



MARCH 2015 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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	33	23	28	-15	23	27	37	0	RA DZ FZRA FZDZ FG BR	1		0.0	0.16	30.37	30.52	1.2	19	2.5	12	22	8	20	01	
02	54	30	42	-1	29	36	23	0	FG+ FG BR	0		0.0	0.00	30.04	30.27	2.3	01	7.0	23	01	18	01	02	
03	40	28	34	-9	23	30	31	0	RA BR	0		0.0	T	30.14	30.30	4.1	18	6.3	21	21	16	21	03	
04	62	40	51	7	49	51	14	0	RA BR	0		0.0	0.06	29.73	29.92	3.9	23	6.8	25	24	20	24	04	
05	53	26	40	-4	32	34	25	0	RA SN PL FG BR	0		0.3	0.98	29.91	30.15	12.8	01	13.4	32	02	23	02	05	
06	31	16*	24*	-20	10	20	41	0		T		0.0	0.00	30.30	30.51	7.1	36	7.6	23	03	18	01	06	
07	55	18	37	-8	20	31	28	0		0		0.0	0.00	30.14	30.31	7.1	22	7.5	22	23	17	25	07	
08	66	40	53	8	27	41	12	0		0		0.0	0.00	29.98	30.17	8.5	26	9.7	32	31	21	30	08	
09	71	43	57	12	34	45	8	0		0		0.0	0.00	29.99	30.19	2.1	23	3.8	21	22	17	22	09	
10	64	42	53	8	45	50	12	0	RA	0		0.0	T	29.99	30.17	1.8	19	2.7	17	21	14	21	10	
11	66	53	60	14	56	58	5	0	RA DZ FG+ FG BR	0		0.0	0.36	29.90	30.11	2.0	26	6.3	18	22	14	22	11	
12	63	39	51	5	28	42	14	0	DZ BR	0		0.0	T	30.24	30.48	7.2	01	8.2	23	01	18	36	12	
13	59	33	46	-1	27	39	19	0	RA BR	0		0.0	0.07	30.34	30.51	4.0	13	4.5	16	10	13	13	13	
14	57	45	51	4	49	50	14	0	RA BR	0		0.0	0.90	29.86	30.01	6.2	22	7.3	18	27	14	24	14	
15	68	45	57	9	34	47	8	0		0		0.0	0.00	29.77	29.99	10.4	31	11.8	41	32	33	31	15	
16	73	38	56	8	34	45	9	0		0		0.0	0.00	29.83	29.99	4.3	22	4.8	22	25	18	23	16	
17	79*	46	63	15	36	49	2	0		0		0.0	0.00	29.59	29.81	8.7	32	12.4	33	32	28	31	17	
18	57	30	44	-4	15	34	21	0		0		0.0	0.00	29.97	30.18	6.2	36	7.7	40	01	29	01	18	
19	55	34	45	-4	27	38	20	0	RA BR	0		0.0	0.08	30.10	30.31	2.7	15	4.4	24	09	14	21	19	
20	44	38	41	-8	39	40	24	0	RA DZ BR	0		0.0	0.66	29.96	30.14	5.2	01	7.8	17	34	14	34	20	
21	64	38	51	2	40	44	14	0		0		0.0	0.00	29.88	30.07	3.2	22	5.4	20	24	15	22	21	
22	63	44	54	4	37	45	11	0		0		0.0	0.00	29.88	30.08	2.5	05	5.2	18	12	15	36	22	
23	53	38	46	-4	23	37	19	0		0		0.0	0.00	29.99	30.20	5.1	05	6.6	22	04	16	05	23	
24	55	35	45	-5	27	37	20	0	RA	0		0.0	T	30.09	30.30	4.4	08	5.2	18	07	15	06	24	
25	62	39	51	0	34	43	14	0	RA	0		0.0	0.01	30.12	30.30	0.9	08	3.6	12	14	9	07	25	
26	77	48	63*	12	54	58	2	0	RA BR	0		0.0	0.15	29.70	29.84	9.3	19	9.6	40	15	22	21	26	
27	66	40	53	1	38	42	12	0	RA DZ BR	0		0.0	0.30	29.60	29.80	9.2	01	10.4	33	02	24	36	27	
28	44	28	36	-16	15	29	29	0	SN	0		T	T	29.82	30.05	12.8	33	13.7	29	34	24	33	28	
29	50	26	38	-14	8	29	27	0		0		0.0	0.00	30.14	30.32	3.7	30	8.1	21	32	16	34	29	
30	68	41	55	2	25	41	10	0	RA	0		0.0	0.05	29.80	29.98	7.7	25	10.9	28	30	22	27	30	
31	74	36	55	2	30	46	10	0	RA SQ	0		0.0	T	29.66	29.84	7.4	22	13.3	55*	24	40*	25	31	

58.9	36.1	47.5	Σ	31.2	40.6	17.3	0.0	< MONTHLY AVERAGES TOTALS >				0.3	3.78	29.96	30.16	1.7	30	7.6	< MONTHLY AVERAGES			
-1.1	-1.0	-1.1		<----- DEPARTURE FROM NORMAL ----->				-0.26				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 1.00 DATE : 04-05				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY				GREATEST 24-HR SNOWFALL : 0.3 DATE : 05				MAXIMUM : 30.73				01 0154							
TOTAL DEPARTURE				GREATEST SNOW DEPTH : 1 DATE : 01				MINIMUM : 29.60				31 1654							
SEASON TO DATE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 9				PRECIPITATION >= 0.01 INCH : 12			
HEATING : 535 19 3637 185				MAXIMUM TEMP <= 32 : 1				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 7							
COOLING : 0 -6 0 -6				THUNDERSTORMS : 0				HEAVY FOG : 2				SNOWFALL >= 1.0 INCH : 0							

**MARCH 2015
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
MARCH 2015

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								T	T	T	0.01	0.02	01	0.01	0.03	0.02	0.02	0.05	T					01	0.16	0.16		
02													02												02	0.00	0.00	
03													03							T	T			03	T	T		
04	T	T									0.02	0.01	04	0.01					T	T	T	0.01	0.01	04	0.06	0.06		
05	T	0.04	0.01	0.07	0.04	0.02	0.01	0.04	0.05	0.03	0.08	0.17	05	0.05	0.08	0.10	0.09	0.03	0.01	0.04	0.02	T	T	05	0.98	0.98		
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										T	T	T	10						T	T				10	T	T		
11													11	0.01	0.03	0.03	0.04	0.07	0.03	0.03	0.01			11	0.36	0.36		
12	T		0.03	0.02				T	0.01	0.01	T	0.01	12											12	T	T		
13													13							T	T	0.01	0.02	13	0.07	0.07		
14	0.01	0.02	0.05	0.03	0.04	0.02	0.11	T	T			0.02	14	0.09	0.18	0.25	0.08					T	0.02	14	0.90	0.90		
15													15											15	0.00	0.00		
16													16											16	0.00	0.00		
17													17											17	0.00	0.00		
18													18											18	0.00	0.00		
19													19											19	0.08	0.08		
20	0.05	0.06	0.06	0.11	0.11	0.11	0.06	0.05	0.02	0.02	0.01		20				T	T			T	T	0.03	0.03	0.02	20	0.66	0.66
21													21											21	0.00	0.00		
22													22											22	0.00	0.00		
23													23											23	0.00	0.00		
24													24											24	T	T		
25		T	0.01	T	T								25										T	T	25	0.01	0.01	
26			T	T	T		0.06	0.09					26											26	0.15	0.15		
27		T	T	T	T	T	T	0.04	0.04	0.01	0.07	0.11	27	0.01	0.02	T	T	T	T				27	0.30	0.30			
28													28											28	0.00*	T		
29													29											29	0.00	0.00		
30						T	0.01	0.04	T				30											30	0.05	0.05		
31													31											31	T	T		

* 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)	0.11	0.14	0.17	0.18	0.23	0.28	0.34	0.42	0.44	0.49	0.52	0.58
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	1427	1431	1431	1435	1429	1435	1427	1435	1435	1435	1435	1523

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	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

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

RICHMOND, VA MARCH 2015

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:

Station Augmentation-SANDSTON COOP
Lat/Lon:37.54417/-77.27583 Elevation:165
Distance:4 MI Dir:E
Augmented Elements:Temp, Precip, Snow
Equipment:METS, SRG, Snowboard

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	0.50	10.00
02	0.12	10.00
03	2.50	10.00
04	2.50	10.00
05	0.75	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	0.25	10.00
12	10.00	10.00
13	6.00	10.00
14	1.50	10.00
15	10.00	10.00
16	10.00	10.00
17	10.00	10.00
18	10.00	10.00
19	5.00	10.00
20	2.00	10.00
21	9.00	10.00
22	9.00	10.00
23	10.00	10.00
24	10.00	10.00
25	10.00	10.00
26	5.00	10.00
27	4.00	10.00
28	10.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	7.04	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	8	19

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
MARCH 2015 **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: 0641					MAR 01					SUNSET: 1803					SUNRISE: 0632					MAR 07					SUNSET: 1809				
01	BKN	250	10.00		24	12	21	60	0	00	30.53	30.73	01	CLR	NC	10.00		21	14	19	74	0	00	30.24	30.45				
04	BKN	200	10.00		24	15	21	68	0	00	30.47	30.67	04	CLR	NC	10.00		19	14	18	81	3	20	30.19	30.39				
07	OVC	033	10.00		27	17	24	66	0	00	30.46	30.66	07	CLR	NC	10.00		20	13	18	74	7	20	30.21	30.41				
10	OVC	033	10.00	-FZDZ	29	20	26	69	0	00	30.44	30.64	10	CLR	NC	10.00		37	19	31	48	6	23	30.19	30.39				
13	OVC	020	2.00	-FZDZ BR	29	25	28	85	0	00	30.34	30.54	13	CLR	NC	10.00		49	20	38	32	10	22	30.12	30.32				
16	OVC	019	2.00	-FZRA BR	31	28	30	89	0	00	30.23	30.43	16	CLR	NC	10.00		54	23	41	30	13	22	30.04	30.23				
19	OVC	003	4.00	BR	32	30	31	92	5	21	30.17	30.37	19	CLR	NC	10.00		45	25	37	46	9	20	30.02	30.22				
22	OVC	004	2.00	BR	33	30	32	89	6	23	30.10	30.30	22	CLR	NC	10.00		45	25	37	46	13	20	30.00	30.19				
SUNRISE: 0640					MAR 02					SUNSET: 1804					SUNRISE: 0631					MAR 08					SUNSET: 1810				
01	OVC	002	0.50	FG	33	31	32	92	9	20	30.00	30.20	01	CLR	NC	10.00		44	25	37	47	13	21	29.98	30.17				
04	VV	002	0.12	FG	33	32	33	96	7	21	29.94	30.14	04	CLR	NC	10.00		41	25	35	53	6	21	29.97	30.16				
07	OVC	003	1.25	BR	34	33	34	97	7	23	29.95	30.14	07	BKN	250	10.00		43	25	36	49	8	26	29.99	30.18				
10	OVC	006	3.00	BR	38	34	36	86	14	03	30.07	30.27	10	BKN	250	10.00		57	27	44	32	18	25	30.01	30.21				
13	BKN	250	10.00		50	35	43	57	11	36	30.08	30.27	13	BKN	250	10.00		63	28	47	27	17	30	29.98	30.17				
16	OVC	250	10.00		53	29	43	40	8	01	30.07	30.27	16	BKN	250	10.00		65	28	48	25	11	26	29.94	30.13				
19	OVC	250	10.00		42	20	34	41	5	06	30.15	30.35	19	SCT	250	10.00		59	27	45	29	6	27	29.98	30.17				
22	OVC	250	10.00		37	16	30	42	3	03	30.22	30.42	22	BKN	250	10.00		46	31	40	56	0	00	29.99	30.19				
SUNRISE: 0638					MAR 03					SUNSET: 1805					SUNRISE: 0630					MAR 09					SUNSET: 1811				
01	OVC	300	10.00		32	18	27	56	7	04	30.22	30.42	01	OVC	200	10.00		43	33	39	68	0	00	29.97	30.16				
04	OVC	300	10.00		32	16	27	52	0	00	30.23	30.42	04	OVC	140	10.00		47	31	40	54	0	00	29.95	30.14				
07	OVC	300	10.00		30	17	26	58	0	00	30.25	30.45	07	OVC	170	10.00		45	33	40	63	0	00	29.99	30.18				
10	OVC	050	10.00		33	17	28	52	6	10	30.26	30.45	10	OVC	170	10.00		57	31	45	37	3	26	30.02	30.22				
13	OVC	037	10.00		36	20	30	52	7	18	30.15	30.35	13	OVC	250	10.00		66	34	51	30	0	00	30.01	30.21				
16	OVC	027	10.00		37	21	31	52	5	20	30.03	30.23	16	BKN	250	10.00		69	35	52	29	15	24	29.98	30.17				
19	OVC	013	7.00	-RA	36	30	34	79	11	21	29.95	30.14	19	BKN	250	10.00		58	36	48	44	5	20	30.00	30.20				
22	OVC	011	2.50	BR	36	33	35	89	13	20	29.87	30.07	22	FEW	250	10.00		51	35	44	54	3	09	30.05	30.24				
SUNRISE: 0637					MAR 04					SUNSET: 1806					SUNRISE: 0628					MAR 10					SUNSET: 1811				
01	OVC	060	2.50	-RA BR	41	38	40	89	13	19	29.77	29.96	01	FEW	300	10.00		44	34	40	68	0	00	30.05	30.24				
04	OVC	007	10.00		48	45	47	89	15	22	29.70	29.89	04	OVC	150	10.00		45	36	41	71	0	00	30.03	30.23				
07	OVC	007	6.00	BR	53	50	51	89	8	22	29.73	29.93	07	OVC	110	10.00		48	39	44	71	0	00	30.04	30.24				
10	OVC	013	10.00		54	50	52	87	8	22	29.77	29.97	10	OVC	055	10.00		54	44	49	69	0	00	30.08	30.27				
13	OVC	008	10.00		58	52	55	81	6	25	29.74	29.93	13	OVC	060	10.00		57	44	50	62	0	00	30.01	30.20				
16	OVC	035	10.00		62	52	56	70	3	31	29.70	29.89	16	OVC	100	10.00		63	46	54	54	0	00	29.93	30.12				
19	OVC	055	10.00		56	51	53	84	8	04	29.70	29.89	19	OVC	110	10.00		59	53	56	81	3	17	29.88	30.07				
22	OVC	035	10.00	-RA	53	50	51	89	0	00	29.73	29.92	22	BKN	090	10.00		58	53	55	84	6	20	29.86	30.06				
SUNRISE: 0635					MAR 05					SUNSET: 1807					SUNRISE: 0627					MAR 11					SUNSET: 1812				
01	OVC	030	3.00	-RA BR	53	51	52	93	6	36	29.74	29.93	01	OVC	075	10.00		57	51	54	81	0	00	29.86	30.05				
04	OVC	020	3.00	RA BR	46	42	44	86	11	03	29.76	29.95	04	OVC	110	10.00		63	59	61	87	11	22	29.82	30.01				
07	OVC	016	1.50	-RA BR	39	36	38	89	13	02	29.85	30.04	07	OVC	110	10.00		64	60	62	87	11	25	29.86	30.05				
10	OVC	013	4.00	-RA BR	38	35	37	89	10	02	29.91	30.11	10	OVC	090	10.00		65	60	62	84	7	23	29.90	30.09				
13	OVC	037	1.75	-PL BR	34	31	33	89	9	01	29.94	30.14	13	OVC	010	8.00	-RA	62	58	60	86	9	06	29.91	30.10				
16	OVC	070	2.00	-PL BR	32	28	31	85	16	36	29.97	30.16	16	OVC	035	3.00	RA BR	59	55	57	87	7	03	29.92	30.11				
19	OVC	020	0.75	-SN BR	28	24	27	85	16	34	30.11	30.31	19	OVC	050	2.00	-RA BR	57	55	56	93	0	00	29.96	30.15				
22	OVC	050	3.00	-SN BR	27	22	25	81	9	36	30.21	30.41	22	VV	002	0.25	FG	54	52	53	93	0	00	30.02	30.22				
SUNRISE: 0634					MAR 06					SUNSET: 1808					SUNRISE: 0625					MAR 12					SUNSET: 1813				
01	FEW	100	10.00		24	15	21	68	10	36	30.25	30.45	01	SCT	300	10.00		51	49	50	92	9	01	30.08	30.27				
04	CLR	NC	10.00		19	9	16	65	11	36	30.29	30.48	04	CLR	NC	10.00		46	29	39	51	13	01	30.14	30.33				
07	FEW	250	10.00		17	4	14	56	16	35	30.36	30.56	07	BKN	300	10.00		43	28	37	56	6	36	30.24	30.44				
10	CLR	NC	10.00		22	8	18	55	10	01	30.41	30.61	10	BKN	300	10.00		53	27	42	37	15	01	30.32	30.51				
13	CLR	NC	10.00		27	10	22	49	6	33	30.36	30.55	13	BKN	300	10.00		59	26	45	28	6	02	30.33	30.52				
16	FEW	250	10.00		31	10	25	42	5	02	30.28	30.48	16	BKN	250	10.00		62	21	45	21	13	02	30.30	30.49				
19	FEW	250	10.00		27	10	22	49	3	08	30.27	30.47	19	BKN	250	10.00		53	24	41	32	7	04	30.34	30.54				
22	CLR	NC	10.00		23	15	21	72	0	00	30.28	30.48	22	BKN	250	10.00		43	27	37	53	7	12	30.39	30.58				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

MARCH 2015

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: 0624					MAR 13					SUNSET: 1814					SUNRISE: 0615					MAR 19					SUNSET: 1820				
01	BKN	220	10.00		40	29	36	65	0	00	30.39	30.58	01	BKN	250	10.00		40	24	34	53	5	07	30.05	30.25				
04	SCT	200	10.00		37	27	33	67	0	00	30.40	30.59	04	BKN	220	10.00		36	27	33	70	0	00	30.07	30.27				
07	BKN	300	10.00		37	24	32	59	5	06	30.43	30.62	07	BKN	250	10.00		38	29	34	70	0	00	30.12	30.32				
10	BKN	300	10.00		48	17	37	29	7	11	30.41	30.60	10	OVC	250	10.00		49	20	38	32	6	VR	30.16	30.35				
13	BKN	300	10.00		57	19	42	23	7	14	30.33	30.52	13	OVC	250	10.00		54	20	41	26	6	01	30.13	30.33				
16	OVC	085	10.00		56	21	42	26	9	17	30.26	30.45	16	OVC	300	10.00		52	21	40	30	5	17	30.09	30.29				
19	OVC	080	10.00	-RA	50	36	44	59	7	11	30.24	30.43	19	OVC	120	10.00		48	31	41	52	7	17	30.11	30.31				
22	OVC	060	7.00	-RA	45	41	43	86	0	00	30.21	30.40	22	OVC	060	5.00	-RA BR	44	41	43	89	0	00	30.12	30.31				
SUNRISE: 0622					MAR 14					SUNSET: 1815					SUNRISE: 0613					MAR 20					SUNSET: 1821				
01	OVC	060	5.00	-RA BR	45	42	44	90	5	18	30.12	30.31	01	OVC	027	5.00	-RA BR	41	40	41	96	5	12	30.07	30.27				
04	OVC	040	3.00	-RA BR	46	44	45	93	3	18	30.02	30.21	04	OVC	005	3.00	RA BR	42	40	41	92	6	09	30.01	30.21				
07	OVC	008	1.50	-RA BR	48	45	47	89	3	15	29.95	30.14	07	OVC	017	2.00	-RA BR	39	37	38	93	7	09	30.01	30.21				
10	OVC	008	3.00	BR	51	49	50	92	8	23	29.89	30.09	10	OVC	006	2.00	-RA BR	42	40	41	92	5	06	29.96	30.16				
13	OVC	010	2.00	RA BR	54	51	52	90	8	25	29.77	29.96	13	OVC	004	3.00	BR	43	41	42	93	11	34	29.89	30.09				
16	OVC	070	10.00		54	51	52	90	11	21	29.66	29.85	16	OVC	005	4.00	-DZ BR	43	41	42	93	10	34	29.86	30.05				
19	OVC	009	10.00		56	52	54	87	9	22	29.64	29.83	19	OVC	005	5.00	BR	40	39	40	97	10	36	29.89	30.09				
22	BKN	250	10.00		57	53	55	87	7	24	29.68	29.87	22	OVC	006	9.00		39	37	38	93	10	34	29.94	30.14				
SUNRISE: 0621					MAR 15					SUNSET: 1816					SUNRISE: 0612					MAR 21					SUNSET: 1822				
01	BKN	160	10.00		55	52	53	90	6	26	29.70	29.89	01	OVC	009	10.00		38	35	37	89	7	35	29.93	30.13				
04	SCT	300	10.00		54	44	49	69	9	28	29.72	29.91	04	OVC	009	10.00		38	35	37	89	5	34	29.92	30.12				
07	SCT	300	10.00		50	38	44	63	9	26	29.77	29.96	07	OVC	012	10.00		39	35	37	86	3	02	29.94	30.14				
10	SCT	300	10.00		58	35	47	42	17	30	29.82	30.01	10	SCT	250	10.00		44	37	41	76	0	00	29.97	30.16				
13	CLR	NC	10.00		67	31	50	26	16	30	29.78	29.97	13	SCT	120	10.00		57	41	49	55	8	26	29.89	30.09				
16	FEW	050	10.00		76	26	53	16	17	32	29.75	29.94	16	SCT	300	10.00		63	42	52	47	7	21	29.80	29.99				
19	FEW	250	10.00		62	25	46	24	13	35	29.84	30.03	19	OVC	300	10.00		55	45	50	69	8	19	29.79	29.98				
22	FEW	250	10.00		55	27	43	34	0	00	29.92	30.12	22	BKN	300	10.00		50	43	47	77	7	20	29.80	30.00				
SUNRISE: 0619					MAR 16					SUNSET: 1817					SUNRISE: 0610					MAR 22					SUNSET: 1823				
01	CLR	NC	10.00		44	31	39	60	0	00	29.94	30.13	01	BKN	300	10.00		51	44	48	77	0	00	29.81	30.01				
04	BKN	180	10.00		39	31	36	73	0	00	29.94	30.13	04	BKN	300	10.00		49	42	46	77	9	01	29.84	30.04				
07	OVC	150	10.00		42	35	39	76	0	00	29.94	30.14	07	OVC	300	9.00		47	40	44	77	6	04	29.91	30.11				
10	OVC	250	10.00		48	34	42	58	8	18	29.89	30.08	10	OVC	300	10.00		53	36	45	52	13	01	29.95	30.14				
13	OVC	250	10.00		66	37	52	34	7	23	29.77	29.96	13	OVC	300	10.00		58	37	48	46	3	31	29.91	30.10				
16	BKN	250	10.00		70	36	53	29	9	23	29.67	29.86	16	SCT	300	10.00		62	35	49	37	3	01	29.85	30.04				
19	BKN	300	10.00		64	34	50	33	6	23	29.67	29.86	19	OVC	300	10.00		53	40	47	61	11	14	29.86	30.05				
22	BKN	300	10.00		59	37	48	44	0	00	29.68	29.87	22	OVC	200	10.00		48	31	41	52	5	07	29.92	30.11				
SUNRISE: 0618					MAR 17					SUNSET: 1818					SUNRISE: 0609					MAR 23					SUNSET: 1824				
01	BKN	230	10.00		53	40	47	61	0	00	29.64	29.83	01	OVC	045	10.00		47	33	41	59	6	03	29.95	30.14				
04	CLR	NC	10.00		52	38	45	59	3	19	29.58	29.78	04	OVC	047	10.00		46	26	38	46	10	03	29.94	30.14				
07	BKN	240	10.00		61	35	49	38	10	26	29.56	29.75	07	OVC	049	10.00		43	20	35	40	10	05	30.02	30.22				
10	BKN	230	10.00		68	39	53	35	9	26	29.54	29.74	10	OVC	049	10.00		43	17	34	35	11	01	30.07	30.27				
13	OVC	300	10.00		77	46	60	33	14	28	29.52	29.70	13	BKN	075	10.00		49	22	38	35	6	VR	30.03	30.22				
16	OVC	300	10.00		75	46	59	36	22	33	29.55	29.74	16	FEW	250	10.00		52	22	40	31	0	00	29.97	30.16				
19	BKN	300	10.00		64	28	48	26	16	35	29.66	29.85	19	FEW	250	10.00		46	26	38	46	7	10	29.99	30.19				
22	FEW	300	10.00		51	24	40	35	16	36	29.82	30.01	22	BKN	250	10.00		39	24	33	55	6	12	30.05	30.24				
SUNRISE: 0616					MAR 18					SUNSET: 1819					SUNRISE: 0607					MAR 24					SUNSET: 1824				
01	CLR	NC	10.00		42	12	32	29	21	01	29.92	30.11	01	OVC	110	10.00		38	28	34	68	5	11	30.05	30.25				
04	CLR	NC	10.00		36	13	29	39	9	04	29.95	30.14	04	BKN	250	10.00		37	30	34	76	3	06	30.05	30.24				
07	BKN	250	10.00		33	18	28	54	0	00	30.02	30.21	07	BKN	250	10.00		37	32	35	82	3	03	30.10	30.30				
10	BKN	300	10.00		45	14	34	29	10	33	30.05	30.25	10	BKN	250	10.00		46	26	38	46	7	10	30.13	30.32				
13	BKN	300	10.00		52	15	38	23	9	33	29.99	30.18	13	OVC	100	10.00		52	23	40	32	5	05	30.09	30.28				
16	BKN	300	10.00		56	9	39	15	11	32	29.93	30.12	16	OVC	250	10.00		54	26	42	34	0	00	30.08	30.27				
19	BKN	300	10.00		47	20	37	34	5	13	29.97	30.16	19	BKN	250	10.00		47	27	39	46	13	07	30.14	30.34				
22	BKN	300	10.00		40	24	34	53	0	00	30.02	30.21	22	OVC	130	10.00		44	22	36	41	8	09	30.18	30.38				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
MARCH 2015

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: 0606 MAR 25					SUNSET: 1825							
01	OVC	090	10.00		42	27	36	55	5	09	30.19	30.38
04	OVC	090	10.00	-RA	40	31	36	70	0	00	30.18	30.37
07	OVC	090	10.00		41	30	37	65	0	00	30.20	30.39
10	OVC	080	10.00		46	29	39	51	6	09	30.18	30.38
13	OVC	080	10.00		55	34	45	45	6	16	30.11	30.30
16	OVC	050	10.00		60	37	49	42	6	31	30.04	30.23
19	BKN	095	10.00		56	37	47	49	3	33	30.01	30.20
22	OVC	090	10.00		54	38	46	55	0	00	30.00	30.19
SUNRISE: 0604 MAR 26					SUNSET: 1826							
01	BKN	100	10.00		49	41	45	74	0	00	29.93	30.12
04	OVC	005	10.00	-RA	52	45	49	77	0	00	29.85	30.04
07	OVC	012	5.00	RA BR	53	49	51	86	3	VR	29.81	30.01
10	OVC	014	10.00		68	62	64	81	15	18	29.73	29.92
13	BKN	250	10.00		72	62	66	71	15	18	29.59	29.78
16	OVC	300	10.00		77	59	66	54	16	19	29.49	29.67
19	OVC	250	10.00		71	54	61	55	11	21	29.47	29.66
22	OVC	230	10.00		67	54	60	63	10	20	29.49	29.68
SUNRISE: 0603 MAR 27					SUNSET: 1827							
01	OVC	030	10.00		56	46	51	70	20	02	29.54	29.73
04	OVC	032	10.00		49	41	45	74	17	01	29.57	29.76
07	OVC	030	10.00	-RA	45	40	43	83	9	36	29.61	29.80
10	OVC	075	10.00	-RA	44	39	42	83	14	02	29.60	29.80
13	OVC	016	10.00	-RA	42	37	40	82	11	36	29.64	29.84
16	OVC	065	10.00		43	36	40	76	3	03	29.59	29.79
19	OVC	085	10.00		42	37	40	82	3	18	29.61	29.81
22	OVC	120	8.00		42	37	40	82	5	29	29.63	29.82
SUNRISE: 0601 MAR 28					SUNSET: 1828							
01	OVC	070	10.00		41	29	36	62	11	34	29.65	29.85
04	OVC	050	10.00		39	25	34	57	20	35	29.68	29.88
07	SCT	180	10.00		34	18	29	52	14	34	29.78	29.98
10	BKN	055	10.00		36	15	29	42	15	35	29.84	30.03
13	BKN	070	10.00		41	13	32	32	17	31	29.84	30.04
16	BKN	075	10.00		44	10	33	25	20	30	29.86	30.06
19	FEW	075	10.00		34	7	26	32	15	35	29.99	30.19
22	CLR	NC	10.00		31	9	25	40	7	34	30.08	30.27
SUNRISE: 0560 MAR 29					SUNSET: 1829							
01	CLR	NC	10.00		28	10	23	47	5	32	30.10	30.30
04	CLR	NC	10.00		27	9	22	46	10	34	30.14	30.34
07	CLR	NC	10.00		29	6	23	38	10	34	30.21	30.41
10	CLR	NC	10.00		37	5	28	26	14	32	30.24	30.44
13	CLR	NC	10.00		42	5	31	21	5	19	30.18	30.38
16	FEW	300	10.00		48	1	34	14	0	00	30.10	30.29
19	BKN	300	10.00		40	14	31	35	7	19	30.06	30.26
22	OVC	180	10.00		40	18	32	41	8	18	30.02	30.21
SUNRISE: 0558 MAR 30					SUNSET: 1830							
01	OVC	250	10.00		43	16	34	34	14	19	29.95	30.14
04	OVC	065	10.00		44	17	34	34	14	20	29.86	30.06
07	OVC	080	10.00	-RA	43	27	37	53	11	20	29.82	30.02
10	OVC	085	10.00		49	28	40	44	13	22	29.80	30.00
13	BKN	250	10.00		62	34	49	35	11	29	29.72	29.91
16	SCT	080	10.00		65	33	50	31	18	31	29.68	29.87
19	CLR	NC	10.00		61	22	45	22	8	27	29.72	29.92
22	SCT	200	10.00		55	21	41	26	5	30	29.81	30.00

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: 0557 MAR 31					SUNSET: 1831							
01	BKN	200	10.00		43	26	36	51	3	23	29.81	30.00
04	SCT	250	10.00		37	27	33	67	0	00	29.79	29.98
07	FEW	250	10.00		43	29	37	58	0	00	29.81	30.00
10	FEW	250	10.00		63	28	47	27	13	21	29.75	29.94
13	FEW	250	10.00		70	30	51	23	28	20	29.58	29.78
16	FEW	050	10.00		73	31	53	21	25	21	29.44	29.63
19	BKN	100	10.00		74	33	54	22	9	24	29.45	29.64
22	BKN	110	10.00		60	38	49	44	11	02	29.62	29.81

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.

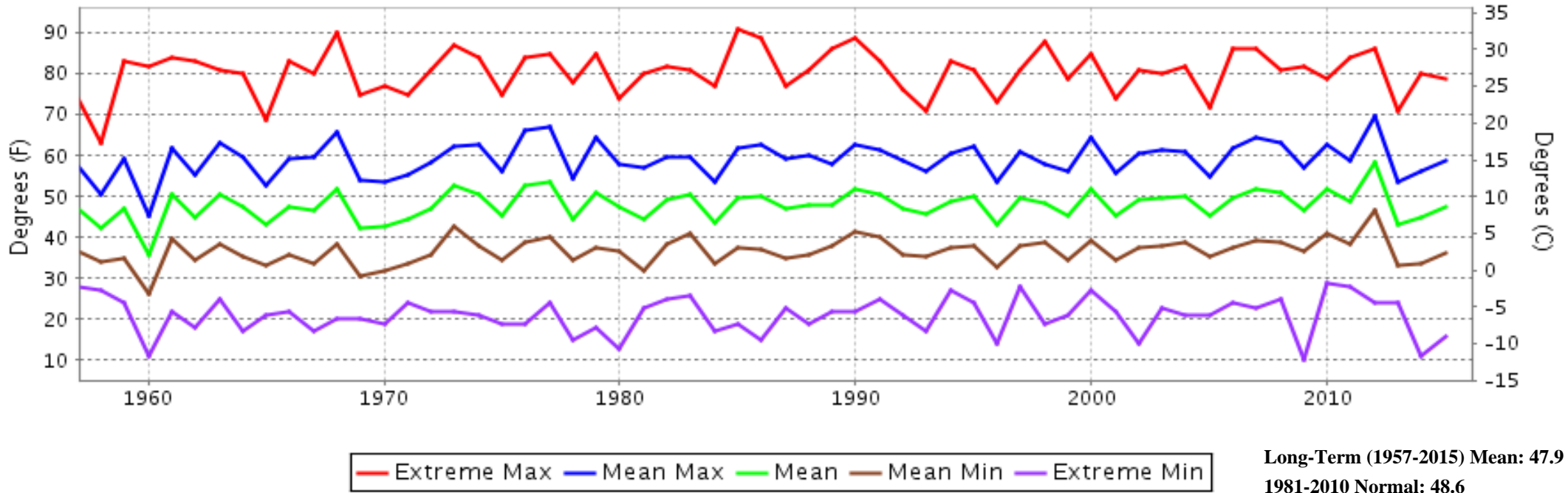
& = Original observation contained additional weather elements.

See page 3 for additional notes.

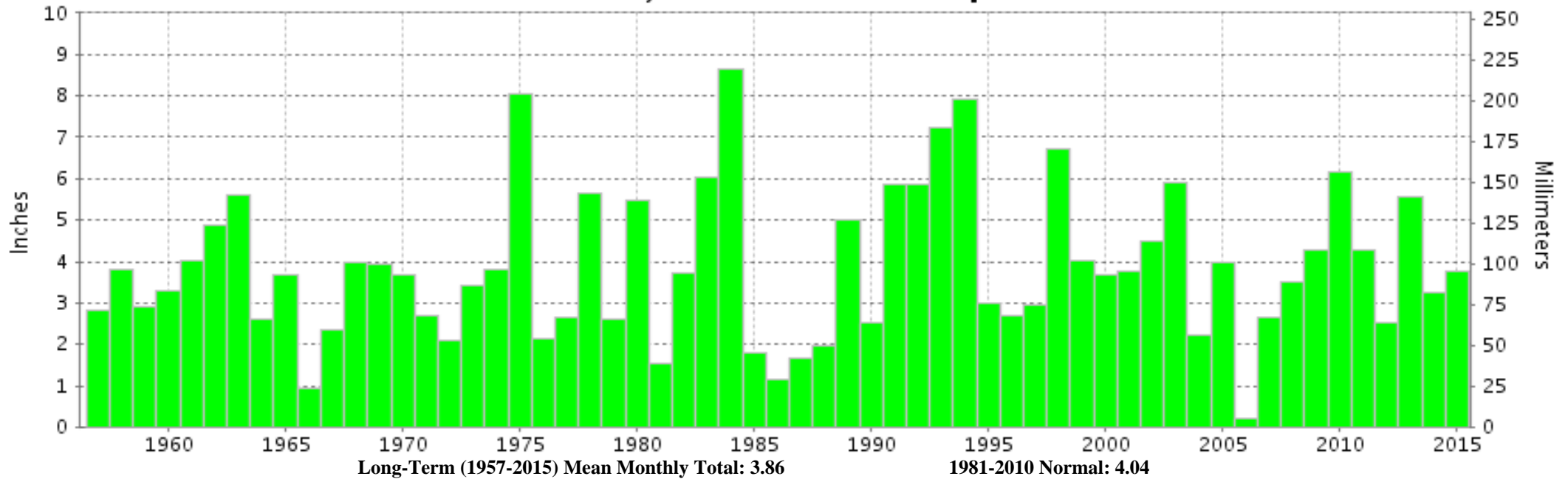
SUMMARY BY HOUR

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	42	31	38	68	29.98	30.18	8.90	6	2	01
02	41	31	37	68	29.98	30.17	8.87	6	2	35
03	41	31	37	69	29.97	30.16	9.01	6	2	34
04	41	30	37	69	29.97	30.16	9.00	6	2	34
05	40	30	36	69	29.98	30.17	8.96	6	2	35
06	40	29	36	68	29.99	30.18	8.95	6	2	34
07	41	30	37	68	30.00	30.19	8.59	6	3	33
08	43	31	38	64	30.01	30.20	8.69	7	2	32
09	46	30	40	58	30.01	30.21	8.96	9	2	32
10	48	30	41	55	30.01	30.21	9.10	9	2	32
11	50	31	42	53	30.00	30.20	8.49	10	3	30
12	52	31	43	50	29.98	30.18	8.74	9	4	30
13	54	32	44	48	29.96	30.15	8.93	9	4	30
14	55	32	45	46	29.93	30.12	8.80	10	4	30
15	56	31	45	46	29.92	30.11	9.10	10	6	29
16	56	31	45	44	29.91	30.10	9.06	9	5	29
17	56	31	45	45	29.90	30.10	9.29	9	4	30
18	53	31	44	48	29.91	30.11	9.23	9	3	30
19	50	32	43	54	29.92	30.12	8.99	8	2	35
20	48	32	42	58	29.94	30.13	8.94	7	2	01
21	47	33	41	61	29.95	30.15	8.94	6	2	35
22	46	33	40	63	29.96	30.15	8.60	5	2	35
23	45	32	40	64	29.96	30.15	8.70	6	2	34
24	44	33	40	66	29.96	30.15	8.69	6	2	35

RICHMOND, VA MARCH Temperatures



RICHMOND, VA MARCH Precipitation





MARCH 2015
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.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

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