



FEBRUARY 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	37	16*	27*	-10	11	22	38	0				0.0	0.00	30.21	30.41	4.7	02	5.2	15	01	13	03	01													
02	43	19	31	-6	19	27	34	0				0.0	0.00	30.26	30.46	3.4	06	4.7	14	12	12	12	02													
03	42	30	36	-1	35	36	29	0	RA BR			0.0	0.64	29.87	30.06	2.4	28	7.6	23	26	21	26	03													
04	48	27	38	1	27	33	27	0	BR			0.0	0.00	30.16	30.36	4.2	36	6.2	16	36	13	36	04													
05	40	24	32	-5	21	29	33	0	RA BR			0.0	0.01	30.35	30.55	3.8	07	4.6	17	10	14	11	05													
06	40	31	36	-1	35	35	29	0	RA FG BR UP			0.0	1.14	29.83	30.02	3.3	36	4.9	17	29	16	29	06													
07	50	35	43	6	30	38	22	0	RA FG+ BR			0.0	T	29.63	29.82	11.4	30	11.7	26	31	22	28	07													
08	42	26	34	-4	13	27	31	0				0.0	0.00	30.25	30.45	4.8	33	8.2	23	34	18	34	08													
09	50	26	38	0	25	34	27	0	RA			0.0	T	30.23	30.42	10.6	20	10.9	25	21	21	21	09													
10	54	37	46	7	33	39	19	0				0.0	0.00	29.90	30.10	7.1	24	7.5	22	25	18	25	10													
11	50	34	42	3	23	35	23	0				0.0	0.00	29.99	30.18	3.7	28	6.2	15	28	13	29	11													
12	40	32	36	-3	34	36	29	0	RA BR			0.0	0.02	30.03	30.22	3.3	17	5.8	14	18	13	17	12													
13	55	27	41	2	27	36	24	0	FG+ FZFG BR			0.0	0.00	29.94	30.14	5.6	26	7.2	18	30	16	31	13													
14	52	39	46	7	23	37	19	0				0.0	0.00	29.83	30.02	6.6	24	6.8	15	25	13	25	14													
15	43	25	34	-6	23	31	31	0	SN FZFG BR			0.4	0.01	29.92	30.11	10.8	04	11.3	25	02	21	02	15													
16	36	21	29	-11	9	22	36	0				0.0	0.00	30.30	30.50	8.7	03	9.8	28	04	21	03	16													
17	35	22	29	-11	25	28	36	0	SN BR			1.0	0.05	30.29	30.49	7.0	02	7.3	15	36	13	01	17													
18	49	27	38	-2	21	31	27	0				0.0	0.00	30.00	30.19	9.7	35	10.4	29	33	24	32	18													
19	59	26	43	3	25	38	22	0				0.0	0.00	29.81	30.00	6.9	25	7.6	23	27	20	27	19													
20	70	29	50	9	34	43	15	0				0.0	0.00	29.62	29.81	8.0	20	8.8	31	19	24	22	20													
21	61	43	52*	11	38	47	13	0				0.0	0.00	29.53	29.72	13.5	27	15.7	36*	28	28*	29	21													
22	52	27	40	-1	27	35	25	0				0.0	0.00	29.97	30.16	4.9	35	5.9	20	32	16	32	22													
23	49	28	39	-3	27	34	26	0				0.0	0.00	30.05	30.25	1.0	10	4.1	14	05	12	05	23													
24	50	35	43	1	36	39	22	0	RA BR			0.0	T	29.84	30.03	3.5	03	7.4	25	02	20	01	24													
25	47	28	38	-4	22	32	27	0				0.0	0.00	30.00	30.19	11.5	02	11.7	32	01	26	01	25													
26	38	27	33	-9	20	29	32	0				0.0	0.00	30.09	30.29	10.1	03	10.3	20	02	16	02	26													
27	51	33	42	-1	21	33	23	0				0.0	0.00	30.06	30.25	12.1	03	12.4	28	01	23	01	27													
28	58	30	44	1	20	34	21	0				0.0	0.00	30.19	30.38	5.5	36	6.2	21	01	17	01	28													
29	70*	28	49	6	27	40	16	0				0.0	0.00	30.14	30.33	5.8	22	6.4	20	24	16	27	29													
										48.7		28.7	38.7	■ ■	25.2	33.8	26.1	0.0	< MONTHLY AVERAGES		TOTALS-->		1.4	1.87	30.01	30.20	2.5	34	8.0	<- MONTHLY AVERAGES						
										-.6		-1.0	-.8	■ ■	<-----DEPARTURE FROM NORMAL----->										-1.11		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.14 DATE :06				SEA LEVEL PRESSURE				DATE				TIME														
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 1.0 DATE :17				MAXIMUM				: 30.65				05 0954														
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:				MINIMUM				: 29.58				21 0354														
HEATING: 756 29 3079 8										NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 22				PRECIPITATION ≥ 0.01 INCH : 6														
COOLING: 0 -1 0 -1														MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 2														
														THUNDERSTORMS : 0				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH : 1														

FEBRUARY 2004
RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

FEBRUARY 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													01												01			0.00	
02													02												02			0.00	
03						T	T	0.11	0.16	0.22	0.15	T	03												03			0.64	
04													04												04			0.00	
05													05										0.01		05			0.01	
06	0.02	T	0.01		T	T						T	06	T	0.02	0.07	0.06	0.20	0.22	0.20	0.02	0.17	0.10	0.04	0.01	06		1.14	
07	T	T			T	T							07												07			T	
08													08												08			0.00	
09													09			T	T			T					09			T	
10													10												10			0.00	
11													11												11			0.00	
12											T	0.02	12	T	T										12			0.02	
13													13												13			0.00	
14													14												14			0.00	
15													15							T	0.01	T	T	T	15			0.01	
16													16												16			0.00	
17												T	17	T	0.01	0.01	0.02	T	0.01	T	T	T	T	17			0.05		
18													18												18			0.00	
19													19												19			0.00	
20													20												20			0.00	
21													21												21			0.00	
22													22												22			0.00	
23													23												23			0.00	
24													24					T	T	T					24			T	
25													25												25			0.00	
26													26												26			0.00	
27													27												27			0.00	
28													28												28			0.00	
29													29												29			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)	.08	.10	.12	.14	.22	.26	.31	.36	.42	.47	.57	.64
Ending Date	06	06	06	06	06	06	06	06	06	06	06	06
Ending Time (Hour/Min)	1746	2027	1756	2037	1807	1825	1825	1807	1825	1807	1825	1846

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 FEBRUARY 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							10.00	10.00	
02							9.00	10.00	
03							1.00	10.00	
04							6.00	10.00	
05							6.00	10.00	
06							.50	5.00	
07							.25	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							3.00	10.00	
13							.50	10.00	
14							10.00	10.00	
15							.50	10.00	
16							10.00	10.00	
17							.75	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							6.00	10.00	
25							7.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
MONTHLY AVGS							7.29	9.79	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 29									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 1 7 19									

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

FEBRUARY 2004

RIC

WBAN # 13740

HOUR (LST)	SATellite		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATellite		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0713				FEB 01				SUNSET: 1733				SUNRISE: 0708				FEB 07				SUNSET: 1739									
01	CLR	NC			10.00	18	8	15	65	0	00	30.11	30.31	01	OVC	002			1.25	-RA	BR	39	39	39	100	13	31	29.48	29.66
04	CLR	NC			10.00	19	8	16	62	8	02	30.13	30.32	04	OVC	001			1.50	BR		39	39	39	100	8	31	29.46	29.65
07	SCT	NC			10.00	16	8	14	71	6	01	30.17	30.37	07	OVC	002			1.50	BR		38	38	38	100	0	00	29.54	29.73
10	FEW	NC			10.00	25	9	21	50	8	02	30.24	30.44	10	CLR	NC			10.00			47	36	42	66	18	29	29.59	29.79
13	FEW	NC			10.00	33	14	27	45	8	01	30.22	30.42	13	SCT	NC			10.00			50	31	42	48	15	30	29.60	29.80
16	FEW	NC			10.00	36	15	29	42	5	VR	30.21	30.41	16	SCT	NC			10.00			49	24	39	38	14	30	29.62	29.81
19	CLR	NC			10.00	30	14	25	51	5	02	30.24	30.44	19	OVC	065			10.00			42	22	35	45	15	30	29.73	29.93
22	CLR	NC			10.00	25	15	22	66	0	00	30.28	30.48	22	OVC	080			10.00			38	19	31	47	14	31	29.82	30.02
SUNRISE: 0712				FEB 02				SUNSET: 1734				SUNRISE: 0707				FEB 08				SUNSET: 1740									
01	FEW	NC			10.00	23	12	20	63	5	36	30.28	30.48	01	FEW	NC			10.00			34	16	28	48	13	31	29.90	30.09
04	CLR	NC			9.00	20	12	18	71	6	01	30.28	30.48	04	CLR	NC			10.00			29	18	25	64	8	31	30.03	30.22
07	CLR	NC			10.00	19	11	17	71	6	35	30.30	30.50	07	CLR	NC			10.00			27	16	24	63	7	33	30.18	30.38
10	FEW	NC			10.00	31	19	27	61	6	08	30.34	30.54	10	CLR	NC			10.00			35	13	28	40	13	35	30.31	30.50
13	FEW	NC			10.00	39	18	32	43	6	10	30.29	30.49	13	CLR	NC			10.00			39	11	30	31	12	34	30.32	30.52
16	BKN	200			10.00	42	20	34	41	6	10	30.23	30.43	16	CLR	NC			10.00			41	7	31	24	7	29	30.33	30.53
19	BKN	200			10.00	35	25	31	67	8	10	30.20	30.40	19	CLR	NC			10.00			34	11	27	38	5	13	30.36	30.56
22	SCT	NC			10.00	32	28	31	85	5	08	30.15	30.35	22	CLR	NC			10.00			29	14	24	54	6	15	30.37	30.57
SUNRISE: 0711				FEB 03				SUNSET: 1735				SUNRISE: 0706				FEB 09				SUNSET: 1742									
01	OVC	150			10.00	30	28	29	92	7	05	30.07	30.27	01	CLR	NC			10.00			28	14	24	56	8	18	30.37	30.57
04	OVC	048			9.00	32	31	32	96	9	05	30.00	30.19	04	FEW	NC			10.00			27	15	23	61	9	18	30.34	30.54
07	OVC	005			5.00	36	36	36	100	8	03	29.86	30.06	07	BKN	250			10.00			30	17	26	59	10	20	30.34	30.54
10	OVC	003			2.00	36	36	36	100	9	33	29.82	30.01	10	OVC	250			10.00			42	24	35	49	12	20	30.30	30.50
13	OVC	004			4.00	38	38	38	100	12	27	29.75	29.95	13	OVC	048			10.00			49	28	40	45	17	21	30.19	30.38
16	FEW	NC			10.00	42	39	41	89	10	24	29.76	29.95	16	OVC	035			10.00	-RA		48	29	40	48	17	23	30.15	30.35
19	CLR	NC			9.00	35	34	35	96	6	20	29.82	30.01	19	OVC	023			10.00			45	33	40	63	13	19	30.12	30.32
22	CLR	NC			10.00	36	35	36	97	6	21	29.87	30.07	22	OVC	020			10.00			43	35	40	74	7	20	30.08	30.28
SUNRISE: 0710				FEB 04				SUNSET: 1736				SUNRISE: 0705				FEB 10				SUNSET: 1743									
01	CLR	NC			10.00	36	34	35	93	8	26	29.94	30.14	01	OVC	250			10.00			40	33	37	77	7	20	30.02	30.22
04	CLR	NC			10.00	33	30	32	89	5	25	29.99	30.19	04	OVC	250			10.00			40	31	36	70	7	25	29.97	30.17
07	FEW	NC			7.00	27	26	27	96	0	00	30.07	30.27	07	OVC	250			10.00			38	30	35	73	6	26	29.95	30.14
10	SCT	NC			10.00	40	32	37	73	8	35	30.16	30.36	10	OVC	180			10.00			43	32	38	65	6	26	29.96	30.16
13	SCT	NC			10.00	47	29	40	50	12	33	30.17	30.37	13	OVC	150			10.00			50	33	43	52	8	24	29.89	30.09
16	FEW	NC			10.00	48	26	39	42	10	36	30.18	30.38	16	BKN	250			10.00			53	33	44	47	14	24	29.82	30.01
19	SCT	NC			10.00	38	22	32	53	6	05	30.28	30.47	19	BKN	060			10.00			45	36	41	71	7	22	29.80	30.00
22	CLR	NC			10.00	33	19	28	56	5	01	30.33	30.53	22	SCT	NC			10.00			45	35	41	68	8	26	29.83	30.03
SUNRISE: 0710				FEB 05				SUNSET: 1737				SUNRISE: 0704				FEB 11				SUNSET: 1744									
01	CLR	NC			10.00	28	20	25	72	0	00	30.34	30.54	01	SCT	NC			10.00			43	30	38	60	8	30	29.85	30.04
04	CLR	NC			8.00	24	19	23	81	0	00	30.34	30.54	04	OVC	180			10.00			39	25	34	57	6	30	29.88	30.08
07	CLR	NC			10.00	27	17	24	66	5	05	30.38	30.58	07	OVC	200			10.00			38	25	33	60	7	26	29.93	30.13
10	OVC	180			10.00	32	20	28	61	5	05	30.45	30.65	10	OVC	200			10.00			44	23	36	43	9	29	30.00	30.20
13	OVC	200			10.00	38	20	32	48	3	VR	30.41	30.61	13	OVC	250			10.00			48	18	37	30	8	28	30.00	30.19
16	OVC	180			10.00	40	19	33	43	6	06	30.36	30.56	16	OVC	250			10.00			49	18	37	29	8	30	30.00	30.19
19	OVC	080			10.00	38	22	32	53	8	09	30.29	30.49	19	OVC	200			10.00			41	22	34	47	0	00	30.05	30.24
22	OVC	065			10.00	36	23	31	59	5	03	30.27	30.47	22	BKN	200			10.00			35	27	32	72	7	13	30.07	30.26
SUNRISE: 0709				FEB 06				SUNSET: 1738				SUNRISE: 0702				FEB 12				SUNSET: 1745									
01	OVC	025			4.00	32	30	31	92	8	05	30.19	30.39	01	OVC	150			10.00			35	28	32	76	6	12	30.08	30.27
04	OVC	003			2.00	33	33	33	100	6	34	30.08	30.27	04	OVC	150			10.00			36	30	34	79	6	11	30.05	30.25
07	OVC	003			2.00	34	34	34	100	5	36	29.97	30.17	07	OVC	065			10.00			35	31	33	85	9	13	30.05	30.25
10	OVC	002			0.75	34	34	34	100	7	36	29.93	30.13	10	OVC	040			10.00			38	32	36	79	6	15	30.05	30.25
13	OVC	002			0.75	34	34	34	100	6	02	29.81	30.01	13	OVC	009			10.00	-RA		38	38	38	100	6	20	30.02	30.22
16	OVC	003			2.00	36	36	36	100	6	11	29.68	29.88	16	OVC	055			10.00			40	37	39	89	7	28	29.99	30.19
19	OVC	028			2.00	38	38	38	100	0	00	29.64	29.84	19	OVC	130			10.00			37	36	37	96	6	20	29.98	30.18
22	OVC	002			1.75	40	40	40	100	3	30	29.54	29.72	22	SCT	NC			6.00	BR		34	34	34	100	5	21	29.99	30.19

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

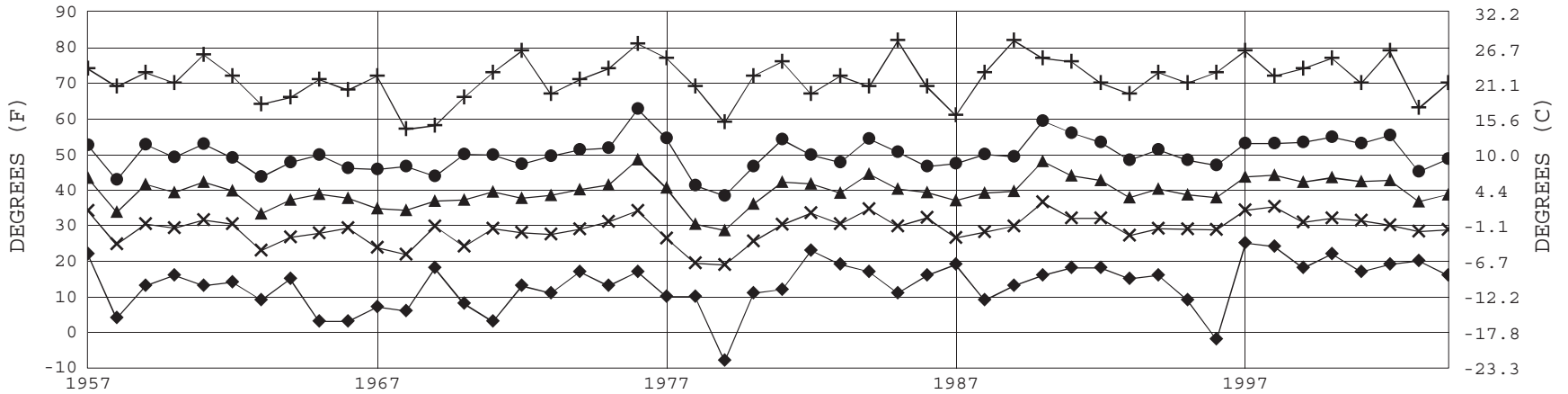
FEBRUARY 2004

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		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	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	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0701				FEB 13				SUNSET: 1746				SUNRISE: 0654				FEB 19				SUNSET: 1752									
01	CLR	NC		0.50	FZFG	30	30	30	100	3	21	29.96	30.16	01	SCT	NC		10.00		28	16	24	61	3	21	29.87	30.06		
04	CLR	NC		1.25	BR	30	30	30	100	3	20	29.93	30.13	04	OVC	110		10.00		38	15	30	39	9	27	29.84	30.04		
07	FEW	NC		6.00	BR	31	31	31	100	5	25	29.96	30.16	07	SCT	NC		10.00		39	18	32	43	7	25	29.84	30.03		
10	CLR	NC		10.00		46	34	41	63	9	31	29.99	30.19	10	FEW	NC		10.00		51	21	39	31	14	27	29.83	30.03		
13	FEW	NC		10.00		52	25	41	35	12	28	29.95	30.14	13	BKN	180		10.00		55	25	42	31	14	24	29.78	29.97		
16	FEW	NC		10.00		54	22	41	29	6	28	29.91	30.11	16	FEW	NC		10.00		59	31	46	35	12	24	29.76	29.95		
19	BKN	250		10.00		42	24	35	49	7	22	29.93	30.12	19	BKN	250		10.00		47	32	41	56	5	18	29.77	29.97		
22	SCT	NC		10.00		38	23	32	55	8	21	29.91	30.10	22	FEW	NC		10.00		43	31	38	63	5	16	29.78	29.97		
SUNRISE: 0700				FEB 14				SUNSET: 1747				SUNRISE: 0653				FEB 20				SUNSET: 1753									
01	BKN	250		10.00		41	23	34	49	0	00	29.90	30.09	01	CLR	NC		10.00		35	30	33	82	5	12	29.77	29.96		
04	BKN	250		10.00		42	24	35	49	7	25	29.86	30.05	04	CLR	NC		10.00		34	30	32	85	0	00	29.76	29.96		
07	OVC	250		10.00		43	25	36	49	9	25	29.86	30.06	07	BKN	250		10.00		30	29	30	96	0	00	29.77	29.97		
10	OVC	180		10.00		48	22	38	36	7	26	29.87	30.06	10	BKN	250		10.00		50	32	42	50	3	VR	29.73	29.92		
13	OVC	160		10.00		52	19	39	27	10	26	29.82	30.01	13	SCT	NC		10.00		67	36	52	32	15	17	29.59	29.78		
16	OVC	150		10.00		51	21	39	31	9	23	29.79	29.99	16	BKN	250		10.00		69	32	51	25	18	21	29.50	29.69		
19	OVC	130		10.00		45	25	37	46	6	21	29.78	29.98	19	OVC	200		10.00		59	36	48	42	12	20	29.48	29.67		
22	OVC	140		10.00		44	24	36	45	6	23	29.77	29.97	22	OVC	200		10.00		58	40	49	51	15	22	29.47	29.65		
SUNRISE: 0659				FEB 15				SUNSET: 1748				SUNRISE: 0652				FEB 21				SUNSET: 1754									
01	SCT	NC		10.00		35	27	32	72	3	18	29.76	29.96	01	BKN	200		10.00		55	45	50	69	10	21	29.43	29.62		
04	BKN	150		10.00		37	25	33	62	7	03	29.80	29.99	04	BKN	200		10.00		56	48	52	75	18	22	29.40	29.58		
07	BKN	150		10.00		36	20	30	52	10	04	29.85	30.04	07	OVC	070		10.00		57	51	54	81	12	24	29.42	29.61		
10	BKN	150		10.00		40	22	33	49	17	03	29.94	30.13	10	FEW	NC		10.00		60	39	50	46	26	29	29.46	29.65		
13	OVC	110		10.00		41	23	34	49	13	04	29.93	30.13	13	FEW	NC		10.00		59	29	46	32	20	30	29.50	29.69		
16	OVC	100		10.00		39	22	33	50	15	05	29.90	30.10	16	FEW	NC		10.00		55	31	44	40	17	28	29.55	29.74		
19	OVC	055		10.00		35	23	31	61	12	04	30.00	30.20	19	CLR	NC		10.00		51	32	43	48	9	26	29.65	29.84		
22	OVC	026		2.00	-SN BR	29	25	28	85	7	06	30.06	30.26	22	CLR	NC		10.00		46	28	39	50	18	29	29.74	29.93		
SUNRISE: 0658				FEB 16				SUNSET: 1749				SUNRISE: 0651				FEB 22				SUNSET: 1755									
01	OVC	080		10.00		28	15	24	58	17	03	30.08	30.28	01	CLR	NC		10.00		41	26	35	55	7	29	29.80	29.99		
04	BKN	250		10.00		26	10	22	51	14	02	30.16	30.36	04	CLR	NC		10.00		31	26	29	82	0	00	29.85	30.04		
07	CLR	NC		10.00		21	7	17	54	14	01	30.24	30.44	07	FEW	NC		10.00		30	26	29	85	0	00	29.94	30.14		
10	CLR	NC		10.00		26	7	21	44	16	03	30.34	30.54	10	BKN	250		10.00		43	26	36	51	12	36	30.01	30.21		
13	CLR	NC		10.00		32	9	25	38	9	05	30.34	30.54	13	SCT	NC		10.00		49	27	40	43	14	32	29.99	30.19		
16	CLR	NC		10.00		35	7	27	31	8	06	30.33	30.53	16	SCT	NC		10.00		51	27	41	39	12	36	29.96	30.15		
19	CLR	NC		10.00		30	6	23	36	5	08	30.38	30.58	19	SCT	NC		10.00		44	25	37	47	6	36	30.01	30.20		
22	CLR	NC		10.00		25	8	20	48	7	10	30.41	30.61	22	FEW	NC		10.00		37	25	33	62	5	04	30.06	30.25		
SUNRISE: 0657				FEB 17				SUNSET: 1750				SUNRISE: 0649				FEB 23				SUNSET: 1756									
01	BKN	250		10.00		22	12	19	66	3	06	30.40	30.60	01	FEW	NC		10.00		34	25	31	70	3	02	30.08	30.28		
04	OVC	250		10.00		25	14	22	63	7	04	30.36	30.55	04	CLR	NC		10.00		30	25	28	82	3	34	30.09	30.28		
07	OVC	029		10.00		27	19	24	72	6	04	30.37	30.57	07	SCT	NC		10.00		30	25	28	82	5	34	30.11	30.31		
10	OVC	028		10.00		32	22	29	66	7	06	30.36	30.56	10	OVC	250		10.00		41	25	35	53	9	05	30.13	30.33		
13	OVC	022		7.00	-SN	34	28	32	79	8	02	30.30	30.50	13	OVC	200		10.00		46	25	38	44	0	00	30.06	30.26		
16	OVC	006		1.25	-SN BR	32	32	32	100	7	02	30.22	30.42	16	OVC	200		10.00		49	28	40	45	3	21	30.01	30.21		
19	OVC	033		9.00		32	32	32	100	7	36	30.21	30.40	19	OVC	200		10.00		42	28	36	58	6	14	29.99	30.19		
22	OVC	038		5.00	-SN BR	32	32	32	100	9	36	30.16	30.36	22	OVC	200		10.00		39	30	35	70	5	13	29.98	30.17		
SUNRISE: 0656				FEB 18				SUNSET: 1751				SUNRISE: 0648				FEB 24				SUNSET: 1757									
01	BKN	055		10.00		31	29	30	92	8	35	30.13	30.32	01	OVC	150		10.00		38	34	36	86	7	14	29.94	30.14		
04	BKN	250		10.00		30	26	29	85	10	35	30.06	30.26	04	OVC	120		10.00		39	35	37	86	5	15	29.88	30.07		
07	FEW	NC		10.00		27	22	25	81	8	35	30.06	30.26	07	OVC	085		10.00		40	34	37	79	6	15	29.85	30.04		
10	CLR	NC		10.00		35	25	31	67	16	36	30.05	30.25	10	OVC	075		10.00		43	35	40	74	3	13	29.84	30.03		
13	CLR	NC		10.00		46	20	36	35	15	33	29.98	30.17	13	OVC	150		8.00		47	35	42	63	0	00	29.79	29.98		
16	FEW	NC		10.00		48	17	37	29	18	33	29.93	30.12	16	OVC	065		8.00		50	38	44	63	7	34	29.75	29.95		
19	SCT	NC		10.00		38	15	30	39	8	35	29.93	30.13	19	OVC	037		10.00		42	40	41	92	15	01	29.80	29.99		
22	CLR	NC		10.00		36	13	29	39	5	35	29.92	30.12	22	CLR	NC		8.00		37	35	36	93	15	01	29.88	30.07		

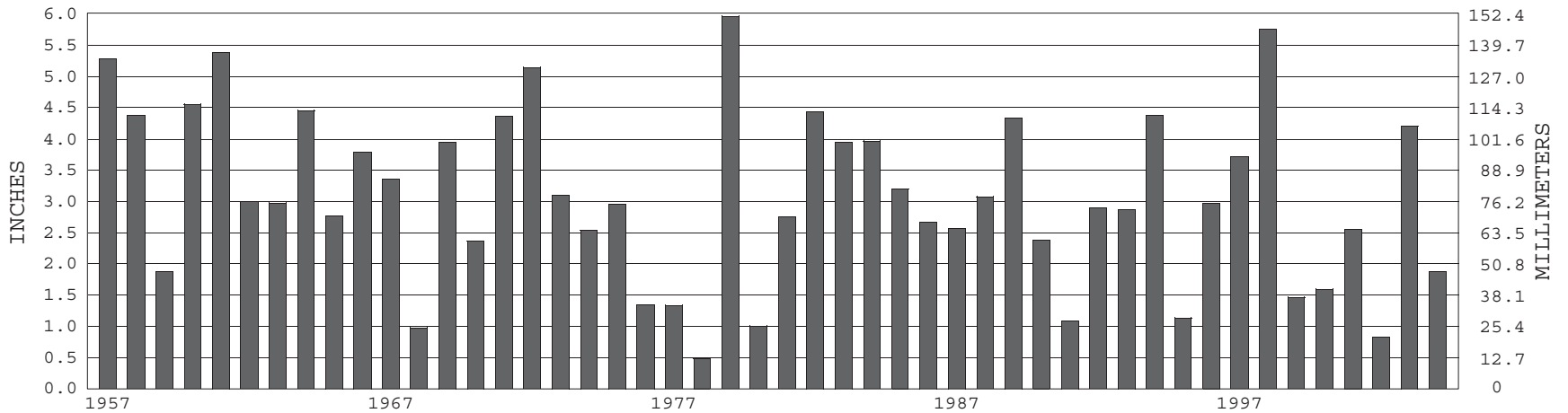
RICHMOND, VA FEBRUARY TEMPERATURES



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

Long-Term (1957-2004) Mean: 39.5 1971-2000 Normal: 39.5

RICHMOND, VA FEBRUARY PRECIPITATION



Long-Term (1957-2004) Mean Monthly Total: 3.09

1971-2000 Normal: 2.98



FEBRUARY 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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