



APRIL 1999

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	SPEED		DIR	SPEED	DIR							
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	69	56	63	10	57	59	2	0	RA BR				0.34	29.84	30.05	7.8	20	8.1	20	22	16	21	01									
02	75	56	66	13	57	60	0	1	FG+ BR				0.00	29.83	30.03	4.2	03	6.8	16	03	13	01	02									
03	73	50	62	8	52	56	3	0	BR				0.00	29.90	30.11	6.5	15	7.2	17	16	15	21	03									
04	84	56	70	16	59	63	0	5	BR HZ				0.00	29.67	29.87	5.8	24	10.2	29	06	22	06	04									
05	60	42	51	-3	35	44	14	0	RA				T	30.02	30.23	7.7	07	9.6	23	04	18	06	05									
06	68	34*	51	-4	42	48	14	0					0.00	30.01	30.22	10.4	21	11.2	29	23	24	23	06									
07	81	55	68	13	49	57	0	3	BR				0.00	29.88	30.08	4.2	26	7.4	18	22	17	23	07									
08	86	47	67	12	45	56	0	2					0.00	29.68	29.88	5.3	23	6.0	20	22	16	23	08									
09	86	52	69	14	58	62	0	4	TS TSRA RA FG+ BR SQ				0.78	29.34	29.54	6.8	24	12.0	53	33	46*	33	09									
10	66	48	57	1	43	49	8	0	BR				0.00	29.74	29.94	5.6	02	9.1	28	01	21	01	10									
11	51	46	49*	-7	47	48	16	0	RA DZ BR				0.22	29.69	29.89	3.6	10	7.4	21	15	17	15	11									
12	62	44	53	-3	41	47	12	0	RA BR				T	29.68	29.89	8.7	33	10.4	28	32	23	32	12									
13	65	39	52	-5	26	42	13	0					0.00	29.75	29.96	10.5	32	10.9	29	01	22	32	13									
14	71	41	56	-1	27	44	9	0					0.00	29.72	29.93	8.3	31	9.2	26	31	22	32	14									
15	64	43	54	-3	41	46	11	0	TSRA RA BR				0.42	29.55	29.75	3.4	08	6.0	21	13	17	13	15									
16	70	46	58	1	38	49	7	0	RA BR				0.01	29.41	29.61	11.7	26	12.4	40	28	30	25	16									
17	66	44	55	-3	27	43	10	0					0.00	29.61	29.81	12.4	26	12.8	37	27	29	27	17									
18	62	39	51	-7	34	44	14	0					0.00	29.84	30.04	6.5	27	7.8	21	30	17	26	18									
19	65	37	51	-7	36	45	14	0					0.00	29.87	30.07	5.3	25	7.4	28	27	20	30	19									
20	70	44	57	-1	43	50	8	0	RA				0.02	29.76	29.96	5.1	32	8.9	26	31	22	32	20									
21	62	39	51	-8	44	48	14	0	RA BR HZ				0.01	29.86	30.07	1.5	12	4.6	16	14	14	13	21									
22	89*	45	67	8	52	59	0	2	BR HZ				0.00	29.76	29.96	5.6	21	7.9	31	24	25	22	22									
23	88	56	72*	12	57	63	0	7	TS TSRA TSRAGR RA BR SQ				0.56	29.67	29.87	6.7	23	12.0	53*	24	40	23	23									
24	63	42	53	-7	35	45	12	0	RA BR				T	29.98	30.19	8.6	02	9.0	29	01	23	02	24									
25	67	38	53	-7	37	45	12	0	RA				T	29.98	30.19	0.6	03	4.6	16	36	13	32	25									
26	78	45	62	1	50	56	3	0					0.00	29.72	29.92	10.8	24	11.5	30	23	24	23	26									
27	71	50	61	0	42	51	4	0	BR				0.00	29.80	30.01	4.2	07	7.1	21	11	17	12	27									
28	59	49	54	-7	43	48	11	0	RA				0.02	29.98	30.18	5.2	08	5.8	18	11	15	08	28									
29	57	46	52	-9	44	48	13	0	RA BR				0.22	29.95	30.16	3.9	06	5.1	13	07	10	07	29									
30	61	43	52	-9	37	45	13	0	RA				T	30.00	30.20	12.5	06	13.0	33	06	25	07	30									
										69.6		45.7	57.7	■ ■	43.3	50.7	7.9	0.8	< MONTHLY AVERAGES		TOTALS-->		2.60	29.78	29.99	1.7	27	8.7	<- MONTHLY AVERAGES			
										-.4		1.1	0.4	■ ■	<----- DEPARTURE FROM NORMAL ----->										-.36		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3					
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.78 DATE: 09				SEA LEVEL PRESSURE				DATE		TIME												
MONTHLY										GREATEST 24-HR SNOWFALL:				MAXIMUM				: 30.36		05 2354												
SEASON TO DATE										GREATEST SNOWFALL:				MINIMUM				: 29.29		09 1754												
TOTAL DEPARTURE										NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH : 10										
HEATING: 237 -4 3476 -426														MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 6										
COOLING: 24 14 25 15														THUNDERSTORMS : 3				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH :										

APRIL 1999
RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

APRIL 1999

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							T	T			0.02	0.21	01	0.08	0.02	0.01	T								01		0.34		
02													02												02		0.00		
03													03												03		0.00		
04													04												04		0.00		
05							T						05												05		T		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09					T	T	T	T					09						0.75	0.03					09		0.78		
10													10												10		0.00		
11										0.06	0.04	0.02	11	0.05	0.04					0.01		T	T	T	11		0.22		
12												T	12												12		T		
13													13												13		0.00		
14													14												14		0.00		
15								T	T				15	T	T	T	0.08	0.16	0.07	0.02			0.09	15		0.42			
16	0.01												16												16		0.01		
17													17												17		0.00		
18													18												18		0.00		
19													19												19		0.00		
20		T	T	T	0.02	T							20												20		0.02		
21													21	T	0.01			T							21		0.01		
22													22												22		0.00		
23													23			T			0.10	0.13	0.27	T	0.06		23		0.56		
24	T		T										24												24		T		
25													25												25		T		
26													26												26		0.00		
27													27												27		0.00		
28							T	T		T	T	T	28	0.02	T										28		0.02		
29					0.09	0.09	0.04	T		T	T	T	29												29		0.22		
30													30				T								30		T		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

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 : 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 1961 – 1990

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 1999

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 at constant pressure by evaporation of moisture into it, to 100% relative humidity.

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							.25	10.00	
03							2.00	10.00	
04							4.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							4.00	10.00	
08							7.00	10.00	
09							.50	10.00	
10							6.00	10.00	
11							1.00	10.00	
12							3.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							1.00	10.00	
16							1.75	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							7.00	10.00	
21							4.00	10.00	
22							2.00	10.00	
23							2.50	10.00	
24							3.00	10.00	
25							10.00	10.00	
26							7.00	10.00	
27							2.50	10.00	
28							10.00	10.00	
29							4.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							5.48	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH: SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 1 12 13									

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

APRIL 1999

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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0555				APR 01	SUNSET: 1832				SUNRISE: 0547				APR 07	SUNSET: 1837									
01	BKN	150		60	48	54	65	10	20	29.95	30.15	01	CLR	NC		61	55	58	81	13	22	29.87	30.08
04	OVC	110		56	48	52	75	5	17	29.92	30.12	04	CLR	NC		57	55	56	93	9	22	29.88	30.09
07	OVC	200		59	50	54	72	5	16	29.92	30.12	07	SCT	NC		57	55	56	93	7	25	29.95	30.15
10	OVC	060		69	55	61	61	10	20	29.89	30.09	10	BKN	250		68	52	59	57	6	28	29.97	30.16
13	OVC	014		63	63	63	100	9	18	29.84	30.04	13	FEW	NC		77	44	59	31	7	VR	29.91	30.11
16	OVC	018		64	63	64	96	13	21	29.77	29.97	16	BKN	250		80	42	59	26	10	31	29.84	30.04
19	OVC	023		64	60	61	86	6	25	29.76	29.96	19	SCT	NC		70	43	56	38	3	34	29.84	30.04
22	OVC	028		62	61	61	96	7	21	29.77	29.96	22	CLR	NC		58	51	54	78	3	14	29.83	30.03
SUNRISE: 0554				APR 02	SUNSET: 1833				SUNRISE: 0545				APR 08	SUNSET: 1838									
01	BKN	120		61	60	60	97	0	00	29.78	29.98	01	CLR	NC		55	49	52	80	0	00	29.79	29.99
04	VV	001		61	60	60	97	5	36	29.78	29.98	04	CLR	NC		50	48	49	93	0	00	29.76	29.96
07	OVC	001		58	58	58	99	5	35	29.83	30.03	07	CLR	NC		54	48	51	80	0	00	29.77	29.97
10	FEW	NC		67	58	62	73	10	36	29.87	30.07	10	CLR	NC		76	44	59	32	7	26	29.75	29.95
13	OVC	065		72	56	62	57	6	32	29.85	30.05	13	FEW	NC		83	37	59	19	6	23	29.67	29.87
16	OVC	065		74	53	62	48	10	01	29.82	30.02	16	BKN	250		84	41	60	22	8	22	29.61	29.81
19	BKN	250		66	56	60	70	8	10	29.83	30.03	19	BKN	250		74	47	59	38	9	20	29.60	29.80
22	FEW	NC		59	56	57	90	7	11	29.87	30.07	22	BKN	130		68	48	57	49	7	20	29.57	29.77
SUNRISE: 0552				APR 03	SUNSET: 1834				SUNRISE: 0544				APR 09	SUNSET: 1839									
01	OVC	004		56	55	55	97	10	12	29.90	30.10	01	BKN	150		69	52	59	55	5	24	29.53	29.72
04	OVC	050		52	51	52	97	6	13	29.93	30.13	04	OVC	150		68	54	60	61	13	25	29.52	29.72
07	OVC	008		50	48	49	93	7	12	29.99	30.19	07	OVC	150		63	59	61	87	7	20	29.49	29.68
10	SCT	NC		57	50	53	78	5	19	29.97	30.18	10	OVC	250		75	62	67	64	13	24	29.36	29.56
13	FEW	NC		69	52	59	55	8	18	29.92	30.13	13	SCT	NC		82	63	70	53	20	22	29.24	29.44
16	OVC	250		73	54	62	51	10	16	29.86	30.06	16	BKN	065		85	60	69	43	26	23	29.12	29.32
19	OVC	250		65	54	59	68	10	14	29.85	30.05	19	OVC	012		61	61	61	100	20	36	29.18	29.39
22	BKN	250		58	55	56	90	7	16	29.85	30.06	22	FEW	NC		54	53	53	97	5	35	29.36	29.56
SUNRISE: 0551				APR 04	SUNSET: 1834				SUNRISE: 0542				APR 10	SUNSET: 1840									
01	SCT	NC		59	55	57	87	8	18	29.80	30.00	01	BKN	008		51	50	51	96	10	36	29.43	29.63
04	SCT	NC		58	55	56	90	8	19	29.74	29.94	04	OVC	016		49	45	47	86	16	36	29.58	29.78
07	BKN	250		60	58	59	93	9	21	29.75	29.95	07	OVC	020		48	43	46	83	13	01	29.71	29.91
10	BKN	250		74	62	67	67	14	22	29.70	29.90	10	OVC	024		52	42	47	69	10	02	29.79	29.99
13	SCT	NC		82	62	69	51	17	23	29.61	29.80	13	FEW	NC		60	41	51	50	5	VR	29.79	29.99
16	OVC	250		83	58	67	43	14	26	29.55	29.75	16	CLR	NC		64	41	52	43	8	01	29.77	29.97
19	OVC	250		73	62	66	69	10	36	29.58	29.78	19	CLR	NC		59	40	50	49	7	08	29.81	30.01
22	OVC	250		66	62	64	87	3	34	29.68	29.88	22	CLR	NC		50	43	47	77	7	13	29.87	30.08
SUNRISE: 0549				APR 05	SUNSET: 1835				SUNRISE: 0541				APR 11	SUNSET: 1841									
01	OVC	012		52	48	50	86	16	07	29.79	29.98	01	BKN	065		49	43	46	80	8	14	29.87	30.08
04	OVC	030		49	40	45	71	12	08	29.87	30.06	04	OVC	060		49	44	47	83	8	14	29.86	30.06
07	OVC	040		47	36	42	66	10	07	30.00	30.20	07	OVC	048		50	42	46	74	7	14	29.86	30.06
10	OVC	050		51	29	42	43	14	06	30.07	30.27	10	OVC	026		47	44	46	90	13	16	29.75	29.96
13	OVC	049		53	29	43	40	9	05	30.08	30.28	13	OVC	006		47	47	47	100	6	01	29.70	29.90
16	FEW	NC		60	31	47	33	5	VR	30.05	30.25	16	OVC	004		50	50	50	100	3	10	29.54	29.74
19	CLR	NC		52	28	42	40	7	09	30.08	30.29	19	OVC	004		51	51	51	100	6	02	29.50	29.70
22	CLR	NC		45	38	42	77	9	14	30.14	30.34	22	OVC	004		50	50	50	100	8	35	29.53	29.73
SUNRISE: 0548				APR 06	SUNSET: 1836				SUNRISE: 0539				APR 12	SUNSET: 1842									
01	CLR	NC		40	37	39	89	3	16	30.15	30.35	01	OVC	005		49	49	49	100	9	35	29.57	29.77
04	FEW	NC		38	35	37	89	0	00	30.11	30.32	04	SCT	NC		46	46	46	100	6	34	29.59	29.79
07	BKN	250		38	36	37	93	0	00	30.13	30.34	07	BKN	005		48	48	48	100	6	20	29.63	29.84
10	OVC	250		53	35	45	51	9	21	30.12	30.32	10	OVC	060		56	42	49	60	10	30	29.67	29.87
13	OVC	050		63	38	51	40	15	19	30.02	30.22	13	BKN	075		59	39	49	48	17	35	29.67	29.88
16	OVC	080		67	43	54	42	18	22	29.93	30.14	16	FEW	NC		58	38	48	48	15	33	29.70	29.91
19	OVC	034		65	52	58	63	15	20	29.87	30.07	19	CLR	NC		52	34	44	50	12	36	29.75	29.95
22	OVC	027		65	56	60	73	21	22	29.88	30.09	22	CLR	NC		49	33	42	55	9	29	29.80	30.00

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

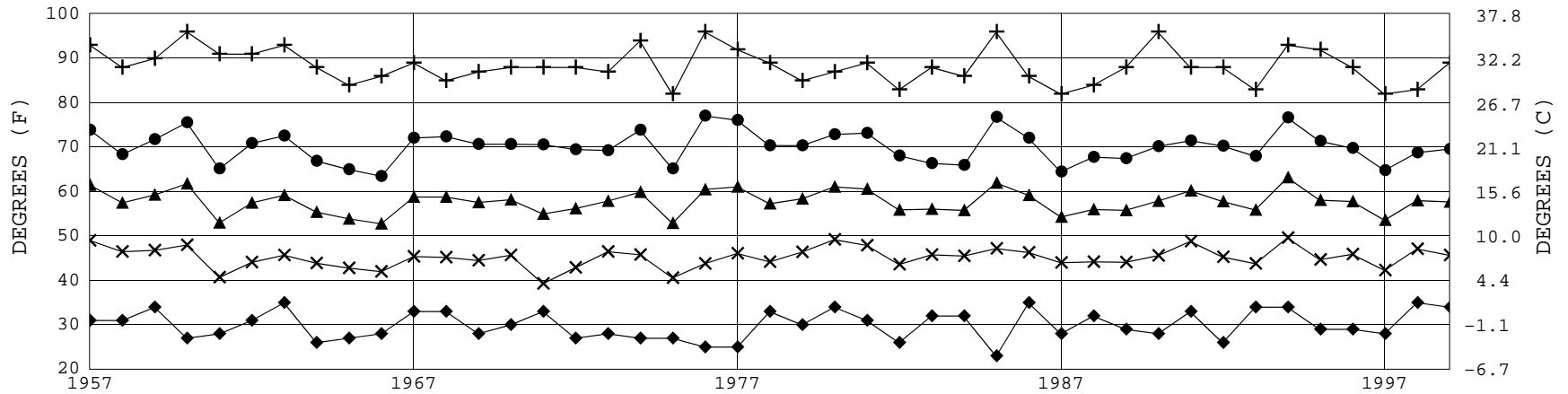
APRIL 1999

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		STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		STATION	SEA LEVEL							
				SUNRISE: 0538	APR 13	SUNSET: 1843					SUNRISE: 0530	APR 19	SUNSET: 1848													
01	CLR	NC		10.00	45	32	39	61	10	31	29.81	30.01	01	CLR	NC		10.00	47	35	42	63	6	26	29.93	30.13	
04	CLR	NC		10.00	42	32	38	68	9	30	29.82	30.02	04	OVC	NC		10.00	39	35	37	86	3	18	29.92	30.12	
07	CLR	NC		10.00	43	31	38	63	6	33	29.84	30.04	07	SCT	100		10.00	46	37	42	71	8	24	29.93	30.14	
10	CLR	NC		10.00	54	26	42	34	16	35	29.82	30.02	10	SCT	NC		10.00	59	38	49	46	15	25	29.92	30.13	
13	CLR	NC		10.00	60	22	44	23	20	29	29.74	29.94	13	SCT	NC		10.00	64	34	50	33	10	27	29.87	30.07	
16	CLR	NC		10.00	64	22	46	20	13	32	29.66	29.86	16	BKN	120		10.00	63	34	49	34	17	27	29.83	30.04	
19	CLR	NC		10.00	59	22	44	24	12	33	29.67	29.88	19	SCT	NC		10.00	60	34	48	38	3	23	29.81	30.02	
22	CLR	NC		10.00	52	24	41	34	7	32	29.72	29.92	22	BKN	110		10.00	49	39	44	69	3	16	29.81	30.01	
				SUNRISE: 0537	APR 14	SUNSET: 1843					SUNRISE: 0528	APR 20	SUNSET: 1849													
01	CLR	NC		10.00	50	24	40	36	10	32	29.71	29.91	01	OVC	090		10.00	52	39	46	61	7	21	29.77	29.97	
04	CLR	NC		10.00	44	26	37	49	7	34	29.75	29.96	04	OVC	060		10.00	50	48	49	93	0	00	29.73	29.93	
07	FEW	NC		10.00	48	25	39	41	8	32	29.79	30.00	07	FEW	NC		10.00	52	48	50	86	3	24	29.71	29.91	
10	FEW	NC		10.00	60	24	45	25	14	34	29.80	30.00	10	FEW	NC		10.00	64	47	55	54	13	28	29.70	29.90	
13	SCT	NC		10.00	67	28	49	23	16	27	29.72	29.92	13	BKN	075		10.00	67	42	54	41	18	31	29.69	29.89	
16	SCT	NC		10.00	71	29	51	21	16	31	29.64	29.84	16	BKN	100		10.00	64	43	53	46	14	36	29.74	29.94	
19	SCT	NC		10.00	65	25	47	22	7	32	29.66	29.86	19	SCT	NC		10.00	58	41	50	54	9	04	29.80	30.01	
22	FEW	NC		10.00	57	27	44	32	7	33	29.70	29.90	22	FEW	NC		10.00	51	39	45	64	0	00	29.89	30.09	
				SUNRISE: 0535	APR 15	SUNSET: 1844					SUNRISE: 0527	APR 21	SUNSET: 1850													
01	SCT	NC		10.00	44	33	39	65	6	21	29.70	29.91	01	FEW	NC		10.00	42	38	40	85	0	00	29.88	30.09	
04	BKN	250		10.00	47	35	42	63	0	00	29.68	29.88	04	FEW	NC		10.00	40	38	39	93	0	00	29.89	30.09	
07	OVC	150		10.00	50	41	46	71	0	00	29.70	29.91	07	OVC	250		10.00	48	43	46	83	3	27	29.93	30.13	
10	OVC	130		10.00	56	43	49	62	8	06	29.69	29.89	10	OVC	130		10.00	54	44	49	69	7	22	29.94	30.15	
13	OVC	050		10.00	61	38	50	43	10	12	29.57	29.77	13	OVC	035		10.00	55	45	50	69	13	15	29.85	30.05	
16	OVC	038		10.00	50	46	48	86	8	06	29.44	29.65	16	OVC	130		10.00	61	44	52	54	5	04	29.82	30.03	
19	OVC	055	-TSRA	10.00	47	47	47	100	9	02	29.39	29.59	19	SCT	NC		10.00	56	48	52	75	8	08	29.81	30.01	
22	OVC	031		8.00	47	47	47	100	3	04	29.36	29.57	22	SCT	NC		8.00	50	47	48	89	3	07	29.81	30.01	
				SUNRISE: 0534	APR 16	SUNSET: 1845					SUNRISE: 0526	APR 22	SUNSET: 1851													
01	OVC	006		4.00 BR	48	48	48	100	9	32	29.33	29.54	01	CLR	NC		5.00 BR	47	46	46	97	3	01	29.78	29.98	
04	OVC	011		5.00 BR	47	47	47	100	0	00	29.34	29.54	04	CLR	NC		3.00 BR	46	46	46	100	5	33	29.75	29.96	
07	OVC	003		1.75 BR	47	47	47	100	10	23	29.39	29.60	07													
10	CLR	NC		10.00	60	51	55	72	12	26	29.40	29.61	10	BKN	150		10.00	63	51	56	65	5	24	29.84	30.05	
13	FEW	NC		10.00	68	38	53	33	23	26	29.39	29.59	13	FEW	NC		10.00	71	56	62	59	10	15	29.77	29.94	
16	FEW	NC		10.00	69	29	50	22	21	25	29.36	29.56	16	BKN	250		10.00	88	50	65	27	22	21	29.72	29.92	
19	CLR	NC		10.00	64	25	47	23	14	26	29.42	29.62	19	OVC	250		10.00	78	55	64	45	12	20	29.71	29.92	
22	CLR	NC		10.00	58	24	44	27	9	27	29.52	29.72	22	OVC	250		10.00	74	55	63	52	9	20	29.74	29.94	
				SUNRISE: 0532	APR 17	SUNSET: 1846					SUNRISE: 0524	APR 23	SUNSET: 1852													
01	CLR	NC		10.00	48	28	40	46	7	23	29.56	29.76	01	BKN	250		10.00	71	55	62	57	12	21	29.73	29.93	
04	CLR	NC		10.00	49	27	40	43	8	26	29.57	29.78	04	OVC	250		10.00	68	55	60	63	8	22	29.73	29.93	
07	SCT	NC		10.00	50	28	41	43	9	24	29.63	29.83	07	OVC	180		10.00	69	54	60	59	12	22	29.76	29.96	
10	BKN	250		10.00	58	26	44	30	16	27	29.61	29.81	10	OVC	250		10.00	78	55	64	45	16	22	29.71	29.91	
13	SCT	NC		10.00	62	28	47	28	24	26	29.57	29.77	13	OVC	250		10.00	87	58	69	37	18	23	29.60	29.80	
16	BKN	080		10.00	63	24	46	23	16	26	29.55	29.75	16	OVC	120		10.00	86	59	69	40	14	24	29.54	29.74	
19	FEW	NC		10.00	59	24	44	26	17	28	29.62	29.82	19	OVC	080		10.00	64	63	63	96	5	11	29.59	29.79	
22	CLR	NC		10.00	54	27	42	35	8	26	29.70	29.91	22	OVC	011		10.00	61	60	60	97	14	02	29.72	29.92	
				SUNRISE: 0531	APR 18	SUNSET: 1847					SUNRISE: 0523	APR 24	SUNSET: 1853													
01	CLR	NC		10.00	50	30	41	46	9	27	29.76	29.96	01	OVC	015		3.00 BR	54	53	53	97	15	03	29.83	30.03	
04	CLR	NC		10.00	46	31	40	56	7	28	29.79	29.99	04	OVC	028		10.00	52	49	50	89	8	03	29.91	30.11	
07	CLR	NC		10.00	46	34	41	63	6	26	29.82	30.02	07	SCT	NC		10.00	46	31	40	56	17	01	30.04	30.24	
10	FEW	NC		10.00	56	36	47	47	10	23	29.85	30.05	10	FEW	NC		10.00	52	29	42	41	8	02	30.06	30.27	
13	BKN	090		10.00	60	34	48	38	6	29	29.82	30.02	13	BKN	250		10.00	59	29	46	32	12	03	30.02	30.23	
16	BKN	075		10.00	60	34	48	38	9	32	29.81	30.01	16	BKN	250		10.00	62	24	46	23	12	03	29.99	30.19	
19	OVC	085		10.00	57	32	46	39	10	27	29.87	30.08	19	CLR	NC		10.00	59	29	46	32	0	00	29.97	30.17	
22	FEW	NC		10.00	51	33	43	50	6	26	29.93	30.13	22	BKN	250		10.00	45	38	42	77	0	00	30.00	30.20	

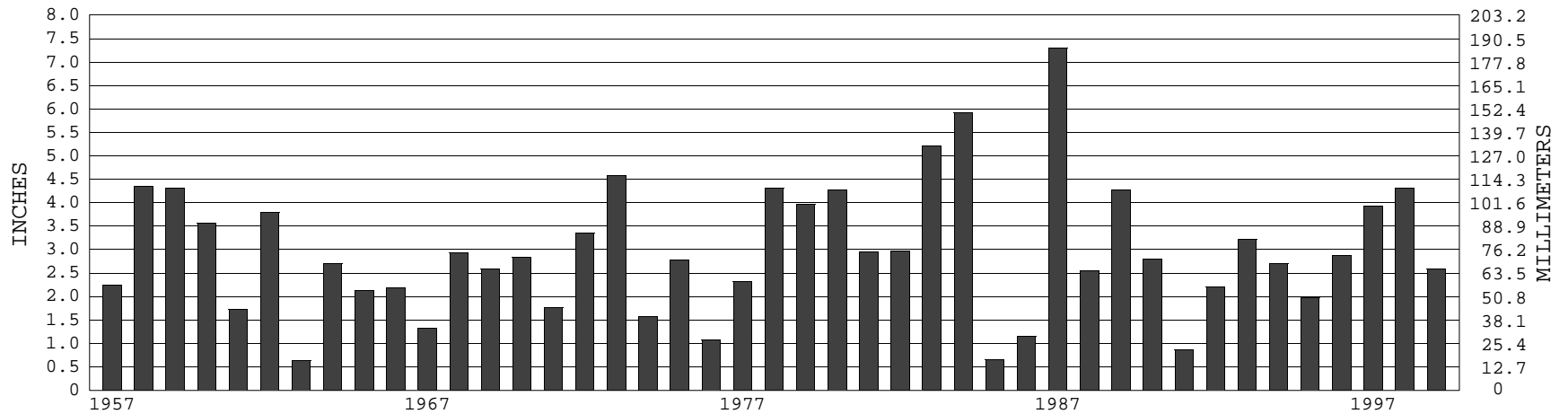
RICHMOND, VA APRIL TEMPERATURES



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

Long-Term (1957-1999) Mean: 57.7 1961-1990 Normal: 57.3

RICHMOND, VA APRIL PRECIPITATION



Long-Term (1957-1999) Mean Monthly Total: 2.98

1961-1990 Normal: 2.96



**APRIL 1999
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
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