

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

JUNE 1999

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													03												03		0.00		
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													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.08		
13			T	0.01	0.07	T							13	0.27		0.01	0.01								13	0.01	0.06	0.99	
14													14												14		0.01		
15			T	0.02	T	T	0.01	0.01	0.02	0.10	0.02	0.04	0.01	15	0.01	T									15		0.24		
16													16				0.01	0.01	0.01						16	T	0.03		
17	T	T	T										17			0.02	T	T	0.01	0.01					17	T	0.02		
18													18												18		0.00		
19													19												19	T	0.01		
20			T	0.03	T	T	T	0.07	0.01	T	0.01	0.01	0.01	20	T	T	T	T	0.01						20	T	0.16		
21	0.01	T	T	T	0.16	0.07	0.12	0.01					21												21	T	0.37		
22		T	T										22												22		T		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27	T	T		
28													28				0.08	0.04	0.01						28	T	0.13		
29													29												29	T	2.46		
30												T	30	T			0.80	0.49	0.38	0.73	0.88	0.71	0.14	T	30		1.79		

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 JUNE 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							6.00	10.00	
02							10.00	10.00	
03							7.00	10.00	
04							7.00	10.00	
05							4.00	10.00	
06							<.25	10.00	
07							5.00	9.00	
08							3.00	7.00	
09							4.00	10.00	
10							4.00	10.00	
11							10.00	10.00	
12							6.00	10.00	
13							6.00	10.00	
14							5.00	10.00	
15							4.00	10.00	
16							6.00	10.00	
17							1.75	10.00	
18							7.00	10.00	
19							5.00	10.00	
20							2.00	10.00	
21							1.50	10.00	
22							10.00	10.00	
23							8.00	10.00	
24							5.00	10.00	
25							7.00	10.00	
26							3.00	10.00	
27							1.25	10.00	
28							1.25	10.00	
29							.50	10.00	
30							1.75	10.00	
MONTHLY AVGS							4.74	9.87	
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 10 8									

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JUNE 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: 0450				JUN 01				SUNSET: 1924				SUNRISE: 0448				JUN 07				SUNSET: 1928			
01	SCT	NC		67	58	62	73	9	20	29.90	30.10	01	FEW	NC		64	62	63	93	3	18	30.00	30.20
04	BKN	250		62	59	60	90	7	20	29.89	30.09	04	FEW	NC		63	58	60	84	3	19	29.96	30.16
07	SCT	NC		69	61	64	76	10	21	29.92	30.12	07	CLR	NC		70	59	63	68	7	22	29.97	30.17
10	BKN	250		79	61	68	54	14	23	29.91	30.11	10	OVC	250		85	61	70	45	7	VR	29.94	30.14
13	BKN	250		84	57	67	40	12	21	29.87	30.07	13	SCT	NC		91	64	73	41	0	00	29.89	30.09
16	OVC	250		83	53	65	36	14	21	29.85	30.05	16	FEW	NC		92	64	73	40	7	22	29.84	30.04
19	BKN	250		76	58	65	54	7	20	29.84	30.04	19	CLR	NC		85	67	73	55	7	22	29.82	30.02
22	BKN	250		67	58	62	73	5	20	29.86	30.06	22	CLR	NC		78	66	70	67	5	19	29.83	30.03
SUNRISE: 0450				JUN 02				SUNSET: 1925				SUNRISE: 0448				JUN 08				SUNSET: 1928			
01	CLR	NC		66	57	61	73	12	20	29.84	30.04	01	CLR	NC		74	63	67	69	5	21	29.79	29.98
04	SCT	NC		66	58	61	75	10	21	29.88	30.08	04	CLR	NC		74	64	68	71	0	00	29.78	29.98
07	FEW	NC		70	61	64	73	13	21	29.89	30.09	07	CLR	NC		79	67	71	67	3	30	29.81	30.01
10	BKN	150		81	63	69	54	20	23	29.90	30.10	10	CLR	NC		90	64	73	42	5	VR	29.80	30.00
13	SCT	NC		86	62	70	45	18	23	29.84	30.04	13	FEW	NC		92	64	73	40	3	VR	29.75	29.95
16	SCT	NC		87	62	71	43	17	21	29.78	29.97	16	FEW	NC		95	63	74	35	13	27	29.71	29.91
19	BKN	250		82	63	70	53	9	20	29.76	29.96	19	FEW	NC		90	65	73	44	8	26	29.70	29.90
22	SCT	NC		76	63	68	64	12	20	29.78	29.98	22	FEW	NC		81	68	72	65	5	22	29.73	29.92
SUNRISE: 0449				JUN 03				SUNSET: 1925				SUNRISE: 0448				JUN 09				SUNSET: 1929			
01	SCT	NC		74	62	67	67	13	19	29.76	29.96	01	CLR	NC		80	67	71	64	7	32	29.73	29.93
04	SCT	NC		72	64	67	76	12	21	29.76	29.96	04	FEW	NC		74	66	69	76	7	34	29.75	29.94
07	SCT	NC		75	64	68	69	13	24	29.79	29.98	07	SCT	NC		79	64	69	60	7	35	29.80	30.00
10	OVC	250		81	63	69	54	15	28	29.80	29.99	10	SCT	NC		89	61	71	39	7	VR	29.83	30.02
13	OVC	250		84	61	69	46	13	28	29.78	29.97	13	BKN	250		95	55	70	26	7	VR	29.80	30.00
16	BKN	250		86	60	69	42	10	28	29.76	29.96	16	BKN	250		96	54	70	24	6	28	29.77	29.96
19	SCT	NC		83	60	68	46	7	26	29.74	29.94	19	SCT	NC		91	60	71	35	7	27	29.77	29.96
22	BKN	250		74	57	64	56	13	02	29.83	30.03	22	FEW	NC		77	64	69	64	0	00	29.81	30.01
SUNRISE: 0449				JUN 04				SUNSET: 1926				SUNRISE: 0448				JUN 10				SUNSET: 1929			
01	SCT	NC		69	56	61	63	9	03	29.84	30.04	01	CLR	NC		75	63	67	66	5	09	29.85	30.04
04	BKN	250		65	56	60	73	9	01	29.86	30.06	04	FEW	NC		70	67	68	90	9	07	29.88	30.08
07	SCT	NC		66	53	59	63	13	03	29.93	30.13	07	OVC	012		70	65	67	84	8	07	29.97	30.16
10	BKN	250		72	51	60	48	12	01	29.95	30.15	10	OVC	022		74	64	68	71	12	08	30.02	30.22
13	OVC	250		77	51	62	40	8	36	29.92	30.12	13	OVC	025		75	65	69	71	9	05	30.02	30.22
16	BKN	250		79	52	63	39	9	06	29.90	30.09	16	OVC	027		76	65	69	69	12	06	30.00	30.20
19	BKN	250		72	52	61	50	7	06	29.91	30.11	19	OVC	020		69	63	65	81	10	09	30.02	30.22
22	BKN	250		62	53	57	73	6	13	29.95	30.15	22	OVC	024		67	62	64	84	9	10	30.06	30.26
SUNRISE: 0449				JUN 05				SUNSET: 1926				SUNRISE: 0448				JUN 11				SUNSET: 1930			
01	CLR	NC		57	54	55	90	0	00	29.99	30.19	01	OVC	017		66	60	62	81	7	06	30.07	30.27
04	OVC	250		56	53	54	90	0	00	30.01	30.21	04	OVC	018		64	58	60	81	9	07	30.08	30.27
07	BKN	250		64	58	60	81	0	00	30.05	30.25	07	FEW	NC		65	58	61	78	8	05	30.11	30.31
10	BKN	250		75	50	61	42	8	08	30.07	30.27	10	CLR	NC		73	55	62	53	10	07	30.09	30.29
13	BKN	250		78	47	61	33	7	09	30.05	30.25	13	FEW	NC		78	58	66	50	7	11	30.05	30.25
16	BKN	250		79	50	62	36	9	09	30.02	30.22	16	FEW	NC		80	56	65	44	13	08	30.01	30.21
19	BKN	250		70	54	61	57	10	13	30.05	30.25	19	FEW	NC		73	57	63	57	10	07	30.01	30.21
22	BKN	250		61	36	49	39	7	10	30.10	30.30	22	CLR	NC		63	53	57	70	5	07	30.02	30.22
SUNRISE: 0449				JUN 06				SUNSET: 1927				SUNRISE: 0448				JUN 12				SUNSET: 1930			
01	BKN	250		57	52	54	83	0	00	30.08	30.28	01	CLR	NC		57	53	55	87	6	04	30.04	30.24
04	VV	001	0.25 FG	59	58	59	98	0	00	30.09	30.29	04	CLR	NC		56	55	55	97	9	01	30.02	30.22
07	OVC	002	0.50 FG	65	63	64	95	6	35	30.14	30.34	07	BKN	008		61	57	59	87	12	01	30.03	30.23
10	FEW	NC		76	67	70	74	0	00	30.12	30.32	10	OVC	019		67	60	63	79	10	35	30.02	30.22
13	BKN	250		86	56	67	36	6	27	30.06	30.26	13	OVC	017		71	62	66	73	13	36	30.00	30.20
16	SCT	NC		83	57	67	41	7	18	30.02	30.22	16	OVC	024		72	65	68	79	14	02	29.96	30.16
19	SCT	NC		78	61	67	55	6	17	30.00	30.19	19	OVC	018		71	66	68	84	12	01	29.94	30.14
22	SCT	NC		69	59	63	70	6	14	30.01	30.21	22	OVC	040		68	68	68	100	8	04	29.95	30.15

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

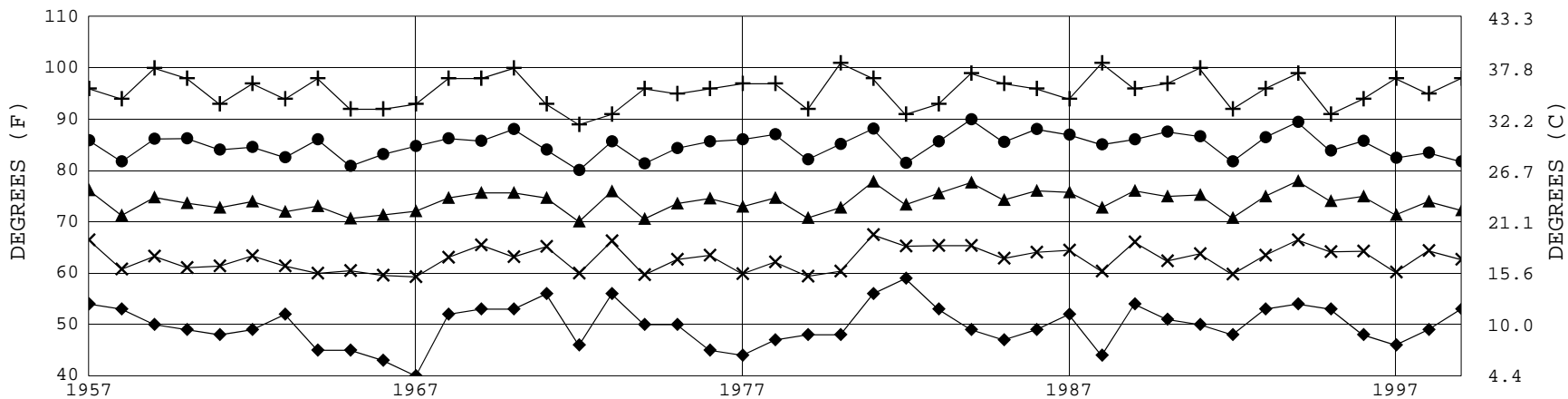
JUNE 1999

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		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: 0448				JUN 13				SUNSET: 1931				SUNRISE: 0448				JUN 19				SUNSET: 1933							
01	BKN	049		9.00		67	67	67	100	7	02	29.93	30.13	01	CLR	NC		8.00		57	54	55	90	3	33	30.12	30.32
04	OVC	041		7.00	-RA	67	67	67	100	8	01	29.91	30.11	04	SCT	NC		8.00		55	54	54	96	0	00	30.13	30.33
07	OVC	029		10.00		67	67	67	100	6	01	29.92	30.12	07	FEW	NC		8.00		60	58	59	93	6	04	30.17	30.37
10	OVC	041		10.00	-RA	72	69	70	91	8	35	29.92	30.11	10	BKN	049		10.00		73	55	62	53	10	09	30.18	30.38
13	BKN	047		10.00		73	67	69	81	3	VR	29.87	30.07	13	BKN	250		10.00		75	54	63	48	13	08	30.17	30.37
16	OVC	050		10.00		73	67	69	81	3	30	29.84	30.04	16	BKN	250		10.00		75	56	64	52	14	12	30.14	30.34
19	BKN	150		10.00		73	68	70	84	5	18	29.83	30.03	19	BKN	150		10.00		70	56	62	61	13	12	30.13	30.33
22	FEW	NC		9.00		69	68	68	96	0	00	29.86	30.06	22	OVC	085		10.00		64	57	60	78	13	11	30.16	30.36
SUNRISE: 0448				JUN 14				SUNSET: 1931				SUNRISE: 0448				JUN 20				SUNSET: 1933							
01	FEW	NC		7.00		67	66	66	97	0	00	29.84	30.04	01	OVC	075		10.00		61	58	59	90	7	04	30.13	30.33
04	BKN	075		9.00		66	65	65	96	3	20	29.83	30.03	04	OVC	060		10.00	-RA	61	60	60	97	9	04	30.10	30.30
07	BKN	120		6.00	BR	70	68	69	93	5	18	29.82	30.01	07	OVC	037		6.00	-RA BR	60	60	60	100	8	02	30.13	30.32
10	OVC	250		10.00		81	68	72	65	9	20	29.81	30.01	10	OVC	017		3.00	-RA BR	61	60	60	97	14	01	30.13	30.34
13	SCT	NC		10.00		88	65	73	46	12	21	29.75	29.95	13	OVC	010		3.00		60	59	59	96	15	01	30.12	30.33
16	BKN	250		10.00		90	63	72	41	15	20	29.70	29.90	16	OVC	010		10.00		61	60	60	97	12	03	30.08	30.28
19	BKN	250		10.00		83	67	72	59	6	19	29.70	29.90	19	OVC	006		5.00	BR	61	61	61	100	9	03	30.05	30.25
22	OVC	110		10.00		82	66	71	58	6	21	29.74	29.93	22	OVC	005		2.00	DZ BR	61	61	61	100	7	02	30.06	30.26
SUNRISE: 0448				JUN 15				SUNSET: 1931				SUNRISE: 0449				JUN 21				SUNSET: 1933							
01	OVC	075		10.00		79	62	68	56	8	33	29.75	29.95	01	OVC	003		3.00	DZ BR	61	61	61	100	7	04	30.02	30.23
04	OVC	075		8.00	-RA	71	69	70	94	3	03	29.77	29.97	04	OVC	003		2.00	DZ BR	61	61	61	100	9	36	30.01	30.22
07	OVC	060		10.00	-RA	69	63	65	81	7	01	29.82	30.02	07	OVC	006		8.00	-RA	61	61	61	100	9	02	30.03	30.23
10	OVC	040		10.00	-RA	65	63	64	93	0	00	29.85	30.05	10	OVC	004		2.50	BR	63	62	62	97	9	01	30.03	30.23
13	OVC	055		9.00		69	66	67	90	6	01	29.84	30.04	13	OVC	009		2.50	BR	65	62	63	90	12	02	30.01	30.21
16	BKN	070		9.00		73	66	69	79	8	10	29.83	30.03	16	OVC	013		10.00		66	63	64	90	12	01	29.99	30.19
19	BKN	070		9.00		72	66	68	82	6	12	29.82	30.02	19	OVC	018		10.00		66	62	64	87	7	01	29.99	30.19
22	OVC	085		10.00		68	64	66	87	5	07	29.85	30.05	22	OVC	017		10.00		64	62	63	93	7	02	30.00	30.20
SUNRISE: 0448				JUN 16				SUNSET: 1932				SUNRISE: 0449				JUN 22				SUNSET: 1934							
01	OVC	080		10.00		66	63	64	90	8	03	29.84	30.04	01	OVC	012		10.00		63	62	62	97	7	01	29.98	30.19
04	BKN	095		10.00		65	61	63	87	7	04	29.84	30.04	04	OVC	022		10.00		62	62	62	100	8	01	29.98	30.18
07	OVC	075		10.00		67	63	64	87	6	02	29.86	30.06	07	BKN	010		10.00		63	61	62	93	12	03	30.01	30.21
10	OVC	140		10.00		74	61	66	64	12	08	29.88	30.08	10	BKN	027		10.00		69	59	63	70	10	06	30.01	30.21
13	OVC	027		10.00		71	62	65	73	12	10	29.86	30.06	13	BKN	250		10.00		76	58	65	54	7	08	29.98	30.18
16	OVC	015		6.00	-RA BR	67	64	65	91	6	07	29.84	30.04	16	SCT	NC		10.00		78	55	64	45	9	07	29.95	30.14
19	OVC	150		10.00		66	63	64	90	0	00	29.83	30.03	19	CLR	NC		10.00		73	55	62	53	7	08	29.94	30.14
22	OVC	150		10.00		65	63	64	93	0	00	29.85	30.05	22	CLR	NC		10.00		62	57	59	84	6	09	29.96	30.16
SUNRISE: 0448				JUN 17				SUNSET: 1932				SUNRISE: 0449				JUN 23				SUNSET: 1934							
01	OVC	130		7.00	-RA	63	63	63	100	6	05	29.81	30.01	01	CLR	NC		10.00		58	56	57	93	0	00	29.96	30.16
04	OVC	060		5.00	BR	63	63	63	100	0	00	29.81	30.01	04	FEW	NC		10.00		55	54	54	96	0	00	29.95	30.14
07	OVC	065		7.00		64	63	63	96	8	06	29.80	30.00	07	CLR	NC		10.00		64	58	60	81	5	35	29.97	30.17
10	OVC	016		10.00		66	62	64	87	7	07	29.82	30.02	10	FEW	NC		10.00		74	56	63	54	6	VR	29.98	30.18
13	OVC	011		6.00	BR	65	63	64	93	3	05	29.82	30.02	13	BKN	250		10.00		80	54	64	41	8	07	29.94	30.14
16	BKN	020		10.00		68	65	66	90	6	03	29.82	30.02	16	BKN	250		10.00		80	53	64	39	8	10	29.89	30.09
19	OVC	017		10.00		67	64	65	91	8	36	29.85	30.05	19	BKN	250		10.00		72	53	61	52	8	13	29.90	30.10
22	SCT	NC		8.00		63	62	62	97	10	36	29.91	30.11	22	SCT	NC		10.00		62	53	57	73	6	12	29.93	30.13
SUNRISE: 0448				JUN 18				SUNSET: 1933				SUNRISE: 0449				JUN 24				SUNSET: 1934							
01	CLR	NC		10.00		59	54	56	83	12	35	29.94	30.14	01	SCT	NC		10.00		57	53	55	87	3	17	29.92	30.12
04	FEW	NC		10.00		55	52	53	90	10	35	29.98	30.18	04	SCT	NC		10.00		57	56	56	96	0	00	29.90	30.10
07	SCT	NC		10.00		57	50	53	78	16	01	30.03	30.23	07	SCT	NC		6.00	BR	63	59	61	87	0	00	29.92	30.12
10	OVC	018		10.00		60	53	56	78	13	35	30.07	30.28	10	OVC	250		10.00		73	63	67	71	9	15	29.90	30.10
13	BKN	025		10.00		68	56	61	66	13	02	30.06	30.27	13	OVC	250		10.00		78	62	68	58	7	17	29.88	30.08
16	SCT	NC		10.00		70	54	61	57	9	36	30.05	30.26	16	OVC	250		10.00		79	59	67	50	10	19	29.82	30.02
19	SCT	NC		10.00		68	54	60	61	3	04	30.08	30.28	19	OVC	250		10.00		73	64	67	74	7	11	29.82	30.01
22	CLR	NC		9.00		60	56	58	86	0	00	30.12	30.32	22	BKN	250		10.00		66	63	64	90	7	13	29.84	30.04

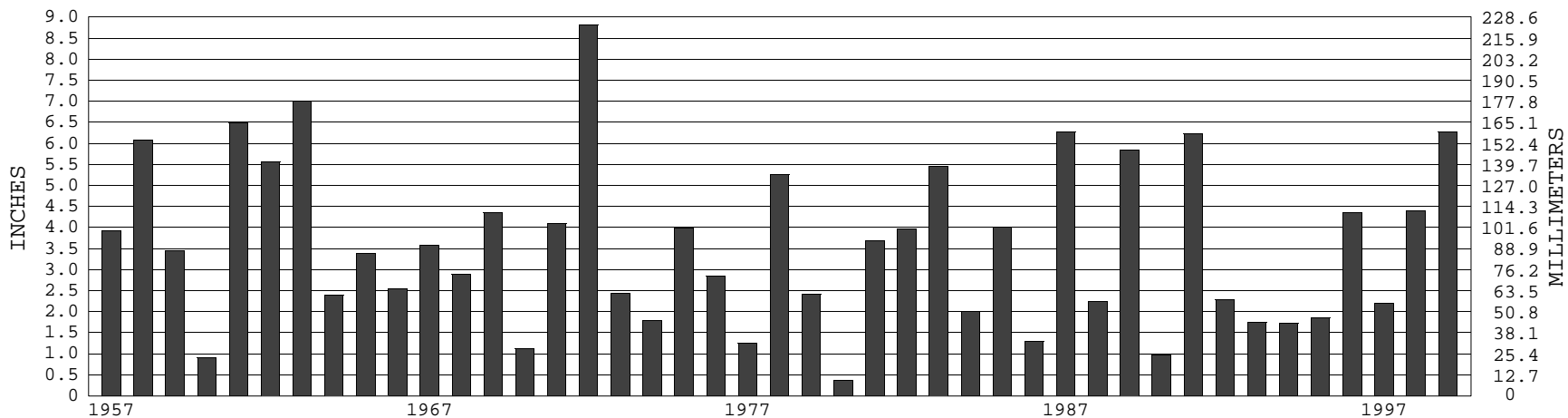
RICHMOND, VA JUNE TEMPERATURES



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

Long-Term (1957-1999) Mean: 73.9 1961-1990 Normal: 73.9

RICHMOND, VA JUNE PRECIPITATION



Long-Term (1957-1999) Mean Monthly Total: 3.58

1961-1990 Normal: 3.62



JUNE 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.

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