

U. S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU

# LOCAL CLIMATOLOGICAL DATA

## WITH COMPARATIVE DATA

1954

RICHMOND, VIRGINIA



### NARRATIVE CLIMATOLOGICAL SUMMARY

In its location in east-central Virginia, Richmond enjoys the climatic variety of more northerly cities without the penalty of too much severity. In a record exceeding three-fourths of a century's length, the city's lowest temperature, on February 10, 1899, was  $-3^{\circ}$ , and the highest, on August 6, 1918,  $107^{\circ}$ F. Fifty years of record show an average wintertime minimum a degree or two below freezing and summer maxima in the upper 80's. The greatest number of consecutive days with minima  $10^{\circ}$  or below was 7 (February 9-15, 1899), while the longest period of maxima  $90^{\circ}$  or above was 15 days (August 6-20, 1900).

Precipitation averages for the same period indicate normal falls of three inches or more in every month except October and November, with maxima approaching five inches in the thunderstorm months of July and August. The greatest number of consecutive days with measurable precipitation was 12 (August 3-14, 1942), and the greatest number of days without measurable precipitation was 39 (September 12 to October 21, 1884).

A notable feature of Richmond's climate is the characteristic of its occasional spectacular snowstorms, which, about every seven years, fill the city with wet, heavy falls ranging upward from ten inches to near two feet, causing much difficulty with transportation. Falls of four inches or more occur on an average of once a year. Snow-lying days range from one to a maximum of ten (January 19 to February 7, 1918). The months of December through April have all had maximum monthly snowfall totals of ten inches or more.

The average duration of the growing season is 216 days. The shortest season was in 1907 (190 days) and the longest in 1929 (256 days). The latest date of the last killing frost in Spring was April 26, 1919 and the earliest

in Autumn was October 12, 1908.

The James River reaches tidewater at Richmond, where flooding has occurred in every month of the year, most frequently in March (28 times in 60 years) and least frequently in July (twice in 60 years). Spring thaws, along with moderate to heavy rains in its upper reaches and tributaries, have on four occasions caused major floods (exceeding 20 feet at Richmond). The other major floods occurred in the Fall months and resulted from torrential rains accompanying disturbances, tropical or other, which moved northward over the Piedmont Plateau.

Richmond has had its fair share of noteworthy damaging storms. While some glaze forms during each Winter, it is as a rule slight and without damaging effects. However, there have been two spectacular glaze storms. The first, on December 15-17, 1905, caused great damage to hundreds of trees and to transmission lines of all kinds. One person was killed by a live wire. The second storm (January 27-28, 1943), in which the ice accumulation was nearly one inch in thickness, was probably the worst in the city's history. Telephone, telegraph, and power lines were out of service in some sections for two weeks or more and many thousands of trees were destroyed or badly broken. There have been several damaging rain-storms that caused disastrous local flooding. The summer of 1922 produced excessive rainfall on three occasions, July 13 and 28 and August 26, resulting each time in the overflow of Shockoe Creek. The worst of these was on July 13 when the water rose to a depth of five feet at the Main Street railroad station. Damages from the three storms amounted to nearly a million dollars. A similar and greater flood occurred on July 30, 1923 when a torrential downpour of 6.33 inches in two hours was recorded. One life was lost.

LATITUDE 37° 30' N  
 LONGITUDE 77° 20' W  
 ELEVATION (ground) 162 feet

# METEOROLOGICAL DATA FOR THE CURRENT YEAR

RICHMOND, VIRGINIA  
 BYRD FIELD  
 1954

Month	Temperature						Degree days	Precipitation					Relative humidity				Wind					Number of days																	
	Averages			Extremes				Total	Greatest in 24 hrs.	Date	Snow, Sleet, Hail			1:30 a.m., EST	7:30 a.m., EST	1:30 p.m., EST	7:30 p.m., EST	Average hourly speed	Prevailing direction	Fastest mile			Percent of possible sunshine	Average sky cover sunrise to sunset	Sunrise to sunset			Precipitation 0.1 inch or more	Snow, Sleet, Hail 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures							
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest					Date	Total	Greatest in 24 hrs.							Date	1:30 a.m., EST	7:30 a.m., EST			1:30 p.m., EST	7:30 p.m., EST	Speed					Direction	Date	Clear	Partly cloudy	Cloudy	90° and above	32° and below	32° and below
Jan.	48.4	27.6	38.0	72	27	10	13	829	3.70	1.69	21-22	7.5	5.6	22-23	75	80	58	68	8.4	S	26	NW	28+	47	6.5	7	7	11	13	11	3	0	0	0	0	0	3	23	0
Feb.	57.0	32.7	44.9	76	15	14	13	556	1.56	1.34	21	0.0	0.0		70	77	43	55	8.9	S	29	SW	28+	60	5.3	12	5	11	3	0	0	0	0	0	0	0	0	14	0
Mar.	58.9	35.0	47.0	82	25	20	5	553	2.44	0.98	28-1	0.0	0.0		68	74	42	51	9.5	W	30	SE	1	65	5.6	7	12	12	10	0	0	0	1	0	0	0	11	0	
Apr.	74.2	48.2	61.2	89	27	28	4	183	3.08	0.98	16	0.0	0.0	4	88	79	48	62	9.6	S	35	NW	8	68	5.6	12	8	10	12	0	0	4	0	0	0	0	0	0	0
May	74.3	51.6	63.0	91	3	37	11	151	4.36	1.51	19-20	0.0	0.0		87	88	48	68	7.8	W	31	NW	17	64	6.5	4	15	12	15	0	0	4	0	0	2	0	0	0	0
June	86.5	62.6	74.6	98	26+	50	6	1	1.09	0.52	15-16	0.0	0.0		80	73	45	61	7.5	SW	31	NW	26	73	5.4	7	17	6	6	0	6	0	4	0	0	11	0	0	0
July	91.1	66.1	78.6	103	14	58	17	0	1.30	0.73	15	0.0	0.0		81	74	42	56	7.2	S	45	NW	15	74	4.5	15	9	7	8	0	5	0	18	0	0	0	0	0	0
Aug.	87.4	66.2	76.8	101	16	53	12	0	3.95	1.69	18	0.0	0.0		85	81	51	67	7.2	WSW	34	SE	19	60	5.5	9	13	9	10	0	10	3	11	0	0	0	0	0	0
Sept.	87.7	61.0	74.4	103	7	47	24	5	0.69	0.33	10-11	0.0	0.0		83	83	43	63	7.6	SW	26	NW	21	76	3.8	17	7	6	5	0	5	4	12	0	0	0	0	0	0
Oct.	74.5	50.0	62.3	94	4+	32	31	220	4.99	1.48	1-2	0.0	0.0	30	83	83	48	72	8.2	SW	68	SE	15	70	4.0	17	5	9	8	0	4	1	6	0	0	1	0	0	
Nov.	56.1	36.0	46.1	72	12	25	27	561	1.86	0.58	2	0.0	0.0		87	89	55	74	7.6	N	28	SW	29	50	5.7	11	6	13	11	0	1	4	0	0	0	12	0	0	
Dec.	48.2	28.2	38.2	69	30	11	22	826	2.43	0.99	13-14	2.2	2.2	5-6	77	80	54	69	8.6	WSW	29	SW	30+	57	5.2	12	8	11	7	1	0	1	0	1	0	23	0	0	
Year	70.4	47.1	58.8	103	Sept 7+	Jan 10	13	3885	31.45	1.69	Aug. 18+	9.7	5.6	Jan. 22-23	80	79	48	64	8.2	S	68	SE	Oct. 15	65	5.3	130	116	119	106	4	39	20	60	4	87	0	0	0	

(c) City data through 1952, Airport thereafter  
 (d) Record lowest at Airport -12; January 1940

## NORMALS, MEANS, AND EXTREMES

Month	Temperature						Normal degree days	Precipitation (c)					Relative humidity				Wind					Mean number of days (c)																						
	Normal			Extremes (c)				Normal total	Maximum monthly	Year	Minimum monthly	Year	Snow, Sleet, Hail			Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	1:30 a.m., EST	7:30 a.m., EST	1:30 p.m., EST	7:30 p.m., EST	Mean hourly speed	Prevailing direction	Fastest mile			Pct. of possible sunshine	Mean sky cover sunrise to sunset	Sunrise to sunset			Precipitation 0.1 inch or more	Snow, Sleet, Hail 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures					
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest							Year	Total	Greatest in 24 hrs.												Date	1:30 a.m., EST	7:30 a.m., EST			1:30 p.m., EST	7:30 p.m., EST	Speed					Direction	Date	Clear	Partly cloudy	Cloudy	90° and above
(a)	(b)	(b)	(b)	57	57	(b)	(b)	83	83	57	57	57	57	57	57	57	57	57	15	57	37	43	57	6	43	43	51	56	57	57	57	57	57	57	57	57	57	57	57	57	57			
J	48.1	28.4	38.3	80	1943	-1	1918	828	3.64	10.08	1937	0.55	1876	2.66	1921	3.5	22.4	1940	16.0	1940	77	84	60	69	8.2	SSW	82	SW	1913	49	5	57	9	8	14	11	1	*	2	0	0	3	19	*
F	50.3	29.0	39.7	82	1930	-3	1899	708	3.2	7.78	1873	0.55	1901	3.30	1920	3.3	20.2	1899	12.6	1936	72	78	57	63	8.5	SSW	51	NW	1917	55	10	7	11	10	1	*	1	0	0	2	17	*		
M	59.2	35.9	47.5	94	1907	12	1943	550	3.42	8.78	1891	1.07	1930	3.59	1903	2.2	15.8	1914	7.8	1914	74	77	53	62	9.2	W	51	W	1942	59	11	9	11	11	1	2	1	2	0	0	9	0		
A	68.3	43.8	56.1	96	1925	19	1923	271	3.23	8.89	1889	0.52	1942	5.33	1910	0.3	10.0	1915	10.0	1915	75	74	50	59	8.8	SSW	62	NW	1943	63	10	11	9	10	10	*	*	*	*	0	1	0		
M	77.7	53.9	65.8	98	1941	35	1923	66	3.64	9.13	1889	0.45	1930	2.39	1907	0.3	0.3	1951	0.3	1951	64	76	52	64	7.4	SSW	56	SW	1923	67	12	10	9	12	0	6	2	1	2	0	0			
H	85.4	63.1	74.3	104	1936	43	1938	0	3.87	9.28	1938	1.09	1954	3.69	1938	0.3	0.3	1952+	0.3	1952+	86	78	54	68	6.7	S	53	NW	1917	66	10	11	9	11	0	8	*	*	1	2	0	0		
J	87.8	67.2	77.5	105	1936	52	1933	0	5.64	16.08	1945	0.57	1911	7.26	1923	0.0	0.0	1931+	0.0	1931+	89	81	56	72	6.5	SSW	47	SW	1920	65	5	10	13	8	11	0	10	1	12	0	0			
A	86.3	65.4	75.9	107	1918	49	1923	0	5.05	11.42	1931	0.45	1896	5.71	1931	0.0	0.0	1915	0.0	1915	89	84	57	74	6.2	SSW	50	SE	1952	62	5	10	12	9	11	0	7	1	8	0	0			
S	80.9	59.7	70.3	103	1954	40	1942	33	3.65	10.41	1888	0.15	1884	6.68	1935	0.0	0.0	0.0	0.0	1953	89	85	56	77	6.4	N	45	SE	1952	63	4	9	12	9	10	0	3	2	4	0	0			
O	70.4	47.2	58.8	99	1941	28	1952+	210	2.61	8.51	1890	0.11	1874	4.81	1929	0.0	0.0	1954+	0.0	1954+	86	84	53	72	6.9	N	68	SE	1954	64	4	14	8	9	7	0	1	2	0	0				
N	59.6	37.2	48.4	83	1946	14	1929	498	2.49	8.69	1920	0.11	1890	2.77	1902	0.3	0.2	1938	0.3	1953	82	81	53	67	7.5	S	47	SW	1920	58	4	12	8	10	8	*	*	0	0	0	7	0		
D	49.4	29.5	39.5	77	1927	-2	1917	791	2.89	7.10	1905	0.57	1869	2.52	1909	2.6	17.2	1908	17.2	1908	78	82	59	69	7.7	S	46	SW	1944	50	5	5	11	7	13	10	1	*	2	0	2	18	*	
Year	68.6	46.7	57.7	107	Aug. 1918	-3	Feb. 1899	3955	42.89	16.08	July 1945	0.11	1890	7.26	July 1923	12.4	22.4	Jan. 1940	17.2	Dec. 1908	82	80	55	68	7.5	SSW	68	SE	1954	61	5	11	132	111	122	122	4	40	16	33	7	71	*	

REFERENCE NOTES

(a) Length of record, years.  
 (b) Normal values are based on the period 1921-1950, and are means adjusted to represent observations taken at the present standard location.  
 \* Less than one half.  
 + No record.  
 † Airport data.  
 ‡ City Office data.  
 § Also on earlier dates, months, or years.  
 † Trace, an amount too small to measure.

Record mean values at the end of the Average Temperature and Total Precipitation tables are long-term means based on the period of record beginning in 1898. Values have not been corrected for changes in instrument location listed in the Station Location Table.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degree F.; precipitation and snowfall in inches; wind movement in miles per hour, and relative humidity in percent.

Sky cover is expressed in a range of 0 for no clouds or obstructions to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3 tenths; partly cloudy days on 4-7 tenths and cloudy days on 8-10 tenths. Degree days are based on a daily average of 65° F. Sleet and hail were included in snowfall totals, beginning with July 1948.

Data for earlier years may be obtained by contacting the Weather Bureau Office in the city for which this summary was issued.

Heavy fog in the Means and Extremes Table includes data referred to at various times in the past as "Dense" or "Thick". The upper visibility limit for heavy fog is 1/4 mile.

Below zero temperatures are preceded by a minus sign.

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% Average Temperature Table, 1898. Total Precipitation Table, 1872.

# AVERAGE TEMPERATURE

# TOTAL PRECIPITATION

RICHMOND, VIRGINIA  
BYRD FIELD  
1954

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An. 1
1910	39.0	39.4	53.9	58.4	63.8	70.3	77.8	74.6	71.8	61.0	42.5	34.1	57.2
1911	41.8	41.0	44.6	52.4	69.8	75.0	79.6	77.7	72.5	59.2	45.0	43.2	58.5
1912	28.9	35.0	44.9	59.6	67.0	72.2	77.6	76.4	73.0	60.2	48.2	43.2	57.2
1913	46.7	40.0	52.0	67.8	66.6	73.8	79.0	75.2	69.0	60.2	50.2	42.2	57.4
1914	41.8	35.0	41.8	56.0	68.6	75.8	76.9	77.6	68.2	61.8	48.0	35.7	57.3
1915	39.4	43.7	40.6	59.9	66.0	72.0	78.0	76.2	72.4	61.3	49.2	37.7	58.0
1916	44.0	38.8	43.6	55.8	69.7	71.7	77.5	76.1	68.2	60.2	48.5	38.8	57.7
1917	39.8	37.6	46.6	57.4	61.7	73.6	76.8	75.8	65.2	54.8	44.4	30.0	55.3
1918	28.0	41.2	51.7	64.7	70.4	71.0	73.8	78.3	65.6	62.2	47.8	43.2	57.3
1919	40.6	39.8	49.5	56.6	66.1	73.2	77.6	75.0	71.3	67.2	48.8	35.9	58.5
1920	34.2	35.5	48.2	55.2	60.8	72.4	75.4	75.2	71.0	62.0	47.2	41.0	56.5
1921	39.9	42.0	57.6	60.1	63.1	74.8	80.0	76.6	76.8	59.5	51.6	41.0	60.2
1922	35.0	41.9	49.4	58.6	67.2	75.0	77.6	73.3	70.6	60.8	49.0	42.3	58.4
1923	40.1	37.0	48.0	55.8	64.4	76.0	76.4	75.2	70.8	57.7	46.8	47.6	58.0
1924	38.0	38.2	45.6	62.8	62.8	72.8	75.2	76.4	65.8	58.6	48.8	40.5	56.4
1925	36.6	47.4	48.9	59.2	62.0	77.9	79.6	74.3	75.4	55.1	46.7	38.6	58.5
1926	37.8	41.8	43.0	54.5	65.7	71.4	77.6	78.0	71.2	60.2	46.4	37.8	57.1
1927	37.9	45.9	50.2	53.8	66.2	69.4	76.0	71.3	70.6	61.4	53.1	41.0	58.1
1928	36.9	40.4	47.4	54.2	64.1	72.8	78.4	78.0	65.8	61.4	50.4	41.0	57.0
1929	36.8	38.2	52.8	60.2	65.8	73.1	77.0	75.1	71.2	58.0	49.8	41.4	58.4
1930	39.6	45.3	46.4	55.6	68.8	74.2	79.8	76.1	76.8	57.2	48.1	36.8	58.7
1931	39.7	41.5	42.3	54.4	65.5	73.8	80.4	75.7	74.4	62.3	55.9	47.8	59.5
1932	49.8	46.2	43.9	55.0	65.1	74.1	79.1	78.8	72.2	60.4	46.8	42.4	59.5
1933	45.6	41.2	46.4	56.8	70.1	75.8	76.2	76.6	74.4	58.7	47.4	43.2	57.9
1934	42.4	29.0	43.4	58.8	67.0	78.1	80.6	76.0	72.3	58.0	51.1	39.6	59.4
1935	36.1	39.6	52.2	53.7	63.8	74.4	77.6	76.2	68.6	59.9	52.4	33.3	57.3
1936	33.0	34.6	52.4	54.0	68.6	74.0	79.9	79.0	73.6	61.8	47.6	41.4	58.3
1937	46.4	39.3	44.7	56.4	66.8	76.4	77.0	77.6	66.8	56.4	47.8	40.0	58.0
1938	38.2	44.8	53.2	59.7	65.6	72.0	77.1	79.0	69.0	59.2	52.0	40.8	59.2
1939	42.3	45.5	49.4	56.8	67.8	77.0	76.2	77.8	62.8	60.6	46.6	41.4	59.5
1940	27.3	39.9	44.6	53.6	66.0	75.4	76.6	74.4	67.9	57.8	49.5	44.4	56.4
1941	37.0	36.1	42.0	61.2	68.6	74.4	78.8	78.0	73.6	67.0	51.4	43.9	59.3
1942	36.8	36.8	49.2	60.2	70.7	75.8	80.0	75.4	72.0	61.2	50.8	37.7	58.9
1943	40.4	42.2	47.6	54.2	62.9	72.0	78.4	78.8	69.2	58.2	48.6	39.4	58.9
1944	39.8	41.2	45.5	56.7	71.8	76.9	76.6	75.7	71.8	58.8	48.9	37.0	58.5
1945	35.0	41.8	58.6	61.3	64.2	75.6	78.6	75.6	74.4	59.2	51.1	34.6	59.0
1946	39.0	42.7	54.9	58.2	66.5	73.3	75.8	73.4	71.0	62.2	54.2	44.7	59.0
1947	45.2	34.2	41.4	58.2	67.4	72.9	75.6	79.4	71.2	64.6	47.0	39.4	58.7
1948	32.2	40.9	51.4	58.3	66.7	75.1	78.6	76.2	69.6	57.8	54.5	43.6	58.7
1949	46.4	47.8	49.2	56.6	66.6	75.4	80.2	77.0	68.2	63.6	50.6	43.9	60.5
1950	50.7	41.8	45.3	55.3	65.6	74.0	76.2	75.3	68.4	62.1	48.0	37.4	58.3
1951	41.4	42.4	47.5	56.9	65.8	74.4	78.8	79.0	72.4	65.5	45.5	43.1	58.7
1952	43.5	43.1	47.2	58.7	65.8	75.0	80.5	78.8	70.1	56.3	50.0	40.6	59.3
1953	42.9	43.4	48.3	58.0	71.5	75.2	79.9	77.3	70.0	60.7	48.5	42.5	59.9
1954	38.0	44.9	47.0	61.2	63.0	74.6	78.6	76.8	74.4	62.3	46.1	38.2	58.8

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1910	3.38	2.38	1.42	8.74	2.67	5.67	6.40	2.90	1.07	5.03	0.98	2.50	43.14
1911	3.65	2.20	2.15	4.00	0.60	2.83	5.70	7.26	1.85	3.61	4.33	3.95	37.00
1912	2.34	3.76	8.18	2.17	4.59	2.50	1.25	1.49	4.20	0.58	1.73	2.84	35.63
1913	2.53	1.51	3.53	2.54	4.80	3.78	3.65	4.59	3.20	3.95	1.49	2.17	37.74
1914	3.65	3.27	3.66	1.28	2.50	2.76	3.00	2.42	1.47	1.67	2.20	4.95	32.83
1915	5.41	3.92	1.10	1.68	3.00	3.77	2.42	7.34	1.99	3.27	0.63	1.93	36.46
1916	1.51	3.68	1.57	1.94	4.74	8.72	5.39	1.55	2.01	1.44	1.31	3.40	37.26
1917	2.98	2.28	5.97	2.56	4.59	5.31	6.28	2.74	4.62	3.78	0.44	1.72	43.27
1918	5.81	0.93	3.98	8.02	3.30	5.36	1.05	2.76	3.55	0.59	1.26	4.79	41.36
1919	3.64	2.22	3.51	3.25	5.19	3.90	9.92	2.62	0.54	1.71	1.31	2.30	40.11
1920	2.02	6.67	3.11	2.96	3.06	6.34	6.05	8.89	2.71	0.66	6.69	1.87	50.83
1921	3.80	3.52	2.13	4.65	3.89	1.49	2.36	0.61	0.95	1.20	2.97	3.02	30.59
1922	4.58	3.81	7.01	2.01	3.27	6.42	8.48	7.78	0.66	3.68	0.86	3.14	51.70
1923	4.61	3.09	5.88	3.96	1.16	2.09	10.87	6.41	4.25	2.16	2.20	2.28	47.96
1924	2.98	2.34	4.00	5.11	7.36	4.85	2.33	3.05	9.58	0.78	1.61	3.40	48.39
1925	5.42	0.90	2.47	2.33	2.15	2.24	2.32	2.55	0.93	4.67	1.55	3.89	31.42
1926	3.30	3.60	1.96	2.01	1.59	2.19	7.27	5.24	1.46	0.81	3.63	4.56	37.52
1927	0.70	2.87	1.95	3.47	3.30	3.12	9.10	7.19	4.01	2.02	1.61	5.02	44.36
1928	2.23	1.84	2.71	6.86	1.99	7.19	1.95	8.05	7.01	0.40	1.20	1.46	42.89
1929	1.53	5.19	3.96	3.50	4.00	3.02	2.16	2.41	2.41	6.99	3.34	2.70	41.21
1930	4.25	1.21	0.97	3.19	2.71	5.18	4.51	2.35	1.37	1.31	1.63	2.48	31.26
1931	5.88	2.60	2.94	3.97	5.64	2.98	4.47	11.42	1.92	1.15	0.24	2.52	41.73
1932	1.64	1.68	6.21	1.69	4.17	3.17	1.66	1.36	0.75	6.58	3.50	4.84	41.23
1933	3.85	2.73	2.15	4.02	4.84	1.63	4.59	8.84	1.05	0.72	1.17	3.14	38.73
1934	1.63	5.34	4.36	2.10	4.83	3.65	3.22	3.22	5.92	0.22	3.34	2.32	40.75
1935	4.41	2.13	4.00	4.40	3.81	6.22	5.64	3.68	9.23	1.73	3.19	2.12	50.56
1936	7.76	3.92	3.83	2.68	0.45	3.88	3.18	2.80	1.43	1.68	0.92	4.34	36.97
1937	10.08	2.42	1.66	6.02	1.64	6.02	6.00	9.85	2.51	6.34	2.44	0.80	55.98
1938	2.96	1.89	3.57	2.80	4.66	9.28	9.71	2.44	3.85	1.58	3.51	2.81	48.96
1939	2.64	3.87	4.39	3.00	1.80	4.99	4.33	5.84	1.56	4.33	2.41	1.50	40.66
1940	3.09	2.81	2.09	5.19	4.65	3.78	3.52	11.08	1.55	2.02	4.58	1.56	45.92
1941	2.32	1.14	2.43	3.23	1.88	2.08	3.51	3.86	2.20	0.75	0.46	2.96	26.82
1942	4.33	1.11	5.15	0.52	3.57	4.75	3.11	5.73	3.05	7.38	1.23	3.05	44.18
1943	1.19	1.93	4.49	2.16	3.11	4.07	5.08	0.80	3.60	2.11	1.70	2.17	34.41
1944	2.90	5.40	5.67	3.32	1.12	1.29	5.51	5.16	3.74	1.76	3.77	2.14	41.78
1945	2.22	3.28	3.19	2.90	5.35	1.43	16.08	2.67	6.44	1.06	3.12	5.78	51.72
1946	2.29	2.52	2.39	3.07	7.59	4.14	8.43	3.15	1.80	2.15	1.78	3.08	42.39
1947	3.86	2.01	2.30	2.20	3.47	4.49	2.87	2.52	7.03	1.81	5.17	1.47	39.20
1948	4.69	2.61	4.98	4.60	5.47	1.95	5.79	6.38	3.05	3.27	5.43	4.29	52.51
1949	3.25	2.50	2.34	2.31	6.11	4.65	4.25	8.56	3.46	5.36	2.24	1.84	46.87
1950	2.51	1.65	3.37	0.75	5.21	1.15	7.92	3.54	3.99	1.69	1.27	3.15	36.40
1951	1.20	1.98	3.23	2.55	3.03	5.11	3.69	4.92	1.97	2.05	4.81	3.79	39.26
1952	4.39	2.50	5.61	4.99	3.90	4.29	2.84	8.06	1.52	2.06	6.59	2.90	50.69
1953	4.47	3.36	3.95	3.18	2.35	3.06	2.04	0.99	6.84	2.16	1.85	2.94	37.17
1954	3.70	1.56	2.44	3.08	4.36	1.09	1.30	3.95	0.69	4.99	1.86	2.43	31.45

RECORD  
MEAN  
TEMP  
MAX  
MIN

# STATION LOCATION

RICHMOND, VIRGINIA  
BYRD FIELD  
1954

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude	Longitude	Elevation above										REMARKS
						Sea level		Ground								
						Ground	Actual barometer elevation (H <sub>a</sub> )	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage		
<b>CITY OFFICE</b>																
High elevation in East Richmond	1-1880	2-1893				Est. 150										W. H. Pleasants, Exact address unknown.
Near Southern RR Bridge	3-1893	3-1895	?			Est. 35										A. J. Duesberry, River Observer, Observed Temperatures.
Westbrook Farms	4-1895	10-1897	4 mi. N	27° 36' N	77° 24' W	196										Capt. J.C. Shafer, Temperatures only.
State Library Building Capitol Square	9-18-95	5-22-97	4 mi. S	37° 32' N	77° 27' W	142										Section Center, No Observations.
Chamber of Commerce Bldg Ninth & Main Streets	5-22-97	10- 4-97	3/8 mi. SW	37° 32' N	77° 27' W	104										Section Center, No Observations.
Chamber of Commerce Bldg. Ninth & Main Sts.	10- 5-97	5-31-00				143.70	107	98	98		88		88			Observational Program begun 10-5-97.
Times Bldg., 10th & Bank Streets	5-31-00	6-30-05	1/8 mi. NE	37° 32' N	77° 27' W	115	156.90	92	82	82		76		76		
Mutual Assurance Bldg. 9th & Main Streets	6-30-05	1-30-10	1/8 mi. SW			104	214.82	154	145	145		138		138		
Weather Bureau Building Chimborazo Park, 3301 E Broad Street	1-30-10	7- 1-39	1-1/2 mi. E	37° 32' N	77° 25' W	162	169.59	53	11	11		3		3		
Weather Bureau Building Chimborazo Park, 3301 E Broad Street	7- 1-39	9-24-42														Observational program at Airport
Weather Bureau Building Chimborazo Park, 3301 E Broad Street	9-24-42	4-19-46											4			Observations, including Pibal, returned to WBO. Byrd Field occupied by AAF.
Weather Bureau Building Chimborazo Park, 3301 E Broad Street	4-19-46	6- 1-50														
Observational and Pibal Program returned to WBAS, Byrd Field. Climatological Observations only at WBO. Triple register and associated instruments moved to WBAS. Weighing gage returned to WBO. Climatological observations.																
Weather Bureau Building Chimborazo Park, 3301 E Broad Street	6- 1-50	7- 1-53		37° 32' N	77° 25' W	162		# 53	11				4	3		# Wind instruments for display. WBO consolidated with WBAS 7-1-53.
<b>AIRPORT STATION</b>																
Old WB/CAA Bldg. location	7-15-25	8- 3-30	None	37° 30' N	77° 20' W	*158	163.96	-	-	-	-	-	-	-	-	Branch service of City Office and CAA cooperating.
WB-CAA Building	8- 3-30	5-26-35	None	37° 30' N	77° 20' W	158	163.96	40	5	5	-	-	-	3		Full WBAS established; closed 1935.
WB-CAA Building	5-27-35	7-14-38	None	37° 30' N	77° 20' W	158	163.96	* 40	5	5	-	-	-	3		Observations by CAA during period WB closed.
WB-CAA Building	7-14-38	9-24-42	None	37° 30' N	77° 20' W	158	163.96	* 50	5	5	-	-	-	3		Reopened same location; closed 1942 because AF had AP.
Army Hangar (Operations Annex)	9-24-42	4-19-46	1/2 mi. NNW	37° 30' N	77° 20' W	156	159.72	55	5	5	-	-	-	3		Army base closed after World War II.
Old Airport Administration Building	4-19-46	6- 1-50	1/3 mi. SSE	37° 30' N	77° 20' W	156	166.85	46	5	5	-	-	-	4		WBAS re-opened in airport terminal building (old).
Byrd Field, New Terminal Building	6- 1-50	Present	4/5 mi. N	37° 30' N	77° 20' W	162	180.24	67	6	6	-	3	-	3		All Airport operations consolidated in new Terminal Building. * Data doubtful.