LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA (Byrd Field) — JANUARY 1957

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 7:30 A.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	JAMES RIVER STAGE at 8:00AM				Date
1	46	25	35	- 3	30	0	0	0	WSW	8.2	19	NE	5:02	56	5	5			1.0				1
2	32	15	24	- 14	41	0	0	0	NNW	7.6	16	NW	9:37	100	0	0			1.0				2
3	37	15	26	- 12	39	0	0	0	NW	6.2	11	SW	6:45	70	5	5			1.0				3
4	52	32	42	+ 4	23	.11	0	0	SW	10.8	15	SW	1:24	15	8	8			1.0				4
5	42	33	38	0	27	.11	0	0	N	7.0	16	NE	0:00	0	10	10			0.8				5
6	41	27	34	- 4	31	T	T	0	SE	5.5	12	S	3:28	36	9	9			0.8				6
7	50	31	41	+ 3	24	.01	.1	0	NNW	6.9	18	W	6:45	70	6	5			1.0				7
8	44	24	34	- 4	31	0	0	0	W	4.8	11	NW	8:02	83	8	7			1.0				8
9	45	34	40	+ 2	25	.27	T	0	S	6.7	17	S	0:00	0	10	10		F, R	0.8				9
10	65	29	47	+ 9	18	.10	0	0	N	9.7	33	NW	4:20	44	5	5		F, R	0.8				10
11	36	25	31	- 8	34	0	0	0	SE	5.2	10	N	1:51	19	9	6			0.8				11
12	48	24	36	- 3	29	0	0	0	S	8.0	11	S	3:40	37	6	4			0.8				12
13	50	35	42	+ 3	23	0	0	0	ENE	7.1	12	NE	2:52	29	7	8			1.0				13
14	38	20	29	- 11	37	.15	2.2	2	N	9.5	16	N	6:04	62	6	6			1.0				14
15	26	15	21	- 18	44	.17	1.7	T	NNE	6.6	10	NE	0:00	0	10	8			1.0				15
16	33	19	26	- 13	39	.10	1.5	3	NNW	6.2	10	N	5:11	53	7	7			1.0				16
17	22	8	15	- 24	50	T	T	1	NNE	6.6	13	NE	0:00	0	10	8			1.0				17
18	32	0	16	- 23	49	0	0	1	WSW	7.8	20	SW	9:01	91	2	1			1.0				18
19	42	9	26	- 13	39	0	0	1	SW	6.4	13	S	9:58	100	0	0			1.0				19
20	46	21	34	- 5	31	0	0	T	SSE	8.2	16	S	6:59	70	9	6			1.0				20
21	52	32	42	+ 3	23	.05	0	0	S	3.6	7	S	0:36	6	9	8		F	1.0				21
22	69	39	54	+ 16	11	.16	0	0	S	12.5	26	S	2:57	29	10	10		F	1.0				22
23	69	30	50	+ 12	15	.18	0	0	SSW	14.3	26	NW	6:03	60	10	9			1.0				23
24	52	21	37	- 11	38	0	0	0	ENE	8.9	21	NW	3:06	31	8	7			1.0				24
25	36	25	31	- 7	34	.13	0	0	S	4.7	9	S	0:00	0	10	10			1.0				25
26	48	30	39	+ 1	26	0	0	0	SE	6.4	12	NE	5:34	55	9	7			1.8				26
27	46	37	42	+ 3	23	.19	0	0	ENE	6.8	12	NE	0:00	0	10	10			1.6				27
28	42	37	40	+ 1	25	.67	0	0	NE	4.2	11	NW	0:00	0	10	10		F	1.5				28
29	67	42	55	+ 16	10	.12	0	0	SW	6.7	17	SW	0:54	9	10	10		F	1.7				29
30	48	37	43	+ 4	22	.04	T	0	NE	9.2	14	NE	0:00	0	10	10			1.7				30
31	44	35	40	+ 1	25	.82	0	0	E	5.8	12	SE	0:00	0	10	10			1.8				31
Sum	1376	802	—	—	—	5.36	5.8	—	—	230.1	—	—	110:09	—	238	219	—	—	35.8				Sum
Avg.	44.5	25.9	—	—	—	—	—	—	—	7.4	Fastest	Dir.	Possible	%	7.7	7.1	—	—	1.1				Avg.
										Misc.	33	NW	307:05	36	—	—	—	—	—				Misc.

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

TEMPERATURE: (°F)

Average monthly		35.2
Departure from normal		- 3.1
Highest	69 on	22nd, 23rd
Lowest	0 on	18th
Number of days with —		
Max. 32° or below		5
Max. 90° or above		0
Min. 32° or below		22
Min. 0° or below		1

HEATING DEGREE DAYS (base 65°):

Total this month	916
Departure from normal	+ 88
Seasonal total (since July 1)	2152
Seasonal departure from normal	-208

BAROMETRIC PRESSURE (In.)

Avg. station (elev. 164 feet, m.s.l.)			30.040
Highest sea level	30.84	on	20th
Lowest sea level	29.60	on	10th

PRECIPITATION: (In.)

Total for the month			3.36
Departure from normal			- .28
Greatest in 24 hours	.82	on	31st
Snow, Sleet			
Total for the month			5.8
Greatest in 24 hours	3.2	on	15-16th
Greatest depth on ground	3	on	16th
Dates of — Hail			None
Sleet 6-7-25-30th Glaze			25th

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

January was a cloudy, cold and wet month. Total precipitation was slightly below normal but was recorded on 19 days, 17 with measurable amounts. Nearly three times the normal number of cloudy days occurred, the greatest since 1950. More snow than normal fell, the greatest fall since January 1955. The minimum temperature of zero on the 18th was the lowest since January 25, 1948. No excessive precipitation.

ERRATUM: December 1956 Hourly Precipitation Table, hour ending 8 A.M. on 18th should be .02. √

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

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