

Richmond Climate Extremes And Averages

TEMPERATURES RECORDS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	High	Low	REMARKS
Monthly Hottest Maximum (1897-2018)	81	*83	*94	*96	100	104	*105	107	103	99	*86	*81	107	*81	Hottest Days
Year of Last Occurrence	2002-30	*1932-11	*1907-23	*1990-27	1941-28	1952-26	*2010-*24	1918-06	1954-07	1941-06	*1993-15	*1998-06	1918-06	2002-30	Apr. has 6 dates
Other Occurrences		*1930-25	*1907-29	*1985-22			*1977-06				*1974-01	*1998-07		*1998-*06	Nov has 3 dates
Monthly Coolest Maximum (1897-2018)	*12	*11	21	*37	47	55	65	*62	52	44	24	13	65	*11	Coolest Days
Year of Last Occurrence	*1994-19	*1899-*11	1980-01	*1972-08	1917-08	1907-02	1939-21	*1908-26	1984-28	1925-30	1929-30	1917-30	1939-21	*1899-11	Year - Day
Other Occurrences	*1970-09	*1899-*12		*1915-03				*1908-27						*1899-12	
Max. Days-The Max. was > = 90°F (1897-2018)	0	0	3-1907	7-1976	11-1962	20-1943	26-1993	24-1980	15-1970	6-*1954	0	0	26-1993	*0	78 Max in 2010
Min. Days-The Max. was > = 90°F (1897-2018)	0	0	0	0	0	0	2-2000	*1-1996	0	0	0	0	2-2000	*0	*14 Min.1917-1927
Ave. Days-The Max. was > = 90°F (1897-2018)	0.0	0.0	0.1	0.7	2.4	8.7	13.8	10.4	4.0	0.4	0.0	0.0	13.8	*0	40.4 Average
Monthly Warmest Minimum (1897-2018)	62	63	68	73	74	*78	81	*79	77	*74	70	65	81	62	Warmest Nights
Year of Last Occurrence	1998-08	2008-06	1913-26	2017-29	1991-31	*2010-24	2011-12	*2006-*03	1993-03	*1986-04	1971-02	2015-24	2011-12	1998-08	Jun. has 4 dates
Other Occurrences						*2008-09		*1980-*03		*2012-03					Aug. has 4 dates
Monthly Coldest Minimum (1897-2018)	-12	-10	10	19	31	40	*51	46	35	21	*10	-2	51	-12	Coldest Nights
Year of Last Occurrence	1940,29	1936,08	2009-04	1923-01	1956-09	1967-02	*1965-02	1934-31	1974-24	1962-27	*1933-16	1917-30	*1965-02	1940-29	Year & Day
Other Occurrences							*1940-15				*1930-29		*1940-15		
Max. Days -The Min. was > = 70°F (1897-2018)	0	0	0	2	4	19	29	*24	17	4	1	0	29	*0	29 2012
Year of Last Occurrence				2017	2018	2010	2012	*2005	2018	2017	1971		2012		Max/Min Year
Max. Days-The Min. was < = 32°F (1897-2018)	31-1977	28-1978	25-1947	06*1976	01*1986					08-1976	22-*1976	31-1960	31-*1977	*0	114 Max 1941
Min. Days-The Min. was < = 32 °F (1897-1918)	06-1937	05-1927	01-1903	0*-Many	0*-Many					0*-Many	0*-Many	06-*2015	06-1972	*0	51 Min 1990
Ave. Days- The Min. was < = 32 °F (1897-2018)	20.9	18.3	10.6	1.7	0.03	0.0	0.0	0.0	0.0	1.1	8.8	18.9	20.9	*0	79.9 Average
Highest Monthly Means (1897-2018)	49.7	49.0	58.5	64.2	73.4	81.1	82.8	82.9	76.8	67.2	56.6	52.1	82.9	49.7	Warmest Month
Year of Occurrence	1950	2017	1945	2017	2018	2010	2010	1900	1921	1919	1985	2015	1900	1950	Yr. of Occurrence
Highest Daily Means (1897-2018)	69.0	71.0	78.5	81.0	*86	90.0	*92	91.5	*87	84.5	77.0	*70.5	*92	69.0	Warmest Day
Year of Occurrence	1950-26	2008-06	1907-23	1915-27	*1991-31	2010-24	2010-*24	1918-06	*2014-02	1941-06	1971-02	1998-*06	2010-*24	1950-26	Year and Day
30-Year Monthly Ave. HIGHS (1981-2010)	47.4	51.3	60.0	70.3	77.9	86.1	89.7	87.6	81.2	71.0	61.4	50.7	89.7	47.4	69.6°F
30-Year Monthly MEANS (1981-2010)	37.9	40.9	48.6	58.2	66.4	75.3	79.3	77.5	70.6	59.7	50.4	41.0	79.3	37.9	58.9°F
30-Year Monthly Ave. LOWS (1981-2010)	28.3	30.5	37.1	46.1	55.0	64.5	68.9	67.4	60.1	48.3	39.4	31.4	68.9	28.3	48.1°F
Lowest Monthly Means (1897-2018)	20.4	23.5	31.8	42.2	52.9	62.3	69.2	67.1	57.8	45.2	33.6	24.3	69.2	20.4	Coldest Month
Year of Occurrence	1940	1934	1960	1907	1967	1907	1918	1927	1917	1987	1910	1917	1918	1940	Yr. of Occurrence
Lowest Daily Means (1897-2018)	4.5	4.5	17.0	29.5	45.5	52.0	62.5	58.5	*49.5	*36.5	19.0	5.5	62.5	4.5	Coldest Day
Year of Occurrence	1985-21	1899-11	1980-01	1923-01	1917-08	1907-02	1939-21	1986-29	*1974-24	*1976-28	1929-30	1917-30	1939-21	*1985-21	Year and Day

* Event occurred in other years but most recent year listed or value appears twice in the records.

Red represents Highest or Maximum Blue represents Lowest or Minimum Green represents Average or Mean Value

TEMPERATURES RECORDS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Max.	Min.	REMARKS
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TEMPERATURES RECORDS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Max.	Min.	REMARKS
Max. Daily Temp. Range (1897-2018)	51	*46	48	*48	47	43	*40	37	46	46	*47	43	51	37	Temp. Ranges Years & Days
Year of last Occurrence	1978-09	*1977-22	1939-24	*1971-13	1963-03	1936-01	*1954-13	1936-02	1932-26	1974-23	*1941-15	1901-15	1978	1936	
Other Occurrences		*1954-10		*1962-22			*1932-13				*1934-17				
Ave. Monthly Max. Range (1897-2018)	35.2	36.2	38.3	39.2	36.3	31.7	29.1	28.9	31.7	36.1	36.1	34.2	39.2	28.9	34.4 Average
Ave. Monthly Min. Range (1897-2018)	5.0	5.8	5.8	7.6	7.6	8.6	8.9	8.2	7.3	6.4	6.2	5.6	8.9	5.0	6.9 Average
Min. Daily Temp. Range (1897-2018)	1	*2	*2	2	*3	*3	3	2	2	*2	*2	*1	*3	*1	Feb has 5 dates Mar. has 4 dates Oct. has 3 dates
Year of last Occurrence	1925-11	*1972-02	*1982-20	1903-26	*2003-23	*1999-20	1908-31	1956-21	1999-15	*1952-10	*1986-11	1972-23	*2003	*1972	
Other Occurrences		*1971-08	*1937-14		*1917-08	*1941-03				*1937-03	*1963-07	2017-09	*1917	*1925	
PRECIPITATION RECORDS													Max.	Min.	Data for Year
Max. Precip. in Month (1887-2018)	10.08	8.92	8.78	8.89	10.35	13.32	18.87	16.30	16.60	9.39	9.60	8.16	18.87	8.16	72.02 inches 1889
Year of Occurrence	1937	1873	1891	1889	2018	2018	1945	2004	1999	1971	2009	2009	1945	2009	Max for Year
Maximum Daily Precip. (1887-2018)	3.31	2.65	3.14	3.86	3.22	7.61	7.24	8.79	4.91	4.76	3.51	2.62	8.79	2.62	22.91 inches 1941
Year of Occurrence	1962-06	1920-03	1992-07	2018-18	1889-20	2018-22	1923-30	1955-12	1935-05	1961-20	2009-12	2008-11	1955	2008	Min. for Year
Average Monthly Precip. (1872-2018)	3.23	2.96	3.66	3.26	3.79	3.92	4.79	4.73	3.61	3.13	2.75	3.15	4.79	2.75	42.75 Average
30-Year Ave. fro (1981-2010)	3.04	2.76	4.04	3.27	3.78	3.93	4.51	4.66	4.13	2.98	3.24	3.26	4.66	2.76	43.60 Average
Minimum Monthly Precip. (1872-2018)	0.55	0.48	0.20	0.64	0.45	0.38	0.51	0.45	0.08	0.01	0.11	0.40	*0.64	0.01	Min. Precip.
Year of Occurrence	1876	1978	2006	1963	1936	1980	1983	1896	2005	2000	1890	1980	*1963	2000	Yr. of Occurrence
Ave. Days in Month Precip. (1887-2018)	10.3	9.6	11.0	9.9	11.3	10.4	11.3	10.2	8.4	7.6	8.0	9.5	11.3	7.6	Ave. per Month 9.8
Measurable Precip.-Max. Days(1887-2018)	22-1937	19-1891	18-1891	18-1918	23-2003	20-1924	22-1945	*18-1942	19-1888	*16-1971	16-1948	19-1914	23-2003	16-*1948	151 Max 1891 ^
Measurable Precip.-Min. Days (1887-2018)	3-1981	2-1968	4-2006	2-1942	3-1936	4-1959	3-*1963	*4-1995	2-1922	*1-2000	2-1908	2-1965	*4-1995	1-*2000	86 Min. 1941
SNOWFALL RECORDS													Max.	Min.	Data for Year
Max. Snowfall in a Month (1898-2018)	28.5	21.4	19.7	10.0	0	0	0	0	0	*T	7.3	17.2	28.5	*0	47.0 inches 1942
Year of Occurrence	1940	1983	1960	1915						*1979	1953	1908	1940		Max for Year
Maximum Daily Snowfall (1898-2018)	19.9	13.3	10.6	10.0	0.0	0.0	0.0	0.0	0.0	*T	7.2	15.0	19.9	*0	Trace 1950
Year of Occurrence	1940-24	1983-11	1980-01	1915-03						*1979-10	1953-06	1908-22	1940-24		Minimum for Yr.
Ave. Monthly snowfall (1897-2018)	4.4	3.8	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.3	4.4	*0	13.1 Average
30-Year Ave. from (1981-2010)	3.9	3.4	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.1	3.9	*0	10.3 Average
Measurable Snowfall-Ave.Days (1898-2018)	2.4	2.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2	2.3	*0	7.0 Ave. per Year
Measurable Snowfall-Max.Days(1898-2018)	*7	*7	6	2	0	0	0	0	0	0	4	6	6	*0	16 Max. per Yr.
Year of Occurrence	*1977	*2003	1960	1918							1938	1914	1918		in 1962, 1914 and 1904

* Event occurred in other years but the most recent year is listed or value appears twice in the records.

Averages based on - - Mean temps from 1880 others 1897, Precip. Monthly totals 1871 others 1887, Snow records from 1897

Red represents Highest or Maximum **Blue represents Lowest or Minimum** **Green represents Average or Mean Value**

Extra Information - Longest Period of consecutive days without measurable precipitation was 36 days from October 15, 2001 to November 19, 2001.

Longest period of consecutive days with measurable precipitation is 11 days - (four occurrences)

10-19-1897 to 10-29-1897, 08-3-1942 to 08-13-1942, 08-8-1955 to 8-18-1955, 04-30-2003 to 05-10-2003

PRECIPITATION RECORDS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MAX.	MIN.	REMARKS
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