U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA (Chimborazo Park) — JANUARY 1953

Latitude 37° 32′ N. Longitude 77° 25′ W. Elevation (ground) 162 ft. Eastern Standard time used

Date	Temperature (°F) Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Precipitation Total (Water equivalent) (In.)	Snow, Sleet, Hail (In.)	Snow, Sleet, Hail or Ice on ground at 5:00 P.M. (In.)	Wind Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Sunshine Total (hours and minutes)	Percent of possible	Sky cover Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Thunderstorm or distant lightning	Weather restricting visibility to ¼ mile or less	24-Hrs. Ending 5 PM Maximum Temperature	Minimum Temperature	Total Precipitation	James River Stage at 8 A M	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	50	35	43	+3	22	T	0	0											50.2	34.8	0.03	1.4	1
2	52	31	42	+2	23	0.17	0	0											52.4	30.8	T	1.5	2
3	44	35	40	0	25	0.08	0	0											43.2	34.5	0.25	1.5	3
4	42	30	36	-4	29	T	T	0											43.7	31.3	T	1.5	4
5	40	23	32	-8	33	0	0	0											40.0	22.9	T	1.4	5
6	44	29	37	-3	28	T	T	0											43.8	28.6	T	1.5	6
7	53	37	45	+5	20	T	0	0											53.2	39.0	T	1.5	7
8	38	34	36	-4	29	0.26	0	0											42.4	33.5	0.03	1.5	8
9	42	36	39	-1	26	0.60	0	0											41.7	36.0	0.66	1.3	9
10	41	37	39	-1	26	0.36	0	0											41.4	37.0	0.53	1.5	10
11	44	35	40	0	25	0.25	0	0											44.4	38.2	0.10	2.8	11
12	46	29	38	-2	27	0.04	0	0											46.0	34.0	0.19	2.8	12
13	58	29	44	+4	21	0.00	0	0											57.7	28.9	0.00	2.5	13
14	64	36	50	+10	15	0.00	0	0											64.1	36.0	0.00	2.0	14
15	68	43	56	+16	9	0.00	0	0											67.6	43.2	0.00	1.6	15
16	73	48	61	+21	4	0.00	0	0											73.3	50.9	0.00	1.5	16
17	48	36	42	+2	23	0.00	0	0											70.6	34.5	0.00	1.4	17
18	64	42	53	+13	12	0.11	0	0											63.9	41.3	0.11	1.4	18
19	66	37	52	+12	13	0.00	0	0											66.0	36.7	0.00	1.3	19
20	60	39	50	+10	15	0.00	0	0											63.4	38.9	0.00	1.4	20
21	46	40	43	+3	22	0.35	0	0											57.3	41.8	0.33	1.5	21
22	55	36	46	+6	19	0.00	0	0											55.3	35.6	0.02	1.5	22
23	62	37	50	+10	15	0.00	0	0											62.1	36.7	0.00	1.8	23
24	65	43	54	+14	11	2.00	0	0											65.2	55.0	1.99	1.9	24
25	45	31	38	-2	27	T	0	0											57.9	37.1	0.01	2.6	25
26	45	30	38	-2	27	0.00	0	0											45.4	29.6	0.00	2.6	26
27	51	30	41	+1	24	0.00	0	0											50.9	29.8	0.00	2.4	27
28	59	39	49	+9	16	0.12	0	0											59.4	46.0	0.12	1.9	28
29	50	28	39	-1	26	0.00	0	0											53.7	28.0	0.00	1.8	29
30	52	27	40	0	25	0.00	0	0											52.2	49.2	0.00	1.7	30
31	55	40	48	+8	17	T	0	0											55.3	39.8	T	1.5	31
Sum	1622	1081	—	—	—	4.34	T	—	—		—	—		—			—	—	1683.7	1139.6	4.37	54.5	Sum
Avg.	52.3	34.9	—	—	—	—	—	—	—		Fastest	Dir.	Possible	%			—	—	54.3	36.8	----	1.8	Avg.
										Misc.					—	—	—	—					Misc.

T in columns 7, 8, and 9 indicates amount too small to measure.

TEMPERATURE: (°F)

Average monthly		43.6
Departure from normal		+4.0
Highest	73 on	16
Lowest	23 on	5
Number of days with —		
Max. 32° or below		0
Max. 90° or above		0
Min. 32° or below		11
Min. 0° or below		0

HEATING DEGREE DAYS (base 65°):

Total this month	654
Departure from normal	-160
Seasonal total (since July 1)	2124
Seasonal departure from normal	-180

BAROMETRIC PRESSURE (In.)

Avg. station (elev.		feet, m.s.l.)	-
Highest sea level	-	on	-
Lowest sea level	-	on	-

PRECIPITATION: (In.)

Total for the month			4.34
Departure from normal			+.71
Greatest in 24 hours	2.00	on	24
Snow, Sleet and Hail —			
Total for the month			T
Greatest in 24 hours	T	on	4 & 6
Greatest depth on ground	T	on	4 & 6
Dates of — Hail			-
Sleet - Glaze			-

Symbols used in columns 18-19

A = Hail
BS = Blowing snow
DL = Distant lightning
D = Dust
E = Sleet
F = Fog
H = Haze
K = Smoke
L = Drizzle
N = Sand
R = Rain
S = Snow
T = Thunderstorm
ZL = Freezing drizzle
ZR = Freezing rain

The maximum temperature of 73° on the 16th was the highest of record for that date.

EXCESSIVE PRECIPITATION

Period, minutes	5	10	15	20	30	45	60	80	100	120	150	180
January 24 amounts	.28	.40	.43	.44	.48	.54	.55	.57	.72	.80	1.12	1.30

The excessive amounts for all 12 periods are entered whenever the amount for one or more periods equals or exceeds the rate of .01 inch per minute plus .20 inch

HOURLY PRECIPITATION

Date	A. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1	T	T	T	T	T												T		T	T	0.05	T	0.08	0.04	1
2													T	0.01	0.01	0.01	0.01				T				2
3	0.03	0.01																							3
4			T	T	T	T		T	T	T	T	T	T	T	T		T	T	T						4
5																									5
6																T	T								6
7			T										T												7
8		T	T	T	T	T	T	T	T	T	0.02	0.01						T	T	T	0.02	0.07	0.06	0.08	8
9	0.02	0.02	T	0.01	0.06	0.03	0.01	0.01	0.02	0.21	0.02	0.01	T	T	T	0.01	T	T	0.14	T	T	T	0.01	0.02	9
10	T	T	T	0.01	0.32	0.01	T	0.01	T	T	0.01	T	T	T	T						T	T	T	T	10
11	T												T	T	0.03	0.02	0.05	0.05	T	0.02	0.03	0.01	0.02	0.02	11
12	0.01	0.03	T																						12
13																									13
14																									14
15																									15
16																									16
17																									17
18					0.01	0.03	0.03	0.04	T				T												18
19																									19
20																									20
21							T	0.11	0.02	0.02	0.05	0.01	0.01	T	0.09	0.01	0.01	0.01	0.01	T	T				21
22																									22
23																									23
24			T	0.04	0.13	0.34	0.29	0.47	0.18	0.54	T											T	0.01	T	24
25	T																								25
26																									26
27																									27
28						T		T	T	T	T	0.01	0.08	0.03											28
29																									29
30																									30
31										T															31

Effective January 1, 1953 the temperature and precipitation normals used for these reports are derived from the period 1921-1950.

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WRPC, Chattanooga, Tenn. --- 2/4/53 --- 250-D

U.S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VA., (Byrd Field) JANUARY 1953

Latitude 37 ° 30 ′ N. Longitude 77 ° 20 ′ W. Eastern Standard time used

Date	Temperature (°F) Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Precipitation Total (Water equivalent) (In.)	Snow, Sleet, Hail (In.)	Snow, Sleet, Hail or Ice on ground at 7:30 AM (In.)	Wind Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Sunshine Total (hours and minutes)	Percent of possible	Sky cover Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Thunderstorm or distant lightning	Weather restricting visibility to ¼ mile or less	20	21	22	23	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	49	32	41	+ 3	24	.01	0	0	NNW	7.3	16	NW	9:12	96	0	3							1
2	51	31	41	+ 3	24	.16	0	0	S	8.0	15	S	6:50	71	7	6							2
3	43	36	40	+ 2	25	.13	0	0	WSW	4.8	8	SW	0:00	0	10	10		F					3
4	40	28	34	- 4	31	.03	T	0	W	5.6	8	NW	0:21	4	10	9							4
5	40	23	32	- 6	33	T	T	0	WSW	6.2	10	SW	4:15	44	6	7							5
6	44	25	35	- 3	30	T	T	0	SW	6.6	14	SW	4:29	46	9	5							6
7	53	37	45	+ 7	20	T	0	0	NE	11.0	17	NE	0:05	1	10	9							7
8	38	34	36	- 2	29	.33	0	0	N	5.6	11	N	0:00	0	10	10		F,L,R					8
9	42	36	39	+ 1	26	.42	0	0	N	9.1	24	NE	0:00	0	10	10							9
10	42	37	40	+ 2	25	.70	0	0	NW	6.8	15	NE	0:00	0	10	10		F,L					10
11	45	36	41	+ 2	24	.28	T	0	WSW	6.1	13	NW	0:00	0	10	10		F					11
12	45	27	36	- 3	29	.10	T	0	WNW	9.9	26	NW	9:32	97	0	2							12
13	58	27	43	+ 4	22	0	0	0	SSW	10.0	17	SW	8:26	86	8	4							13
14	64	31	48	+ 9	17	0	0	0	SW	6.5	12	SW	7:27	76	6	6							14
15	68	44	56	+17	9	0	0	0	SSW	8.8	19	SW	9:32	97	1	5							15
16	73	47	60	+21	5	0	0	0	SW	10.3	22	SW	7:58	81	3	4							16
17	47	34	41	+ 2	24	0	0	0	NNE	9.8	17	NE	0:53	9	9	7							17
18	63	43	53	+14	12	.18	0	0	WSW	6.2	17	SW	0:00	0	10	10							18
19	66	34	50	+11	15	0	0	0	S	5.0	8	S	9:39	97	5	3							19
20	60	37	49	+10	16	0	0	0	NE	5.3	11	NE	3:19	33	9	9							20
21	47	40	44	+ 5	21	.33	0	0	NW	12.8	23	NW	0:00	0	10	10							21
22	55	31	43	+ 5	22	0	0	0	SW	5.5	11	NW	10:02	100	0	0							22
23	62	37	50	+12	15	T	0	0	SE	9.6	17	SE	4:36	46	8	7		F					23
24	66	43	55	+17	10	1.70	0	0	SW	16.2	32	SW	5:49	58	7	9	T						24
25	45	29	37	- 1	28	T	0	0	WSW	11.5	22	W	4:38	46	5	5							25
26	45	27	36	- 2	29	0	0	0	W	6.9	15	W	10:09	100	3	2							26
27	52	28	40	+ 1	25	0	0	0	SE	6.7	14	SE	0:00	0	10	9							27
28	59	37	48	+ 9	17	.10	0	0	W	11.0	22	SW	1:20	13	10	7							28
29	48	25	37	- 2	28	0	0	0	WSW	9.1	23	SW	8:31	83	3	3							29
30	53	23	38	- 1	27	0	0	0	S	7.8	18	SW	9:47	95	3	4							30
31	55	39	47	+ 8	18	T	0	0	S	5.9	12	SE	0:57	9	9	8							31
Sum	1618	1038	—	—	—	4.47	T	—	—	251.9	—	—	137:47	—	211	203	—	—					Sum
Avg.	52.2	33.5	—	—	—	—	—	—	—	8.1	Fastest	Dir.	Possible	%	6.8	6.5	—	—					Avg.
										Misc.	32	SW	307:03	45	—	—	—	—					Misc.

T in columns 7, 8, and 9 indicates amount too small to measure.

TEMPERATURE: (°F)
Average monthly 42.9
Departure from normal + 4.6
Highest 73 on 16th
Lowest 23 on 5th#
Number of days with —
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 14
Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
Total this month 680
Departure from normal -
Seasonal total (since July 1) 2268
Seasonal departure from normal -

BAROMETRIC PRESSURE (In.)
Avg. station (elev. 164 feet, m.s.l.) 29.843
Highest sea level 30.54 on 17th
Lowest sea level 29.32 on 24th

PRECIPITATION: (In.)
Total for the month 4.47
Departure from normal +0.83
Greatest in 24 hours 1.70 on 24th
Snow, Sleet and Hail —
Total for the month T
Greatest in 24 hours T on 4th¢
Greatest depth on ground 0 1/ on
Dates of — Hail 0
Sleet 4th Glaze 0
1/ Melted as it fell

Symbols used in columns 18-19

A = Hail
BS = Blowing snow
DL = Distant lightning
D = Dust
E = Sleet
F = Fog
H = Haze
K = Smoke
L = Drizzle
N = Sand
R = Rain
S = Snow
T = Thunderstorm
ZL = Freezing drizzle
ZR = Freezing rain

Errata December 1952 sum of Max. Temp. should be 1505, Average Max. Temp. 48.5, Average Monthly Temp. 39.2, Departure from Normal +1.4
Also on 30th
¢ Also on 5,6,11,12

HOURLY PRECIPITATION

Date	A. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1	T	T	.01	T	T	T																			1
2																	T			T	.02	.03	.04	.07	2
3	.07	.05											T	T	.01	T					T				3
4			T	T	T	T		T	T	.01	.01	.01	T	T	T		T	T	T						4
5																				T	T				5
6																T	T						T		6
7			T																						7
8		T	T	T	T	T	T	T	T	T	.03	T	T	T				T	T	T	.02	.17	.03	.08	8
9	.02	.05	.01	.03	.06	.02	.01	.03	.01	.05	.01	.01	T	T	T	T	T	T	.07	.02	T	.01	T	.01	9
10	T	T	.01	.01	.51	.15	.02	T			T	T	T	T	T						T	T	T	T	10
11	T												T	T	.03	.02	.04	.06	.02	.02	.02	.04	.01	.03	11
12	.02	.04	.04																						12
13																									13
14																									14
15																									15
16																									16
17																									17
18					.01	.04	.10	.02	.01				T	T											18
19																									19
20																									20
21							.02	.10	.01	.02	.02	.01	T	.01	.11	.01	T	T	.01	.01	T				21
22																									22
23							T																		23
24			T	.04	.13	.32	.31	.53	.01	.29												.06	.01	T	24
25																									25
26																									26
27																									27
28							T	T	T	T	T	T	.06	.04											28
29										T				T											29
30																									30
31																									31