



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

RICHMOND, VIRGINIA
 BYRD FIELD
 OCTOBER 1964

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

Date	Temperature (°F)			Departure from normal	Degree days (base 65°)	Precipitation		Snow, Sleet or Ice on ground at 7:00 A.M. (In.)	Snow, Sleet (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, 8 AM	Date					
	Maximum	Minimum	Average			Total (Water equivalent) (In.)	Prevailing direction			Average speed (m. p. h.)	Fastest mile	Total (hours and minutes)	Percent of possible	Sunrise to sunset (tenths)	Midnight to midnight (tenths)	Speed (m. p. h.)						Direction				
1	60	57	59	-6	6	.32	0	0	0	04	7.4	10	NE	0:00	0	10	10				1					
2	69	60	65	+1	0	.04	0	0	0	36	4.5	8	SW	0:00	0	10	10				2					
3	70	55	63	-1	2	0	0	0	0	02	6.7	17	NE	9:39	82	9	9				3					
4	66	55	61	-2	4	2.04	0	0	0	19	5.4	15	NE	0:00	0	10	10				4					
5	59	40	50	-13	15	.26	0	0	0	02	6.2	13	NE	1:16	11	10	8				5					
6	62	37	50	-12	15	0	0	0	0	01	8.2	13	NE	11:34	100	4	3				6					
7	61	36	49	-13	16	0	0	0	0	02	8.4	17	NE	11:34	100	0	0				7					
8	64	33	49	-12	16	0	0	0	0	36	5.7	8	NE	11:32	100	1	0				8					
9	69	40	55	-6	10	0	0	0	0	18	4.6	10	NE	9:49	85	4	2				9					
10	60	39	50	-11	15	0	0	0	0	01	9.3	15	NE	11:28	100	1	0				10					
11	58	32	45	-15	20	0	0	0	0	01	6.5	17	NE	11:25	100	0	0				11					
12	66	29	48	-12	17	0	0	0	0	19	4.1	10	SW	11:23	100	0	0				12					
13	74	35	55	-5	10	0	0	0	0	23	2.6	5	NW	11:20	100	0	0				13					
14	72	42	57	-2	8	0	0	0	0	02	5.1	10	NE	8:56	79	4	5				14					
15	65	43	54	-5	11	0	0	0	0	04	6.3	10	NE	3:50	34	10	8				15					
16	63	54	59	0	6	.85	0	0	0	05	12.6	25	NE	0:00	0	10	10				16					
17	64	58	61	+3	4	.08	0	0	0	36	9.3	15	N	0:03	0	10	10				17					
18	80	50	65	+7	0	0	0	0	0	30	6.3	11	N	11:09	100	0	0				18					
19	63	48	56	-2	9	0	0	0	0	01	8.2	18	N	1:29	13	9	7				19					
20	50	34	42	-15	23	.03	0	0	0	01	4.6	10	N	0:56	8	10	8				20					
21	62	31	47	-10	18	0	0	0	0	19	8.9	19	SW	11:02	100	0	0				21					
22	68	37	53	-4	12	0	0	0	0	01	6.1	10	NE	10:59	100	0	0				22					
23	60	32	46	-10	19	0	0	0	0	36	8.1	14	NE	10:04	92	2	1				23					
24	59	29	44	-12	21	0	0	0	0	35	5.0	8	W	10:55	100	0	0				24					
25	67	29	48	-7	17	0	0	0	0	18	3.5	7	E	10:53	100	0	0				25					
26	76	35	56	+1	9	0	0	0	0	18	3.7	6	SW	10:50	100	0	0				26					
27	76	37	57	+2	8	0	0	0	0	14	3.7	8	SW	9:42	90	8	4				27					
28	74	38	56	+2	9	0	0	0	0	19	4.4	11	SW	9:51	91	8	6				28					
29	70	47	59	+5	6	0	0	0	0	18	4.9	7	SW	2:56	27	10	7				29					
30	69	37	53	-1	12	0	0	0	0	02	6.9	15	NE	10:42	100	0	0				30					
31	66	35	51	-3	14	0	0	0	0	35	5.3	12	NE	10:40	100	0	0				31					
Sum	2042	1264				3.62	0				192.5			235:57		140	118			20	24.7	Sum				
Avg	65.9	40.8									6.2	Fastest	Dir.	Possible	%	4.5	3.8				0.8	Avg.				
T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.												Misc.	25	NE	348:02	68										Misc.

TEMPERATURE: (°F) HEATING DEGREE DAYS (base 65°): PRECIPITATION: (In.) Symbols used in columns 18-19

Average monthly 53.4 Total this month 352 Total for the month 3.62
 Departure from normal -5.3 Departure from normal +138 Departure from normal +.62
 Highest 80 on 18 Seasonal total (since July 1) 384 Greatest in 24 hours 2.22 on 4-5
 Lowest 29 on 12, 24, 25 Seasonal departure from normal +134 Snow, Sleet—
 Number of days with — Total for the month 0
 Max. 32° or below 0 BAROMETRIC PRESSURE (In.) Greatest in 24 hours 0 on —
 Max. 90° or above 0 Avg. station (elev. 164 *feet, m. s. l.) 29.917 Greatest depth on ground 0 on —
 Min. 32° or below 6 Highest sea level 30.44 on 11 Dates of — Hail NONE
 Min. 0° or below 0 Lowest sea level 29.51 on 16 Sleet NONE Glaze/Rime NONE

EXCESSIVE PRECIPITATION

PERIOD: Minutes 5 10 15 20 30 45 60 80 100 120 150 180
 Oct. 4 Amounts .10 .15 .22 .30 .44 .64 .82 .93 .97 1.07 1.18 1.31

The average temperature of 53.4 (5.3 below normal) made this the second coldest October of record. The previous second coldest October in 1957 had an average of 54.6 (4.2 below normal). The coldest October averaged 52.7 in 1880, the first year of record. Minimum temperatures set records for the dates indicated: 32.2 on 11th; 29.0 on 12th (was also lowest so early in fall); and 29.0 on 24th.

ERRATA: Sept. 1964 Total sunshine, sum of col. 14; 246:17

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		T	T	.01	T				.01	T		.01	T	.07	.05	.03	.02	.01	.01	T	T	.05	.04	T	T	.01	T	2	
3																													3
4																													4
5		.04	.02	.02	.02	.02	.01	T	.02	.03		.01	.02	.02	.61	.50	.12	.04	.02	.04	.02	.02	.11	.05	.01	T		5	
6																													6
7																													7
8																													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		T	T	T					.02	.01	T																	21	
22																													22
23																													23
24																													24
25																													25
26																													26
27																													27
28																													28
29																													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.

USCOMM-WB-Asheville 11-2-64-300