



# MARCH 1998

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# RICHMOND, VA

R.E.BYRD INTERNATIONAL AP. (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	62	49	56	13	47	50	9	0	RA BR				T	29.56	29.77	3.8	05	5.6	16	01	14	36	01	
02	55	41	48	5	45	46	17	0	TSRA RA BR				0.24	29.44	29.64	5.6	36	6.9	21	32	17	36	02	
03	50	34	42	-2	28	37	23	0	BR				0.00	29.48	29.68	8.2	30	8.8	24	34	21	34	03	
04	50	29	40	-4	25	35	25	0					0.00	29.71	29.91	5.7	27	6.4	22	26	17	26	04	
05	52	34	43	-1	31	38	22	0	RA				T	29.86	30.07	3.7	36	5.0	17	32	15	33	05	
06	53	30	42	-3	31	38	23	0	RA DZ				T	30.01	30.22	3.2	14	5.6	15	15	13	15	06	
07	51	43	47	2	43	45	18	0	RA FG BR				0.13	29.94	30.14	3.6	08	5.9	11	36	10	04	07	
08	65	47	56	11	53	53	9	0	RA DZ FG BR				0.83	29.71	29.91	6.3	11	8.2	20	14	17	14	08	
09	74	50	62	16	54	58	3	0	TSRA RA DZ FG BR				1.81	29.29	29.49	15.2	21	18.1	41	22	36*	22	09	
10	49	30	40	-6	20	34	25	0					0.00	29.71	29.91	13.4	31	15.8	28	01	23	24	10	
11	38	25	32	-14	10	25	33	0	SN				T	30.08	30.29	10.8	34	11.6	23	33	20	34	11	
12	40	21	31*	-16	5	23	34	0	SN				T	30.21	30.42	10.0	33	10.6	28	30	22	29	12	
13	44	19*	32	-15	13	27	33	0					0.00	30.21	30.42	4.7	20	6.2	21	21	18	21	13	
14	65	35	50	3	21	38	15	0					0.00	29.87	30.07	9.5	25	15.4	41*	26	32	24	14	
15	51	27	39	-9	18	32	26	0					0.00	30.10	30.30	5.2	36	6.1	20	33	15	30	15	
16	41	33	37	-11	23	32	28	0					0.00	30.29	30.49	2.9	05	4.2	14	01	10	01	16	
17	44	31	38	-10	30	35	27	0	RA BR				0.26	30.29	30.50	6.1	09	6.7	16	13	14	12	17	
18	47	38	43	-6	42	42	22	0	RA FG BR				0.99	30.01	30.22	3.5	02	4.6	14	06	10	32	18	
19	61	45	53	4	51	52	12	0	RA DZ FG+ BR				1.64	29.68	29.88	2.2	02	4.5	20	30	16	31	19	
20	54	44	49	0	49	49	16	0	TSRA RA DZ FG+ BR				0.58	29.51	29.71	8.3	09	9.4	23	26	21	27	20	
21	45	38	42	-8	41	42	23	0	TSRA RA DZ BR				0.24	29.27	29.48	9.7	36	10.8	23	04	18	05	21	
22	49	36	43	-7	33	39	22	0					0.00	29.54	29.74	6.5	29	8.1	20	31	15	26	22	
23	53	33	43	-7	27	37	22	0					0.00	29.83	30.04	3.4	29	4.9	21	24	15	25	23	
24	57	30	44	-7	31	38	21	0	RA				T	30.02	30.23	2.0	32	6.5	24	01	20	01	24	
25	56	31	44	-7	32	39	21	0					0.00	30.33	30.54	3.5	13	7.2	21	14	16	15	25	
26	73	42	58	7	45	52	7	0					0.00	30.21	30.41	13.0	21	13.3	28	22	23	21	26	
27	83	56	70	18	53	60	0	5					0.00	30.00	30.20	11.9	21	12.9	22	20	18	19	27	
28	79	57	68	16	53	59	0	3					0.00	29.87	30.07	15.0	21	15.3	34	19	26	20	28	
29	86	60	73	21	54	61	0	8					0.00	29.80	30.00	8.0	23	9.2	20	23	15	23	29	
30	88*	58	73	20	54	62	0	8					0.00	29.79	29.99	9.8	21	10.1	25	22	22	21	30	
31	83	62	73*	20	57	63	0	8					0.00	29.76	29.96	13.6	21	14.2	30	21	26	21	31	

58.0	39.0	48.5	■ ■	36.1	43.3	17.3	1.0	< MONTHLY AVERAGES	TOTALS-->	6.72	29.85	30.06	1.8	24	9.0	<-- MONTHLY AVERAGES							
------	------	------	-----	------	------	------	-----	--------------------	-----------	------	-------	-------	-----	----	-----	----------------------	--	--	--	--	--	--	--

-1.5	2.7	0.5	■ ■	<----- DEPARTURE FROM NORMAL ----->										3.11	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
------	-----	-----	-----	-------------------------------------	--	--	--	--	--	--	--	--	--	------	--	--	--	--	--	--	--	--	--	--

<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION: 2.53 DATE: 08-09				SEA LEVEL PRESSURE DATE TIME			
MONTHLY TOTAL DEPARTURE				SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL: DATE: DATE:				MAXIMUM : 30.61 25 1133			
HEATING: 536 9 3362 -299				COOLING: 32 32 34 34				GREATEST SNOW DEPTH: DATE: DATE:				MINIMUM : 29.33 09 1516			
NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 10				PRECIPITATION ≥ 0.01 INCH : 9			
				MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 9			
				THUNDERSTORMS : 4				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH :			

MARCH 1998 RICHMOND, VA

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## RICHMOND, VA

MARCH 1998

RIC

WBAN # 13740

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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	T											01			T	
02													02	0.09	0.05					T	0.01	0.01	0.01	T	02			0.24	
03											0.07		03												03			0.00	
04													04												04			0.00	
05					T								05			T									05			T	
06													06												06			T	
07		T	T										07	0.06	0.03	T	0.01	0.01	0.02			T	T	T	07			0.13	
08	T			0.02	0.03	0.04	0.03	0.05	0.09	0.06	0.06	0.12	08	0.12	0.09	0.02	T	T	0.07			T	T	08			0.83		
09	0.01	0.06	0.30	1.07	0.29	0.05	0.03		T	T	T	T	09									T	0.01	0.02	09			1.81	
10													10												10			0.00	
11													11												11			T	
12	T												12												12			T	
13													13												13			0.00	
14													14												14			0.00	
15													15												15			0.00	
16													16												16			0.00	
17													17								T	0.05	0.03	0.06	17			0.26	
18	0.11	0.18	0.09	0.15	0.18	0.01	0.01	0.11	0.01	0.03	0.03	T	18		T	0.01	T	0.01	0.04	0.01	T	T	0.01	18			0.99		
19	0.02	0.08	0.11	0.30	0.34	0.31	0.12	0.11	0.13	0.09	0.03	T	19										T	0.06	19			1.64	
20	T	T			0.01								20	T	0.03	T	0.01	0.01	T			T	T	0.26	20	0.57	0.58		
21	0.08												21	T	T	T	T	T	0.02	0.06	0.07	0.02	T	T	21	0.25	0.24		
22													22												22			0.00	
23													23												23			0.00	
24													24			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	
30													30												30			0.00	
31													31												31			0.00	

### MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

Date and time are not entered for TRACE amounts.

Note 1: NCDC derives these data from one-minute ASOS values. The table is not printed when inconsistent with ASOS hourly totals.

Note 2: 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.



# OBSERVATIONS AT 3-HOURLY INTERVALS

# RICHMOND, VA

MARCH 1998

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
				SUNRISE: 0623		MAR 01		SUNSET: 1744						SUNRISE: 0614		MAR 07		SUNSET: 1750									
01	SCT	NC		9.00		52	50	51	93	0	00	29.56	29.76	01	OVC	034		9.00	44	41	43	89	8	17	30.00	30.20	
04	OVC	050		6.00	BR	52	51	52	97	3	35	29.57	29.78	04	OVC	028		7.00	43	41	42	93	7	14	29.97	30.18	
07	BKN	080		5.00	BR	49	47	48	93	7	07	29.54	29.75	07	OVC	020		10.00	44	41	43	89	3	11	29.98	30.19	
10	BKN	130		10.00		55	44	50	67	6	09	29.60	29.80	10	OVC	022		10.00	48	42	45	80	5	05	29.99	30.20	
13	OVC	060		10.00		60	46	53	60	12	35	29.55	29.75	13	OVC	018		3.00	-RA	49	46	47	90	6	06	29.94	30.15
16	BKN	070		10.00		59	47	53	64	10	01	29.52	29.72	16	OVC	005		2.00	-RA	48	48	48	100	7	07	29.89	30.09
19	BKN	055		10.00		54	46	50	75	7	06	29.56	29.76	19	OVC	004		2.00	BR	47	47	47	100	6	06	29.89	30.10
22	BKN	070		10.00		51	46	49	83	0	00	29.57	29.78	22	OVC	002		0.50	FG	47	32	41	56	7	03	29.87	30.08
				SUNRISE: 0621		MAR 02		SUNSET: 1745						SUNRISE: 0613		MAR 08		SUNSET: 1751									
01	BKN	075		7.00		48	46	47	93	3	08	29.54	29.74	01	OVC	002		0.25	FG	47	47	47	100	6	03	29.85	30.05
04	BKN	110		5.00	BR	45	44	45	97	0	00	29.50	29.70	04	OVC	001		0.25	-RA	47	47	47	100	5	04	29.83	30.03
07	BKN	110		2.50	BR	45	44	45	97	7	03	29.49	29.69	07	OVC	001		1.75	-RA	47	46	46	97	7	08	29.82	30.02
10	OVC	027		5.00	BR	50	48	49	93	10	01	29.46	29.66	10	OVC	003		3.00	-RA	51	49	50	92	9	10	29.79	29.99
13	OVC	100		2.50	-TSRA BR	48	46	47	93	6	32	29.41	29.62	13	OVC	003		3.00	RA	53	52	52	96	13	12	29.71	29.91
16	OVC	013		10.00		49	46	47	90	10	35	29.36	29.57	16	OVC	004		10.00		58	57	57	97	10	14	29.62	29.82
19	OVC	039		10.00	-RA	46	45	46	96	8	32	29.38	29.58	19	OVC	020		2.00	BR	60	60	60	100	0	00	29.59	29.79
22	OVC	050		10.00		45	42	44	90	9	33	29.39	29.59	22	OVC	040		2.00	-RA	60	60	60	100	8	15	29.57	29.77
				SUNRISE: 0620		MAR 03		SUNSET: 1746						SUNRISE: 0611		MAR 09		SUNSET: 1752									
01	OVC	015		10.00		42	38	40	85	9	33	29.39	29.60	01	BKN	022		9.00	-RA	65	63	64	93	14	16	29.50	29.70
04	SCT	NC		10.00		38	36	37	93	0	00	29.38	29.59	04	OVC	018		5.00	RA	65	64	64	97	14	14	29.31	29.51
07	CLR	NC		5.00	BR	36	35	36	97	7	26	29.41	29.62	07	OVC	008		10.00		62	61	61	96	15	16	29.29	29.49
10	SCT	NC		10.00		46	28	39	50	13	30	29.44	29.65	10	OVC	015		9.00	DZ	64	61	62	90	17	19	29.29	29.49
13	OVC	060		10.00		50	28	41	43	15	30	29.45	29.66	13	BKN	045		10.00		70	60	64	71	13	22	29.21	29.41
16	OVC	100		10.00		48	23	38	37	15	26	29.47	29.67	16	SCT	NC		10.00		73	51	60	46	24	24	29.14	29.34
19	OVC	095		10.00		45	21	36	39	12	32	29.56	29.76	19	OVC	075		10.00		62	42	52	48	23	24	29.26	29.46
22	FEW	NC		10.00		41	22	34	47	6	29	29.62	29.82	22	OVC	060		10.00		55	38	47	53	18	24	29.35	29.55
				SUNRISE: 0619		MAR 04		SUNSET: 1747						SUNRISE: 0610		MAR 10		SUNSET: 1753									
01	FEW	NC		10.00		37	24	32	60	5	30	29.64	29.85	01	CLR	NC		10.00		48	33	41	56	17	26	29.42	29.62
04	CLR	NC		10.00		33	23	29	67	6	26	29.66	29.87	04	CLR	NC		10.00		45	23	36	42	15	29	29.49	29.69
07	FEW	NC		10.00		32	21	28	64	6	24	29.70	29.90	07	FEW	NC		10.00		41	23	34	49	13	28	29.60	29.80
10	CLR	NC		10.00		43	25	36	49	7	22	29.72	29.92	10	OVC	065		10.00		43	22	35	43	16	30	29.68	29.89
13	FEW	NC		10.00		48	24	38	39	7	29	29.68	29.88	13	BKN	060		10.00		47	22	37	37	16	34	29.70	29.90
16	OVC	060		10.00		48	26	39	42	9	26	29.69	29.89	16	OVC	065		10.00		45	20	36	37	15	34	29.72	29.92
19	BKN	080		10.00		46	27	38	47	5	26	29.74	29.95	19	BKN	070		10.00		39	18	32	43	14	35	29.85	30.06
22	FEW	NC		10.00		41	27	35	57	7	25	29.77	29.98	22	SCT	NC		10.00		33	11	26	40	14	35	29.98	30.18
				SUNRISE: 0617		MAR 05		SUNSET: 1748						SUNRISE: 0608		MAR 11		SUNSET: 1754									
01	CLR	NC		10.00		39	28	35	65	6	29	29.78	29.99	01	CLR	NC		10.00		29	9	23	43	13	35	30.02	30.23
04	OVC	075		10.00		40	31	36	70	8	01	29.78	29.98	04	SCT	NC		10.00		26	10	22	51	7	35	30.05	30.26
07	OVC	043		10.00		38	34	36	86	0	00	29.84	30.04	07	CLR	NC		10.00		25	9	21	50	13	36	30.10	30.31
10	BKN	024		10.00		44	35	40	71	7	VR	29.87	30.08	10	FEW	NC		10.00		31	9	25	40	13	36	30.14	30.35
13	SCT	NC		10.00		48	32	41	54	3	VR	29.86	30.06	13	OVC	250		10.00		36	11	28	35	14	33	30.09	30.30
16	SCT	NC		10.00		49	29	41	46	8	35	29.84	30.04	16	BKN	250		10.00		37	8	28	30	14	34	30.03	30.24
19	BKN	075		10.00		44	31	39	60	5	02	29.89	30.10	19	BKN	080		10.00		32	10	25	40	12	36	30.06	30.27
22	FEW	NC		10.00		39	28	35	65	0	00	29.94	30.15	22	OVC	065		10.00		31	11	25	43	12	34	30.12	30.33
				SUNRISE: 0616		MAR 06		SUNSET: 1749						SUNRISE: 0607		MAR 12		SUNSET: 1755									
01	CLR	NC		7.00		33	30	32	89	0	00	29.99	30.20	01	OVC	070		10.00		28	9	23	45	13	34	30.17	30.38
04	CLR	NC		10.00		30	27	29	88	5	01	29.99	30.20	04	CLR	NC		10.00		24	6	19	46	10	34	30.20	30.41
07	OVC	250		10.00		32	27	30	82	3	01	30.04	30.25	07	CLR	NC		10.00		22	1	17	40	8	32	30.25	30.46
10	OVC	250		10.00		43	30	38	60	8	10	30.06	30.27	10	CLR	NC		10.00		28	2	21	32	10	34	30.27	30.47
13	FEW	NC		10.00		51	28	41	41	6	18	30.02	30.23	13	CLR	NC		10.00		34	4	26	28	13	30	30.20	30.41
16	SCT	NC		10.00		53	32	44	45	9	17	29.98	30.19	16	CLR	NC		10.00		39	2	28	21	14	31	30.15	30.35
19	OVC	065		10.00		49	34	42	57	9																	

# OBSERVATIONS AT 3-HOURLY INTERVALS

# RICHMOND, VA

MARCH 1998

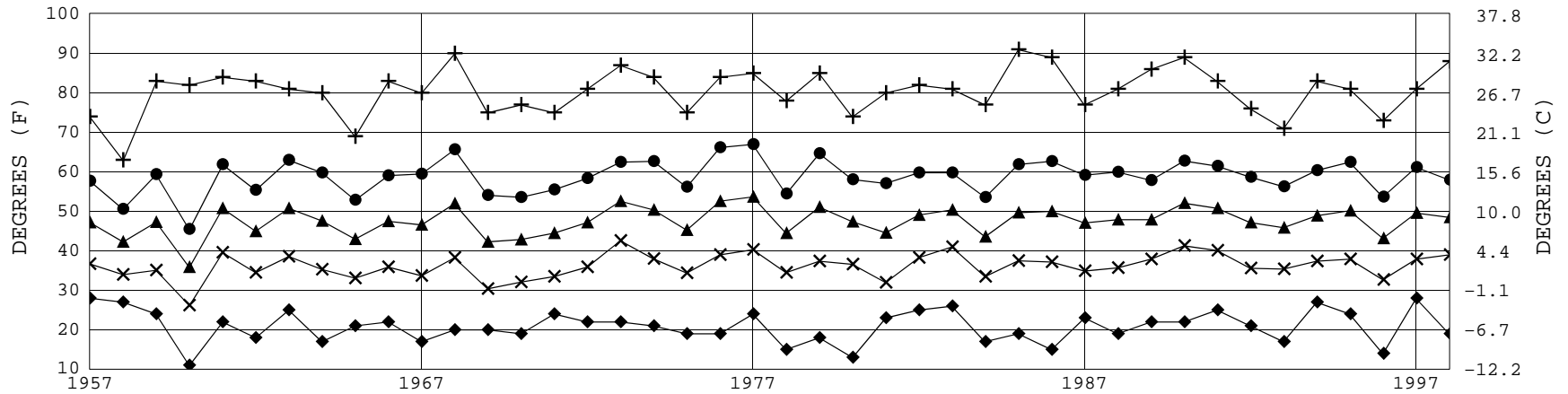
RIC

WBAN # 13740

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			WIND		PRESSURE (INCHES, HG)			
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION			SEA LEVEL								
SUNRISE: 0606 MAR 13								SUNSET: 1755								SUNRISE: 0557 MAR 19								SUNSET: 1801							
01	CLR	NC				10.00		26	11	22	53	3	36	30.27	30.48	01	OVC	003				1.50	-RA BR	47	47	47	100	5	04	29.80	30.00
04	CLR	NC				10.00		21	9	18	59	0	00	30.29	30.50	04	OVC	018				3.00	+RA BR	45	45	45	100	0	00	29.76	29.97
07	OVC	250				10.00		21	15	19	78	0	00	30.31	30.52	07	OVC	001				2.00	RA BR	51	51	51	100	0	00	29.73	29.93
10	BKN	250				10.00		33	11	26	40	7	VR	30.32	30.53	10	OVC	003				2.00	-RA BR	51	51	51	100	3	35	29.71	29.91
13	OVC	250				10.00		39	12	30	33	9	19	30.24	30.45	13	OVC	003				1.00	BR	52	51	52	97	3	36	29.67	29.87
16	SCT	NC				10.00		43	10	32	26	13	22	30.13	30.34	16	SCT	NC				10.00		60	56	58	86	6	35	29.59	29.79
19	OVC	110				10.00		38	14	30	37	5	20	30.11	30.32	19	SCT	NC				10.00		56	54	55	93	5	06	29.60	29.80
22	FEW	NC				10.00		36	18	30	48	10	18	30.09	30.30	22	VV	001				0.25	FG	54	54	54	100	5	11	29.63	29.84
SUNRISE: 0604 MAR 14								SUNSET: 1756								SUNRISE: 0555 MAR 20								SUNSET: 1802							
01	FEW	NC				10.00		36	17	30	46	14	18	30.02	30.22	01	OVC	001				<.25	DZ FG	53	53	53	100	0	00	29.62	29.82
04	BKN	130				10.00		37	16	30	42	15	21	29.94	30.14	04	VV	001				<.25	FG	52	52	52	100	5	10	29.57	29.78
07	BKN	140				10.00		37	19	31	48	14	20	29.88	30.09	07	VV	001				<.25	FG	51	51	51	100	10	08	29.60	29.80
10	SCT	NC				10.00		51	25	40	36	18	22	29.81	30.01	10	OVC	003				0.75	BR	52	51	52	97	7	11	29.61	29.81
13	SCT	NC				10.00		63	31	48	30	25	24	29.74	29.94	13	OVC	005				6.00	-RA BR	51	50	51	96	8	08	29.56	29.76
16	BKN	250				10.00		62	26	46	25	17	30	29.74	29.94	16	OVC	003				2.00	-RA BR	48	48	48	100	6	04	29.48	29.68
19	SCT	NC				10.00		55	19	41	24	14	33	29.86	30.06	19	OVC	003				1.50		46	46	46	100	20	09	29.40	29.60
22	FEW	NC				10.00		44	13	33	28	7	36	29.96	30.16	22	OVC	001				1.50	-RA BR	45	45	45	100	6	VR	29.35	29.55
SUNRISE: 0603 MAR 15								SUNSET: 1757								SUNRISE: 0554 MAR 21								SUNSET: 1803							
01	CLR	NC				10.00		38	16	31	41	3	36	29.99	30.19	01	BKN	004				10.00		44	43	44	96	15	05	29.26	29.47
04	CLR	NC				10.00		30	20	27	66	0	00	30.02	30.23	04	OVC	006				10.00		43	42	43	97	5	VR	29.24	29.44
07	SCT	NC				10.00		30	19	26	64	0	00	30.08	30.28	07	OVC	006				4.00	BR	43	42	43	97	8	01	29.25	29.46
10	CLR	NC				10.00		43	19	34	38	8	33	30.11	30.31	10	OVC	004				2.50		44	43	44	96	8	01	29.26	29.47
13	SCT	NC				10.00		49	20	38	32	9	33	30.09	30.29	13	OVC	009				1.50	BR	44	43	44	96	13	35	29.24	29.45
16	FEW	NC				10.00		49	18	37	29	14	01	30.07	30.27	16	OVC	010				1.50	DZ BR	43	42	43	97	13	35	29.23	29.44
19	FEW	NC				10.00		42	18	34	38	9	02	30.13	30.34	19	OVC	014				1.50	-RA BR	41	39	40	93	15	34	29.31	29.52
22	CLR	NC				10.00		37	17	30	44	7	03	30.21	30.41	22	OVC	070				1.50	DZ BR	38	36	37	93	10	34	29.36	29.56
SUNRISE: 0601 MAR 16								SUNSET: 1758								SUNRISE: 0552 MAR 22								SUNSET: 1804							
01	OVC	110				10.00		35	19	30	52	0	00	30.23	30.43	01	BKN	009				10.00		36	34	35	93	10	32	29.40	29.60
04	OVC	100				10.00		35	20	30	54	8	01	30.23	30.43	04	OVC	060				10.00		37	34	36	89	6	33	29.40	29.61
07	OVC	080				10.00		35	21	30	57	8	03	30.28	30.49	07	OVC	016				10.00		38	36	37	93	5	22	29.46	29.67
10	OVC	150				10.00		39	25	34	57	7	06	30.33	30.54	10	SCT	NC				10.00		46	35	41	66	9	28	29.50	29.70
13	OVC	060				10.00		40	23	34	51	0	00	30.30	30.51	13	OVC	047				10.00		48	32	41	54	12	28	29.52	29.72
16	OVC	055				10.00		41	22	34	47	5	10	30.28	30.48	16	OVC	055				10.00		49	33	42	55	13	27	29.57	29.77
19	OVC	085				10.00		40	24	34	53	3	10	30.29	30.49	19	OVC	060				10.00		47	31	40	54	6	28	29.63	29.83
22	OVC	060				10.00		38	27	34	65	3	12	30.32	30.53	22	BKN	065				10.00		43	33	39	68	7	04	29.73	29.93
SUNRISE: 0560 MAR 17								SUNSET: 1759								SUNRISE: 0551 MAR 23								SUNSET: 1805							
01	OVC	150				10.00		35	27	32	72	3	07	30.31	30.52	01	BKN	060				10.00		39	32	36	76	3	05	29.75	29.96
04	FEW	NC				10.00		32	26	30	79	0	00	30.30	30.51	04	OVC	060				10.00		37	33	35	86	0	00	29.78	29.98
07	OVC	050				10.00		36	28	33	73	6	08	30.33	30.54	07	SCT	NC				10.00		33	29	32	85	0	00	29.84	30.05
10	OVC	080				10.00		39	27	34	62	8	09	30.35	30.56	10	FEW	NC				10.00		45	24	37	44	9	30	29.85	30.06
13	OVC	045				10.00		42	28	37	58	10	10	30.32	30.53	13	SCT	NC				10.00		49	24	39	38	9	29	29.81	30.02
16	OVC	035				10.00		43	30	38	60	10	13	30.27	30.48	16	BKN	080				10.00		51	20	39	29	6	35	29.80	30.01
19	OVC	033				10.00		42	33	38	71	9	12	30.25	30.46	19	SCT	NC				10.00		49	22	38	35	6	32	29.84	30.05
22	OVC	022				6.00	-RA BR	38	38	38	100	7	05	30.22	30.43	22	BKN	250				10.00		41	28	36	60	0	00	29.90	30.10
SUNRISE: 0558 MAR 18								SUNSET: 1800								SUNRISE: 0549 MAR 24								SUNSET: 1806							
01	OVC	004				3.00	RA BR	38	38	38	100	7	06	30.15	30.36	01	OVC	200				10.00		39	28	35	65	6	05	29.93	30.14
04	OVC	009				3.00	RA BR	39	39	39	100	7	03	30.09	30.29	04	BKN	200				10.00		34	28	32	79	0	00	29.93	30.14
07	OVC	004				2.00	-RA BR	39	39	39	100	6	01	30.09	30.29	07	CLR	NC				10.00		32	29	31	88	0	00	29.98	30.19
10	OVC	004				2.00	BR	40	40	40	100	7	33	30.09	30.29	10	CLR	NC				10.00		51	31	42	46	9	20	30.00	30.21
13	OVC	005				2.00	BR	43	42	43	97	5	34	30.03	30.23	13	BKN	090				10.00		55	29	44	37	10	26	29.98	30.18
16	OVC	005				2.00	BR	46	45	46	96	0	00	29.97	30.17	16	OVC	070				10.00		55	31	44	40	12	31	29.98	30.19
19	OVC	002				2.00	-RA BR	45	45	45	100	3	05	29.94	30.14	19	BKN	075				10.00		47	32	41	56	12	04	30.08	30.29
22	OVC	002				1.00	-RA BR	46	46	46	100	5	09	29.88	30.08	22	CLR	NC				10.00		40	32	37	73	5	01	30.20	30.40



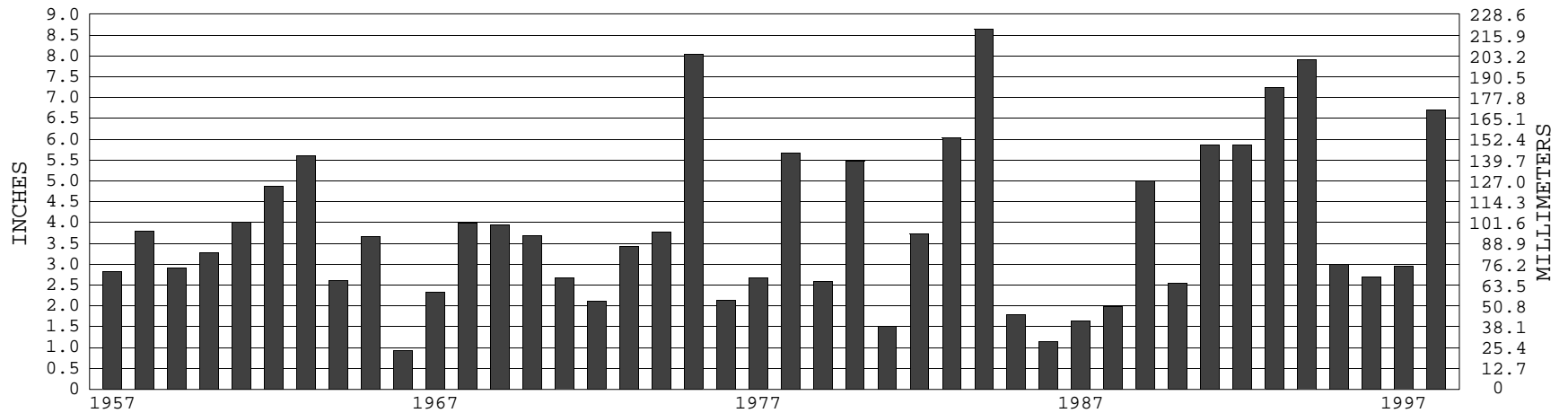
### RICHMOND, VA MARCH TEMPERATURES



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

Long-Term (1957-1998) Mean: 47.6      1961-1990 Normal: 48.0

### RICHMOND, VA MARCH PRECIPITATION



Long-Term (1957-1998) Mean Monthly Total: 3.89

1961-1990 Normal: 3.61



**MARCH 1998  
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.*

DIRECTOR

## NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at  
704-271-4800 (voice), 704-271-4876 (fax),  
704-271-4010(TDD)  
or [orders@ncdc.noaa.gov](mailto:orders@ncdc.noaa.gov)

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NATIONAL CLIMATIC DATA CENTER  
151 PATTON AVE RM 120  
ASHEVILLE, NC 28801 –5001

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS  
POSTAGE AND FEES PAID  
NOAA  
PERMIT G-19