

U. S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU

# LOCAL CLIMATOLOGICAL DATA

WITH COMPARATIVE DATA

1959

RICHMOND, VIRGINIA



## NARRATIVE CLIMATOLOGICAL SUMMARY

Richmond is located in East Central Virginia at the head of navigation on the James River and along a line separating the Coastal Plains (Tidewater Virginia) from the Piedmont. The Blue Ridge Mountains lie about 90 miles to the west and the Chesapeake Bay 60 miles to the east. Elevations range from a few feet above sea level along the river to a little over 300 feet in parts of the west section of the city.

The climate might be classed as modified continental. Summers are warm and humid and winters generally mild. The mountains to the west act as a partial barrier to outbreaks of cold, continental air in winter, the coldest air being delayed long enough to be modified, then further warmed as it subsides in its approach to Richmond. Because of proximity to open waters of the Chesapeake Bay and the Atlantic Ocean, they contribute to the warm and humid summers and mild winters. The coldest weather normally occurs in late December and in January, when low temperatures usually average in the upper twenties and the high temperature in the upper forties. Temperatures seldom lower to zero. The record lowest temperature of minus 12 degrees was recorded at the Airport in January 1940. The record high temperature of 107 occurred in August 1918 at Chimborazo Park.

Precipitation is rather uniformly distributed throughout the year. However, dry periods lasting several weeks do occur, especially in autumn when long periods of pleasant, mild weather are most common. There is considerable variability in total monthly amounts from year to year so that no one month can be depended upon to be normal. Snow has been recorded during seven of the twelve months. Falls of four inches or more occur on an average of once a year. Snow usually remains on the ground only 1 or 2 days at a time but on one occasion it remained 21 days (January 23

to February 13, 1948.) Ice storms (freezing rain or glaze) are not uncommon in winter but they are seldom severe enough to do any considerable damage. A notable exception was the spectacular glaze storm of January 27-28, 1943 when heavy damage was done to trees and overhead transmission lines of all kinds.

The James River reaches tidewater at Richmond where flooding has occurred in every month of the year, most frequently in March (28 times in the past 61 years), and only twice in July. Hurricanes and less severe storms of tropical origin have been responsible for most of the flooding during the summer and early fall months. In recent years, three hurricanes brought more than normal rainfall to Richmond within a six-weeks period in 1955. The most noteworthy of these were Hurricanes Connie and Diane that brought heavy rains five days apart which sent the James River out of its banks at Richmond, during August 18th through August 20th.

Damaging storms occur mainly from snow and freezing rain in winter and from hurricanes, tornadoes and severe thunderstorms at other seasons. Damage may be from wind, flooding or rain or from any combination of these. Three tornadoes have been observed in the Richmond area, the latest, July 20, 1956. The highest wind recorded has been 68 mph with a peak gust of 79 mph at the time of Hurricane Hazel, October 15, 1954.

The dates of the last freeze in spring and of the first in autumn mark the limits of the growing season for most crops. The average growing season is 216 days. May 9, 1956, has been the latest date in spring when a temperature of 32 degrees or lower was recorded; October 8, 1935, has been the earliest date in autumn.

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

# METEOROLOGICAL DATA FOR THE CURRENT YEAR

RICHMOND, VIRGINIA  
 BYRD FIELD  
 1959

Month	Temperature						Degree days	Precipitation						Relative humidity				Wind				Number of days															
	Averages			Extremes				Total	Greatest in 24 hrs.	Date	Snow, Sleet			1:00 a.m., EST	7:00 a.m., EST	1:00 p.m., EST	7:00 p.m., EST	Average hourly speed	Prevailing direction	Fastest mile			Percent of possible sunshine	Average sky cover sunrise to sunset	Sunrise to sunset			Temperatures									
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest					Date	Total	Greatest in 24 hrs.							Date	Speed	Direction			Date	Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	0° and below	
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest					Date																										Maximum
JAN	48.6	26.4	37.5	72	21	8	18	84.7	1.31	.55	1-2	2.4	2.1	16	69	74	52	62	8.9	S	40	S	21	54	5.8	11	7	13	7	1	1	2	0	0	4	21	0
FEB	52.7	30.4	41.6	73	10	13	21	65.0	1.87	.73	4-5	.0	.0	16	73	76	51	60	8.3	SW	29	W	6	49	6.8	7	9	16	8	0	0	2	13	0	0		
MAR	59.4	35.1	47.3	83	25	24	8	54.2	2.92	1.07	26-27	.0	.0	16	67	73	40	48	9.9	S	33	W	27	64	4.7	13	10	8	0	0	0	0	0	0	0	0	
APR	71.8	46.8	59.3	90	9	34	13	21.2	4.32	1.55	12-13	.0	.0	16	77	82	46	57	9.2	S	30	NW	3	56	6.3	7	8	15	12	0	3	1	1	0	0	0	0
MAY	81.1	57.6	69.4	92	7	42	15	4.4	2.44	.67	30-31	.0	.0	16	83	80	50	61	7.9	S	27	SW	13	65	6.9	2	15	14	7	0	7	1	7	0	0	0	0
JUN	86.2	63.3	74.8	100	29	50	18+	10	3.45	2.18	13	.0	.0	16	83	78	47	58	6.5	NW	23	NW	14	75	4.9	10	13	7	4	0	5	0	12	0	0	0	
JUL	86.1	69.7	77.9	93	1	60	8	0	12.85	4.58	1	.0	.0	16	92	90	66	78	6.8	S	27	N	1	51	7.7	3	7	21	17	0	15	2	8	0	0	0	0
AUG	88.6	69.4	79.0	96	22+	56	3+	0	5.75	1.60	7-8	.0	.0	16	90	90	61	81	6.2	S	31	NE	24	71	5.5	11	11	9	9	0	4	1	18	0	0	0	0
SEP	80.9	60.7	70.8	90	3+	43	20	36	3.30	2.17	30-1	.0	.0	16	92	92	59	82	6.4	SW	30	SE	30	64	6.0	8	6	16	6	0	4	5	3	0	0	0	0
OCT	70.8	51.9	61.4	90	5	33	28	21.7	3.25	1.37	14-15	.0	.0	16	86	89	59	81	7.5	SSW	35	SE	24	50	6.4	8	5	18	11	0	3	1	1	0	0	0	0
NOV	58.1	36.4	47.3	80	14+	21	30+	53.0	7.64	3.94	6-7	T	T	16	29	75	77	53	8.5	S	28	S	28	45	6.6	8	6	16	10	0	2	5	0	0	12	0	0
DEC	51.7	31.5	41.6	69	27	17	23	71.7	2.24	.97	18-19	1.2	1.2	16	19	70	76	49	7.6	SW	25	SW	7	55	6.3	7	9	15	7	1	0	0	1	20	0	0	
YEAR	69.7	48.3	59.0	100	JUN 29	8	JAN 18	3805	51.34	4.58	JUL 1	3.6	2.1	16	80	81	53	66	7.8	S	40	S	JAN 21	58	6.2	95	102	168	107	2	48	25	50	7	77	0	0

## NORMALS, MEANS, AND EXTREMES

Month	Temperature						Normal degree days	Precipitation						Relative humidity				Wind				Mean number of days																				
	Normal			Extremes				Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet			1:00 a.m., EST	7:00 a.m., EST	1:00 p.m., EST	7:00 p.m., EST	Mean hourly speed	Prevailing direction	Fastest mile			Pct. of possible sunshine	Mean sky cover sunrise to sunset	Sunrise to sunset			Temperatures										
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest									Year	Mean total	Maximum monthly							Year	Maximum in 24 hrs.	Year			Speed	Direction	Year	Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	0° and below
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest									Year																											
(a)	(b)	(b)	(b)	30		30	(b)	(b)	22	22	22	22	22	22	22	22	22	22	25	25	25	25	11	11	9	9	9	14	14	14	14	22	22	22	30	30	30	30	30			
J	48.1	28.4	38.3	80	1950	-12	1940	828	3.64	5.71	1952	1.08	1951	3.23	1940	4.3	28.5	1940	21.6	1940	79	82	58	71	8.2	S	40	S	1959	49	6.7	7	7	17	10	1	*	3	0	2	20	1
F	50.3	29.0	39.7	83	1932+	-10	1936	708	2.76	5.61	1944	1.09	1942	1.56	1953	2.2	11.0	1952	9.2	1947	75	80	53	64	8.4	SSW	45	SW	1951	53	6.1	9	6	13	9	1	*	6	0	1	18	*
M	59.2	35.8	47.5	93	1938	11	1943+	550	3.42	5.85	1944	1.33	1945	2.04	1942	1.9	13.5	1947	6.9	1947	75	78	49	60	9.0	W	42	SE	1952	56	6.2	8	9	14	11	*	2	*	9	0	0	
A	68.3	43.8	56.1	95	1930	26	1950+	271	3.23	5.32	1952	.74	1950	2.07	1952	.2	2.0	1940	2.0	1940	75	76	46	59	8.9	S	40	NW	1954	61	6.2	7	10	13	10	*	3	1	0	2	0	
M	77.7	53.9	65.8	100	1941	31	1956	66	3.64	7.73	1946	1.11	1942	2.30	1956	.0	.0	.0	.0	84	78	49	66	7.5	SSW	39	SW	1956	65	6.3	6	12	13	11	0	6	2	3	0	*	0	
J	85.4	63.1	74.3	104	1952	41	1938+	0	3.87	9.24	1938	.99	1950	2.85	1938	.0	.0	.0	.0	87	80	52	68	7.2	S	52	NW	1952	68	5.9	7	13	10	10	0	7	2	10	0	0		
J	87.8	67.2	77.5	104	1936+	51	1940	0	5.64	18.87	1945	1.30	1954	4.90	1945	.0	.0	.0	.0	89	84	55	73	6.9	SSW	56	NW	1955	69	6.0	8	11	12	12	0	10	2	14	0	0		
A	86.3	65.4	75.9	102	1953	46	1934	0	5.05	14.10	1955	.52	1943	8.79	1955	.0	.0	.0	.0	90	87	56	76	6.7	S	50	SE	1952	65	5.9	8	11	12	10	0	7	3	11	0	0		
S	80.9	59.7	70.3	103	1954	38	1942	33	3.65	8.49	1945	.69	1954	3.82	1955	.0	.0	.0	.0	89	88	55	79	7.1	S	45	SE	1952	65	5.7	9	8	13	8	0	9	4	9	0	0		
O	70.4	47.2	58.8	99	1941	23	1936+	210	2.61	6.74	1942	.35	1941	3.96	1957	T	T	1954	T	1954	87	89	53	77	7.3	NNE	68	SE	1954	59	5.4	12	7	12	8	0	1	4	1	0	2	0
N	59.6	37.2	48.4	86	1950	10	1933+	498	2.49	7.64	1959	.66	1941	4.07	1956	.6	7.3	1953	7.3	1953	81	54	51	71	7.5	S	35	S	1957	54	5.7	10	7	13	9	*	1	2	0	*	11	0
D	49.4	29.5	39.5	78	1956	-1	1942	791	2.89	6.88	1957	.86	1955	3.16	1958	1.8	12.5	1958	6.7	1958	79	82	55	72	7.6	SW	40	SE	1957	50	6.1	10	7	14	9	1	*	3	0	2	21	*
YR	68.6	46.7	57.7	104	1952+	-12	JAN 1940	3955	42.89	18.87	JUL 1945	.35	OCT 1941	8.79	AUG 1955	11.0	28.5	JAN 1940	21.6	JAN 1940	83	82	53	70	7.7	S	68	SE	OCT 1954	60	6.0	101	108	156	117	3	40	31	45	5	83	1

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at prior locations as follows: Highest temperature 107 in August 1918; minimum monthly precipitation 0.11 in November 1890 and earlier date(s).

### 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.
- T Trace, an amount too small to measure.

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 1930. 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 degrees 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 obscuring phenomena 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. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948.

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

Heavy fog in the Means and Extremes Table also 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, 1930. Total Precipitation Table, 1938

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An. l.
1930	38.7	43.6	45.2	54.0	67.5	71.1	78.1	73.8	75.3	54.3	46.2	35.5	56.9
1931	38.3	40.4	41.3	53.4	64.4	72.6	77.8	73.8	73.4	59.8	54.2	41.2	57.6
1932	48.1	46.4	44.3	54.3	63.6	73.8	77.8	76.9	70.0	59.0	48.8	41.2	58.4
1933	44.3	40.3	45.6	56.0	69.1	74.4	75.2	75.7	71.2	57.1	45.0	41.8	58.0
1934	42.6	28.2	42.8	56.3	66.2	76.6	79.7	74.9	71.3	56.3	49.5	38.4	56.9
1935	34.5	38.7	51.9	53.5	62.9	73.6	77.2	75.3	67.6	58.3	51.5	31.6	56.4
1936	31.4	33.7	51.2	53.1	66.5	73.7	79.7	76.5	71.6	59.8	46.3	40.1	57.0
1937	46.0	38.3	43.3	55.3	65.8	76.0	76.8	77.2	66.0	55.0	46.2	38.4	57.0
1938	37.2	43.1	53.6	59.9	64.9	71.6	76.8	78.3	68.4	57.7	49.9	40.3	58.5
1939	41.6	44.8	48.8	56.0	66.9	76.4	75.7	77.1	71.8	59.0	44.8	39.8	58.6
1940	24.2	38.2	43.3	52.4	65.0	74.7	76.0	73.6	66.2	55.8	47.4	42.5	54.9
1941	35.2	34.2	40.8	59.8	66.8	73.0	78.3	75.8	72.2	64.7	48.7	41.9	57.6
1942	34.2	35.2	48.0	58.8	69.5	75.2	79.4	75.2	71.3	60.8	50.0	37.1	57.9
1943	40.0	41.5	47.0	53.9	69.0	79.2	78.5	78.4	68.4	57.3	47.5	38.6	58.3
1944	38.6	40.4	45.2	56.2	71.6	78.4	77.7	75.4	71.2	57.9	48.2	36.1	57.9
1945	34.2	40.8	58.6	61.4	63.9	75.7	76.2	75.2	73.8	57.8	49.6	33.4	58.4
1946	38.0	41.7	52.8	57.2	65.8	72.8	75.4	72.8	70.0	60.9	52.9	43.4	58.8
1947	44.6	33.5	40.0	57.5	67.0	73.2	74.8	78.5	70.1	63.7	46.4	38.4	57.2
1948	31.1	39.8	50.8	57.7	68.3	74.4	78.2	75.7	68.6	56.2	52.9	42.0	57.8
1949	45.2	46.5	48.6	55.7	66.0	75.2	80.1	78.6	67.4	62.5	49.0	42.4	59.6
1950	49.7	40.7	44.4	54.7	65.0	74.2	76.8	75.5	68.2	61.2	47.3	38.1	57.8
1951	40.8	41.3	46.8	56.6	64.8	74.3	78.6	76.0	70.0	61.6	44.7	42.0	58.1
1952	42.4	42.2	46.3	58.1	65.4	77.6	80.4	76.4	69.2	55.2	49.4	39.2	58.5
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
1955	35.8	40.1	50.2	60.8	67.2	70.1	81.3	78.7	70.6	59.5	46.4	34.8	58.0
1956	36.0	43.0	46.3	55.5	65.0	74.7	77.8	76.5	67.9	60.9	47.8	48.9	58.3
1957	35.2	43.3	47.2	61.5	67.8	76.2	78.4	74.6	71.9	54.6	50.3	43.0	58.7
1958	34.6	33.8	42.3	57.5	65.7	71.3	80.2	76.4	69.1	58.7	51.2	33.4	56.2
1959	37.5	41.6	47.3	59.3	69.4	74.8	77.9	79.0	70.8	61.4	47.3	41.6	59.0
RECORD MEAN TEMP	38.7	40.1	47.0	56.9	66.5	74.4	78.0	76.1	70.3	59.0	48.4	39.6	57.9
MAX	48.4	50.9	58.4	69.1	78.3	85.5	88.3	86.1	81.0	70.7	59.7	49.7	68.8
MIN	28.9	29.3	35.6	44.6	54.6	63.3	67.7	66.1	59.5	47.3	37.0	29.5	47.0

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1938	3.28	1.82	3.72	3.24	4.92	9.24	11.89	0.95	4.41	1.57	2.74	2.74	50.52
1939	3.40	3.98	5.33	3.04	1.39	5.41	5.23	8.34	1.70	4.84	2.18	1.51	48.35
1940	4.16	2.99	2.31	4.22	4.28	4.02	4.43	9.33	1.77	2.27	4.59	1.83	46.20
1941	2.19	1.17	1.97	3.44	1.31	1.83	2.82	3.05	1.29	0.35	0.66	2.89	22.91
1942	2.59	1.03	5.31	0.78	1.11	5.30	3.52	6.61	3.71	6.74	1.31	3.04	42.05
1943	2.87	2.27	3.01	2.11	4.04	3.15	3.87	0.52	5.13	2.90	1.44	1.98	33.29
1944	2.83	5.61	5.85	3.59	1.41	1.42	7.76	6.44	5.50	1.79	3.94	2.26	48.40
1945	2.25	3.57	1.33	3.50	5.09	1.71	18.87	2.92	8.49	0.91	3.09	5.28	57.01
1946	2.16	2.69	2.23	2.59	7.73	6.01	6.64	3.87	4.39	2.36	1.90	2.71	45.28
1947	4.31	1.43	2.22	2.53	4.69	4.48	3.33	1.87	6.38	2.37	7.03	1.56	42.20
1948	4.11	2.66	5.54	4.59	6.42	2.73	4.05	7.75	3.05	3.21	5.74	4.14	53.98
1949	3.26	2.55	2.12	2.22	5.11	3.53	6.34	8.99	2.64	3.87	1.88	1.94	44.45
1950	2.17	1.71	3.20	0.74	4.27	0.99	6.69	3.32	4.04	1.77	1.74	2.73	33.37
1951	1.08	1.90	2.85	2.28	2.51	5.85	2.63	5.23	0.98	2.71	4.52	3.63	36.15
1952	5.71	2.76	5.05	5.32	3.72	4.50	2.71	6.41	2.35	2.04	6.42	3.37	50.38
1953	4.47	3.36	3.95	3.16	2.35	3.08	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
1955	1.09	3.18	2.66	3.14	1.79	3.06	7.93	14.10	5.79	2.57	1.76	0.86	47.93
1956	1.65	3.57	3.06	2.75	4.35	3.28	10.32	2.28	2.96	4.92	6.11	3.98	49.23
1957	3.36	5.29	2.82	2.25	2.75	3.92	1.80	7.46	3.43	9.35	5.30	6.88	50.61
1958	2.96	4.38	3.81	4.35	5.79	6.09	3.27	9.77	1.90	5.35	1.43	4.43	53.53
1959	1.31	1.87	2.92	4.32	2.44	3.45	12.85	5.75	3.30	3.25	7.64	2.24	51.34
RECORD MEAN	3.00	2.79	3.35	3.06	3.72	3.82	5.92	5.45	3.67	3.10	3.42	2.97	44.27

MONTHLY AND SEASONAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0	1	5	345	557	906	825	684	718	336	84	13	4474
1931-32	0	4	25	194	328	575	495	580	662	319	111	1	3295
1932-33	0	0	31	209	568	711	637	684	601	265	54	21	3761
1933-34	1	0	1	249	569	712	715	1024	681	295	74	0	4292
1934-35	0	9	3	282	443	817	920	734	403	396	105	0	4052
1935-36	0	0	40	223	413	1034	1038	933	422	372	60	13	4548
1936-37	0	0	17	199	564	748	590	742	668	283	78	1	3890
1937-38	0	0	75	321	556	820	876	822	379	204	91	11	3955
1938-39	0	0	38	228	462	778	724	551	527	288	120	0	3716
1939-40	3	0	5	250	610	785	1265	777	673	380	91	3	4842
1940-41	2	0	74	286	474	475	824	862	595	224	92	13	4021
1941-42	0	3	13	152	510	691	995	854	528	222	13	0	3982
1942-43	0	2	52	104	459	849	753	652	578	356	63	0	3868
1943-44	0	0	37	251	532	808	819	710	639	280	17	0	4113
1944-45	0	2	21	238	476	873	950	670	253	182	125	27	3795
1945-46	0	0	3	229	456	886	849	643	350	257	78	11	3860
1946-47	0	5	21	161	370	669	633	860	770	249	94	10	3862
1947-48	0	0	81	98	558	822	1049	733	469	290	48	3	4111
1948-49	0	0	28	279	373	712	615	515	525	295	67	3	3412
1949-50	0	0	52	134	478	700	483	678	631	327	85	2	3568
1950-51	0	0	80	139	538	866	739	680	359	267	76	0	3923
1951-52	0	0	22	163	698	710	682	855	579	293	58	0	3718
1952-53	0	1	19	318	480	792	680	598	509	234	7	8	3615
1953-54	0	0	26	152	488	691	829	556	553	183	151	1	3632
1954-55	0	0	5	220	561	826	898	690	450	155	67	12	3884
1955-56	0	0	9	188	555	928	895	631	578	323	107	10	4223
1956-57	0	3	75	146	519	493	915	800	546	201	83	5	3586
1957-58	0	0	50	317	434	674	936	871	696	254	70	6	4308
1958-59	0	0	24	212	409	973	847	650	542	212	44	10	3923
1959-60	0	0	36	217	530	717							

MONTHLY AND SEASONAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1937-38	0	0	0	0	T	0.6	1.5	0	0	0	0	0	2.1
1938-39	0	0	0	0	4.4	0	0.6	0	0	0	0	0	5.0
1939-40	0	0	0	0	0	2.9	28.5	0.3	0.5	2.0	0	0	34.2
1940-41	0	0	0	0	0	0	0.4	3.6	5.2	0	0	0	9.2
1941-42	0	0	0	0	0	0	5.5	0	0	0	0	0	5.5
1942-43	0	0	0	0	0	8.0	T	0	4.6	0	0	0	10.6
1943-44	0	0	0	0	0.5	1.4	2.5	1.6	0	0	0	0	6.0
1944-45	0	0	0	0</									

# STATION LOCATION

RICHMOND, VIRGINIA  
BYRD FIELD  
1959

Location	Occupied from	Occupied to	Altitude distance and direction from previous location	Latitude	Longitude	Elevation above								REMARKS		
						Sea level		Ground								
						Ground	Actual barometer elevation (H <sub>1</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		89		89			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 Pibals, 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.																