



JUNE 2017 LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
01	87	62	75	5	59	65	0	10		0		0.0	0.00	29.82	30.00	5.8	28	7.1	23	26	20	27	01	
02	85	61	73	3	52	61	0	8		0		0.0	0.00	29.83	30.03	5.0	34	5.7	22	34	17	34	02	
03	87	56	72	2	54	62	0	7		0		0.0	0.00	29.85	30.03	2.5	28	4.6	23	30	15	31	03	
04	89	58	74	4	61	66	0	9		0		0.0	0.00	29.78	29.95	7.8	20	8.8	25	22	20	22	04	
05	74	66	70	0	67	68	0	5	RA BR	0		0.0	0.09	29.60	29.77	4.8	26	8.2	21	23	16	23	05	
06	81	63	72	2	59	64	0	7		0		0.0	0.00	29.56	29.76	5.4	36	7.1	20	36	15	01	06	
07	73	58	66	-5	55	59	0	1		0		0.0	0.00	29.73	29.94	6.9	07	9.0	24	10	20	09	07	
08	72	54	63*	-8	53	57	2	0		0		0.0	0.00	29.76	29.93	6.2	03	6.7	21	04	16	01	08	
09	82	53*	68	-4	55	61	0	3		0		0.0	0.00	29.70	29.91	4.0	27	6.1	20	28	15	29	09	
10	89	60	75	2	61	66	0	10		0		0.0	0.00	29.86	30.06	6.1	22	6.6	22	24	18	22	10	
11	94*	66	80	7	64	70	0	15		0		0.0	0.00	29.94	30.13	6.9	22	7.2	19	22	16	22	11	
12	91	66	79	5	67	71	0	14		0		0.0	0.00	29.91	30.09	5.2	20	6.4	17	21	14	21	12	
13	91	70	81	7	70	73	0	16	RA	0		0.0	T	29.82	29.99	6.1	20	7.2	25	22	21	23	13	
14	93	67	80	6	69	72	0	15	TS TSRA RA BR	0		0.0	0.87	29.77	29.96	1.4	36	4.7	25	10	20	09	14	
15	85	69	77	3	69	71	0	12	BR	0		0.0	0.00	29.78	29.96	4.6	09	5.7	16	09	13	12	15	
16	84	70	77	3	71	72	0	12	TS TSRA RA BR	0		0.0	0.01	29.72	29.90	3.7	14	4.5	24	15	20	15	16	
17	86	71	79	5	72	73	0	14	TS TSRA RA FG+ BR	0		0.0	0.49	29.72	29.91	5.6	17	6.7	32	18	24	18	17	
18	88	72	80	6	73	75	0	15		0		0.0	0.00	29.72	29.90	12.0	20	11.4	25	21	20	20	18	
19	90	71	81	7	72	74	0	16	TS TSRA RA BR	0		0.0	0.70	29.72	29.91	13.6	21	14.6	35	23	25	24	19	
20	80	67	74	-1	68	70	0	9	RA HZ	0		0.0	0.01	29.83	30.03	7.6	21	7.9	16	24	13	20	20	
21	87	68	78	3	69	72	0	13	RA	0		0.0	0.01	29.83	30.02	9.9	21	10.2	22	23	17	22	21	
22	88	71	80	5	71	74	0	15		0		0.0	0.00	29.83	30.02	8.1	22	8.3	19	23	15	23	22	
23	90	73	82*	7	72	75	0	17	RA BR	0		0.0	0.14	29.70	29.86	12.8	21	13.2	32	22	23	23	23	
24	90	71	81	6	69	73	0	16	RA	0		0.0	0.01	29.65	29.86	9.3	25	11.9	39*	20	29*	21	24	
25	86	69	78	2	63	69	0	13		0		0.0	0.00	29.83	30.02	4.0	30	7.2	19	25	16	27	25	
26	84	59	72	-4	56	62	0	7		0		0.0	0.00	29.88	30.06	2.8	23	5.1	23	22	16	23	26	
27	83	61	72	-4	54	62	0	7		0		0.0	0.00	29.83	30.03	2.3	30	6.1	21	26	18	26	27	
28	81	57	69	-7	53	60	0	4		0		0.0	0.00	29.98	30.18	1.4	14	6.1	17	02	12	14	28	
29	88	61	75	-1	61	66	0	10		0		0.0	0.00	29.98	30.16	9.5	20	9.9	27	23	21	20	29	
30	91	68	80	3	67	71	0	15		0		0.0	0.00	29.88	30.07	12.7	20	13.1	27	19	21	19	30	

85.6		64.6		75.1		☼	63.5		67.8		0.1		10.5		< MONTHLY AVERAGES TOTALS >		0.0		2.33		29.80		29.98		4.0		22		7.9		< MONTHLY AVERAGES	
-0.5		0.1		-0.2			<-----DEPARTURE FROM NORMAL----->										-1.60		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 0.87 DATE : 14										SEA LEVEL PRESSURE												
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :					MAXIMUM : 30.22 29 0754																	
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :					MINIMUM : 29.67 24 0354																	
HEATING :		2		-5		3171		-602		NUMBER OF DAYS WITH		MAXIMUM TEMP >= 90 : 8		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 9																
COOLING :		315		0		538		62		THUNDERSTORMS : 4		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 4																
												HEAVY FOG : 1				SNOWFALL >= 1.0 INCH : 0																

JUNE 2017
RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
JUNE 2017

WBAN # 13740

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	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													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05				T	0.01	T	0.01	0.01	T	T	0.02	0.02	05	0.01	T		0.01	T					T	T	05	0.09	0.09	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13				T	T							13	T	T	
14													14			T	T	T	0.67	0.08	0.10	0.02	T		14	0.87	0.87	
15													15												15	0.00	0.00	
16		T	T										16								T	0.01	T	T	16	0.01	0.01	
17				T	T								17			0.24	0.25	T							17	0.49	0.49	
18													18												18	0.00	0.00	
19													19			0.06	0.41	0.02	0.03	0.11	0.02	0.04	0.01		19	0.70	0.70	
20			T	0.01									20										T		20	0.01	0.01	
21	T	T	T	T	0.01								21												21	0.01	0.01	
22													22												22	0.00	0.00	
23				T	0.08	0.05	0.01	T					23												23	0.14	0.14	
24		0.01											24												24	0.01	0.01	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.23	0.40	0.51	0.56	0.64	0.67	0.68	0.71	0.74	0.79	0.83	0.86
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	1724	1728	1733	1738	1741	1755	1810	1828	1851	1911	1934	2009

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

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.

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).

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

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

RICHMOND, VA JUNE 2017

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

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.

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

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	10.00	10.00
02	10.00	10.00
03	10.00	10.00
04	8.00	10.00
05	3.00	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	10.00	10.00
12	10.00	10.00
13	9.00	10.00
14	3.00	10.00
15	1.00	10.00
16	6.00	10.00
17	0.25	10.00
18	7.00	10.00
19	3.00	10.00
20	10.00	10.00
21	10.00	10.00
22	9.00	10.00
23	3.00	10.00
24	10.00	10.00
25	10.00	10.00
26	10.00	10.00
27	10.00	10.00
28	10.00	10.00
29	10.00	10.00
30	10.00	10.00
AVGS	8.08	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
1	6	23

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
JUNE 2017 **KRIC**

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						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	BKN	120	10.00		66	60	62	81	5	26	29.84	30.03	01	BKN	300	10.00		63	51	56	65	6	35	29.66	29.85
04	FEW	100	10.00		63	59	61	87	3	20	29.82	30.01	04	BKN	300	10.00		60	51	55	72	10	36	29.66	29.85
07	SCT	300	10.00		72	61	65	68	5	30	29.86	30.05	07	BKN	300	10.00		63	57	60	81	7	04	29.72	29.91
10	SCT	300	10.00		82	57	67	42	5	30	29.86	30.05	10	BKN	050	10.00		67	59	62	76	10	11	29.74	29.93
13	SCT	300	10.00		86	55	67	35	9	29	29.81	30.00	13	BKN	090	10.00		68	57	62	68	11	09	29.76	29.95
16	OVC	300	10.00		87	57	68	36	11	29	29.77	29.96	16	BKN	300	10.00		69	55	61	61	13	08	29.78	29.97
19	BKN	300	10.00		81	56	66	42	7	27	29.77	29.96	19	BKN	300	10.00		65	55	59	70	9	08	29.80	29.99
22	BKN	300	10.00		71	62	65	73	7	17	29.80	29.99	22	BKN	050	10.00		60	54	57	80	5	09	29.85	30.04
SUNRISE: 0450 JUN 02					SUNSET: 1925								SUNRISE: 0448 JUN 08					SUNSET: 1928							
01	BKN	300	10.00		67	56	61	68	8	35	29.80	29.99	01	SCT	042	10.00		56	53	54	90	3	04	29.83	30.02
04	CLR	NC	10.00		63	53	57	70	6	36	29.83	30.01	04	OVC	300	10.00		55	53	54	93	6	01	29.79	29.98
07	FEW	300	10.00		71	54	61	55	0	00	29.86	30.05	07	BKN	300	10.00		57	54	55	90	8	02	29.81	30.00
10	FEW	300	10.00		81	47	62	30	9	32	29.86	30.05	10	BKN	300	10.00		63	53	57	70	14	04	29.80	29.99
13	FEW	080	10.00		84	49	64	30	11	34	29.82	30.01	13	BKN	300	10.00		69	53	60	57	10	05	29.74	29.94
16	SCT	085	10.00		81	50	63	34	7	34	29.80	29.99	16	BKN	047	10.00		68	52	59	57	9	06	29.68	29.87
19	FEW	150	10.00		79	53	64	41	6	36	29.82	30.01	19	SCT	055	10.00		67	53	59	61	3	05	29.66	29.85
22	CLR	NC	10.00		66	57	61	73	0	00	29.87	30.06	22	CLR	NC	10.00		58	54	56	87	0	00	29.68	29.87
SUNRISE: 0449 JUN 03					SUNSET: 1925								SUNRISE: 0448 JUN 09					SUNSET: 1929							
01	FEW	200	10.00		59	54	56	83	0	00	29.87	30.06	01	FEW	300	10.00		55	53	54	93	0	00	29.66	29.85
04	FEW	200	10.00		58	53	55	84	0	00	29.85	30.04	04	FEW	300	10.00		57	53	55	87	6	27	29.64	29.84
07	SCT	300	10.00		69	58	62	68	5	25	29.88	30.07	07	FEW	300	10.00		64	55	59	73	10	26	29.69	29.88
10	FEW	300	10.00		81	51	63	35	11	23	29.87	30.06	10	FEW	300	10.00		75	56	64	52	9	32	29.72	29.91
13	FEW	150	10.00		86	49	64	28	3	30	29.83	30.01	13	BKN	300	10.00		79	54	64	42	9	34	29.71	29.90
16	SCT	300	10.00		84	50	64	31	6	28	29.79	29.98	16	SCT	300	10.00		79	52	63	39	5	29	29.71	29.90
19	SCT	300	10.00		82	52	64	35	3	31	29.80	29.99	19	CLR	NC	10.00		76	54	63	47	7	21	29.74	29.93
22	FEW	300	10.00		69	59	63	70	8	10	29.84	30.03	22	CLR	NC	10.00		66	57	61	73	0	00	29.81	30.00
SUNRISE: 0449 JUN 04					SUNSET: 1926								SUNRISE: 0448 JUN 10					SUNSET: 1929							
01	BKN	300	10.00		65	60	62	84	0	00	29.85	30.04	01	CLR	NC	10.00		65	57	60	76	0	00	29.83	30.01
04	SCT	300	10.00		61	60	60	97	0	00	29.85	30.04	04	CLR	NC	10.00		62	57	59	84	0	00	29.81	30.00
07	SCT	300	10.00		67	60	63	79	6	16	29.84	30.03	07	BKN	300	10.00		69	58	62	68	6	24	29.87	30.06
10	FEW	300	10.00		80	60	67	51	9	19	29.83	30.01	10	SCT	300	10.00		82	60	68	47	13	23	29.90	30.09
13	FEW	300	10.00		88	58	69	36	13	21	29.74	29.93	13	SCT	055	10.00		87	62	71	43	13	23	29.88	30.07
16	BKN	300	10.00		87	60	70	40	15	20	29.69	29.87	16	SCT	300	10.00		87	60	70	40	11	21	29.85	30.03
19	BKN	300	10.00		81	63	69	54	5	18	29.67	29.86	19	SCT	300	10.00		83	63	70	51	7	21	29.87	30.06
22	OVC	300	10.00		74	64	68	71	15	22	29.67	29.86	22	SCT	300	10.00		71	65	67	81	5	18	29.93	30.12
SUNRISE: 0449 JUN 05					SUNSET: 1926								SUNRISE: 0448 JUN 11					SUNSET: 1930							
01	OVC	300	10.00		71	67	68	87	8	20	29.67	29.86	01	CLR	NC	10.00		68	64	66	87	7	21	29.92	30.11
04	OVC	130	10.00	-RA	71	68	69	90	10	21	29.63	29.81	04	FEW	300	10.00		68	64	66	87	5	20	29.93	30.12
07	OVC	110	8.00	-RA	71	69	70	94	10	25	29.65	29.84	07	FEW	300	10.00		74	66	69	76	10	25	29.98	30.17
10	OVC	065	10.00	-RA	74	69	71	85	9	26	29.62	29.80	10	CLR	NC	10.00		87	65	72	48	0	00	29.98	30.17
13	OVC	060	9.00	-RA	71	69	70	94	10	30	29.57	29.76	13	SCT	060	10.00		91	62	72	38	5	27	29.96	30.14
16	OVC	065	9.00	-RA	70	68	69	93	6	02	29.52	29.71	16	SCT	065	10.00		91	63	72	39	10	22	29.92	30.11
19	BKN	300	10.00		70	63	66	79	6	33	29.50	29.69	19	CLR	NC	10.00		85	65	72	51	9	21	29.91	30.10
22	OVC	150	10.00		68	66	67	93	0	00	29.52	29.71	22	CLR	NC	10.00		74	66	69	76	6	21	29.93	30.11
SUNRISE: 0449 JUN 06					SUNSET: 1927								SUNRISE: 0448 JUN 12					SUNSET: 1930							
01	BKN	300	10.00		67	65	66	93	7	24	29.52	29.70	01	CLR	NC	10.00		75	65	69	71	6	24	29.92	30.11
04	OVC	300	10.00		64	62	63	93	3	23	29.50	29.69	04	CLR	NC	10.00		67	64	65	91	5	20	29.92	30.11
07	OVC	300	10.00		69	65	66	87	6	34	29.56	29.75	07	SCT	300	10.00		77	66	70	69	7	26	29.96	30.15
10	BKN	300	10.00		76	63	68	64	9	34	29.58	29.77	10	BKN	300	10.00		87	66	73	50	0	00	29.95	30.14
13	BKN	300	10.00		78	60	67	54	8	33	29.57	29.76	13	BKN	300	10.00		91	63	72	39	7	16	29.91	30.10
16	BKN	300	10.00		78	55	64	45	10	02	29.57	29.76	16	BKN	300	10.00		89	66	74	47	11	22	29.86	30.04
19	BKN	300	10.00		73	54	62	51	7	04	29.60	29.79	19	BKN	300	10.00		83	71	75	67	8	20	29.85	30.04
22	BKN	300	10.00		65	54	59	68	6	36	29.65	29.84	22	BKN	300	10.00		76	70	72	82	5	17	29.87	30.06

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JUNE 2017

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0448 JUN 13					SUNSET: 1931					SUNRISE: 0448 JUN 19					SUNSET: 1933										
01	OVC	300	10.00		72	68	69	87	6	20	29.86	30.04	01	CLR	NC	10.00		77	73	74	88	16	20	29.73	29.91
04	OVC	300	10.00		72	68	69	87	3	15	29.85	30.04	04	CLR	NC	10.00		76	71	73	85	14	21	29.73	29.92
07	OVC	300	10.00		76	69	71	79	7	23	29.86	30.05	07	OVC	015	10.00		77	72	74	85	13	20	29.75	29.94
10	BKN	300	10.00		86	71	76	61	5	27	29.85	30.04	10	BKN	024	10.00		82	74	76	77	21	19	29.75	29.93
13	BKN	300	10.00		89	72	77	57	9	15	29.80	29.98	13	SCT	250	10.00		88	73	77	61	18	21	29.70	29.89
16	BKN	300	9.00	-RA	87	74	78	65	14	22	29.75	29.94	16	SCT	095	10.00		87	72	77	61	20	22	29.67	29.86
19	OVC	300	9.00		83	75	77	77	7	20	29.76	29.95	19	OVC	075	10.00	-RA	73	72	72	96	11	28	29.71	29.90
22	BKN	300	10.00		79	67	71	67	5	26	29.78	29.96	22	OVC	100	10.00		72	71	71	97	9	20	29.77	29.96
SUNRISE: 0448 JUN 14					SUNSET: 1931					SUNRISE: 0448 JUN 20					SUNSET: 1933										
01	SCT	300	10.00		71	67	68	87	6	22	29.75	29.94	01	OVC	120	10.00		70	68	69	93	10	23	29.77	29.95
04	FEW	300	10.00		70	68	69	93	6	23	29.74	29.93	04	OVC	090	10.00		68	67	67	96	8	20	29.81	30.00
07	BKN	150	10.00		75	69	71	82	0	00	29.77	29.96	07	OVC	300	10.00		70	67	68	90	9	23	29.84	30.03
10	SCT	200	10.00		86	71	76	61	6	VR	29.79	29.98	10	BKN	300	10.00		77	69	72	77	6	23	29.87	30.06
13	SCT	250	10.00		91	70	76	50	3	VR	29.76	29.95	13	BKN	300	10.00		78	71	73	79	9	20	29.86	30.04
16	BKN	250	10.00	-TSRA	84	68	73	59	9	07	29.71	29.90	16	OVC	300	10.00		79	67	71	67	10	21	29.84	30.03
19	OVC	150	7.00	-RA	71	70	70	96	0	00	29.80	29.99	19	OVC	300	10.00		74	70	71	88	7	20	29.85	30.03
22	BKN	140	9.00		71	70	70	96	5	34	29.80	29.99	22	OVC	300	10.00		72	69	70	91	7	20	29.86	30.05
SUNRISE: 0448 JUN 15					SUNSET: 1932					SUNRISE: 0449 JUN 21					SUNSET: 1933										
01	OVC	020	8.00		71	70	70	96	0	00	29.81	30.00	01	OVC	120	10.00	-RA	72	69	70	91	9	22	29.84	30.03
04	BKN	150	2.50	BR	70	70	70	100	0	00	29.77	29.96	04	OVC	120	10.00		69	67	68	93	8	19	29.83	30.02
07	BKN	130	9.00		73	69	70	87	5	01	29.80	29.99	07	OVC	009	10.00		70	68	69	93	10	23	29.87	30.06
10	BKN	300	10.00		79	71	74	77	7	09	29.80	29.99	10	SCT	250	10.00		78	69	72	74	11	23	29.87	30.06
13	BKN	300	10.00		83	69	74	63	7	13	29.77	29.96	13	SCT	250	10.00		85	69	74	59	10	22	29.82	30.01
16	SCT	300	10.00		82	70	74	67	10	12	29.72	29.91	16	SCT	047	10.00		86	68	74	55	14	21	29.79	29.98
19	FEW	300	10.00		77	68	71	74	7	11	29.73	29.92	19	BKN	300	10.00		82	70	74	67	13	21	29.82	30.01
22	BKN	300	10.00		71	68	69	90	7	09	29.76	29.95	22	SCT	300	10.00		76	71	73	85	8	21	29.84	30.02
SUNRISE: 0448 JUN 16					SUNSET: 1932					SUNRISE: 0449 JUN 22					SUNSET: 1934										
01	OVC	300	8.00		70	68	69	93	3	08	29.73	29.92	01	SCT	300	10.00		72	70	71	94	6	20	29.84	30.03
04	OVC	300	8.00		70	69	69	97	6	15	29.72	29.91	04	BKN	300	9.00		73	70	71	90	9	24	29.84	30.02
07	OVC	009	8.00		71	69	70	94	6	10	29.72	29.91	07	OVC	300	10.00		76	71	73	85	5	25	29.85	30.04
10	OVC	011	7.00		74	70	71	88	3	14	29.74	29.93	10	OVC	300	10.00		84	71	75	65	7	21	29.86	30.04
13	BKN	016	9.00		77	72	74	85	5	16	29.72	29.91	13	OVC	300	10.00		87	70	75	57	9	22	29.85	30.04
16	BKN	250	7.00		82	72	75	72	5	15	29.68	29.87	16	OVC	300	10.00		87	71	76	59	13	21	29.81	30.00
19	BKN	250	10.00		75	71	72	88	13	15	29.68	29.87	19	OVC	250	10.00		82	71	74	69	9	22	29.80	29.98
22	OVC	150	10.00	-RA	72	72	72	100	6	14	29.72	29.91	22	BKN	300	10.00		80	71	74	74	13	23	29.82	30.01
SUNRISE: 0448 JUN 17					SUNSET: 1932					SUNRISE: 0449 JUN 23					SUNSET: 1934										
01	OVC	002	0.25	FG	71	71	71	100	6	15	29.70	29.89	01	OVC	140	10.00		78	70	73	76	10	23	29.79	29.97
04	OVC	180	9.00	-RA	72	71	71	97	5	15	29.70	29.89	04	OVC	110	10.00		76	71	73	85	10	23	29.76	29.95
07	OVC	017	5.00	BR	72	72	72	100	6	20	29.75	29.94	07	OVC	095	10.00		74	73	73	97	10	19	29.76	29.94
10	OVC	012	10.00		75	72	73	90	9	16	29.75	29.94	10	BKN	085	10.00		79	73	75	82	13	21	29.71	29.90
13	BKN	050	10.00		84	71	75	65	8	22	29.70	29.89	13	BKN	250	10.00		89	74	78	61	16	23	29.67	29.85
16	OVC	030	1.00	TS+RA BR	72	71	71	97	16	19	29.73	29.91	16	BKN	250	10.00		89	75	79	63	13	22	29.62	29.80
19	BKN	300	10.00		75	75	75	100	5	18	29.70	29.89	19	BKN	300	10.00		85	72	76	65	11	21	29.59	29.78
22	SCT	300	10.00		73	73	73	100	7	14	29.73	29.91	22	SCT	300	10.00		82	71	74	69	14	20	29.60	29.78
SUNRISE: 0448 JUN 18					SUNSET: 1933					SUNRISE: 0449 JUN 24					SUNSET: 1934										
01	SCT	005	10.00		73	72	72	96	0	00	29.72	29.90	01	OVC	300	10.00		82	73	76	74	22	20	29.54	29.73
04	OVC	008	9.00		74	73	73	97	11	19	29.71	29.90	04	BKN	150	10.00		82	74	76	77	16	21	29.48	29.67
07	OVC	020	8.00		75	74	74	96	10	20	29.76	29.95	07	SCT	300	10.00		81	68	72	65	17	27	29.64	29.82
10	BKN	022	10.00		81	75	77	82	13	21	29.75	29.94	10	FEW	250	10.00		85	64	71	50	15	30	29.70	29.89
13	BKN	050	10.00		86	74	78	67	15	19	29.71	29.90	13	SCT	250	10.00		88	65	73	46	9	29	29.72	29.90
16	SCT	300	10.00		88	74	78	63	20	20	29.66	29.85	16	BKN	250	10.00		88	65	73	46	10	26	29.71	29.90
19	SCT	300	10.00		84	73	76	70	10	19	29.67	29.86	19	BKN	250	10.00		84	70	74	63	8	22	29.73	29.91
22	BKN	210	10.00		80	71	74	74	11	19	29.72	29.91	22	SCT	300	10.00		78	70	73	76	0	00	29.79	29.98

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JUNE 2017

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0450 JUN 25 SUNSET: 1934					01	FEW	300	10.00		77	70	72	79	8	24	29.80	29.98
04	SCT	070	10.00			72	71	71	97	5	22	29.80	29.98				
07	BKN	300	10.00			75	69	71	82	6	35	29.84	30.03				
10	SCT	180	10.00			80	63	69	56	8	36	29.88	30.06				
13	SCT	180	10.00			84	63	70	49	6	VR	29.85	30.04				
16	SCT	250	10.00			83	58	67	43	6	21	29.81	30.00				
19	BKN	230	10.00			80	59	67	49	7	29	29.83	30.02				
22	FEW	300	10.00			75	58	65	55	6	28	29.87	30.06				
SUNRISE: 0450 JUN 26 SUNSET: 1934					01	CLR	NC	10.00		67	60	63	79	6	31	29.88	30.07
04	CLR	NC	10.00			61	58	59	90	0	00	29.89	30.08				
07	FEW	085	10.00			70	57	62	64	5	30	29.92	30.11				
10	FEW	120	10.00			78	54	64	43	5	34	29.93	30.12				
13	SCT	065	10.00			80	54	64	41	3	VR	29.89	30.08				
16	SCT	250	10.00			82	56	66	41	9	22	29.84	30.03				
19	SCT	250	10.00			77	54	63	45	8	21	29.82	30.01				
22	FEW	250	10.00			69	56	61	63	5	21	29.83	30.02				
SUNRISE: 0450 JUN 27 SUNSET: 1934					01	FEW	180	10.00		65	56	60	73	0	00	29.81	30.00
04	BKN	100	10.00			63	57	60	81	3	10	29.82	30.01				
07	BKN	210	10.00			69	58	62	68	6	02	29.86	30.05				
10	SCT	250	10.00			76	54	63	47	0	00	29.87	30.06				
13	SCT	250	10.00			81	51	63	35	3	VR	29.83	30.02				
16	OVC	250	10.00			80	51	63	37	9	23	29.82	30.01				
19	FEW	250	10.00			78	53	63	42	11	25	29.83	30.02				
22	FEW	300	10.00			71	54	61	55	7	25	29.88	30.07				
SUNRISE: 0451 JUN 28 SUNSET: 1934					01	CLR	NC	10.00		63	53	57	70	8	36	29.92	30.11
04	CLR	NC	10.00			60	52	56	75	5	34	29.96	30.15				
07	CLR	NC	10.00			67	54	60	63	3	36	30.01	30.20				
10	FEW	250	10.00			76	51	62	42	10	03	30.03	30.22				
13	SCT	250	10.00			78	49	61	36	3	VR	30.01	30.20				
16	SCT	250	10.00			79	50	62	36	7	19	29.98	30.17				
19	BKN	250	10.00			76	54	63	47	7	15	29.98	30.17				
22	SCT	250	10.00			67	57	61	71	9	15	30.01	30.20				
SUNRISE: 0451 JUN 29 SUNSET: 1934					01	FEW	300	10.00		64	58	61	81	8	18	30.00	30.19
04	FEW	300	10.00			62	60	61	93	0	00	30.00	30.19				
07	BKN	300	10.00			69	61	64	76	7	23	30.04	30.22				
10	BKN	300	10.00			80	61	68	52	11	19	30.01	30.20				
13	BKN	300	10.00			85	63	71	48	16	19	29.96	30.14				
16	BKN	300	10.00			86	62	70	45	16	20	29.94	30.13				
19	BKN	300	10.00			80	61	68	52	9	19	29.92	30.11				
22	BKN	300	10.00			74	60	65	62	9	18	29.94	30.13				
SUNRISE: 0451 JUN 30 SUNSET: 1934					01	BKN	300	10.00		70	66	67	87	7	18	29.92	30.11
04	SCT	300	10.00			70	65	67	84	10	21	29.91	30.10				
07	SCT	300	10.00			73	67	69	81	13	21	29.93	30.12				
10	BKN	300	10.00			85	67	73	55	16	22	29.93	30.11				
13	SCT	300	10.00			89	64	72	43	20	19	29.88	30.06				
16	BKN	300	10.00			90	68	75	48	17	17	29.83	30.01				
19	BKN	250	10.00			84	67	73	57	13	20	29.82	30.01				
22	BKN	250	10.00			78	69	72	74	13	19	29.84	30.03				

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

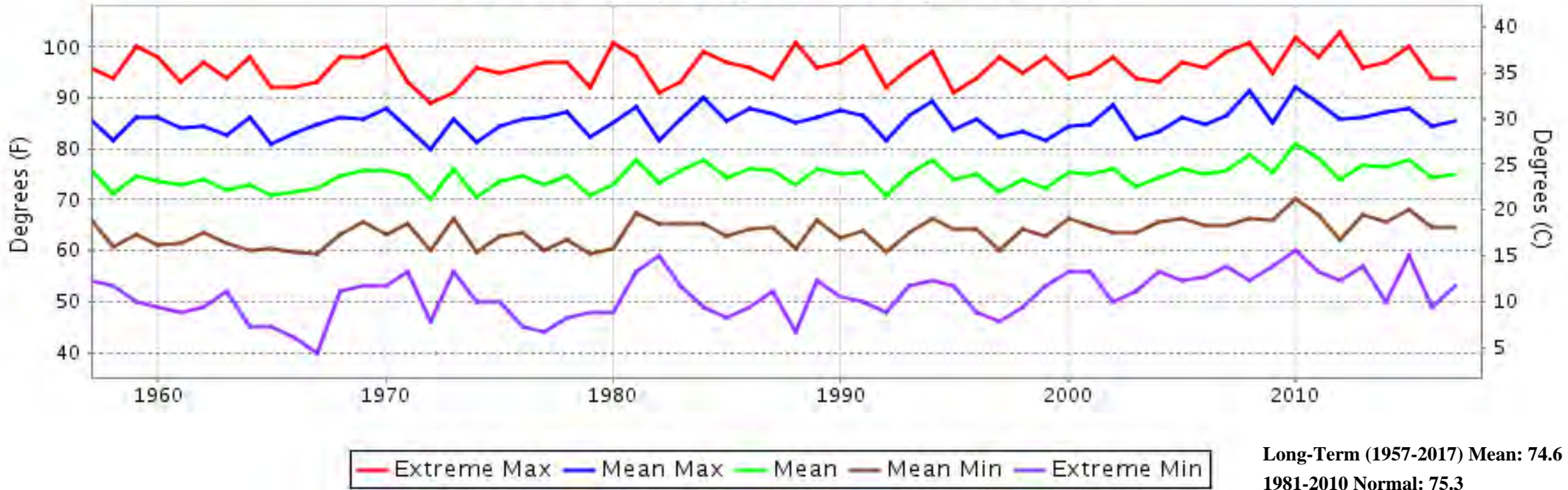
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = Original observation contained additional weather elements. See page 3 for additional notes.

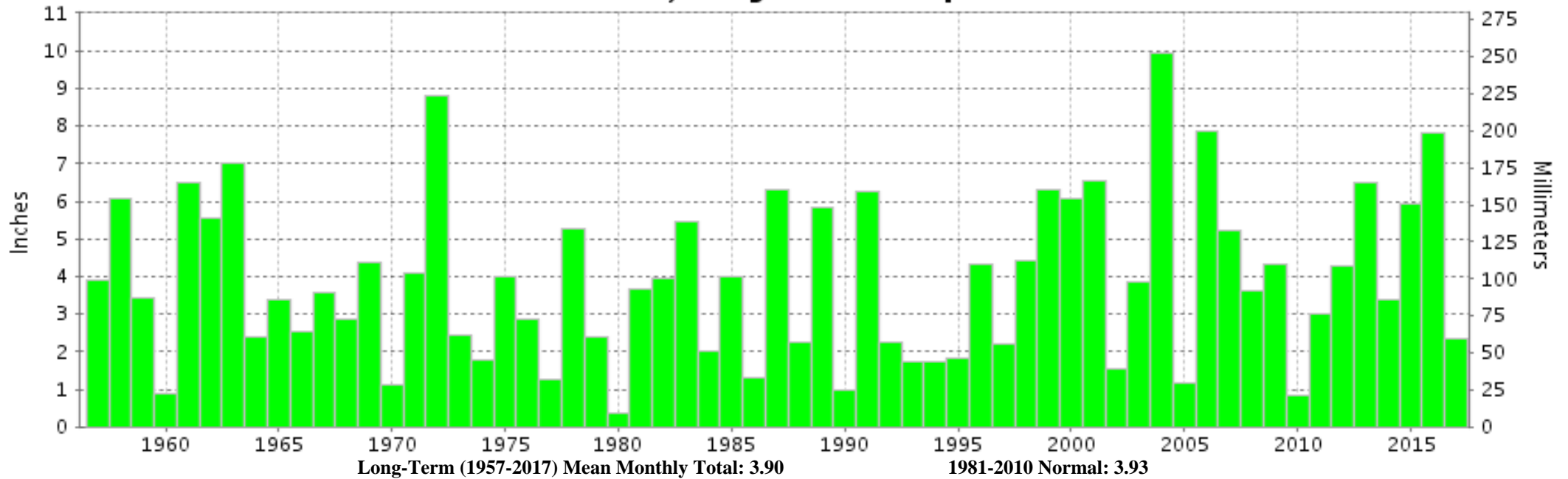
SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	69	64	66	84	29.79	29.98	9.54	6	5	22
02	68	64	65	85	29.79	29.97	9.53	7	4	21
03	68	63	65	86	29.78	29.97	9.50	7	4	22
04	67	63	65	88	29.79	29.97	9.58	6	4	21
05	66	63	64	89	29.80	29.98	9.00	5	5	21
06	68	64	65	88	29.81	30.00	9.33	6	4	21
07	71	64	67	80	29.82	30.01	9.60	7	5	23
08	74	64	68	73	29.83	30.02	9.80	8	4	22
09	77	64	69	66	29.83	30.02	9.90	8	5	22
10	79	64	69	61	29.83	30.01	9.90	9	5	22
11	81	63	70	57	29.82	30.01	9.73	9	6	23
12	82	63	70	54	29.81	30.00	9.90	10	5	22
13	83	63	70	52	29.79	29.98	9.93	9	5	22
14	84	63	71	51	29.78	29.97	9.97	11	5	23
15	84	63	70	51	29.77	29.96	9.90	10	4	21
16	83	63	70	53	29.76	29.95	9.53	11	4	22
17	82	63	70	54	29.76	29.95	9.80	10	4	22
18	81	63	69	57	29.76	29.95	9.60	10	4	22
19	78	64	69	63	29.77	29.96	9.87	8	4	21
20	75	64	68	71	29.78	29.96	9.83	7	4	21
21	73	64	68	74	29.79	29.98	9.93	7	4	20
22	72	64	67	78	29.80	29.99	9.97	7	4	20
23	71	64	67	81	29.80	29.99	9.80	7	4	21
24	70	64	66	83	29.80	29.99	9.60	7	4	21

RICHMOND, VA JUNE Temperatures



RICHMOND, VA JUNE Precipitation





JUNE 2017
RICHMOND, VA

LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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 Centers for Environmental Information (NCEI), Asheville, North Carolina 28801.

A handwritten signature in black ink that reads "Margarita Jee SS".

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