



LOCAL CLIMATOLOGICAL DATA

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

RICHMOND, VIRGINIA
BYRD FIELD
MARCH 1972

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

Date	Temperature °F						Degree days Base 65°		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 Water equivalent In.	Snow-ice pellets In.	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	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	
																Speed m.p.h.	Direction						
1	78	49	64	21	45	1	0					29.78	19	9.4	9.6	20	SW	10.9	96	5	5	1	
2	81*	63	72*	29	57	0	7					29.65	19	15.1	15.2	23	SW	9.1	80	6	6	2	
3	70	31	51	8	43	14	0					29.57	33	2.5	13.5	25	SW	0.4	4	10	8	3	
4	46	25	36	-6	24	29	0					29.90	08	2.0	7.6	10	SE	8.8	76	9	7	4	
5	54	33	44	0	24	21	0					29.74	27	8.6	11.1	28	W	6.5	56	7	6	5	
6	47	23	35	-10	12	30	0					30.06	27	4.8	8.3	17	W	11.6	100	1	2	6	
7	66	39	53	8	23	12	0					29.93	19	14.9	15.2	26	SW	11.2	97	3	3	7	
8	59	35	47	2	35	18	0					29.80	26	8.9	15.7	24	NW	5.3	46	8	6	8	
9	45	28	37	-9	9	28	0					30.20	32	5.4	10.6	18	NW	10.7	92	2	4	9	
10	47	27	37	-9	17	28	0					30.21	36	5.6	9.6	19	NW	11.7	100	2	3	10	
11	50	22*	36	-10	22	29	0					30.35	10	3.5	6.8	10	S	11.7	99	2	1	11	
12	75	37	56	9	36	9	0					30.04	21	8.8	9.9	18	SW	9.4	80	3	3	12	
13	67	46	57	10	43	8	0	1				29.92	06	7.8	9.2	17	SE	11.8	100	5	6	13	
14	51	37	44	-3	45	21	0	1				29.79	36	5.5	8.2	15	N	0.0	0	10	9	14	
15	57	31	44	-4	34	21	0	1				29.76	36	2.2	5.5	11	NE	11.7	98	4	5	15	
16	80	42	61	13	45	4	0	1 3				29.47	15	7.3	10.5	25	SW	7.8	65	9	9	16	
17	58	45	52	4	47	13	0	1 3				29.15	39	7.8	11.5	18	W	0.1	1	10	10	17	
18	60	38	49	0	33	16	0					29.61	24	8.8	9.9	16	NW	10.3	86	8	6	18	
19	57	37	47	7	39	18	0					29.92	02	4.0	7.5	13	NE	10.3	85	5	5	19	
20	60	32	46	-3	31	19	0					30.13	09	4.9	6.6	15	SE	9.9	81	5	4	20	
21	75	38	57	7	43	8	0					29.97	19	9.2	9.8	23	SW	8.1	66	7	8	21	
22	67	47	57	7	45	8	0	3				29.43	22	9.4	14.4	23	S	7.3	60	7	7	22	
23	50	36	43	-7	25	22	0					29.49	29	10.3	12.2	18	NW	4.0	33	10	9	23	
24	47	30	39	-12	19	26	0					29.68	33	9.6	10.4	23	W	7.8	64	7	6	24	
25	40	26	33*	-18	21	32	0					29.76	31	2.8	4.8	10	NE	5.5	44	9	7	25	
26	56	28	42	-9	18	23	0					29.76	31	8.7	10.1	20	NW	12.4	100	0	2	26	
27	60	36	48	-3	29	17	0					29.62	24	3.3	5.8	13	W	4.9	39	8	8	27	
28	55	35	45	-7	27	20	0					29.61	04	6.7	7.2	13	NE	12.2	98	8	5	28	
29	53	31	42	-10	29	23	0	1				29.69	17	2.0	4.5	10	SE	5.3	42	9	7	29	
30	50	45	48	-4	39	17	0	1 3 5				29.73	06	5.7	7.1	12	NW	1.4	11	10	10	30	
31	49	42	46	-7	41	19	0	1				29.71	03	8.5	9.2	13	NE	0.0	0	10	10	31	
Sum	1810	1114				554	7					29.79	26	1.7	9.4	28	W	238.1	for month	199	188		
Avg.	58.4	35.9	47.2	-0.5	32	8												370.9	44	4.4	4.1		
Season to date										For the month:													
Number of days										Greatest in 24 hours and dates													
Maximum Temp. Minimum Temp.										Precipitation Snow, ice pellets													
≥ 90° F ≤ 32° ≤ 0°										1.02 16-17 0													
0 0 12 0 -385										Clear 7 Partly cloudy 10 Cloudy 14													

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
7																									7
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25																									25
26																									26
27																									27
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.
† $\frac{1}{2}$ 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 faster 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.

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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 tenths	Station pressure In.	TEMPERATURE				Relative humidity %	Wind speed m.p.h.	Direction	Resultant wind Speed m.p.h.
			Air °F	Wet bulb °F	Dew Pt. °F	Temperature				
01	5	29.80	43	39	32	67	8.5	19	2.2	
04	6	29.78	41	38	33	73	7.9	22	1.7	
07	7	29.81	40	37	32	74	7.6	27	1.3	
10	6	29.82	48	42	33	58	11.0	27	1.3	
13	7	29.77	54	44	32	47	11.8	29	3.7	
16	6	29.74	56	45	30	42	12.2	26	4.6	
19	6	29.77	48	41	31	55	9.6	30	1.4	
22	6	29.80	44	39	32	64	8.1	15	.9	

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING HIGHEST VIS. MILES	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND SPEED Knots	WIND DIR.	WIND SPEED Knots	WEATHER	TEMPERATURE				WIND SPEED Knots	WIND DIR.	WIND SPEED Knots											
					AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %					AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %														
01	0	UNL	12	DAY 01	54	47	39	57	18	6	9	80	12	DAY 02	65	59	55	70	20	13	DAY 03	69	64	61	76	18	15			
04	2	UNL	12		50	45	39	57	18	6	7	250	12		65	61	58	70	20	13		67	63	60	78	20	13			
07	6	UNL	10		49	46	43	80	19	6	7	250	10		64	60	57	78	19	12		65	59	56	83	23	10			
10	3	UNL	6	H	47	57	49	53	18	9	7	250	8		72	64	58	64	19	10		48	47	46	93	03	10			
13	2	UNL	10		76	58	44	32	21	13	5	UNL	10		79	65	57	47	20	14		43	42	40	89	04	12			
16	7	UNL	10		77	61	48	36	21	12	6	250	12		60	63	52	38	20	12		38	36	34	86	34	15			
19	9	250	12		69	57	47	46	18	9	5	UNL	12		69	63	60	73	19	10		10	60	12	37	33	27	67	33	9
22	8	250	12		64	56	49	58	19	7	10	100	12		69	63	60	73	18	13		0	UNL	12	33	30	23	67	34	10
01	0	UNL	12	DAY 04	30	27	21	69	36	9	10	60	7	DAY 05	38	36	34	86	10	4	DAY 06	31	25	10	41	29	10			
04	0	UNL	12		27	25	20	73	34	5	7	UNL	7	R	36	35	33	89	21	4		0	UNL	12	27	23	11	31	00	0
07	8	UNL	12		25	24	19	78	35	6	10	60	6	H	38	36	34	86	23	9		0	UNL	12	25	22	13	60	25	7
10	10	120	10		33	29	20	59	08	6	10	45	6	H	43	40	39	73	27	10		0	UNL	12	35	27	08	32	28	14
13	8	250	10		39	33	22	51	11	7	7	250	10		43	41	25	34	26	15		0	UNL	12	41	31	10	28	34	8
16	9	120	10		44	37	21	51	21	9	2	UNL	10		51	37	11	20	25	10		3	UNL	12	46	34	09	22	33	9
19	10	30	12		42	37	29	60	14	6	0	UNL	12		41	31	09	27	30	12		6	UNL	12	35	29	18	50	14	6
22	10	25	12		39	36	32	76	12	5	0	UNL	12		35	28	11	37	32	7		3	UNL	12	34	28	17	50	15	4
01	10	100	12	DAY 07	42	33	15	33	17	10	8	100	12	DAY 08	57	50	44	62	19	17	DAY 09	34	27	11	38	33	10			
04	9	90	12		39	31	17	41	17	8	10	100	7	RW	59	54	49	70	22	12		8	250	12	31	25	09	40	33	13
07	8	UNL	12		40	33	19	43	20	8	10	80	6	RW	55	53	52	90	22	14		8	250	12	28	23	07	41	32	12
10	1	UNL	10		35	41	20	25	20	13	10	12	7	RW	36	34	32	90	22	14		1	UNL	12	34	26	05	29	32	12
13	0	UNL	10		32	43	23	22	21	16	10	75	10		47	41	35	83	10	10		1	UNL	12	37	29	05	24	37	8
16	3	UNL	10		65	47	25	22	19	9	3	UNL	10		55	41	18	25	32	15		1	UNL	12	44	32	06	21	35	5
19	0	UNL	12		60	45	26	27	19	16	0	UNL	12		46	34	12	25	32	10		1	UNL	12	34	27	12	40	19	7
22	0	UNL	12		57	47	36	46	19	16	0	UNL	15		39	30	13	34	33	12		10	80	12	36	29	14	40	16	7
01	6	90	12	DAY 10	33	28	19	56	16	5	0	UNL	10	DAY 11	27	25	21	78	06	5	DAY 12	38	34	28	67	16	7			
04	9	90	12		33	28	21	78	34	4	0	UNL	12		23	22	20	88	36	4		0	UNL	10	37	34	28	70	19	9
07	0	UNL	7		41	34	22	47	35	14	1	UNL	10		37	31	19	48	09	6		0	UNL	10	56	48	32	40	22	13
10	4	UNL	12		46	35	17	31	34	12	2	UNL	10		46	36	18	33	20	7		5	UNL	8	70	54	39	32	22	11
13	0	UNL	12		44	33	13	28	35	14	2	UNL	10		49	38	20	32	10	7		2	UNL	8	74	57	43	33	23	13
16	0	UNL	12		35	28	12	38	03	4	2	UNL	10		43	37	27	53	12	8		9	90	8	64	54	46	52	21	4
19	0	UNL	12		30	26	16	58	09	4	1	UNL	7		38	33	29	76	13	6		0	UNL	12	55	49	43	64	11	4
01	0	UNL	12	DAY 13	52	48	43	72	03	6	10	3	1	DAY 14	46	45	45	96	05	7	DAY 15	35	34	33	92	23	4			
04	6	100	8		49	46	43	80	02	6	10	2	1	LF	46	45	45	96	07	6		0	UNL	7	32	31	29	89	23	4
07	7	100	6	H	47	45	42	83	01	7	10	2	0	RF	46	45	45	96	06	5	GF	1	UNL	3	33	32	31	92	00	0
10	4	UNL	6	H	53	49	43	64	03	6	10	3	0	8	48	47	47	96	06	5		7	25	7	46	41	35	66	34	5
13	6	UNL	7		65	54	44	47	10	7	10	3	0	12	51	50	49	93	31	8		6	30	7	53	45	36	53	32	6
16	2	UNL	7		65	54	44	47	09	7	10	7	2		50	48	47	89	34	8		2	UNL	10	56	46	35	45	36	6
19	10	18	7		50	47	43	67	07	12	10	7	2	F	46	45	44	93	32	10		10	100	12	49	43	36	61	06	6
22	10	4	2	LF	46	43	43	96	09	10	3	UNL	12		40	39	37	89	32	8		10	100	12	46	40	33	61	06	7
01	10	90	12	DAY 16	45	41	33	68	09	7	10	6	3	DAY 17	58	57	57	96	18	8	DAY 18	44	40	34	68	23	9			
04	10	90	12		42	39	35	76	09	6	10	4	7	RWF	54	53	53	96	34	5		0	UNL	10	39	37	33	79	20	7
07	10	90	7		42	39	39	79	09	5	10	8	7		52	50	49	90	36	11		7	250	8	41	38	33	73	24	8
10	8	UNL	6	H	58	45	32	60	12	8	10	6	7		52	48	46	74	36	13		7	UNL	10	53	44	32	45	27	11
13	9	UNL	6	H	71	59	50	48	19	13	10	4	6	H	52	48	46	74	36	13		5	UNL	10	47	34	31	37	21	7
16	9	250	7		77	62	51	40	19	15	10	4	7		53	48	46	72	33	10		7	250	12	59	46	31	35	24	13
19	10	9	2	RW	50	47	55	93	23	6	10	4	7	RW	50	47	44	82	28	15		7	UNL	12	51	43	34	52	20	5
22	10	5	5	RWF	57	56	56	96	13	13	10	50	10		49	43	36	61	29	8		10	250	12	45	41	36	71	19	5
01	8	250	10	DAY 19	49	44	38	66	20	5	0	UNL	12	DAY 20	37	33	27	67	05	3	DAY 21	38	36	33	82	11	4			
04	10	250	10		50	45	39	66	25	6	0	UNL	10		32	31	29	89	33	3		10	80	8	42	39	36	79	19	4
07	7	80	10		43	38	32	65	01	7	1	UNL	10		35	33	29	79	03	5		9	100	7	43	41	39	86	17	3
10	9	250	10		50	42	31	48	02	11	0	UNL	12		48	41	39	56	08	9		3	UNL	7	54	49	44	69	20	11
13	3	UNL	10		55	45	32	42	02	8	6	UNL	12		58	45	30	35	10	8		7	UNL	8	70	58	49	47	18	11
16	3	UNL	10		66	44	30	37	01	6	10	250	12		60	47	31	34	05	3		8	250	12	73	59	49	43	20	13
19	0	UNL	10		47	40	30	32	05	6	10	UNL	12		47	41	32	36	12	9		10	250	12	67	57	48	51	19	9
22	0	UNL	12		39	33	29	67	11	3	7	100	12		45	40	34	65	14	6		10	100	12	64	56	49	58	18	13
01	10	35	7	DAY 22	59	56	54	84	18	13	0	UNL	12	DAY 23	46	39	28	50	26	10	DAY 24	37	31	19	48	29	5			
04	10	20	6	RW	59	57	56	90	14	14	10	80	12		43	37	29	58	23	9		6	80	12	32	29	23	69	36	6
07																														