



LOCAL CLIMATOLOGICAL DATA

U. S. DEPARTMENT OF COMMERCE - C. R. SMITH, Secretary

RICHMOND, VIRGINIA
BYRD FIELD
SEPTEMBER 1968

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION -- ENVIRONMENTAL DATA SERVICE

Latitude 37° 30' N Longitude 77° 26' W Elevation (ground) 164 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 x Fog H Thunderstorm Sleet Hail Glaze 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	84	60	72	-2	61	0			0	0	0	29.84	05	3.5	10	SE	4.3	33	9	9	1	22
2	88	64	76	2	64	0	1	8	0	0	0	29.81	19	3.6	8	SE	10.5	81	7	6	2	2
3	89	64	77	3	58	0	1	8	0	0	0	29.92	01	3.2	7	N	12.5	97	3	4	3	4
4	88	62	75	1	62	0		8	0	0	0	29.99	20	4.2	7	SW	6.8	53	10	8	4	3
5	91	66	79	5	65	0		8	0	0	0	29.95	16	4.8	13	SE	7.9	62	7	7	5	5
6	86	70	78	4	70	0	1	3	8	1.44	0	29.84	19	5.7	14	SE	2.9	23	10	9	6	6
7	84	57	71	-2	57	0		8	0	0	0	29.96	04	5.9	14	NE	12.6	99	2	2	7	8
8	84	55	70	-3	57	0		8	0	0	0	29.99	07	3.0	9	NE	11.1	87	7	6	8	7
9	83	58	71	-2	62	0	1	8	0	0	0	29.92	08	3.7	13	SE	7.9	62	5	4	9	9
10	81	66	74	1	68	0		8	0	0	0	29.74	10	4.7	14	SE	2.3	20	10	9	10	10
11	82	64	73	1	61	0	2	8	0	0	0	29.69	26	5.9	15	W	6.5	51	7	5	11	11
12	80	53	67	-5	54	0		8	0	0	0	29.80	32	3.7	10	N	11.2	89	3	2	12	12
13	81	49*	65	-7	50	0	1	8	0	0	0	29.88	28	2.9	9	NW	12.5	100	0	0	13	13
14	83	55	69	-2	54	0		8	0	0	0	29.89	02	4.0	9	NE	12.5	100	0	0	14	14
15	84	52	68	-3	54	0		8	0	0	0	29.97	06	3.6	8	NE	12.5	100	0	0	15	15
16	80	54	67	-4	56	0		8	0	0	0	30.02	06	3.2	8	NE	9.6	78	7	6	16	16
17	80	57	69	-1	59	0	1	8	0	0	0	30.02	07	2.9	7	NE	7.7	62	9	8	17	17
18	78	60	69	-1	59	0	1	8	0	0	0	29.98	08	4.8	8	E	5.2	42	9	8	18	18
19	83	59	71	1	57	0		8	0	0	0	30.03	05	6.2	9	E	12.3	100	3	4	19	19
20	82	55	69	0	57	0	1	8	0	0	0	30.08	03	4.0	7	N	12.3	100	1	1	20	20
21	83	55	69	0	58	0	2	8	0	0	0	30.09	07	3.5	8	SE	10.0	82	3	3	21	21
22	85	54	70	2	57	0	1	8	0	0	0	30.07	09	2.4	4	NE	12.2	100	0	0	22	22
23	88	52	70	2	56	0	1	8	0	0	0	29.97	11	3.0	6	NE	12.1	100	0	0	23	23
24	90	54	72	4	57	0	1	8	0	0	0	29.90	17	4.0	8	SE	12.1	100	0	0	24	24
25	92*	63	78	11	61	0	1	8	0	0	0	29.79	20	7.2	13	SW	11.3	94	2	2	25	25
26	86	62	74	7	63	0	1	3	8	0.14	0	29.75	11	1.0	4	NE	5.5	45	9	8	26	26
27	80	57	69	2	57	0	1	8	0	0	0	29.79	01	3.9	10	NE	7.2	60	6	5	27	27
28	83	52	68	2	52	0	1	8	0	0	0	29.89	36	2.8	7	N	11.1	93	1	2	28	28
29	81	54	68	2	53	0	1	8	0	0	0	30.02	02	5.2	11	N	8.2	69	4	4	29	29
30	81	50	66	1	49	0		8	0	0	0	30.01	31	2.5	9	NW	11.9	100	2	2	30	30

Sum	Sum	Total					Dep.	Temperature:			Total	Total	For the month:				Total	%	Sum	Sum		
2520	1733	0					-36	Number of days			1.78	0	29.92	07	1.3	5.2	15	W	282.9	76	4.3	4.1
Avg.	Avg.	Avg.	Dep.	Avg.	Season to date					Max.	Max.	Min.	Date: 11				Possible	month	Avg.	Avg.		
84.0	57.8	70.9	0.7	58	Total					<32°	>90°	<32°										

* Extreme for the month. May be the last of more than one occurrence.
 - Below zero temperatures or negative departure from normal.
 T In columns 9, 10, and 11 and in the Hourly Precipitation table indicates an amount too small to measure.
 X Heavy fog — visibility ¼ mile or less.

HOURLY PRECIPITATION (Liquid in Inches)

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						.11	.31	.02	T	T	T									.01	.99			6	
7																								7	
8																								8	
9																								9	
10		T	T	.01	T	.02	T				T		T	.01	T	T	.15	T					.01	10	
11																									11
12																									12
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23																									23
24																									24
25																									25
26														.01	T		.01	.09	.02	.01				26	
27																									27
28																									28
29																									29
30																									30

Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals. Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts. Any errors detected will be corrected and changes in summary data will be annotated in the annual Summary if published.

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William H. Haggard
 Director, National Weather Records Center

AVERAGES BY HOURS												Resultant wind	
Hour (Local time)	Sky cover (In tenths)	Station press. (In.)	Dry bulb (°F)	Wet bulb (°F)	Rel. hum. %	Dew point (°F)	Wind speed (m.p.h.)	Direction	Speed (m.p.h.)				
01	4	29.92	63	60	87	58	3.1	26	.7				
04	4	29.92	60	58	89	57	3.6	35	1.6				
07	5	29.93	62	60	88	58	4.8	01	1.9				
10	4	29.96	76	66	58	60	6.6	05	2.2				
13	5	29.92	82	67	44	57	7.7	07	2.3				
16	4	29.88	82	66	44	57	7.3	07	2.2				
19	4	29.89	70	64	69	59	5.4	11	3.4				
22	3	29.92	65	61	82	59	3.3	15	1.6				

