



# LOCAL CLIMATOLOGICAL DATA

U. S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, WEATHER BUREAU

RICHMOND, VIRGINIA  
BYRD FIELD  
AUGUST 1965

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

Date	Temperature (°F)						Weather types shown by code 1-9 on dates of occurrence 1 2 3 4 5 6 7 8 9 Fog Heavy Fog * Thunderstorm Sheet Hail Duststorm Smoke, Haze Blowing Snow	Snow, Sleet, or Ice on ground at 07AM (In.)	Precipitation		Avg. station pressure (In.) Elev. 164 feet m.s.l.	Wind				Sunshine		Sky cover (Tenths)		Date		
	Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days (Base 65°)			Total (Water equivalent) (In.)	Snow, sleet (In.)		Resultant direction	Resultant speed (m.p.h.)	Average speed (m.p.h.)	Fastest mile	Total (Hours and tenths)	Percent of possible	Sunrise to sunset	Midnight to midnight			
1	78	65	72	6	67	0	1	8	0	.09	0	29.70	17	8.9	9.2	16	SW	1.6	11	10	9	1
2	83	68	76	2	64	0	1	8	0	0	0	29.56	27	7.0	8.2	15	NW	11.8	84	4	4	2
3	82	58	70	8	55	0	0	0	0	0	0	29.77	25	4.7	5.6	11	NW	14.0	100	2	1	3
4	84	60	72	6	62	0	1	8	0	0	0	29.90	18	4.6	5.9	11	SE	10.2	73	5	5	4
5	86	65	76	2	65	0	1	8	0	0	0	29.95	03	1.8	5.3	10	N	13.3	95	8	7	5
6	90	66	78	0	69	0	1	8	0	0	0	29.94	19	7.9	8.2	15	SW	9.9	71	9	7	6
7	89	67	78	1	68	0	1	8	0	0	0	29.89	18	8.4	8.5	13	SW	13.7	98	2	2	7
8	89	70	80	3	70	0	0	0	0	.01	0	29.81	19	9.5	9.6	15	S	10.0	72	6	4	8
9	89	72	81	4	70	0	3	8	0	.06	0	29.76	20	8.7	8.9	16	SW	8.1	58	9	7	9
10	89	71	80	3	66	0	0	0	0	0	0	29.76	24	6.3	8.5	15	SW	8.6	62	7	6	10
11	83	63	73	4	61	0	0	0	0	0	0	29.94	01	5.2	5.6	11	N	11.4	83	5	4	11
12	89	63	76	1	65	0	2	8	0	0	0	29.96	22	4.2	6.0	11	N	9.7	70	5	4	12
13	92	68	80	3	65	0	1	8	0	0	0	29.87	24	2.0	5.9	9	N	11.5	84	5	4	13
14	91	72	82	5	66	0	1	8	0	T	0	29.80	32	2.7	5.5	17	NE	10.4	76	3	3	14
15	91	69	80	3	67	0	1	8	0	0	0	29.82	06	3.3	4.8	8	SE	10.5	77	3	2	15
16	91	70	81	4	68	0	1	8	0	T	0	29.78	16	4.4	5.3	12	SE	6.5	48	4	4	16
17	91	68	80	4	69	0	1 3	8	0	0	0	29.74	16	6.3	7.1	13	SE	8.4	62	3	4	17
18	94	70	82	6	70	0	1 3	8	0	T	0	29.67	17	1.3	4.9	13	NE	7.9	58	4	5	18
19	94*	69	82	6	68	0	1	8	0	.04	0	29.63	24	5.2	7.3	14	SW	9.8	73	4	6	19
20	85	63	74	2	60	0	0	8	0	.01	0	29.83	02	5.1	6.2	15	N	11.2	83	2	3	20
21	85	59	72	4	60	0	0	8	0	0	0	29.96	14	4.1	6.8	10	SE	6.1	46	8	7	21
22	89	68	79	3	70	0	1	8	0	.13	0	29.89	20	3.4	8.2	12	SW	5.1	38	9	9	22
23	88	71	80	4	72	0	2	8	0	.05	0	29.80	04	3.4	6.8	13	E	6.9	51	8	9	23
24	81	67	74	1	66	0	1	8	0	0	0	29.81	07	5.5	6.8	9	E	3.2	24	9	9	24
25	84	65	75	0	66	0	1	8	0	.05	0	29.82	15	4.5	5.0	11	SE	4.0	33	9	9	25
26	91	67	79	4	70	0	1 3	8	0	.37	0	29.75	21	5.7	6.2	24	NW	9.9	75	5	5	26
27	92	65	79	4	68	0	1	8	0	0	0	29.76	22	5.7	6.5	15	SW	13.2	100	1	1	27
28	90	62	76	1	67	0	0	8	0	0	0	29.69	25	4.4	9.1	18	N	4.6	35	8	6	28
29	71	52	62	12	40	3	0	0	0	0	0	30.01	36	4.9	7.5	14	NE	13.1	100	0	0	29
30	76	47*	62	12	46	3	0	0	0	0	0	30.06	10	2.3	5.2	10	NE	12.8	98	4	2	30
31	80	54	67	7	55	0	0	8	0	0	0	30.02	18	7.6	7.9	14	SW	10.5	80	7	5	31

Sum	2687	2014					Total	Dep.	6	Temperature:	Total	Total	For the month:				Total	%	Sum	Sum	
Avg.	86.7	65.0	Avg.	75.9	Dep.	0.1	64	6	0	Number of days:	.81	0	29.83	19	2.5	6.8	24	NW	287.9	168	153
Season to date						Max.	Max.	Min.	Min.	Date: 26				Possible month		Avg.	Avg.				
Total						6	6	0	11	0	Greatest in 24 hours and dates				Greatest depth on ground of snow, sleet or ice and date						
						Precipitation		Snow, Sleet													
						.37		26													

\* Extreme for the month.  
T In columns 9, 10, and 11 and in the Hourly Precipitation table indicates an amount too small to measure.  
X Heavy fog - visibility 1/4 mile or less.

### 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																											8
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26																											26
27																											27
28																											28
29																											29
30																											30
31																											31

Data in columns 6, 12, 13, 14, and 15 are obtained from 8 observations per day at 3-hourly intervals. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations; directions are given in tens of degrees from true North. When figures appear in column 17, they indicate directions in tens of degrees from true North (i. e., 09 = East, 27 = West) and the associated speed in column 16 is the fastest observed one-minute wind speed. If / follows direction (Col. 17), speeds are gusts. Corrections, if any, to data in this issue will be published in the annual issue.

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*William H. Haggard*  
Acting Director of National Weather Records Center

Hour (Local time)	Sky cover (Tenths)	Station pressure (In.)	Dry bulb (°F)	Wet bulb (°F)	Rel. hum. %	Dew point (°F)	Wind speed (m.p.h.)	Resultant wind	
								Direction	Speed (m.p.h.)
01	4	29.83	69	66	85	64	5.8	19	2.3
04	4	29.82	67	65	90	64	4.6	20	1.8
07	6	29.85	68	66	88	65	5.8	20	1.9
10	5	29.86	78	70	66	65	8.1	24	1.9
13	6	29.83	84	71	51	64	8.1	20	3.3
16	5	29.79	85	71	49	63	9.2	20	3.8
19	5	29.80	77	69	66	65	6.9	16	2.6
22	5	29.83	71	67	81	65	5.8	18	3.6

