U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA
BYRD FIELD
JANUARY 1962

Latitude 37° 30′ N. Longitude 77° 20′ 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 (In.)	Snow, Sleet, or Ice on ground at (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	Cooling Degree Days (Base 60°)	James River Stage at City Locks** Stage in feet 8 AM	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	35	29	32	- 6	33	.57	4.9	T	NE	8.7	17	NE	0:00	0	10	10			0	-0.7			1
2	33	17	25	-13	40	T	T	4	N	5.7	9	N	8:49	91	4	4		F	0	-0.1			2
3	45	13	29	- 9	36	0	0	3	SW	9.4	19	SW	3:38	38	8	5			0	0.0			3
4	66	38	52	+14	13	0	0	1	WSW	7.7	10	SW	7:30	78	5	4			0	-0.1			4
5	53	38	46	+ 8	19	T	0	0	NE	7.0	10	E	1:28	15	10	9			0	-0.8			5
6	65	42	54	+16	11	3.31	0	0	SSE	9.3	19	SW	0:00	0	10	10			0	1.0			6
7	55	42	49	+11	16	T	0	0	SW	13.8	21	SW	8:31	88	3	4			0	4.0			7
8	50	35	43	+ 5	22	T	0	0	SW	13.0	23	W	1:24	14	9	7			0	6.0			8
9	39	28	34	- 4	31	.02	.2	0	SW	8.9	12	W	0:11	2	10	7			0	5.2			9
10	31	7	19	-19	46	.43	7.1	4	NNE	10.2	13	NE	1:17	13	8	6			0	4.4			10
11	24	4	14	-25	51	0	0	5	N	6.6	9	N	7:05	72	7	5			0	2.9			11
12	28	16	22	-17	43	0	0	2	NE	5.3	8	N	0:08	1	10	10			0	2.6			12
13	40	10	25	-14	40	0	0	2	N	2.5	6	N	9:49	100	0	0			0	1.6			13
14	45	13	29	-10	36	0	0	1	SSE	3.9	7	SE	6:00	61	5	5			0	0.1			14
15	61	37	49	+10	16	.41	0	T	WSW	9.9	30	SW	2:34	26	7	6	T	F	0	0.5			15
16	47	28	38	- 1	27	0	0	0	NNE	5.9	19	N	9:53	100	1	1			0	-0.3			16
17	47	23	35	- 4	30	0	0	0	W	6.3	15	NW	9:55	100	0	0			0	0.2			17
18	36	28	32	- 7	33	0	0	0	ENE	6.7	8	SE	0:00	0	10	9			0	0.3			18
19	37	30	34	- 5	31	.07	.7	0	NE	8.8	11	NE	0:00	0	10	10			0	0.6			19
20	46	29	38	- 1	27	T	T	T	NNW	5.8	8	N	7:38	76	3	4			0	0.6			20
21	48	25	37	- 2	28	T	0	0	SSW	5.5	15	SW	2:54	29	9	9			0	1.0			21
22	60	39	50	+12	15	.13	0	0	SW	11.8	19	SW	0:00	0	10	10			0	1.2			22
23	61	29	45	+ 7	20	.01	0	0	N	8.7	15	NW	5:47	58	8	7			0	1.0			23
24	44	27	36	- 2	29	T	0	0	SSW	5.8	13	SW	0:17	3	10	7			0	1.7			24
25	70	34	52	+14	13	0	0	0	SW	6.8	13	NW	4:56	49	8	7			0	1.8			25
26	55	50	53	+15	12	.04	0	0	SSW	4.9	10	S	0:00	0	10	10		F,L,R	0	2.1			26
27	58	41	50	+11	15	.19	0	0	NE	7.6	16	NE	0:00	0	10	10			0	1.9			27
28	41	17	29	-10	36	.77	7.7	T	NE	9.4	22	NE	0:00	0	10	9		F,S	0	2.3			28
29	37	14	26	-13	39	T	T	7	S	5.8	12	SW	4:55	48	8	7			0	1.9			29
30	52	28	40	+ 1	25	T	T	3	SW	9.7	25	NE	1:08	11	10	8			0	0.1			30
31	32	13	23	-16	42	0	0	T	SSW	8.9	24	N	8:20	81	3	3			0	0.0			31
Sum	1441	824	—	—	—	5.95	20.6	—	—	240.3	—	—	114:07	—	226	203	—	—	0	43.1			Sum
Avg	46.5	26.6	—	—	—	—	—	—	—	7.8	Fastest	Dir.	Possible	%	7.3	6.5	—	—	-	1.4			Avg.
										Misc.	30	SW	307:19	37	—	—	—	—	--	--			Misc.

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly		36.6
Departure from normal		- 2.1
Highest	70 on	25th
Lowest	4 on	11th
Number of days with —		
Max. 32° or below		4
Max. 90° or above		0
Min. 32° or below		21
Min. 0° or below		0

HEATING DEGREE DAYS (base 65°):

Total this month	875
Departure from normal	+ 47
Seasonal total (since July 1)	2439
Seasonal departure from normal	+ 79

BAROMETRIC PRESSURE (In.)

Avg. station (elev.	164	*feet, m. s. l.)	29.989
Highest sea level	30.71	on	14th
Lowest sea level	29.44	on	6th

PRECIPITATION: (In.)

Total for the month		5.95	
Departure from normal		+ 2.49	
Greatest in 24 hours	3.31	on	6th
Snow, Sleet—			
Total for the month		20.6	
Greatest in 24 hours	7.7	on	28th
Greatest depth on ground		7 on	29th
Dates of — Hail		0	
Sleet 1, 27	Glaze /RIME	0	

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

*When this elevation differs from the present station elevation this level was selected to permit comparison of data for a longer period of homogeneous record.

** Zero of City Locks gage at 0 feet MSL

Greatest 24 hour precipitation of record for January on 6th, third greatest precipitation for January and third greatest snowfall for any month. Unusually wide temperature variations from day to day.

EXCESSIVE PRECIPITATION

Period:	Minutes	5	10	15	20	30	45	60	80	100	120	150	180
January 6th	Amounts	.29	.43	.48	.53	.65	.85	.90	.95	1.00	1.08	1.16	1.20
January 15th		.28	.30	.32	.34	.37	.41	.41	.41	.41	.41	.41	.41

HOURLY PRECIPITATION (In.)

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	.01	.02	.01	T	.03	.04	.20	.05	.02	.02	.09	.05	.01	.01	.01	1
2	T	T																							2
3																									3
4																									4
5																							T	T	5
6	T	T	T		.01	.05	.10	.40	.49	.32	.09	.07	.01	.14	.25	.13	.46	.56	.18	.02	.01	.01	.01		6
7	T																								7
8																		T	T						8
9																							T	.02	9
10	.02	.05	.04	.04	.04	.05	.06	.04	.02	.02	.02	.02	.01	T											10
11																									11
12																									12
13																									13
14																									14
15							T					T	.29	.12	T										15
16																									16
17																									17
18																									18
19														T	T	T	.01	.01	T	.01	.01	.01	.01	.01	19
20	T	T	T																						20
21																	T	T							21
22						T	T					T	.01	.06	.01	.03	.01	.01	T		T	T			22
23			T		T	.01	T																		23
24																T	T								24
25																									25
26		T	T	.01	T	.01	T	T	T	T	T	T	.01	T	.01	T	T	T	T						26
27					T	.01	.01	.05	.03	.06	.02	.01			T		T	T	T	T	T	T			27
28					T	.01	.03	.04	.04	.06	.06	.14	.07	.07	.08	.10	.07	T	T						28
29									T																29
30																			T		T	T			30
31																									31

Known errors found in this issue will be published in later issues.

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