



LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

RICHMOND, VIRGINIA
NATIONAL WEATHER SERVICE OFC
BYRD FIELD
MARCH 1973

Latitude 37° 30' N Longitude 77° 20' W Elevation (ground) 164 ft. Standard time used: EASTERN WBAN #13740

155 COPY

Date	Temperature °F							Weather types on dates of occurrence 1 Fog 2 Heavy fog x 3 Thunderstorm 4 Ice pellets 5 Hail 6 Glaze 7 Duststorm 8 Smoke, Haze 9 Blowing snow	Snow, ice pellets or ice on ground at 07AM In.	Precipitation		Avg. station pressure In. Elev. 177 feet m.s.l.	Wind				Sunshine		Sky cover Tenths		Date		
	Maximum	Minimum	Average	Departure from normal	Average dew point	Heating	Cooling			Water equivalent In.	Snow, ice pellets In.		Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile	Hours and tenths	Percent of possible	Sunrise to sunset	Midnight to midnight			
1	60	22*	41	-2	24	24	0	0	0	0	0	30.25	18	5.3	5.9	15	S	9.7	85	7	6	1	
2	71	31	51	8	33	14	0	0	0	0	0	30.18	20	4.1	6.6	11	W	10.0	88	7	8	2	
3	59	31	55	12	52	10	0	2	0	.40	0	30.07	15	6.0	6.3	12	SE	0.3	3	10	10	3	
4	63	54	59	15	56	6	0	2	8	0	0	29.96	20	.9	3.6	11	SE	0.5	4	10	10	4	
5	55	50	53	9	52	12	0	2	0	.06	0	30.01	09	6.1	6.5	11	E	0.0	0	10	10	5	
6	50	45	48	3	47	17	0	2	0	.01	0	30.16	04	8.1	8.3	11	NE	0.0	0	10	10	6	
7	51	44	48	3	48	17	0	2	0	.03	0	30.07	02	9.5	8.2	11	N	0.0	0	10	10	7	
8	60	50	55	10	54	10	0	23	0	.15	0	30.00	35	1.9	3.9	7	W	1.2	10	10	10	8	
9	64	52	58	12	52	7	0	2	8	0	0	30.08	05	5.8	6.3	13	NE	1.4	12	10	10	9	
10	53	47	50	4	46	15	0	1	8	0	0	30.12	04	7.6	7.8	11	NE	0.0	0	10	10	10	
11	61	46	54	8	51	11	0	2	8	0	0	29.97	21	.7	5.9	13	SW	0.3	3	10	10	11	
12	81	53	67	20	50	0	0	2	1	0	0	29.72	27	6.9	12.4	26	SW	11.8	100	1	3	12	
13	69	41	55	8	41	10	0	0	0	0	0	29.90	03	.8	5.8	9	NE	10.9	92	6	3	13	
14	87*	49	68	21	52	0	3	0	0	0	0	29.76	20	5.5	6.3	11	W	10.3	87	8	7	14	
15	82	57	70*	22	57	0	0	0	8	0	0	29.70	26	6.3	9.2	23	W	5.4	45	10	10	15	
16	76	60	68	20	62	0	3	1	8	0	.50	29.60	19	4.1	7.2	18	S	3.3	28	10	10	16	
17	71	43	57	9	45	8	0	0	8	0	.37	29.11	22	13.1	18.1	35	W	5.5	46	8	8	17	
18	55	35	45	-4	22	20	0	0	0	0	0	29.35	27	14.7	15.7	33	W	8.5	71	8	6	18	
19	61	30	46	-3	23	19	0	0	0	0	0	29.62	31	6.6	8.6	17	NW	12.1	100	1	0	19	
20	53	30	42	-7	31	23	0	1	0	0	.12	29.75	34	.7	4.6	9	SW	7.1	59	10	9	20	
21	43	33	38*	-12	38	27	0	1	0	0	.45	29.65	04	9.1	9.8	19	NE	0.0	0	10	10	21	
22	45	33	39	-11	29	26	0	1	0	0	.02	29.83	34	12.7	13.1	19	NW	5.6	46	7	8	22	
23	58	34	46	-4	23	19	0	0	0	0	0	30.00	35	11.1	11.5	19	NW	11.6	94	2	3	23	
24	64	30	47	-4	23	18	0	0	0	0	0	30.04	02	2.1	6.0	9	NE	12.3	100	3	3	24	
25	61	38	50	-1	39	15	0	0	3	0	.02	29.73	15	7.4	8.1	18	S	1.2	10	10	9	25	
26	70	51	61	10	56	4	0	1	3	8	.34	29.27	31	2.6	8.8	17	NW	2.0	16	9	10	26	
27	62	40	51	0	44	14	0	1	8	0	.01	29.65	02	7.7	9.6	17	N	7.0	56	8	6	27	
28	60	32	46	-6	31	19	0	0	8	0	0	30.07	08	4.8	7.1	13	SE	11.9	95	3	2	28	
29	59	35	47	-5	40	18	0	1	8	0	0	30.04	04	3.9	5.2	9	E	7.5	60	10	9	29	
30	71	49	60	8	51	5	0	1	8	0	.06	29.94	13	2.5	5.2	10	N	6.1	49	10	10	30	
31	62	56	59	6	58	6	0	1	8	0	.73	29.86	12	6.7	7.3	12	S	0.0	0	10	10	31	
Sum		Sum		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total	
1947		1321		394		13		Number of days		3.44		1.4		29.85		36		.8		8.0		35	
Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.	
62.5		42.6		52.6		4.9		4.3		-152		Precipitation		≥ .01 inch		16		0.02		Date: 17		Possible month	
62.5		42.6		52.6		4.9		4.3		-152		Season to date		Snow, ice pellets		≥ 1.0 inch		1		Greatest in 24 hours and dates		Greatest depth on ground of snow, ice pellets or ice and date	
Maximum Temp.		Minimum Temp.		3275		13		Thunderstorms		3		Precipitation		Snow, ice pellets		1		21-22		1		22+	
≥ 90°		≤ 32°		≥ 32°		≥ 0°		Dep. Dep.		Heavy fog X		8		.73		31+		1.4		21-22		1	
0		0		6		0		-218		Clear		9		Partly cloudy		4		Cloudy		22			

HOURLY PRECIPITATION (Water equivalent 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																									6
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28																									28
29																									29
30																									30
31																									31

Extreme temperatures for the month. May be the last of more than one occurrence.
 - Below zero temperature or negative departure from normal.
 * ≥ 70° at Alaskan stations.
 + Also on an earlier date, or dates.
 X Heavy fog restricts visibility to 1/4 mile or less.
 T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.
 The season for degree days begins with July for heating and with January for cooling.
 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.

Subscription Price: Local Climatological Data \$ 2.00 per year including annual issue if published, foreign mailing 75c extra. Single copy: 20c for monthly issue; 15c for annual summary. Make checks payable to Department of Commerce, NOAA. Send payments and orders to National Climatic Center, Federal Building, Asheville, North Carolina 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
 Director, National Climatic Center

SUMMARY BY HOURS

Hour time	Sky cover	Station pressure	AVERAGES				Resultant wind		
			Temperature			Wind speed	Direction		
			Air °F	Wet bulb °F	Dep. Pt.				
01	7	29.86	48	46	43	83	6.9	07	.8
04	8	29.85	47	45	42	86	7.0	36	.2
07	7	29.87	46	44	42	88	6.6	02	1.7
10	8	29.89	53	48	43	72	9.1	35	1.9
13	9	29.86	58	51	43	63	9.1	31	2.9
16	8	29.82	60	52	43	60	9.1	31	1.1
19	8	29.83	55	49	44	70	7.9	08	1.4
22	7	29.85	52	48	44	77	7.8	08	.7

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	CEILING	VISI-BILITY	WEATHER	TEMPERATURE				WIND				VISI-BILITY	WEATHER	TEMPERATURE				WIND											
					AIR	WET BULB	DEW PT	REL. HUM.	DIR	SPEED	DIR	SPEED			AIR	WET BULB	DEW PT	REL. HUM.	DIR	SPEED	DIR	SPEED								
01	1	UNL	12		29	27	22	75	18	3	3	UNL	12		41	35	25	53	19	5	10	100	12		54	48	43	67	16	6
04	1	UNL	12		25	24	21	85	14	3	8	UNL	12		34	31	26	73	17	4	10	100	12		52	48	44	74	15	5
07	4	UNL	7		23	22	20	88	13	3	3	UNL	12		31	30	27	85	13	5	10	80	2	R	51	50	50	96	15	4
10	10	UNL	10		21	20	18	90	12	3	6	UNL	10		28	27	24	90	12	9	10	80	2	R	53	50	50	93	15	5
13	9	250	8		18	17	15	95	11	10	10	UNL	10		25	24	21	95	11	7	10	5	2	R	58	57	56	93	13	8
16	10	250	10		15	14	12	97	10	7	8	UNL	10		22	21	18	97	10	7	10	7	2	R	57	56	56	96	12	8
19	10	UNL	10		12	11	9	98	10	5	10	250	10		19	18	15	98	10	5	10	4	4	R	56	56	56	100	17	4
22	7	UNL	10		9	8	6	100	9	3	10	80	10		16	15	12	100	9	3	10	2	1	R	57	57	57	100	17	4

NOTES

CEILING COLUMN—
UNL indicates an unlimited ceiling.

WEATHER COLUMN—

- * Tornado
- T Thunderstorm
- O Squall
- R Rain
- RW Rain showers
- ZR Freezing rain
- D Drizzle
- ZL Freezing drizzle
- S Snow
- SP Snow pellets
- IC Ice crystals
- SW Snow showers
- SO Snow grains
- IP Ice pellets
- A Hail
- F Fog
- IF Ice fog
- GF Ground fog
- BD Blowing dust
- BN Blowing sand
- BS Blowing snow
- BY Blowing spray
- K Smoke
- H Haze
- D Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i.e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: RICHMOND VA

YEAR & MONTH: 73 03

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