

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

RICHMOND, VIRGINIA
 BYRD FIELD
 OCTOBER 1963

Latitude 37° 30' N. Longitude 77° 20' W. Elevation (ground) 162 ft. Eastern Standard time used

Date	Temperature (°F)			Precipitation (Water equivalent) (In.)	Snow, Sleet (In.)	Snow, Sleet or Ice on ground at 7:00 A.M. (In.)	Wind			Sunshine		Sky cover		Thunderstorm or distant lightning	Weather restricting visibility to 1/4 mile or less	Cooling Degree Days (Base 60°)	James River Stage at City Locks** Stage in Feet, S.M.L.			Date
	Maximum	Minimum	Average				Departure from normal	Degree days (base 65°)	Prevailing direction	Average speed (m. p. h.)	Fastest mile Speed (m. p. h.)	Direction	Total (hours and minutes)							
1	75	42	59	-6	6	0	0	0	WRW	5.0	6	N	11:49	100	0	0				1
2	77	43	60	-4	5	0	0	0	SSW	7.8	13	SW	11:47	100	0	0				2
3	83	50	67	+3	0	0	0	0	WSW	9.7	16	SW	9:52	84	1	1	T			3
4	73	41	57	-7	8	0	0	0	N	7.8	14	N	11:42	100	0	0				4
5	72	38	55	-8	10	0	0	0	NNE	5.5	6	E	11:39	100	0	0				5
6	77	36	57	-6	8	0	0	0	S	5.5	7	S	11:37	100	0	0				6
7	83	41	62	-1	3	0	0	0	S	7.0	11	SW	11:34	100	0	0				7
8	84	46	65	+3	0	.16	0	0	S	6.8	15	NE	9:42	84	4	5	T			8
9	69	43	56	-6	9	0	0	0	N	8.7	15	NE	11:29	100	0	2				9
10	70	38	54	-8	11	0	0	0	NW	6.6	9	NE	11:28	100	0	0				10
11	76	37	57	-4	8	0	0	0	SSW	6.5	12	SW	11:25	100	0	0				11
12	72	42	57	-4	8	0	0	0	NNE	9.2	17	NE	11:23	100	0	0				12
13	69	38	54	-7	11	0	0	0	NNE	7.0	10	NE	11:20	100	0	0				13
14	72	34	53	-7	12	0	0	0	SSE	4.8	6	S	11:18	100	0	0				14
15	78	36	57	-3	8	0	0	0	S	4.7	6	W	11:16	100	0	0				15
16	82	38	60	+1	5	0	0	0	NE	5.5	8	NE	11:13	100	0	0				16
17	83	39	61	+2	4	0	0	0	NW	5.9	10	NE	11:11	100	1	1				17
18	81	43	62	+3	3	0	0	0	NW	6.3	9	E	11:09	100	0	0				18
19	80	47	64	+5	1	0	0	0	NNE	7.2	10	NE	9:32	86	5	4				19
20	76	55	65	+7	0	0	0	0	NNE	10.5	16	NE	2:12	20	8	7				20
21	79	56	67	+9	0	0	0	0	NNE	11.5	17	NE	7:28	68	4	2				21
22	62	55	59	+1	6	T	0	0	NE	12.0	17	NE	0:00	0	10	10				22
23	66	49	58	+1	7	T	0	0	NNE	8.9	14	NE	0:00	0	10	9				23
24	77	44	61	+4	4	0	0	0	NE	6.8	7	E	8:24	77	3	3				24
25	76	48	62	+5	3	0	0	0	NE	5.9	7	SE	1:56	18	9	7				25
26	73	57	65	+9	0	0	0	0	N	5.6	6	N	0:00	0	10	10				26
27	78	54	65	+9	0	0	0	0	N	5.0	8	N	0:00	0	10	8				27
28	73	48	61	+6	4	0	0	0	N	9.8	21	N	2:50	26	5	4				28
29	59	41	50	-5	15	.14	0	0	NW	11.6	20	NW	0:00	0	9	7				29
30	60	31	46	-8	19	0	0	0	NW	10.4	20	NW	10:42	100	0	0				30
31	65	27	46	-8	19	0	0	0	SSW	7.7	15	SW	9:42	91	4	4				31
Sum	2297	1336				0.30	0			233.2			255:39		93	84				Sum
Avg	74.1	43.1								7.5	Fastest	Dir.	Possible	%	3.0	2.7				Avg.
										Misc.	21	N	348:02	73						Misc.

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

TEMPERATURE: (°F)
 Average monthly 58.6
 Departure from normal - 0.6
 Highest 84 on 8th
 Lowest 27 on 31st
 Number of days with -
 Max. 32° or below 0
 Max. 90° or above 0
 Min. 32° or below 2
 Min. 0° or below 0

HEATING DEGREE DAYS (base 65°):
 Total this month 197
 Departure from normal - 5
 Seasonal total (since July 1) 268
 Seasonal departure from normal +30
BAROMETRIC PRESSURE (In.)
 Avg. station (elev. 164 *feet, m. s. l.) 29.956
 Highest sea level 30.48 on 14th
 Lowest sea level 29.71 on 29th

PRECIPITATION: (In.)
 Total for the month 0.30
 Departure from normal - 2.70
 Greatest in 24 hours .16 on 8th
 Snow, Sleet -
 Total for the month 0
 Greatest in 24 hours 0 on -
 Greatest depth on ground 0 on -
 Dates of - Hail 0
 Sleet 0 Glaze/Rime 0

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

Second driest October of record, exceeded only by 0.11 inch rainfall in October 1874.
 Light Frost occurred on 6th, 14th, 30th, and Heavy Frost on 31st.

NO EXCESSIVE PRECIPITATION.

Errata: September 1963 - Hourly Precipitation, add "T" on 18th at 7A.M.

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

Corrections, if any, to data in this issue will be published in a later issue.

Subscription Price: Monthly Local Climatological Data \$1.00 per year including annual Summary if published; \$1.00 per year for monthly Supplement only; \$1.50 per year for monthly Summary, monthly Supplement and annual Summary if published. Single copy prices: 10 cents for monthly Summary; 10 cents for monthly Supplement; 15 cents for annual Summary.

Checks and money orders should be made payable and remittances and correspondence should be sent to the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.