

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA (Byrd Field)

DECEMBER 1958

Latitude $37^{\circ} 30' N.$ Longitude $77^{\circ} 20' W.$ Elevation (ground) 162 ft. EASTERN Standard time used

Date	Temperature (°F)					Precipitation		Snow, Sleet, or Ice on ground at 7:00AM (In.)	Prevailing direction	Wind			Sunshine		Sky cover			Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	STAGE James River 8:00AM (feet)	Date
	Maximum	Minimum	Average	Departure from normal	Degree days (base 65°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)			Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Total (hours and minutes)	Percent of possible	Sunrise to sunset (tenths)	Midnight to midnight (tenths)					
1	48	18	33	-10	32	0	0	0	SSW	9.1	18	SW	5:16	54	8	3				1	
2	48	25	37	-6	28	0	0	0	NNW	6.8	12	NE	6:05	62	7	6				2	
3	49	37	43	0	22	.06	0	0	ENE	5.4	11	SW	0:00	0	10	10				3	
4	57	41	49	+7	16	.18	0	0	SSW	7.0	12	NW	3:12	33	9	7		F		4	
5	64	41	53	+11	12	0	0	0	WNW	9.5	26	S	3:41	38	8	6				5	
6	44	24	34	-7	31	0	0	0	WSW	8.1	17	W	9:40	100	0	0				6	
7	36	17	27	-14	38	0	0	0	NW	4.1	9	W	9:11	95	8	4				7	
8	39	20	30	-11	35	0	0	0	SE	4.8	11	SE	1:32	16	10	7				8	
9	40	26	33	-7	32	0	0	0	NNE	6.4	8	N	4:18	45	7	4				9	
10	34	18	26	-14	39	0	0	0	NNW	7.5	14	NE	7:51	81	4	5				10	
11	22	17	20	-20	45	.44	6.7	0	NNW	11.2	17	NW	0:00	0	10	10				11	
12	34	6	20	-20	42	T	T	7	NW	5.3	11	NW	9:36	100	3	2				12	
13	36	10	23	-16	45	0	0	4	N	4.4	11	N	7:16	76	5	5				13	
14	27	14	21	-18	44	.45	5.8	3	NW	4.1	8	NE	0:00	0	10	8				14	
15	29	4	17	-22	48	0	0	9	NW	4.6	13	NW	4:24	46	8	6		F		15	
16	38	1	20	-19	45	0	0	6	WSW	5.5	11	W	9:35	100	0	0				16	
17	52	14	33	-6	32	0	0	5	SSW	9.4	15	SW	8:16	86	1	2				17	
18	43	24	34	-5	31	0	0	2	NNE	4.7	9	NE	9:15	97	1	1				18	
19	55	20	38	-1	27	0	0	1	S	9.4	14	SW	9:30	99	3	1				19	
20	43	23	33	-6	32	0	0	T	NNE	8.1	19	N	0:00	0	10	7				20	
21	33	15	24	-15	41	0	0	0	E	4.1	9	SE	3:47	40	8	5				21	
22	45	22	34	-5	31	0	0	T	S	8.0	14	S	7:07	74	5	4				22	
23	65	36	51	+12	14	T	T	0	SW	10.2	17	SW	2:51	30	10	8				23	
24	53	34	44	+5	21	.02	0	0	NNW	6.7	17	N	0:00	0	10	10				24	
25	37	24	31	-8	34	0	0	0	NW	8.7	17	W	7:09	75	4	1				25	
26	37	16	27	-11	38	0	0	0	NW	4.7	9	NE	9:14	96	3	1				26	
27	50	16	33	-5	32	0	0	0	S	5.5	9	SE	9:34	100	2	4				27	
28	49	37	43	+5	22	.82	0	0	NNE	13.0	29	NE	0:00	0	10	10				28	
29	50	42	46	+8	19	2.46	0	0	NE	16.0	33	NE	0:00	0	10	10				29	
30	60	40	50	+12	15	T	0	0	NNW	10.7	17	NW	5:30	57	3	4				30	
31	40	29	35	-3	30	0	0	0	NNE	7.5	15	NE	1:14	13	10	7				31	
Sum	1357	711				4.43	12.5			230.5			155:04		197	158			40.2	Sum	
Avg	43.8	22.9								7.4	33		298:03	52	6.4	5.1			1.3	Avg	

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

TEMPERATURE: (°F)
 Average monthly 33.4
 Departure from normal -6.1
 Highest 65 on 23rd
 Lowest 1 on 16th
 Number of days with -
 Max. 32° or below 3
 Max. 90° or above 0
 Min. 32° or below 23
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 973
 Departure from normal +182
 Seasonal total (since July 1) 1618
 Seasonal departure from normal +86

BAROMETRIC PRESSURE (In.)
 Avg. station (elev. 164 feet, m. s. l.) 30.12
 Highest sea level 30.64 on 26th
 Lowest sea level 29.58 on 5th

PRECIPITATION: (In.)
 Total for the month 4.43
 Departure from normal +1.54
 Greatest in 24 hours 3.16 on 28-29th
 Snow, Sleet -
 Total for the month 12.5
 Greatest in 24 hours 6.7 on 11th
 Greatest depth on ground 9 on 14-15
 Dates of - Hail none
 Sleet none Glaze none

Symbols used in columns 18-19
 A = Hail L = Drizzle
 BS = Blowing snow N = Sand
 DL = Distant lightning R = Rain
 D = Dust S = Snow
 E = Sleet T = Thunderstorm
 F = Fog ZL = Freezing drizzle
 H = Haze ZR = Freezing rain
 K = Smoke

*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.

Average monthly temperature equals December, 1945 as second coldest December of Airport record.
 New daily temperature low records set on 5 consecutive days, 12th through 16th. Greatest December snowfall of record.

NO EXCESSIVE PRECIPITATION.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
1																									1	
2																									2	
3		T	T	T	.T																				3	
4		.07	.11	T																					4	
5																									5	
6																									6	
7																									7	
8																									8	
9																									9	
10																									10	
11																									11	
12		T	T									.01	.02	.03	.05	.05	.05	.05	.05	.04	.04	.03	.02	T	T	12
13																									13	
14												.02	.08	.08	.09	.08	.08	.02	T						14	
15																									15	
16																									16	
17																									17	
18																									18	
19																									19	
20																									20	
21																									21	
22																									22	
23																									23	
24		T	T	T	.01	T						T	T	.01	T								T	T	24	
25																									25	
26																									26	
27																									27	
28														.02	T	.02	.03	.03	.04	.06	.02	.05	.15	.20	.19	28
29		.41	.23	.41	.23	.06	.02	.22	.15	.05	.33	.11	.13	.02	T	T	.01	T	.03	.01	.01	.01	.01	.01	T	29
30		T	T	T																					30	
31																									31	

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