1	-	-	2	-	1	
APR	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

F is the number of times snow fell on that day.

% is percentage of that date' snowy days compared to all days of that particular date.

Progression of Salem's 30-Year Climatic Normals for Monthly and Annual Snowfall

period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1891-1920	2.2	0.9	0.1	0	0	0	0	0	0	0	0.1	1.3	4.6
1901-30	2.9	0.6	0.1	0	0	0	0	0	0	0	T	2.1	5.7
1911-40	2.7	1.4	0.2	0	0	0	0	0	0	0	0	1.9	6.4
1921-50	4.0	1.3	0.2	0	0	0	0	0	0	0	T	1.2	6.7
1931-60	3.7	1.4	0.9	0	0	0	0	0	0	0	0.2	0.4	6.6
1941-70	4.4	0.7	0.9	0	0	0	0	0	0	0	0.2	1.3	7.5
1951-80	3.0	0.9	0.9	0	0	0	0	0	0	0	0.5	1.9	7.2
1961-90	2.2	1.5	0.2	0	0	0	0	0	0	0	0.3	2.2	6.4
1971-2000	1.3	2.1	0.1	0	0	0	0	0	0	0	0.4	1.9	5.8
1981-2010 ¹	1.0	3.0	T	0	0	0	0	0	0	0	0.2	2.0	6.2
1981-2010 ¹ recalculated	2.8	1.3	T	0	0	0	0	0	0	0	0.2	1.3	5.9
Average¹ 1892-1995	3.2	1.6	0.4	0	0	0	0	0	0	0	0.1	1.9	6.5"
1991-2020 ¹													

¹The 1981-2010 published normals did not have full years of snow, which is needed to calculate normals. So, to get a more representative normal, have used a period of record. For Salem, years 1892-1995 were chosen, years in which have full human augmented snow observations. The 1991-2020 normals not recomputed (incomplete data).

notes:

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Pressure and Wind Data



(above) Wind forces collapse of steeple on the historic Campbell Hall at the Oregon College of Education in Monmouth, Oregon on 12 October 1962.

For Salem Area

Strongest Sustained Wind:	58 mph	on 12 October 1962
Strongest Wind Gust	90 mph	on 12 October 1962
Highest Pressure:	30.76 inches	in January 1947
Lowest Pressure:	28.73 inches	on 12 December 1995

Salem: Normal and Extreme Sea Level Pressure

Period of Record: 1945 through 2023

<i>Average Pressure</i>	Normal ^{1,2}	
	<i>inches</i>	<i>millibars</i>
January	30.10	1019.3
February	30.07	1018.3
March	30.05	1017.6
April	30.06	1017.9
May	30.04	1017.3
June	30.04	1017.3
July	30.03	1016.9
August	30.00	1015.9
September	30.01	1016.3
October	30.06	1017.9
November	30.08	1018.6
December	30.10	1019.3
<i>Annually</i>	30.05	1017.6

<i>Extremes</i>	Highest Pressure ²		Lowest Pressure ²	
	<i>Pressure</i>	<i>Date</i>	<i>Pressure</i>	<i>Date</i>
<i>January</i>	30.76	1947 ³	28.89	20 Jan 2010
<i>February</i>	30.74	19 Feb 1964	29.04	8 Feb 1960
<i>March</i>	30.67	6 Mar 1955	29.05	27 Mar 1963
<i>April</i>	30.64	Apr 1973 ³	29.14	2 Apr 1958
<i>May</i>	30.57	May 1971 ³	29.41	18 May 2005
<i>June</i>	30.50	20 Jun 1960	29.54	Jun 1984 ³
<i>July</i>	30.41	Jul 1983 ³	29.58	Jul 1974 ³
<i>August</i>	30.37	23 Aug 2010	29.29	Aug 1983 ³
<i>September</i>	30.44	22 Sep 1964	29.43	Sep 1978 ³
<i>October</i>	30.61	21 Oct 1953	28.80	12 Oct 1962
<i>November</i>	30.70	12 Nov 2010	29.03	13 Nov 1981
<i>December</i>	30.75	30 Dec 2014	28.73	12 Dec 1995
<i>All Time</i>	30.76"	Jan 1947³	28.73"	12 Dec 1995

¹Normals are derived from 1981-2010 data.

²Pressure readings are in units of inches.

³Pressure recorded in the month, but data records not available to determine exact date.

Monthly Normal and Extreme Wind Data (mph)

Salem's McNary Airport										1954-Dec 2023		
	normal ¹		Windiest		Highest Sustained ²			Highest Gust ²				
	dir.	mph	avg.	year	dir.	mph	date	dir.	mph	year		
Jan	S (190°)	6.8	12.7	1953	S	43	18 Jan 2018 ³	S	64	16 Jan 2000		
Feb	S (190°)	6.9	11.8	1999	S	46	24 Feb 1958	S	60	24 Feb 1958		
Mar	S (190°)	7.3	10.0	1956 ³	S	43	15 Mar 2015 ³	S	68	27 Mar 1963		
Apr	S (190°)	6.8	9.3	1955	S	44	5 Apr 2010 ³	S	60	7 Apr 2017		
May	S (190°)	6.4	8.1	1986	S	33	4 May 2014	SW	46	9 May 2000		
Jun	N (360°)	6.5	8.2	1989	SE	31	4 Jun 2009	S	41	28 Jun 2008		
Jul	N (360°)	6.5	8.2	1988	N	31	31 Jul 2007	W	51	30 Jul 2007		
Aug	N (360°)	6.0	7.4	1968 ³	S	31	29 Aug 2000	N	45	26 Aug 2011		
Sep	N (360°)	5.5	7.9	1958	S	34	17 Sep 1997	S	48	17 Sep 1997		
Oct	S (190°)	5.7	8.7	1956	S	58	12 Oct 1962	S	90	12 Oct 1962		
Nov	S (190°)	7.1	10.4	1988	S	49	23 Nov 1998	S	74	23 Nov 1998		
Dec	S (190°)	7.0	11.1	1949	S	46	12 Dec 1995	S	67	12 Dec 1995		
Year	---	6.5	8.2	1955	South		12 Oct	South		12 Oct		
					58 mph		1962	90 mph		1962		

¹Normal are the 1991-2020 climate 30-year data normals.

²Sustained wind listed as the fastest mile speed in a minute, while gusts are instantaneous, usually 2 to 3 seconds.

Top 5 Days with Strongest Wind Gusts (mph)

(Data 1949-Dec 2023, due to complexity of record keeping, only have the peak gust for each day)

January		February		March		April	
S 64	16 Jan 2000	S 60	24 Feb 1958	S 68	27 Mar 1963	S 60	7 Apr 2017
S 61	7 Jan 1990	S 58	5 Feb 1965	S 61	1 Mar 1974	SW 59	20 Apr 1997
S 60	11 Jan 1988	S 55	5 Feb 1999	S 58	15 Mar 2015	S 54	5 Apr 2010
S 60	10 Jan 1988	S 54	9 Feb 2015	S 58	26 Mar 1971	S 52	23 Apr 1996
S 58	20 Jan 2004	S 54	23 Feb 1999	S 56	12 Mar 2012	S 49	26 Apr 2010
May		June		July		August	
SW 46	9 May 2000	SW 41	28 Jun 2008	W 51	30 Jul 2007	N 45	26 Aug 2011
SW 45	19 May 1993	SE 39	4 Jun 2009	SW 37	22 Jul 2008	S 40	29 Aug 2015
SW 42	21 May 2006	S 39	3 Jun 2009	NW 36	31 Jul 2007	S 37	23 Aug 2011
W 41	3 May 2011	W 39	9 Jun 2008	NW 36	31 Jul 1991	S 35	6 Aug 2006
SW 41	2 May 2007	S 37	15 Jun 2017	N 35	22 Jul 2011	S 34	25 Aug 2004
September		October		November		December	
S 48	17 Sep 1997	S 90	12 Oct 1962	S 74	23 Nov 1998	S 67	12 Dec 1995
S 47	29 Sep 2013	W 68	2 Oct 1967	S 71	14 Nov 1981	S 61	2 Dec 2007
S 46	28 Sep 2013	SW 57	24 Oct 2021	S 59	19 Nov 1997	S 60	14 Dec 2006
S 45	17 Sep 2019	S 52	15 Oct 2016	S 58	22 Nov 1988	S 58	16 Dec 1961
S 44	17 Sep 2010	S 51	25 Oct 2014	S 55	28 Nov 2001	S 56	11 Dec 1969

³Most recent year of multiple occurrences.

Frequency¹ of Salem's Wind DIRECTION, based on Time of Day

How to use this table: For July, the wind at 16 LST (1600 or 4 pm) is from the N 19% of the time. Using the table from the next page, the average wind from the N at that time is about 10 mph.

Month and Local Time	Salem's Wind Direction																	
	CALM	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° to 124°	SE 124° to 146°	SSE 146° to 169°	S 169° to 191°	SSW 191° to 214°	SW 214° to 236°	WSW 236° to 259°	W 259° to 281°	WNW 281° to 304°	NW 304° to 326°	NNW 326° to 349°	
JAN	07	6	5	2	1	1	1	1	5	11	27	8	3	2	2	4	5	
	13	9	12	9	4	2	1	1	3	6	25	11	4	2	1	3	5	
	19	17	7	4	2	1	1	1	4	10	24	9	5	2	2	4	7	
FEB	07	23	3	2	1	<1	1	1	5	12	26	10	4	2	1	3	4	
	13	8	13	7	4	1	1	1	2	5	22	13	6	2	2	4	5	
	19	17	6	2	2	<1	1	1	4	9	21	10	7	2	4	4	6	
MAR	07	24	2	1	1	<1	<1	2	5	7	9	9	6	5	6	5	5	
	13	6	10	9	4	1	1	1	2	6	19	12	8	4	4	4	5	
	19	12	6	3	2	2	1	2	3	6	16	10	8	7	7	4	4	
APR	07	25	6	2	1	1	1	1	6	12	24	7	3	2	2	4	3	
	13	6	9	8	6	2	1	1	3	6	14	11	10	6	5	4	5	
	16	4	9	8	7	3	2	1	2	4	8	8	8	9	8	9	6	7
	19	8	7	4	3	1	1	1	2	4	9	7	8	8	12	15	9	4
MAY	07	21	10	7	4	1	1	2	5	9	15	7	3	2	3	4	4	
	13	4	12	11	6	2	2	1	2	3	9	8	9	6	6	6	6	
	16	3	12	11	8	3	1	1	2	2	5	5	7	9	11	8	5	
	19	3	6	6	6	1	1	<1	1	3	4	4	7	7	15	18	14	5
JUN	07	17	12	11	5	1	1	2	3	6	14	6	4	3	4	4	5	
	13	4	14	12	7	2	1	1	2	3	8	7	8	7	7	7	8	
	16	2	13	12	6	1	1	1	1	2	5	3	7	8	9	11	8	
	19	2	8	9	8	1	2	<1	<1	<1	1	1	2	5	16	21	20	6
JUL	07	19	17	14	6	1	1	<1	3	5	8	4	2	2	3	6	7	
	13	3	20	15	6	2	1	<1	1	1	4	3	6	6	5	8	12	
	16	2	19	15	7	2	1	<1	<1	1	1	2	4	7	8	9	12	11
	19	2	8	9	8	1	<1	<1	<1	<1	1	1	2	5	16	21	20	6
AUG	07	30	13	8	3	<1	<1	1	4	7	11	4	2	1	3	4	7	
	13	3	19	11	6	3	2	1	1	2	5	5	5	5	7	10	11	
	16	2	20	14	6	2	1	1	1	1	3	2	4	7	9	11	10	
	19	2	7	9	5	1	<1	<1	1	1	2	1	4	6	17	21	16	7
SEP	07	38	6	3	2	<1	1	1	5	10	14	5	3	1	2	4	5	
	13	4	18	13	6	2	1	<1	1	4	8	7	5	4	5	7	11	
	16	4	18	15	10	2	1	1	1	2	4	5	5	7	6	7	7	
	19	11	11	8	4	1	1	1	1	3	6	6	7	7	10	12	8	6
OCT	07	33	3	2	1	1	1	1	6	14	21	5	3	1	2	3	3	
	13	8	14	11	5	2	1	1	2	5	15	9	6	2	3	5	8	
	16	9	13	13	7	2	2	1	3	8	13	6	5	4	4	4	5	
	19	21	5	3	1	<1	<1	<1	4	9	16	8	7	5	5	6	4	
NOV	07	21	4	2	2	1	1	1	6	14	28	8	3	2	2	3	3	
	13	8	12	8	5	2	1	2	2	8	26	10	5	1	2	3	4	
	19	17	5	2	1	1	1	2	5	12	21	11	5	3	2	5	6	
DEC	07	19	5	2	1	1	1	1	6	12	29	8	3	2	1	3	5	
	13	10	11	6	3	2	2	2	3	8	28	10	4	2	2	2	5	
	19	16	6	2	2	1	1	1	5	12	25	10	5	2	2	4	6	

¹Data based on hourly observations between 1948 and 1995. Values may not equal 100% due to rounding.

Frequency¹ of Wind SPEED, based on Time of Day

How to use this table: In May, at 07 LST (0700 or 7 am), if wind is from South (S), the average speed is 9 mph.
 At 13 (1 pm) in November, if the wind is from the South (S), the average speed is 13 mph.

Month and Local Time	Salem's Wind Speed (mph)																
	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° to 124°	SE 124° to 146°	SSE 146° to 169°	S 169° to 191°	SSW 191° to 214°	SW 214° to 236°	WSW 236° to 259°	W 259° to 281°	WNW 281° to 304°	NW 304° to 326°	NNW 326° to 349°	
JAN	07	7	8	7	6	4	5	7	9	12	12	9	6	4	6	6	7
	13	8	8	7	6	4	6	7	12	14	13	12	12	9	9	7	8
	19	7	7	7	5	4	5	6	8	12	11	7	7	5	6	6	7
FEB	07	6	7	6	6	4	5	7	8	11	12	7	7	5	7	6	7
	13	8	8	8	5	5	6	7	12	14	13	13	12	9	10	7	7
	19	7	7	7	5	4	6	8	9	9	9	8	8	7	8	8	7
MAR	07	6	6	5	5	5	5	6	8	10	10	7	6	7	7	6	6
	13	8	8	7	7	5	7	8	13	13	13	12	11	10	10	8	7
	19	7	7	7	5	4	6	8	9	9	9	8	8	7	8	8	7
APR	07	6	8	6	5	4	4	6	9	9	10	7	7	6	7	5	6
	13	8	9	8	6	5	6	8	10	12	11	11	11	10	10	9	7
	16	9	9	8	6	6	6	7	10	12	11	11	12	11	11	12	9
	19	7	6	6	6	3	5	6	9	10	10	9	8	9	9	8	7
MAY	07	7	7	6	6	4	5	6	7	9	8	8	6	5	7	6	6
	13	9	9	8	6	5	6	7	9	9	10	10	9	8	8	8	8
	16	9	10	9	7	5	6	8	9	9	10	10	11	10	11	10	9
	19	7	8	6	5	5	5	7	9	8	9	8	9	8	10	9	8
JUN	07	7	7	7	5	4	5	6	7	8	8	7	6	5	6	6	6
	13	9	9	8	7	4	6	8	8	9	9	9	9	9	8	8	8
	16	10	10	9	7	6	7	9	8	9	10	9	10	9	10	10	9
	19	9	9	8	6	4	6	6	7	7	9	9	9	9	10	10	9
JUL	07	7	7	7	5	4	5	6	7	8	8	6	6	5	6	6	6
	13	9	10	9	6	4	6	6	9	8	10	10	8	8	7	8	9
	16	10	11	10	8	6	7	6	9	8	9	10	10	10	10	10	9
	19	10	9	9	6	4	7	9	11	8	10	9	10	9	10	10	10
AUG	07	6	7	6	5	4	4	6	6	8	7	6	6	4	6	5	6
	13	9	9	8	7	5	6	7	9	10	9	9	8	7	7	8	9
	16	11	10	9	7	5	8	8	11	9	10	11	10	9	10	9	9
	19	9	8	8	5	5	5	7	9	7	7	9	9	8	10	9	9
SEP	07	5	7	7	5	4	5	6	7	8	7	6	5	4	5	5	5
	13	9	10	9	6	4	6	7	9	10	11	9	9	8	8	8	8
	16	10	11	9	6	5	6	8	9	10	10	10	10	8	10	10	9
	19	7	8	8	6	5	6	7	9	8	6	6	7	7	8	8	7
OCT	07	5	7	7	4	4	5	6	7	9	9	6	5	4	6	5	6
	13	8	9	8	6	4	6	7	11	12	11	10	11	8	8	7	7
	16	9	9	9	6	5	5	8	9	10	9	10	10	8	10	8	7
	19	6	7	6	5	4	5	6	8	8	7	6	6	6	7	7	6
NOV	07	6	7	6	4	4	5	7	9	11	10	7	6	5	7	6	6
	13	8	8	7	5	5	5	8	11	13	12	11	10	8	10	7	7
	19	6	7	7	5	5	5	7	9	11	10	6	6	6	7	6	6
DEC	07	6	7	6	5	4	6	7	9	12	11	9	8	5	8	6	7
	13	8	7	7	5	5	6	8	12	14	13	12	9	7	7	7	8
	19	7	7	6	5	5	5	7	10	13	11	8	7	5	8	6	7

¹Data based on hourly observations between 1948 and 1995.

Frequency of Salem's Wind DIRECTION¹, based on Weather

Using this chart: Each direction totals ~100%. Within that direction are the frequencies (%) of weather. Zero indicated by – sign. *Example:* In Feb, when wind is from the south (S), it rains 26% of time, with fog 4% of time.

		Calm	VRB	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° - 124°	SE 124° - 146°	SSE 146° - 169°	S 169° - 191°	SSW 191° - 214°	SW 214° - 236°	WSW 236° - 259°	W 259° - 281°	WNW 281° - 304°	NW 304° - 326°	NNW 326° - 349°
J A N U A R Y	RA	22	23	7	8	10	11	15	17	17	20	24	20	16	19	16	12	14	15
	RW	7	11	<1	<1	<1	1	3	3	5	7	13	16	13	6	6	3	3	3
	DZ	<1	1	2	<1	2	2	1	<1	2	1	<1	<1	<1	<1	<1	<1	2	1
	FZRA	<1	-	2	2	1	-	1	-	<1	<1	<1	<1	-	-	<1	<1	1	1
	SN	2	1	5	5	3	3	3	4	2	5	3	8	3	6	3	1	2	4
	TS	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-
	FG	19	9	20	22	33	28	26	29	18	10	7	6	8	23	17	16	17	14
	MIFG	4	<1	1	1	2	1	4	4	4	3	2	1	2	2	3	2	2	1
None	47	58	65	65	51	58	49	47	54	50	53	52	55	47	54	65	62	63	
F E B R U A R Y	RA	18	22	8	7	10	8	13	13	16	23	26	22	9	9	8	9	14	17
	RW	9	12	2	2	1	<1	0	1	4	7	11	15	12	17	10	6	5	6
	DZ	1	2	2	2	<1	<1	1	<1	<1	1	<1	<1	<1	-	1	<1	2	1
	FZRA	<1	<1	<1	<1	<1	<1	3	1	<1	<1	<1	-	<1	-	-	-	<1	<1
	SN	1	1	1	1	<1	1	<1	<1	4	3	2	2	2	2	2	<1	<1	1
	TS	<1	-	-	-	-	-	-	-	-	<1	<1	<1	<1	-	-	-	-	-
	FG	12	8	17	14	17	12	16	19	12	7	4	3	4	6	7	6	10	11
	MIFG	4	<1	1	<1	2	3	3	2	4	3	2	1	3	2	3	2	2	1
None	56	58	72	78	71	74	64	63	60	58	57	58	68	65	69	77	67	65	
M A R C H	RA	15	22	9	7	7	8	10	15	19	26	22	16	9	11	10	13	15	16
	RW	10	11	1	2	2	2	4	3	5	7	16	17	14	11	8	8	7	8
	DZ	<1	<1	1	<1	<1	-	-	-	<1	<1	<1	<1	<1	-	-	<1	<1	<1
	SN	<1	<1	1	<1	-	-	-	-	<1	2	2	2	2	1	1	<1	<1	<1
	TS	<1	<1	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	-	-
	FG	7	3	10	7	6	7	5	9	4	2	1	1	2	3	4	4	5	6
	MIFG	2	-	<1	<1	-	<1	<1	1	1	<1	<1	<1	1	<1	<1	<1	<1	<1
	None	67	65	80	82	84	82	81	74	73	64	60	64	73	74	78	75	74	70
A P R I L	RA	10	20	2	2	3	6	5	7	12	19	16	14	7	6	4	6	8	12
	RW	7	11	1	<1	1	2	4	3	4	9	12	13	12	10	9	6	5	6
	DZ	<1	<1	-	-	<1	-	<1	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1
	TS	-	<1	-	<1	-	-	-	-	-	-	<1	<1	<1	-	-	-	-	-
	FG	2	2	2	3	2	2	1	2	1	1	1	<1	<1	<1	<	2	1	2
	MIFG	2	-	<1	-	<1	<1	<1	-	<1	-	<1	-	<1	<1	-	-	<1	-
	None	79	69	94	95	92	88	88	90	83	71	71	73	80	83	86	87	87	80
M A Y	RA	6	13	3	2	3	2	2	4	9	19	12	8	6	7	5	5	7	10
	RW	5	7	<1	<1	2	1	5	2	7	8	11	15	10	7	5	5	6	7
	DZ	<1	1	-	-	-	<1	-	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1
	TS	<1	-	-	-	-	<1	1	-	<1	<1	<1	<1	<1	1	-	<1	-	-
	FG	2	1	2	1	2	1	<1	2	1	1	<1	<1	1	1	2	2	2	2
	MIFG	1	-	<1	<1	<1	-	-	-	-	-	<1	<1	-	<1	<1	-	<1	<1
	None	86	80	95	96	94	97	93	93	84	72	76	76	84	83	87	89	87	83
J U N E	RA	6	12	<1	<1	<1	<1	3	2	8	11	12	8	5	4	3	3	3	5
	RW	4	6	<1	<1	1	1	3	1	3	8	11	8	7	5	3	3	4	6
	DZ	<1	<1	<1	-	<1	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
	TS	<1	-	<1	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1
	FG	1	1	<1	<1	<1	<1	2	<1	2	2	1	1	1	1	<1	<1	<1	<1
	MIFG	<1	-	<1	-	-	-	-	-	<1	<1	-	<1	-	-	-	-	-	<1
	None	89	81	98	99	98	97	94	94	89	80	79	81	86	89	92	94	95	92

Example: In December, best chance of thunderstorms occurs with a west (W) wind (freezing rain/drizzle occurs 1% of time when wind from the west. However, smaller chances occur with southerly winds (<1%).

		Calm	VRB	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° - 124°	SE 124° - 146°	SSE 146° - 169°	S 169° - 191°	SSW 191° - 214°	SW 214° - 236°	WSW 236° - 259°	W 259° - 281°	WNW 281° - 304°	NW 304° - 326°	NNW 326° - 349°	
J U L Y	RA	2	8	<1	<1	<1	-	<1	1	1	8	4	3	1	1	<1	1	1	1	
	RW	2	4	<1	<1	-	1	-	4	3	4	3	7	6	3	2	2	<1	<1	
	DZ	<1	-	<1	<1	<1	-	<1	-	-	<1	1	<1	<1	-	<1	<1	<1	<1	
	TS	<1	<1	-	-	-	-	1	1	<1	<1	-	<1	<1	<1	-	<1	-	-	
	FG	<1	2	<1	<1	<1	<1	-	-	-	<1	1	<1	<1	<1	<1	<1	<1	<1	1
	MIFG	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	None	96	87	99	99	99	98	98	95	96	87	92	90	92	96	97	97	98	97	
A U G U S T	RA	2	8	<1	<1	<1	1	1	4	3	5	4	1	1	1	1	1	1	1	
	RW	2	6	<1	<1	<1	1	<1	3	1	4	6	6	3	3	2	1	1	1	
	DZ	<1	2	<1	-	-	<1	<1	-	1	<1	<1	<1	-	-	<1	<1	<1	<1	
	TS	<1	-	<1	<1	-	-	<1	1	1	-	<1	<1	-	1	<1	-	-	<1	
	FG	1	3	1	1	1	2	1	1	2	1	1	<1	1	-	<1	1	1	1	
	MIFG	1	-	-	-	<1	-	<1	-	<1	<1	<1	<1	-	-	-	-	<1	<1	
	None	93	84	98	97	97	95	96	93	93	90	87	92	94	95	96	97	96	96	
S E P T E M B E R	RA	3	12	1	<1	1	1	4	3	7	8	12	10	4	4	2	5	2	3	
	RW	3	4	<1	<1	<1	1	3	3	4	5	7	6	5	6	3	3	2	3	
	DZ	<1	<1	-	-	<1	<1	<1	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	
	TS	<1	-	<1	-	-	-	-	1	1	<1	<1	<1	<1	<1	<1	-	-	-	
	FG	5	5	4	4	4	3	5	4	3	7	5	5	2	3	3	3	3	4	
	MIFG	5	<1	<1	<1	<1	<1	1	<1	3	2	2	1	2	<1	<1	<1	1	<1	
	None	78	81	87	90	86	85	80	82	79	76	74	76	82	82	87	85	87	85	
O C T O B E R	RA	9	15	3	2	4	5	5	3	10	16	17	14	6	6	7	9	9	11	
	RW	3	8	<1	1	1	<1	1	2	2	6	9	12	8	5	4	3	2	3	
	DZ	1	<1	1	1	1	2	2	2	1	1	<1	<1	<1	-	<1	<1	<1	<1	
	TS	<1	<1	-	-	-	-	-	-	-	<1	-	<1	<1	-	-	-	-	<1	
	FG	14	9	14	13	15	18	18	15	17	10	6	7	8	13	13	12	12	11	
	MIFG	8	1	1	<1	2	-	1	3	6	4	3	2	4	2	2	2	4	2	
	None	58	69	69	75	67	67	62	65	57	58	61	62	67	68	69	72	68	67	
N O V E M B E R	RA	16	27	7	7	9	13	18	12	15	22	24	24	12	13	16	16	16	19	
	RW	7	9	<1	<1	1	2	2	3	3	6	9	13	8	10	5	6	3	5	
	DZ	1	1	2	3	2	2	1	1	2	1	1	<1	2	<1	<1	<1	1	1	
	FZRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SN	<1	-	2	1	1	-	<1	1	-	-	<1	-	<1	1	<1	<1	<1	<1	
	TS	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	
	FG	17	9	20	24	31	31	36	31	20	11	8	8	14	18	21	11	17	16	
MIFG	6	<1	1	2	1	2	4	2	5	3	3	2	3	2	2	3	2	2		
None	53	57	64	60	49	49	47	47	54	56	55	54	60	54	57	62	60	58		
D E C E M B E R	RA	19	26	9	8	11	13	17	13	13	24	23	20	16	13	11	17	15	17	
	RW	7	11	2	1	1	<1	3	2	1	6	12	18	15	14	11	7	4	4	
	DZ	1	1	2	5	4	-	2	3	1	2	1	1	<1	1	<1	<1	1	1	
	FZRA	-	-	1	1	-	-	<1	-	-	<1	-	-	-	-	-	<1	<1	<1	
	SN	1	2	2	3	1	3	1	3	1	<1	1	1	1	<1	1	1	<1	2	
	TS	<1	-	-	-	-	-	-	-	-	<1	<1	<1	-	-	1	<1	-	-	
	FG	24	9	33	34	43	37	41	34	26	14	8	8	13	16	20	20	16	16	
MIFG	5	1	2	1	2	1	3	5	7	4	2	1	4	3	4	3	4	1		
None	45	54	52	50	40	36	38	46	47	52	55	55	53	53	54	55	60	61		

¹VRB is variable (less than 3 mph). A - is zero. Based on 1948-1995 data. Numbers total may not equal 100%, as not all weather was included (such as blowing snow, dust, smoke and haze).

Days per Month with Dense/Heavy Fog and Thunderstorms
(dense fog defined as that which reduces horizontal visibility to 1/4 of mile or less)

	Dense FOG: Days per Month ¹					Thunderstorms: Days per Month ¹				
	NOR ²	Most	Year	Least	Year	NOR ²	Most	Year	Least	Year
Jan	6	16	1946	0	1937	~0	1	1997+	0	2018+
Feb	4	12	1934	0	1994+	~0	1	2015+	0	2018+
Mar	2	10	1947	0	2017+	~0	2	2006+	0	2018+
Apr	1	3	2015+	0	2017	<1	4	2003	0	2018+
May	<1	3	1960	0	2018+	1	5	1953	0	2015+
Jun	~0	2	1962	0	2018+	<1	4	1993	0	2018+
Jul	0	1	1999+	0	2018+	1	3	1992+	0	2018+
Aug	~0	2	1947	0	2017+	1	3	1979+	0	2016+
Sept	1	7	1961	0	2017+	1	6	1940	0	2016+
Oct	6	13	2013+	0	1991	<1	2	2005+	0	2015+
Nov	6	18	1933	0	2006	~0	3	2006	0	2016+
Dec	6	17	1976	0	2015+	~0	2	1952	0	2017+
Annual	33	59	1946 1962	18	1995 2017	5	14	1983	0	1985

¹Period of Record 1933-July 2018, NOR (Normal) is from 1981-2010 data, rounded.

²Annual total may not equal sum of months due to rounding of monthly values.

+ Last year of multiple occurrences listed.

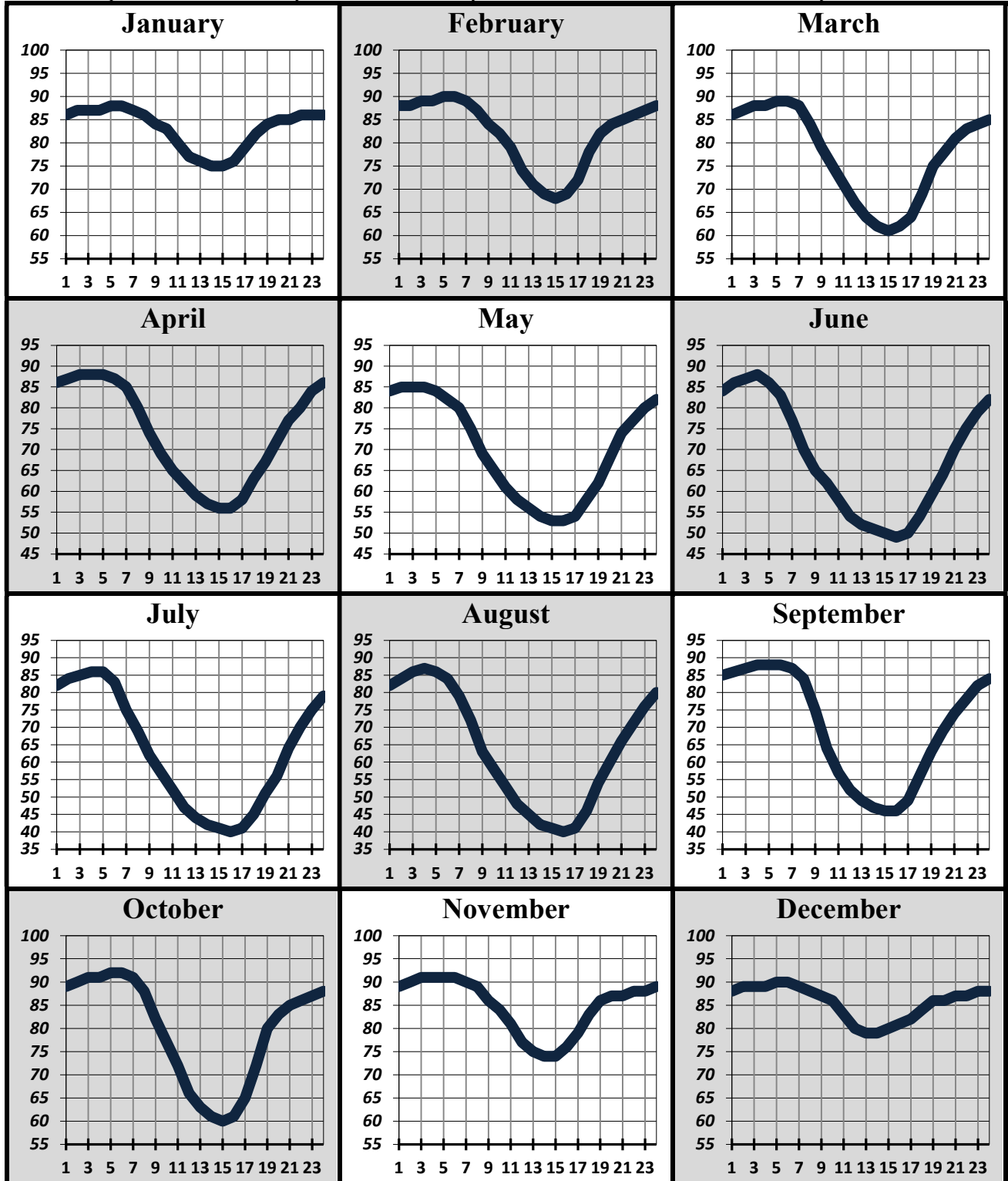
Most Consecutive Days⁴ with:

Smoke	14 days	1965	21 Oct – 3 Nov
	10	1970	9-18 Dec
	9	1988	1-9 Dec
	9	1969	30 Nov – 9 Dec
Dense Fog	12 days	1959	29 Nov – 9 Dec
	9	1962	28 Jan – 5 Feb
	9	1956-57	24 Dec – 1 Jan
	8	1985	14-21 Jan
	8	1952	1-8 Nov
	7	2016+	6-12 Jan
	~ 3 days		<i>common occurrence during autumn and early winter</i>
Light and/or Dense Fog	30 days	2004-05	26 Dec – 24 Jan
	28	1999	4-31 Jan
	23	2013	4-26 Jan
	23	2012	12 Nov – 4 Dec
	22	1997	19 Oct – 9 Nov
	20	2005+	17 Oct – 5 Nov
8-10 days		<i>common occurrence during autumn and early winter</i>	

⁴Fog only needs to occur on the day, and may not necessarily last the entire day.

Normal Hourly Humidity (%) Curves, by Month¹

Example: normal humidity at 9 am in January is about 84%, while same time in July it is 63%.



¹Time is in local standard time.

Salem's Observed Cloud Cover Frequency

Salem's hourly observations (1948-1995 pre-ASOS data) were categorized into groups of coverage and time. Cloud cover coverage is either clear, scattered or broken clouds, or overcast. For example, at 10 am in January, 5.2% of the time it was clear, but 72.9% of the time, skies were overcast.

CLR	Clear skies	<i>Clear</i>	Less than 10% of sky is covered by clouds
SCT	Scattered clouds	<i>Partly Cloudy</i>	10% to 60% of sky is covered by clouds
BKN	Broken clouds	<i>Mostly Cloudy</i>	60% to 90% of sky is covered by clouds
OVC	Overcast	<i>Cloudy</i>	More than 90% of sky is covered by clouds

Hour	CLR	SCT	BKN	OVC	CLR	SCT	BKN	OVC	CLR	SCT	BKN	OVC
	January				February				March			
1 am	16	9	12	65	18	12	14	57	22	11	16	51
4 am	14	8	9	69	15	8	13	64	19	10	14	57
7 am	10	9	13	69	9	10	18	64	9	12	22	57
10 am	7	8	19	66	9	9	19	64	8	13	23	57
1 pm	7	10	19	65	9	9	22	61	8	12	27	53
4 pm	8	10	19	63	8	12	22	58	7	15	25	53
7 pm	13	10	14	64	13	14	18	55	10	17	23	50
10 pm	14	11	13	62	18	14	15	53	20	14	17	50
All Day	11	9	15	65	12	11	18	59	13	13	21	54
	April				May				June			
1 am	23	14	19	44	29	15	16	40	35	15	15	35
4 am	20	12	18	50	20	16	19	45	22	17	17	44
7 am	12	12	23	53	14	14	22	49	18	14	21	47
10 am	9	12	29	50	12	14	29	46	17	15	25	44
1 pm	9	14	30	47	13	17	32	38	19	18	27	37
4 pm	10	14	29	48	12	22	29	37	18	22	27	33
7 pm	11	20	27	42	14	24	29	34	22	24	26	29
10 pm	23	19	18	41	27	19	18	36	31	20	19	30
All Day	15	15	24	47	18	18	24	41	23	18	22	37
	July				August				September			
1 am	58	10	9	22	53	12	13	23	52	11	10	27
4 am	46	16	11	28	48	11	11	30	47	11	9	33
7 am	38	15	14	33	34	13	17	35	27	17	18	38
10 am	37	17	19	28	32	19	19	30	28	19	22	32
1 pm	43	18	20	20	36	21	22	22	33	18	23	26
4 pm	43	22	20	15	35	26	21	18	32	21	24	24
7 pm	46	24	18	12	36	28	20	16	35	22	20	23
10 pm	57	17	12	15	53	14	13	19	47	17	13	24
All Day	46	17	15	22	41	18	17	24	38	17	17	28
	October				November				December			
1 am	35	14	12	39	15	11	10	64	11	9	10	69
4 am	28	12	12	48	12	10	12	66	10	7	11	72
7 am	14	11	21	54	7	9	16	67	6	8	14	72
10 am	15	14	19	53	7	8	21	64	4	7	17	71
1 pm	19	17	21	42	8	10	22	60	5	7	18	70
4 pm	18	18	25	39	9	12	22	57	5	9	19	67
7 pm	27	17	16	39	14	13	14	60	10	10	13	67
10 pm	33	16	14	37	17	10	14	59	12	9	13	66
All Day	24	14	17	44	11	10	16	62	8	8	14	69

Salem: Selected Holiday Weather: Normals and Extremes (Dec 1892-Dec 2023)

New Year's Day			Frequency of Max T (total days and percentage)					Freq. of Rain		
Averages	<i>Max T</i>	45°	≤ 32	in 30s	in 40s	in 50s	≥ 60	Days	as %	
		<i>Min T</i>	33°	4	22	66	39	2	79	60 %
		<i>Rain</i>	0.19"	3 %	17 %	50 %	28 %	2 %	<i>days w ≥ 0.01"</i>	
<i>Warmest Max T</i>	62°	1918			<i>Wettest</i>	1.50"	1895			
<i>Coolest Max T</i>	22°	1979			<i>Driest</i>	0.00"	2024 (last of many)			
<i>Coldest morning</i>	5°	1924			<i>Snowiest</i>	2.0"	1928			

Valentine's Day			Frequency of Max T (total days and percentage)					Freq. of Rain		
Averages	<i>Max T</i>	50°	≤ 32	in 30s	in 40s	in 50s	≥ 60	Days	as %	
		<i>Min T</i>	35°	0	6	53	63	8	79	60 %
		<i>Rain</i>	0.17"	0 %	5 %	40 %	49 %	6 %	<i>days w ≥ 0.01"</i>	
<i>Warmest Max T</i>	67°	1898			<i>Wettest</i>	1.28"	1904			
<i>Coolest Max T</i>	34°	1990			<i>Driest</i>	0.00"	2020 (last of many)			
<i>Coldest morning</i>	18°	1990, 1995			<i>Snowiest</i>	2.1"	1959			

April Fool's Day			Frequency of Max T (total days and percentage)					Freq. of Rain		
Averages	<i>Max T</i>	59°	≤ 49	in 50s	in 60s	in 70s	≥ 80	Days	as %	
		<i>Min T</i>	38°	9	71	39	12	0	66	50 %
		<i>Rain</i>	0.11"	7 %	54 %	30 %	9 %	0 %	<i>days w ≥ 0.01"</i>	
<i>Warmest Max T</i>	78°	1987			<i>Wettest</i>	1.60"	1931			
<i>Coolest Max T</i>	45°	1920			<i>Driest</i>	0.00"	2021 (last of many)			
<i>Coldest morning</i>	27°	1971			<i>Snowiest</i>	Trace	1963, 1936			

Easter Sunday			Frequency of Max T (total days and percentage)					Freq. of Rain		
Averages	<i>Max T</i>	60°	≤ 49	in 50s	in 60s	in 70s	≥ 80	Days	as %	
		<i>Min T</i>	40°	6	66	44	12	3	65	50 %
		<i>Rain</i>	0.12"	5 %	50 %	34 %	9 %	2 %	<i>days w ≥ 0.01"</i>	
<i>Warmest Max T</i>	81°	15 Apr 2004, 1990			<i>Wettest</i>	1.28"	27 Mar 2005			
<i>Coolest Max T</i>	45°	23 Mar 1913			<i>Driest</i>	0.00"	2022 (last of many)			
<i>Coldest morning</i>	29°	1 Apr 1945			<i>Snowiest</i>	-	-			

Mother's Day			Frequency of Max T (total days and percentage)					Freq. of Rain		
Averages	<i>Max T</i>	68°	≤ 59	in 60s	in 70s	in 80s	≥ 90	Days	as %	
		<i>Min T</i>	44°	26	55	30	17	4	43	33 %
		<i>Rain</i>	0.07"	19 %	42 %	23 %	13 %	3 %	<i>days w ≥ 0.01"</i>	
<i>Warmest Max T</i>	93°	14 May 2023, 1939			<i>Wettest</i>	0.84"	14 May 1978			
<i>Coolest Max T</i>	52°	8 May 1983			<i>Driest</i>	0.00"	2023 (last of many)			
<i>Coldest morning</i>	30°	12 May 1985			<i>Snowiest</i>	-	-			

Memorial Day			Frequency of Max T (total days and percentage)					Freq. of Rain		
Averages	<i>Max T</i>	69°	≤ 59	in 60s	in 70s	in 80s	≥ 90	Days	as %	
		<i>Min T</i>	46°	9	66	40	13	4	40	31 %
		<i>Rain</i>	0.07"	7 %	50 %	31 %	9 %	3 %	<i>days w ≥ 0.01"</i>	
<i>Warmest Max T</i>	91°	30 May 1922			<i>Wettest</i>	1.01"	30 May 1894			
<i>Coolest Max T</i>	51°	31 May 1971			<i>Driest</i>	0.00"	2023 (last of many)			
<i>Coldest morning</i>	31°	30 May 1920			<i>Snowiest</i>	-	-			

Salem: Selected Holiday Weather: Normals and Extremes (Dec 1892-2023)

Father's Day			Frequency of Max T (total days and percentage)					Freq. of Rain	
Averages	Max T	74°	≤ 59	in 60s	in 70s	in 80s	≥ 90	Days	as %
	Min T	49°	2	41	51	29	9	36	27 %
	Rain	0.05"	2 %	31 %	39 %	22 %	6 %	days w ≥ 0.01"	
Warmest Max T	99°	21 Jun 1992			Wettest	1.13"	20 Jun 1937		
Coolest Max T	59°	18 Jun 1939			Driest	0.00"	2021 (last of many)		
Coldest morning	36°	17 Jun 1984			Snowiest	0	-		

July 4 th			Frequency of Max T (total days and percentage)					Freq. of Rain	
Averages	Max T	78°	≤ 59	in 60s	in 70s	in 80s	≥ 90	Days	as %
	Min T	51°	0	16	58	43	13	19	15 %
	Rain	0.02"	0 %	12 %	44 %	34 %	10 %	0 %	
Warmest Max T	97°	2015			Wettest	0.86"	1986		
Coolest Max T	61°	1928			Driest	0.00"	2023 (last of many)		
Coldest morning	37°	1935			Snowiest	0	-		

Labor Day Monday			Frequency of Max T (total days and percentage)					Freq. of Rain	
Averages	Max T	79°	≤ 59	in 60s	in 70s	in 80s	≥ 90	Days	as %
	Min T	50°	1	20	43	50	14	22	17 %
	Rain	0.05"	1 %	16 %	33 %	39 %	11 %	days w ≥ 0.01"	
Warmest Max T	99°	7 Sep 1981			Wettest	1.15"	1 Sep 1941		
Coolest Max T	56°	2 Sep 1912			Driest	0.00"	2023 (last of many)		
Coldest morning	39°	7 Sep 1992			Snowiest	0	-		

Halloween			Frequency of Max T (total days and percentage)					Freq. of Rain	
Averages	Max T	58°	≤ 39	in 40s	in 50s	in 60s	≥ 70	Days	as %
	Min T	40°	0	8	76	45	1	70	57 %
	Rain	0.18"	0 %	6 %	58 %	35 %	1 %	days w ≥ 0.01"	
Warmest Max T	75°	1954			Wettest	2.71"	1994		
Coolest Max T	42°	1935			Driest	0.00"	2023 (last of many)		
Coldest morning	20°	2002			Snowiest	5.0"	1935		

Thanksgiving			Frequency of Max T (total days and percentage)					Freq. of Rain	
Averages	Max T	50°	≤ 32	in 30s	in 40s	in 50s	≥ 60	Days	as %
	Min T	36°	1	5	60	58	7	74	56 %
	Rain	0.28"	1 %	4 %	46 %	44 %	5 %	days w ≥ 0.01"	
Warmest Max T	67°	24 Nov 1949			Wettest	2.57"	24 Nov 1960		
Coolest Max T	32°	28 Nov 1985			Driest	0.00"	2023 (last of many)		
Coldest morning	17°	27 Nov 1952			Snowiest	Trace	28 Nov 1985		

Christmas			Frequency of Max T (total days and percentage)					Freq. of Rain	
Averages	Max T	46°	≤ 32	in 30s	in 40s	in 50s	≥ 60	Days	as %
	Min T	35°	3	19	68	44	1	82	63 %
	Rain	0.20"	2 %	14 %	52 %	31 %	1 %	days w ≥ 0.01"	
Warmest Max T	62°	1980			Wettest	1.67"	1980		
Coolest Max T	27°	1924			Driest	0.00"	2018 (last of many)		
Coldest morning	5°	1924			Snowiest	0.5"	1954		

Salem's Daily Normals Recap

Tx is maximum temperature, Tn is minimum temp, and P is precipitation (*hundredths*)

JAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tx	47	47	47	47	47	47	47	48	48	48	48	48	48	48	48	48	49	49	49	49	49	49	49	49	49	50	50	50	50	50	50
Tn	35	35	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
P	20	21	21	21	20	21	21	21	21	21	20	20	19	20	19	19	20	19	19	19	19	19	19	19	20	19	18	19	18	18	18

FEB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	--	--	--
Tx	50	50	50	51	51	51	51	51	51	51	52	52	52	52	52	52	52	53	53	53	53	53	54	54	54	54	54	54			
Tn	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	37	37			
P	17	17	16	17	17	17	17	16	17	17	17	16	17	16	16	16	16	16	17	16	15	16	15	15	15	16	15	16			

MAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tx	55	55	55	55	55	55	56	56	56	56	56	56	57	57	57	57	57	57	57	57	58	58	58	58	58	58	58	58	58	59	59
Tn	37	37	37	37	37	37	37	38	38	38	38	38	38	38	38	38	39	39	39	39	39	39	39	39	39	39	39	39	39	40	40
P	16	16	16	15	15	15	14	15	15	14	15	14	14	15	14	14	14	14	13	13	13	14	13	13	13	14	13	13	13	13	12

APR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	--
Tx	59	59	59	59	59	60	60	60	60	60	60	61	61	61	61	61	62	62	62	63	63	63	63	64	64	64	64	65	65	65	
Tn	40	40	40	40	40	40	40	40	40	40	40	40	41	41	41	41	41	41	41	41	42	42	42	42	42	42	43	43	43	43	
P	12	13	12	13	12	12	11	12	11	12	11	12	10	11	11	10	11	10	10	11	10	9	9	9	9	8	8	8	8	7	

MAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tx	66	66	66	66	67	67	67	68	68	68	68	69	69	69	69	69	70	70	70	70	70	70	70	71	71	71	71	71	71	71	71
Tn	43	44	44	44	44	44	45	45	45	45	46	46	46	46	46	47	47	47	47	47	47	48	48	48	48	48	48	48	49	49	49
P	7	8	7	8	7	8	8	7	7	8	7	7	7	7	7	7	7	7	7	7	8	7	7	8	7	7	8	7	78	7	7

JUN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	--
Tx	72	72	72	72	72	72	72	73	73	73	73	73	74	74	74	74	75	75	75	76	76	76	76	77	77	78	78	78	79	79	
Tn	49	49	49	49	49	50	50	50	50	50	50	50	50	51	51	51	51	51	51	51	52	52	52	52	52	52	53	53	53	53	
P	7	6	6	6	6	5	6	5	5	5	5	5	5	5	4	5	4	3	4	3	3	3	3	2	3	2	3	2	2	2	

JUL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tx	79	80	80	80	81	81	82	82	82	83	83	83	83	84	84	84	84	85	85	85	85	85	85	85	85	86	86	86	86	86	86
Tn	53	53	54	54	54	54	54	54	55	55	55	55	55	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
P	1	2	1	2	1	1	1	2	1	1	1	0	1	1	0	1	1	0	1	0	1	0	1	1	0	1	0	1	0	1	0

AUG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tx	85	85	85	85	85	85	85	85	85	85	84	84	84	84	84	84	84	83	83	83	83	83	83	83	82	82	82	82	82	82	81
Tn	56	56	56	56	56	56	56	56	56	55	55	55	55	55	55	55	55	55	55	55	54	54	54	54	54	54	54	54	54	53	53
P	0	1	0	1	1	0	1	1	0	1	1	1	1	1	1	2	1	1	1	2	1	2	1	2	2	2	2	2	2	3	2

SEP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	--
Tx	81	81	81	81	80	80	80	80	80	79	79	79	79	78	78	78	78	77	77	77	76	76	75	75	75	74	74	73	73	72	
Tn	53	53	53	53	53	53	52	52	52	52	52	52	51	51	51	51	51	50	50	50	50	49	49	49	49	48	48	48	48	47	
P	3	3	3	3	4	4	4	3	4	4	4	4	5	4	5	5	5	5	6	5	6	5	6	6	6	6	7	6	8	7	

OCT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tx	72	71	71	71	70	70	69	69	68	68	67	67	66	66	65	65	64	64	63	63	62	62	62	61	61	60	60	60	59	59	58
Tn	47	47	47	46	46	46	46	45	45	45	45	45	44	44	44	44	44	43	43	43	43	43	43	42	42	42	42	42	42	41	41
P	8	7	8	7	9	8	9	8	10	9	9	10	11	10	11	11	12	12	12	12	13	13	14	14	14	14	14	14	15	14	15

NOV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	--
Tx	58	58	57	57	57	56	56	56	55	55	55	55	54	54	54	53	53	53	53	52	52	52	51	51	51	51	50	50	50	50	
Tn	41	41	41	41	41	41	40	40	40	40	40	40	40	39	39	39	39	39	39	38	38	38	38	38	37	37	37	37	37	37	
P	14	15	16	15	17	18	18	18	19	19	20	19	20	20	20	20	21	21	21	21	21	21	22	21	22	23	23	22	24	24	

DEC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Tx	50	49	49	49	49	48	48	48	48	48	48	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
Tn	36	36	36	36	36	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
P	24	24	24	23	23	24	23	23	23	22	22	22	23	23	23	22	23	22	23	23	23	22	22	23	21	22	21	21	21	21	21

SALEM: Extremes (1892-2023) and 1991-2020 Normals

Latitude: 44° 54' N (44.905) Longitude: 123° 00' W (-123.0011) Field Elevation: 205 feet MSL Barometer: 198 feet MSL

<i>Element</i>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEAR
MAX: Normal Daily	48.4	52.1	56.8	61.6	69.0	74.6	83.5	83.6	77.5	64.8	53.6	47.4	64.4
Warmest Daily MAX	68	72	80	93	100	117	108	108	104	93	74	72	117
<i>Year of Occurrence</i>	1899+	1968	1947+	1926	1983	2021	1941+	1981	1988	1970	2010	1929	2021
Coollest Daily MAX	16	16	31	42	48	53	57	59	52	42	25	16	16
<i>Year of Occurrence</i>	1950	1989	1896	1963+	1965+	1908	1909+	1968	1948	1935	1955	1968	1989+
MIN: Normal Daily	35.8	35.9	38.3	41.0	46.3	50.8	55.1	54.8	50.6	43.9	39.0	35.1	43.9
Coldest Daily MIN	-10	-4	12	23	25	32	35	30	26	19	9	-12	-12
<i>Year of Occurrence</i>	1950	1950+	1971	1968	1954	1976+	1932+	1920	1972+	1919	1955	1972	1972
Warmest Daily MIN	57	54	57	58	62	71	74	69	66	60	63	58	74
<i>Year of Occurrence</i>	2005	1986+	2007	1913+	2008	2015	2006	2023+	2020	1959+	2006	2015+	2006
MEAN: Normal Daily	42.1	44.0	47.5	51.3	57.7	62.7	69.3	69.2	64.0	54.3	46.3	41.3	54.1
Normal Number of Days with Temperature of :													
Maximum ≥ 90°	0	0	0	0	<1	2	6	6	2	0	0	0	15
Maximum ≥ 80°	0	0	0	1	4	8	20	20	12	1	0	0	66
Maximum ≤ 32°	<1	<1	0	0	0	0	0	0	0	0	<1	1	2
Minimum ≤ 32°	11	10	6	2	<1	0	0	0	0	1	7	12	49
Normal Heating Deg. Days	710	588	541	412	239	108	15	16	82	332	561	736	4340
Normal Cooling Deg. Days	0	0	0	1	11	39	148	146	54	2	0	0	401
Normal Relative Humidity (%)													
at 4 am	87	88	88	88	88	87	85	86	87	90	90	89	88 %
at 10 am	84	81	76	70	66	62	57	59	63	76	85	86	72 %
at 4 pm	75	69	61	57	54	49	41	40	44	58	76	80	59 %
at 10 pm	86	85	82	80	77	74	68	69	75	85	88	87	80 %
Average Number of Days with:													
Heavy Fog (vis ≤ ¼ mi)	6	4	2	1	<1	~0	0	~0	1	6	6	6	33
Thunderstorms	~0	~0	~0	<1	1	1	1	1	1	<1	~0	~0	5
Avg Daylight Sky Cover²	8.5	8.3	8.1	7.9	7.5	6.9	6.4	4.2	4.6	5.1	6.8	8.2	8.7
Avg Wind Speed (mph)	6.8	6.9	7.3	6.8	6.4	6.5	6.5	6.0	5.5	5.7	7.1	7.0	6.5
Avg Dominant Direction	S	S	S	S	S	N	N	N	N	S	S	S	-
Highest Sustained Wind	43	46	43	44	33	31	31	31	34	58	49	46	58
Direction of Sustained	S	S	S	S	S	SE	N	S	S	S	S	S	S
<i>Year of occurrence</i>	2010+	1958	2015+	2010+	2014	2009	2007	2000	1997	1962	1998	1995	1962
Strongest Wind Gust	64	60	68	60	46	41	51	45	48	90	74	67	90
Direction of Gust	S	S	S	S	SW	S	W	N	S	S	S	S	S
<i>Year of occurrence</i>	2000	1958	1963	2017	2000	2008	2007	2011	1997	1962	1998	1995	1962
Normal Precipitation (in)	6.08	4.54	4.35	3.12	2.25	1.25	0.25	0.39	1.46	3.47	5.95	6.97	40.08
Monthly Maximum	15.40	13.41	10.13	7.68	6.23	4.61	2.72	4.17	7.05	11.25	16.99	17.54	66.96
<i>Year of Occurrence</i>	1953	2017	1894	1937	1895	1937	1916	1968	2013	2016	1896	1933	1996
Monthly Minimum	0.24	0.34	0.59	0.39	0.05	0.00	0.00	0.00	0.00	0.00	0.48	1.26	23.59
<i>Year of Occurrence</i>	1985	1920	1911	1939	1992	1918	2017+	1988+	1975	1917	1936	1976	2013
Max Rain in 24 hours	3.86	3.16	2.55	2.29	2.23	1.81	1.92	2.00	2.11	4.08	4.44	4.30	4.44
<i>Year of Occurrence</i>	1911	1949	1943	2018	1991	1993	1987	2002	1911	1994	1996	1933	1996
Normal Days w/≥ 0.01 rain	18	16	18	16	12	8	2	3	6	13	18	19	148
“ with ≥ 0.10 rain	13	10	11	10	6	4	1	1	3	7	12	13	92
“ with ≥ 0.50 rain	4	3	3	1	1	1	0	0	1	2	4	5	25
“ with ≥ 1” rain	1	1	<1	0	0	0	0	0	0	1	1	2	6
AVERAGE Snow (in)	3.2	1.6	0.4	0	0	0	0	0	0	0	0.1	1.9	6.5
Monthly Maximum	32.8	25.2	10.9	0.1	0	0	0	0	0	5.0	6.1	23.0	34.0
<i>Year of Occurrence</i>	1950	1937	1951	1972	-	-	-	-	-	1935	1977	1919	1937
Max Snow in 24 hours	11.0	25.0	8.5	T	-	-	-	-	-	5.0	6.1	17.5	25.0”
<i>Year of Occurrence</i>	1930	1937	1960	1983+	-	-	-	-	-	1935	1977	1919	1937

¹Most recent occurrence listed.

²Cloud Cover in OKTAs, or eighths.

³Period of record 1892-Dec 2023.

Notes...