



# APRIL 2004

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# RICHMOND, VA

RICHMOND INTL AIRPORT (RIC)  
 Lat: 37°30' N Long: 77°19' W Elev (Ground): 164 Feet  
 Time Zone: EASTERN WBAN: 13740 ISSN #:0198-537X

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			5-SEC		2-MIN			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	57	46	52	-1	45	47	13	0	RA BR			0.0	0.36	29.38	29.57	7.8	28	9.3	25	32	21	30	01	
02	48	44	46	-7	41	44	19	0	RA			0.0	0.09	29.48	29.67	8.7	30	9.3	22	33	18	30	02	
03	59	43	51	-2	42	46	14	0	RA BR			0.0	0.02	29.52	29.71	5.4	30	7.3	22	31	18	32	03	
04	57	40	49	-4	28	41	16	0				0.0	0.00	29.47	29.66	15.1	30	16.9	40*	31	33*	31	04	
05	52	38	45*	-9	13	34	20	0				0.0	0.00	29.74	29.93	15.9	32	16.3	35	31	28	31	05	
06	64	30*	47	-7	21	38	18	0				0.0	0.00	29.82	30.01	4.3	30	6.5	22	29	17	31	06	
07	78	39	59	5	40	50	6	0				0.0	0.00	29.60	29.79	6.0	25	7.6	30	27	24	27	07	
08	71	50	61	6	42	50	4	0				0.0	0.00	29.50	29.69	6.0	08	7.1	20	36	17	36	08	
09	71	42	57	2	43	50	8	0	RA BR HZ			0.0	T	29.68	29.86	5.7	36	7.1	24	36	18	36	09	
10	61	42	52	-3	39	46	13	0	RA BR			0.0	T	29.84	30.03	4.3	09	5.0	14	06	12	11	10	
11	52	44	48	-8	47	48	17	0	RA DZ BR			0.0	0.04	29.83	30.02	8.6	03	9.0	23	02	18	02	11	
12	50	44	47	-10	47	47	18	0	RA BR			0.0	1.23	29.81	30.00	7.6	05	9.3	21	08	16	09	12	
13	59	45	52	-5	50	50	13	0	TSRA RA FG+ BR			0.0	0.33	29.53	29.72	3.1	36	6.4	24	29	20	31	13	
14	55	45	50	-7	47	48	15	0	RA FG+ BR			0.0	0.63	29.53	29.72	6.4	33	8.1	30	33	22	34	14	
15	66	44	55	-2	33	45	10	0				0.0	0.00	29.88	30.07	13.3	36	13.9	35	36	29	01	15	
16	70	38	54	-4	34	45	11	0				0.0	0.00	30.12	30.31	0.9	10	4.3	14	28	12	25	16	
17	84	46	65	7	48	56	0	0				0.0	0.00	30.09	30.27	9.2	20	10.0	25	22	21	22	17	
18	89	57	73	15	55	62	0	8				0.0	0.00	30.10	30.28	8.5	20	8.9	18	20	15	20	18	
19	90*	62	76	18	56	64	0	11				0.0	0.00	29.96	30.14	12.4	21	12.7	29	23	25	22	19	
20	87	58	73	14	56	63	0	8				0.0	0.00	29.83	30.01	1.7	16	6.1	23	22	16	11	20	
21	87	61	74	15	59	65	0	9	RA BR			0.0	0.02	29.79	29.98	8.5	17	11.1	25	19	22	20	21	
22	86	62	74	15	57	64	0	9				0.0	0.00	29.86	30.05	12.6	20	13.0	29	23	22	21	22	
23	87	66	77*	18	64	67	0	12	RA BR			0.0	0.17	29.85	30.03	8.0	21	9.2	35	31	28	33	23	
24	78	59	69	9	58	62	0	4	RA BR HZ			0.0	0.01	29.99	30.18	3.9	06	7.1	22	02	18	03	24	
25	75	53	64	4	55	59	1	0				0.0	0.00	30.01	30.20	8.9	15	9.3	22	15	17	17	25	
26	78	57	68	8	62	63	0	3	RA BR			0.0	0.44	29.77	29.96	7.1	20	10.4	33	31	28	33	26	
27	70	45	58	-2	47	53	7	0	RA BR			0.0	0.08	29.67	29.85	7.4	29	10.2	39	28	25	32	27	
28	67	37	52	-9	36	45	13	0				0.0	0.00	30.06	30.25	2.1	29	5.7	18	27	14	28	28	
29	77	48	63	2	48	55	2	0				0.0	0.00	30.18	30.38	9.5	19	9.9	24	21	20	20	29	
30	78	56	67	6	56	61	0	2				0.0	0.00	30.07	30.26	9.9	19	10.4	22	20	18	19	30	

70.1	48.0	59.1	■ ■	45.6	52.3	7.9	2.2	< MONTHLY AVERAGES	TOTALS-->	0.0	3.42	29.80	29.99	1.4	25	9.3	<- MONTHLY AVERAGES
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1.2	2.7	2.0	■ ■	-----DEPARTURE FROM NORMAL----->						0.24	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
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<b>DEGREE DAYS</b>				GREATEST 24-HR PRECIPITATION: 1.23 DATE: 12				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE				SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM : 30.45 29 0854							
HEATING: 238 -16 3778 -53				GREATEST SNOW DEPTH:				MINIMUM : 29.50 01 1454				PRECIPITATION ≥ 0.01 INCH : 12							
COOLING: 66 33 69 27				NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 1				PRECIPITATION ≥ 0.10 INCH : 6							
								MAXIMUM TEMP ≤ 32 : 0				SNOWFALL ≥ 1.0 INCH : 0							
								THUNDERSTORMS : 1				MINIMUM TEMP ≤ 0 : 0				HEAVY FOG : 2			

**APRIL 2004**  
**RICHMOND, VA**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## RICHMOND, VA

APRIL 2004

RIC

WBAN # 13740

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01		T	0.05	0.04	T	0.01	0.04	0.04	0.04	0.08	0.03	0.01	01	T	T		0.01	T	T		T	T	0.01	01			0.36		
02		T		T							T	0.01	02	0.01	0.01	0.02	0.01	T	T	0.01	0.01	T		02			0.09		
03		T									0.01	0.01	03	T										03			0.02		
04													04												04			0.00	
05													05												05			0.00	
06													06												06			0.00	
07													07												07			0.00	
08													08												08			0.00	
09	T	T	T										09												09			0.00	
10													10			T	T	T							10			T	
11					T	T	0.01	T					11	T	T	0.01	T	T	T	0.01				T	11			0.04	
12	T		0.01	0.02	0.01	0.01	0.01	0.06	0.03	0.08	T	0.16	12	0.12	T	0.01	0.03	0.09	0.14	0.32	0.08	0.01	0.03	T	12			1.23	
13	T							0.01	0.01		0.01	0.02	13	0.02	0.04	0.06	0.16	0.02					T	13			0.33		
14					0.07	0.02	0.07	0.03			0.01	0.02	14	0.07	0.04	0.01			T	0.01	0.01	0.09	0.16	0.03	T	14		0.63	
15													15												15			0.00	
16													16												16			0.00	
17													17												17			0.00	
18													18												18			0.00	
19													19												19			0.00	
20													20												20			0.00	
21		0.01	0.01										21												21			0.02	
22													22												22			0.00	
23													23						0.17						23			0.17	
24	T				0.01								24												24			0.01	
25													25												25			0.00	
26							0.01						26			0.20	0.08	0.05	0.02	0.01	0.02	0.03	0.02	T	0.01	26		0.44	
27	0.04	0.03	T										27	T			T	T	T						27			0.08	
28													28												28			0.00	
29													29												29			0.00	
30													30												30			0.00	

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.09	.13	.16	.19	.22	.28	.32	.37	.41	.47	.54	.59
Ending Date	23	23	26	26	12	12	12	12	12	12	12	12
Ending Time (Hour/Min)	1714	1719	1444	1447	1838	1841	1856	1909	1841	1856	1856	1920

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

## REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less  
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971–2000

### WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    ' ' = Moderate    '-' = Light

## RICHMOND, VA APRIL 2004

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

### ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							2.00	10.00	
02							7.00	10.00	
03							6.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							2.50	10.00	
10							3.00	10.00	
11							1.50	10.00	
12							1.25	10.00	
13							.25	10.00	
14							<.25	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							9.00	10.00	
21							5.00	10.00	
22							10.00	10.00	
23							2.00	10.00	
24							5.00	10.00	
25							10.00	10.00	
26							1.75	10.00	
27							2.50	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
<b>MONTHLY AVGS</b>							6.75	10.00	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible: Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING 30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0 2            9            17									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# RICHMOND, VA

APRIL 2004          RIC          WBAN # 13740

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATellite		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATellite		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)			
				OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION					SEA LEVEL	OBSERVATION TIME (LST)		EFF CLD AMT Okta	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
	SUNRISE	SUNSET														SUNRISE	SUNSET														
				SUNRISE: 0554		APR 01	SUNSET: 1832									SUNRISE: 0545			APR 07	SUNSET: 1838											
01	OVC	001		3.00	BR		47	47	47	100	6	36	29.47	29.65	01	BKN	120				10.00			46	35	41	66	5	36	29.70	29.89
04	OVC	003		4.00	-RA BR		47	47	47	100	3	32	29.40	29.58	04	FEW	NC				10.00			44	33	39	65	3	02	29.66	29.85
07	OVC	006		4.00	-RA BR		47	47	47	100	5	30	29.38	29.57	07	BKN	075				10.00			45	37	41	74	3	19	29.69	29.88
10	OVC	030		3.00	RA BR		48	47	47	96	9	28	29.39	29.57	10	FEW	NC				10.00			65	33	50	31	13	23	29.66	29.85
13	OVC	027		10.00	-RA		52	47	49	83	14	24	29.36	29.54	13	OVC	240				10.00			75	42	57	31	18	28	29.57	29.76
16	OVC	050		10.00	-RA		52	46	49	80	15	31	29.33	29.51	16	OVC	250				10.00			77	44	59	31	21	27	29.51	29.69
19	OVC	070		10.00	-RA		49	41	45	74	12	25	29.38	29.56	19	BKN	250				10.00			71	45	57	39	6	26	29.52	29.70
22	OVC	049		10.00	-RA		46	39	43	77	8	26	29.41	29.59	22	CLR	NC				10.00			59	44	51	58	0	00	29.55	29.73
				SUNRISE: 0553		APR 02	SUNSET: 1833									SUNRISE: 0544			APR 08	SUNSET: 1839											
01	BKN	035		10.00	-RA		46	38	42	73	9	30	29.41	29.59	01	SCT	NC				10.00			54	45	49	72	5	01	29.56	29.75
04	OVC	030		10.00	-RA		44	39	42	83	6	26	29.41	29.59	04	BKN	110				10.00			55	36	46	49	3	06	29.54	29.72
07	OVC	030		10.00	-RA		45	37	41	74	6	27	29.46	29.64	07	OVC	120				10.00			53	39	46	59	8	05	29.56	29.75
10	OVC	023		10.00	-RA		47	39	43	74	15	32	29.49	29.67	10	SCT	NC				10.00			60	42	51	52	12	10	29.55	29.74
13	OVC	018		7.00	-RA		46	43	45	89	9	30	29.50	29.68	13	BKN	150				10.00			67	42	54	41	7	08	29.48	29.66
16	OVC	018		10.00	-RA		47	44	46	90	9	31	29.50	29.69	16	SCT	NC				10.00			69	44	56	41	0	00	29.42	29.60
19	OVC	037		10.00	-RA		46	44	45	93	8	32	29.53	29.72	19	SCT	NC				10.00			62	47	54	58	7	09	29.42	29.60
22	OVC	021		10.00	-RA		45	43	44	93	9	33	29.55	29.74	22	FEW	NC				10.00			51	45	48	80	9	11	29.47	29.65
				SUNRISE: 0551		APR 03	SUNSET: 1834									SUNRISE: 0542			APR 09	SUNSET: 1840											
01	OVC	030		10.00	-RA		44	43	44	96	10	33	29.55	29.74	01	OVC	080				8.00	-RA		50	43	47	77	12	04	29.54	29.72
04	OVC	020		10.00	-RA		44	42	43	93	6	33	29.52	29.71	04	CLR	NC				5.00	BR		45	43	44	93	6	33	29.56	29.75
07	OVC	025		10.00	-RA		45	43	44	93	5	28	29.54	29.73	07	CLR	NC				2.50	BR		47	44	46	90	6	35	29.66	29.85
10	OVC	039		10.00	-RA		48	43	46	83	8	26	29.56	29.76	10	CLR	NC				5.00	HZ		59	46	52	62	10	33	29.71	29.90
13	OVC	034		10.00	-RA		52	41	47	66	12	31	29.54	29.73	13	SCT	NC				10.00			66	42	54	42	9	32	29.69	29.88
16	SCT	NC		10.00	-RA		58	39	49	50	9	35	29.50	29.68	16	SCT	NC				10.00			70	42	55	37	9	35	29.66	29.85
19	BKN	250		10.00	-RA		56	39	48	53	3	25	29.50	29.68	19	FEW	NC				10.00			62	42	52	48	7	06	29.71	29.91
22	CLR	NC		10.00	-RA		46	39	43	77	5	18	29.49	29.67	22	FEW	NC				10.00			52	41	47	66	3	15	29.79	29.98
				SUNRISE: 0550		APR 04	SUNSET: 1835									SUNRISE: 0541			APR 10	SUNSET: 1841											
01	BKN	090		10.00	-RA		45	40	43	83	8	20	29.44	29.62	01	SCT	NC				10.00			49	41	45	74	0	00	29.81	30.00
04	BKN	100		10.00	-RA		47	39	43	74	7	22	29.35	29.53	04	SCT	NC				9.00			42	40	41	92	5	14	29.83	30.02
07	FEW	NC		10.00	-RA		50	30	41	46	21	29	29.41	29.59	07	OVC	060				7.00			48	45	47	89	0	00	29.89	30.08
10	SCT	NC		10.00	-RA		53	26	42	35	22	30	29.45	29.63	10	OVC	065				10.00			59	33	47	38	8	07	29.88	30.08
13	BKN	080		10.00	-RA		55	24	42	30	25	31	29.44	29.62	13	OVC	050				10.00			60	32	47	35	8	09	29.84	30.03
16	SCT	NC		10.00	-RA		56	25	43	30	20	32	29.45	29.64	16	OVC	050				10.00	-RA		56	40	48	55	7	11	29.81	30.00
19	FEW	NC		10.00	-RA		49	21	38	33	22	31	29.55	29.74	19	OVC	055				10.00			53	39	46	59	6	13	29.82	30.01
22	CLR	NC		10.00	-RA		42	20	34	41	12	32	29.63	29.83	22	BKN	120				10.00			52	38	45	59	6	10	29.81	30.00
				SUNRISE: 0548		APR 05	SUNSET: 1836									SUNRISE: 0540			APR 11	SUNSET: 1841											
01	CLR	NC		10.00	-RA		40	21	33	47	17	30	29.63	29.83	01	OVC	015				10.00			52	40	46	64	3	06	29.79	29.98
04	CLR	NC		10.00	-RA		40	14	31	35	25	30	29.63	29.82	04	OVC	010				10.00			50	44	47	80	7	06	29.76	29.95
07	CLR	NC		10.00	-RA		39	15	31	38	16	32	29.70	29.90	07	OVC	005				2.50	-RA BR		49	49	49	100	7	03	29.78	29.97
10	CLR	NC		10.00	-RA		45	7	33	21	17	33	29.75	29.94	10	OVC	004				2.50	BR		51	51	51	100	8	01	29.81	30.01
13	CLR	NC		10.00	-RA		50	12	37	22	20	30	29.74	29.93	13	OVC	007				1.75	-DZ BR		52	52	52	100	9	03	29.81	30.00
16	CLR	NC		10.00	-RA		52	12	38	20	17	33	29.71	29.91	16	OVC	006				2.00	-DZ BR		47	47	47	100	18	01	29.84	30.03
19	CLR	NC		10.00	-RA		47	13	35	25	12	34	29.77	29.97	19	OVC	005				3.00	BR		45	45	45	100	12	03	29.88	30.08
22	CLR	NC		10.00	-RA		41	15	32	35	6	34	29.84	30.03	22	OVC	006				3.00	BR		44	44	44	100	9	05	29.92	30.12
				SUNRISE: 0547		APR 06	SUNSET: 1837									SUNRISE: 0538			APR 12	SUNSET: 1842											
01	CLR	NC		10.00																											

# OBSERVATIONS AT 3-HOURLY INTERVALS

# RICHMOND, VA

APRIL 2004

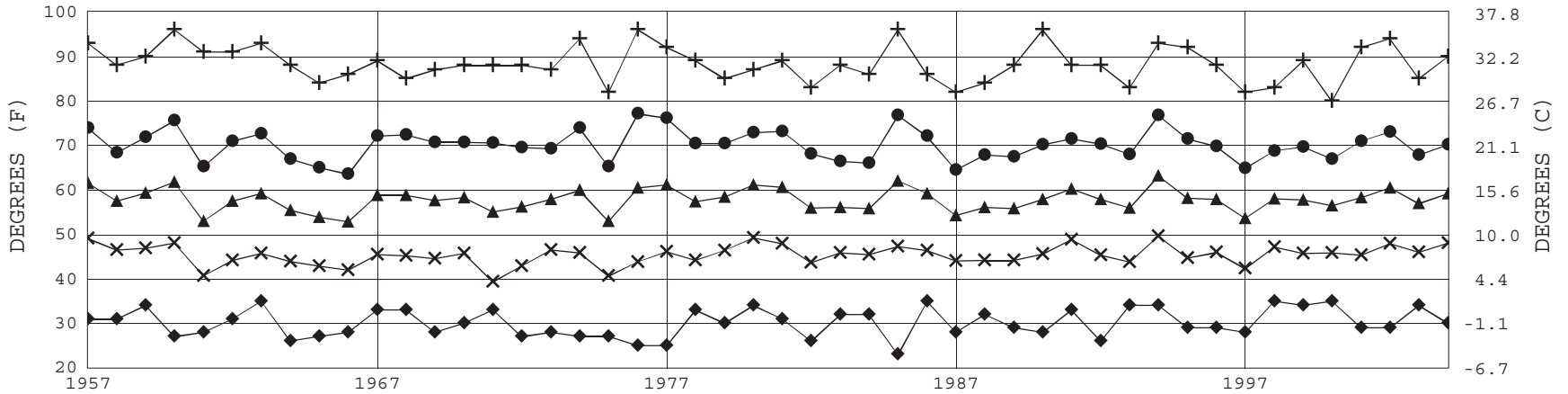
RIC

WBAN # 13740

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		
	SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
<b>SUNRISE: 0537 APR 13 SUNSET: 1843</b>																								
01	OVC	004	6.00	BR	47	47	47	100	8	01	29.71	29.91	01	CLR	NC	10.00	70	55	61	59	10	20	30.07	30.26
04	OVC	004	3.00	BR	47	47	47	100	9	02	29.67	29.87	04	CLR	NC	10.00	63	55	58	76	9	19	30.04	30.23
07	OVC	002	0.50	FG	47	47	47	100	8	05	29.62	29.82	07	BKN	250	10.00	65	58	61	78	13	20	30.06	30.25
10	OVC	002	0.50	FG	50	50	50	100	3	VR	29.58	29.77	10	BKN	250	10.00	77	59	66	54	14	21	30.03	30.22
13	OVC	001	0.75	RA BR	54	54	54	100	0	00	29.48	29.66	13	SCT	NC	10.00	87	58	69	37	18	23	29.95	30.14
16	OVC	003	1.50	-RA BR	59	59	59	100	8	30	29.34	29.52	16	OVC	250	10.00	86	56	67	36	15	22	29.87	30.05
19	SCT	NC	10.00		51	49	50	92	3	21	29.43	29.62	19	OVC	250	10.00	78	53	63	42	10	20	29.84	30.03
22	BKN	001	0.50	FG	48	48	48	100	6	14	29.48	29.66	22	OVC	250	10.00	76	53	63	45	12	21	29.83	30.02
<b>SUNRISE: 0535 APR 14 SUNSET: 1844</b>																								
01	VV	001	0.25	FG	46	46	46	100	3	02	29.48	29.66	01	BKN	250	10.00	71	52	60	51	7	23	29.82	30.01
04	OVC	001	< .25	FG	47	47	47	100	0	00	29.40	29.58	04	BKN	250	10.00	64	53	58	68	3	29	29.83	30.02
07	OVC	055	4.00	RA BR	50	49	49	96	8	04	29.49	29.67	07	BKN	250	10.00	70	54	61	57	7	30	29.87	30.06
10	OVC	014	10.00		54	49	51	83	0	00	29.51	29.69	10	FEW	NC	10.00	80	56	65	44	0	00	29.89	30.08
13	OVC	018	1.75	RA BR	51	50	51	96	7	34	29.51	29.70	13	SCT	NC	10.00	86	59	69	40	9	27	29.83	30.01
16	OVC	021	10.00		50	45	48	83	13	34	29.54	29.72	16	SCT	NC	10.00	85	56	67	37	7	15	29.77	29.96
19	OVC	048	10.00	-RA	48	44	46	86	13	32	29.60	29.79	19	BKN	150	9.00	78	58	66	50	12	10	29.77	29.96
22	OVC	029	4.00	RA BR	46	44	45	93	9	32	29.67	29.86	22	OVC	095	10.00	70	56	62	61	5	19	29.84	30.03
<b>SUNRISE: 0534 APR 15 SUNSET: 1845</b>																								
01	OVC	055	10.00		49	37	44	64	12	33	29.69	29.88	01	OVC	150	9.00	67	58	62	73	5	09	29.82	30.01
04	CLR	NC	10.00		47	33	41	59	17	33	29.75	29.94	04	BKN	090	5.00	61	60	60	97	12	02	29.81	30.00
07	CLR	NC	10.00		48	32	41	54	17	34	29.84	30.03	07	OVC	080	6.00	63	60	61	90	6	11	29.83	30.02
10	CLR	NC	10.00		56	32	45	40	25	01	29.91	30.10	10	BKN	250	9.00	75	63	67	66	6	VR	29.82	30.01
13	CLR	NC	10.00		62	33	49	34	17	36	29.89	30.08	13	OVC	250	10.00	84	61	69	46	8	15	29.76	29.95
16	CLR	NC	10.00		66	30	49	26	18	01	29.89	30.08	16	OVC	250	10.00	86	57	68	37	21	19	29.72	29.91
19	CLR	NC	10.00		59	30	46	33	12	02	29.94	30.14	19	OVC	200	10.00	78	56	65	47	12	19	29.74	29.93
22	CLR	NC	10.00		49	35	43	59	0	00	30.01	30.20	22	OVC	150	10.00	74	56	63	54	10	19	29.80	29.99
<b>SUNRISE: 0533 APR 16 SUNSET: 1846</b>																								
01	CLR	NC	10.00		43	36	40	76	0	00	30.06	30.25	01	OVC	200	10.00	71	55	62	57	16	20	29.82	30.01
04	CLR	NC	10.00		40	36	38	86	0	00	30.10	30.29	04	SCT	NC	10.00	65	55	59	70	12	20	29.84	30.03
07	SCT	NC	10.00		46	31	40	56	6	01	30.17	30.36	07	OVC	250	10.00	66	57	61	73	13	20	29.88	30.07
10	CLR	NC	10.00		56	28	44	34	0	00	30.18	30.37	10	OVC	250	10.00	77	57	65	50	14	23	29.90	30.09
13	CLR	NC	10.00		62	31	48	31	5	VR	30.13	30.32	13	SCT	NC	10.00	84	56	67	38	16	23	29.87	30.06
16	CLR	NC	10.00		69	33	52	26	5	VR	30.07	30.26	16	BKN	250	10.00	83	56	66	40	18	20	29.83	30.02
19	CLR	NC	10.00		61	39	50	44	7	18	30.07	30.27	19	SCT	NC	10.00	77	56	64	48	9	21	29.84	30.03
22	CLR	NC	10.00		53	40	47	61	5	15	30.12	30.31	22	FEW	NC	10.00	68	58	62	70	8	18	29.87	30.06
<b>SUNRISE: 0531 APR 17 SUNSET: 1847</b>																								
01	CLR	NC	10.00		49	43	46	80	5	16	30.12	30.31	01	BKN	150	10.00	70	61	64	73	14	20	29.87	30.06
04	CLR	NC	10.00		48	44	46	86	7	17	30.09	30.28	04	SCT	NC	10.00	67	61	63	81	14	21	29.85	30.04
07	SCT	NC	10.00		52	47	49	83	9	20	30.14	30.33	07	BKN	250	10.00	67	63	64	87	10	21	29.89	30.08
10	SCT	NC	10.00		70	50	59	49	10	19	30.13	30.32	10	BKN	250	10.00	78	63	68	60	12	23	29.88	30.07
13	SCT	NC	10.00		81	50	63	34	16	23	30.08	30.27	13	SCT	NC	10.00	86	62	70	45	7	20	29.83	30.02
16	BKN	250	10.00		84	49	64	30	17	23	30.01	30.20	16	BKN	250	10.00	85	62	70	46	16	20	29.77	29.96
19	OVC	250	10.00		74	50	60	43	10	20	30.03	30.22	19	BKN	120	5.00	69	69	69	100	5	19	29.81	29.99
22	SCT	NC	10.00		65	49	56	56	9	19	30.08	30.27	22	SCT	NC	5.00	68	66	67	93	6	35	29.85	30.03
<b>SUNRISE: 0530 APR 18 SUNSET: 1848</b>																								
01	FEW	NC	10.00		65	49	56	56	12	19	30.09	30.28	01	BKN	110	6.00	66	65	65	96	0	00	29.87	30.06
04	SCT	NC	10.00		58	51	54	78	8	19	30.08	30.27	04	OVC	045	7.00	65	64	64	97	7	05	29.90	30.09
07	CLR	NC	10.00		61	55	58	81	6	20	30.13	30.32	07	BKN	200	6.00	65	61	63	87	9	01	29.99	30.18
10	BKN	250	10.00		76	53	63	45	6	24	30.15	30.34	10	SCT	NC	7.00	69	59	63	70	9	04	30.04	30.23
13	BKN	250	10.00		86	55	67	35	3	VR	30.11	30.30	13	SCT	NC	10.00	74	55	63	52	5	VR	30.01	30.20
16	BKN	250	10.00		89	55	68	32	9	22	30.05	30.24	16	SCT	NC	10.00	77	53	63	44	0	00	29.98	30.17
19	SCT	NC	10.00		78	59	66	52	10	18	30.06	30.25	19	BKN	250	8.00	70	60	64	71	10	15	30.00	30.19
22	FEW	NC	10.00		74	58	64	57	13	20	30.08	30.27	22	SCT	NC	10.00	61	54	57	78	8	12	30.05	30.24



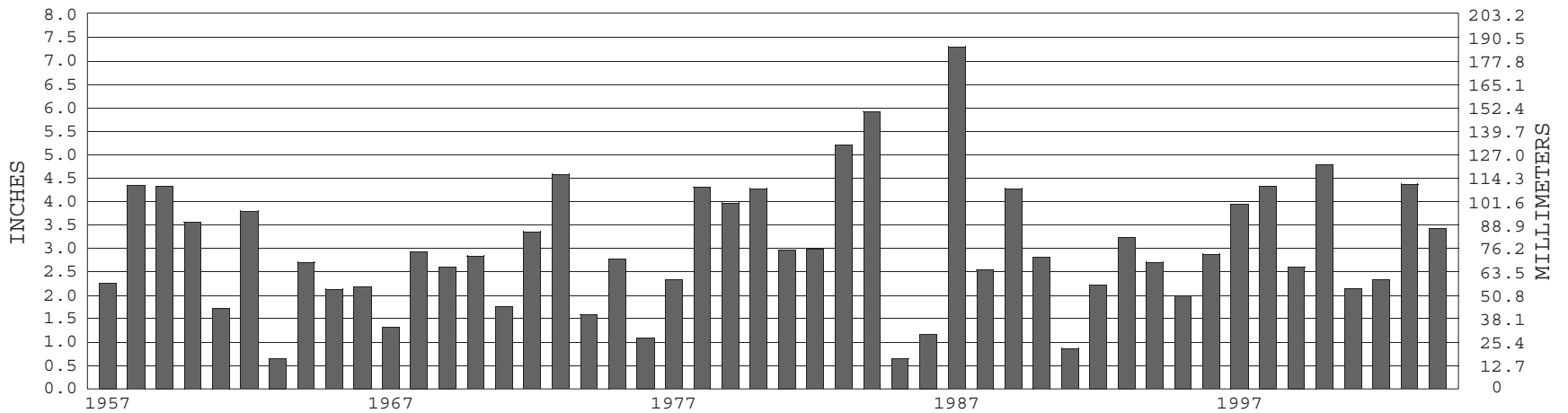
### RICHMOND, VA APRIL TEMPERATURES



+ Extreme Max.      ● Mean Max.      ▲ Mean      × Mean Min.      ◆ Extreme Min.

Long-Term (1957-2004) Mean: 57.8      1971-2000 Normal: 57.1

### RICHMOND, VA APRIL PRECIPITATION



Long-Term (1957-2004) Mean Monthly Total: 3.02

1971-2000 Normal: 3.18



APRIL 2004  
RICHMOND, VA

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

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