



# NOVEMBER 2014 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	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
20	21	22	23	24																				
01	51	41	46	-7	39	44	19	0	RA	0		0.0	0.05	29.59	29.79	13.6	35	14.0	39	36	30	35	01	
02	53	37	45	-8	25	38	20	0	RA	0		0.0	0.0	29.88	30.11	16.2	33	16.4	46*	34	32*	34	02	
03	66	30	48	-4	23	39	17	0		0		0.0	0.00	30.12	30.32	5.3	23	5.8	15	22	12	22	03	
04	75	41	58	6	34	48	7	0		0		0.0	0.00	30.03	30.22	6.9	21	7.2	17	20	14	20	04	
05	70	50	60	8	41	50	5	0		0		0.0	0.00	29.99	30.18	4.1	21	5.1	15	21	13	21	05	
06	66	52	59	7	53	56	6	0	RA DZ	0		0.0	0.20	29.72	29.86	8.0	22	9.8	30	31	23	32	06	
07	63	37	50	-1	33	43	15	0		0		0.0	0.00	29.68	29.91	8.6	31	9.9	33	28	25	29	07	
08	56	29	43	-8	30	38	22	0		0		0.0	0.00	29.85	30.04	3.3	19	3.5	21	18	16	19	08	
09	62	41	52	1	38	45	13	0		0		0.0	0.00	29.78	29.99	0.4	30	2.8	15	17	8	36	09	
10	68	35	52	1	38	44	13	0	MIFG	0		0.0	0.00	29.93	30.13	2.6	12	2.9	17	14	15	14	10	
11	72	42	57	7	52	55	8	0	FG BR	0		0.0	0.00	29.83	30.00	1.5	01	2.6	13	35	9	34	11	
12	76*	50	63	13	48	55	2	0	FG+ FG BR	0		0.0	0.00	29.75	29.97	4.1	36	7.0	24	36	17	02	12	
13	51	38	45	-5	30	39	20	0	RA	0		0.0	0.01	29.91	30.10	9.0	01	9.1	22	01	17	36	13	
14	46	30	38	-11	20	32	27	0	RA BR	0		0.0	0.02	29.98	30.20	10.3	34	10.7	28	31	22	32	14	
15	47	26	37	-12	16	29	28	0		0		0.0	0.00	30.19	30.40	3.0	35	3.5	22	36	17	01	15	
16	52	31	42	-7	27	37	23	0	RA DZ BR	0		0.0	0.02	30.11	30.28	3.4	18	3.9	15	19	12	15	16	
17	58	43	51	2	47	48	14	0	RA FG+ FG BR	0		0.0	0.94	29.61	29.77	5.2	24	7.1	40	18	26	28	17	
18	47	27	37	-12	10	27	28	0		0		0.0	0.00	29.85	30.10	11.4	29	11.8	29	30	22	29	18	
19	41	18*	30*	-19	9	25	35	0		0		0.0	0.00	30.11	30.30	6.7	22	7.6	23	19	17	20	19	
20	57	30	44	-4	20	35	21	0		0		0.0	0.00	29.86	30.05	9.3	23	9.9	32	25	25	24	20	
21	43	26	35	-12	12	28	30	0		0		0.0	0.00	30.18	30.43	4.7	33	5.2	23	33	18	33	21	
22	52	21	37	-10	16	29	28	0		0		0.0	0.00	30.29	30.47	5.0	20	5.1	25	21	20	21	22	
23	61	34	48	1	36	43	17	0	RA BR	0		0.0	0.23	30.01	30.15	4.8	15	5.7	28	14	22	14	23	
24	75	61	68*	21	59	63	0	3	RA	0		0.0	0.09	29.55	29.75	16.5	19	17.1	37	19	30	20	24	
25	68	50	59	13	48	53	6	0	RA BR	0		0.0	0.02	29.80	30.03	0.5	09	5.8	21	02	18	02	25	
26	50	37	44	-2	39	41	21	0	RA DZ PL BR	0		T	1.33	29.80	30.00	9.2	36	11.0	29	31	23	31	26	
27	48	36	42	-4	36	39	23	0	RA BR	0		0.0	0.04	29.88	30.09	2.6	32	4.1	24	34	20	33	27	
28	44	28	36	-9	22	31	29	0		0		0.0	0.00	30.08	30.30	5.7	31	5.8	25	30	18	32	28	
29	52	26	39	-6	26	34	26	0		0		0.0	0.00	30.10	30.29	6.4	18	6.8	20	18	16	18	29	
30	70	36	53	8	37	45	12	0		0		0.0	0.00	30.00	30.20	9.7	21	10.3	30	25	22	24	30	

58.0		36.1		47.1		☼	32.1		41.1		17.8		0.1		< MONTHLY AVERAGES   TOTALS >		T		2.95		29.91		30.11		2.5		27		7.6		< MONTHLY AVERAGES	
-3.4		-3.3		-3.3			<-----DEPARTURE FROM NORMAL----->										-0.29		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
<b>DEGREE DAYS</b>										GREATEST 24-HR PRECIPITATION : 1.35 DATE : 25-26										SEA LEVEL PRESSURE												
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL : T DATE : 26					MAXIMUM : 30.58 22 0854																	
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :					MINIMUM : 29.56 17 1554																	
HEATING :		535		92		670		-6		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 12		PRECIPITATION >= 0.01 INCH : 11																
COOLING :		3		-2		1679		131		THUNDERSTORMS : 0		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 4																
												HEAVY FOG : 2				SNOWFALL >= 1.0 INCH : 0																

**NOVEMBER 2014  
RICHMOND, VA**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)  
NOVEMBER 2014

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	T				T	0.01	T	0.03				01	0.05	0.05	
02													02												02	T	T	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06	T	0.02	0.01									06	0.20	0.20	
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												13	0.01	0.01	
14	0.01	0.01	T										14												14	0.02	0.02	
15													15												15	0.00	0.00	
16													16												16	0.02	0.02	
17	0.04	0.04	0.01										17	0.23	0.20	0.10	0.01	0.04	T						17	0.94	0.94	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.23	0.23	
24	0.06	0.03											24												24	0.09	0.09	
25													25												25	0.02	0.02	
26	0.02	0.05	0.07	0.10	0.10	0.05	0.17	0.20	0.18	0.16	0.09	0.06	26	0.01	0.01	T	0.05	0.01	T	T				26	1.33	1.33		
27						0.01	T	T	T	T	0.01	T	27		T	0.02								27	0.04	0.04		
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)	0.09	0.15	0.18	0.20	0.23	0.28	0.33	0.41	0.47	0.50	0.52	0.57
Ending Date	17	17	17	17	17	17	17	17	17	17	17	26
Ending Time (Hr/Min)	1253	1256	1259	1259	1315	1330	1346	1405	1415	1434	1445	0946

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 NOVEMBER 2014

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	10.00	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	10.00	10.00
06	5.00	10.00
07	10.00	10.00
08	10.00	10.00
09	9.00	10.00
10	7.00	10.00
11	1.00	10.00
12	0.25	10.00
13	7.00	10.00
14	6.00	10.00
15	10.00	10.00
16	4.00	10.00
17	0.25	10.00
18	10.00	10.00
19	10.00	10.00
20	10.00	10.00
21	10.00	10.00
22	10.00	10.00
23	4.00	10.00
24	10.00	10.00
25	3.00	10.00
26	2.50	10.00
27	4.00	10.00
28	8.00	10.00
29	10.00	10.00
30	10.00	10.00
<b>AVGS</b>	7.37	10.00
<b>MINIMUM VISIBILITY (MILES)</b>		
<= .25	<= 3.0	>= 7.0
2	5	20

# OBSERVATIONS AT 3-HOURLY INTERVALS

**RICHMOND, VA**  
**NOVEMBER 2014**      **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				
<b>SUNRISE: 0634</b>					<b>NOV 01</b>					<b>SUNSET: 1712</b>					<b>SUNRISE: 0640</b>					<b>NOV 07</b>					<b>SUNSET: 1706</b>				
01	SCT	130	10.00	-RA	42	36	39	79	6	34	29.59	29.78	01	BKN	095	10.00		51	41	46	69	10	27	29.58	29.77				
04	BKN	130	10.00		43	37	40	80	10	34	29.55	29.74	04	CLR	NC	10.00		47	39	43	74	8	27	29.60	29.79				
07	OVC	027	10.00		47	38	43	71	10	35	29.56	29.75	07	FEW	065	10.00		46	38	42	73	9	27	29.65	29.84				
10	OVC	032	10.00		49	43	46	80	13	36	29.58	29.78	10	CLR	NC	10.00		57	38	48	49	9	31	29.69	29.88				
13	OVC	022	10.00		50	44	47	80	15	35	29.56	29.75	13	BKN	250	10.00		61	34	48	36	17	28	29.70	29.89				
16	OVC	035	10.00		50	43	47	77	10	36	29.60	29.80	16	SCT	250	10.00		60	26	45	27	15	33	29.72	29.91				
19	BKN	095	10.00		49	39	44	69	20	33	29.63	29.83	19	CLR	NC	10.00		50	27	40	41	10	36	29.80	30.00				
22	CLR	NC	10.00		48	35	42	61	17	32	29.67	29.87	22	CLR	NC	10.00		42	26	36	53	7	36	29.89	30.08				
<b>SUNRISE: 0635</b>					<b>NOV 02</b>					<b>SUNSET: 1710</b>					<b>SUNRISE: 0641</b>					<b>NOV 08</b>					<b>SUNSET: 1705</b>				
01	OVC	042	10.00		46	31	40	56	22	34	29.71	29.91	01	CLR	NC	10.00		39	27	34	62	0	00	29.90	30.09				
04	OVC	050	10.00		45	27	38	49	21	32	29.75	29.94	04	CLR	NC	10.00		32	25	29	75	0	00	29.90	30.10				
07	OVC	060	10.00		44	27	37	51	21	33	29.84	30.04	07	FEW	300	10.00		30	25	28	82	0	00	29.92	30.11				
10	BKN	075	10.00		48	27	39	44	22	34	29.92	30.12	10	SCT	300	10.00		47	24	38	41	3	15	29.91	30.11				
13	FEW	050	10.00		51	24	40	35	18	32	29.92	30.11	13	BKN	300	10.00		53	27	42	37	10	19	29.83	30.02				
16	CLR	NC	10.00		52	19	39	27	22	32	29.94	30.13	16	BKN	300	10.00		56	31	45	39	10	22	29.78	29.98				
19	CLR	NC	10.00		46	20	36	35	8	33	30.02	30.22	19	BKN	250	10.00		46	34	41	63	3	13	29.79	29.98				
22	CLR	NC	10.00		41	23	34	49	3	28	30.07	30.27	22	OVC	250	10.00		43	36	40	76	0	00	29.79	29.98				
<b>SUNRISE: 0636</b>					<b>NOV 03</b>					<b>SUNSET: 1709</b>					<b>SUNRISE: 0642</b>					<b>NOV 09</b>					<b>SUNSET: 1704</b>				
01	CLR	NC	10.00		37	24	32	59	0	00	30.08	30.28	01	OVC	150	10.00		47	39	43	74	3	19	29.77	29.96				
04	CLR	NC	10.00		33	23	29	66	3	29	30.11	30.30	04	OVC	170	10.00		49	39	44	69	3	23	29.73	29.93				
07	SCT	300	10.00		33	24	30	70	3	20	30.15	30.35	07	BKN	300	10.00		43	39	41	86	5	19	29.79	29.98				
10	SCT	300	10.00		53	24	41	32	5	26	30.19	30.38	10	BKN	300	10.00		54	39	47	57	7	35	29.82	30.01				
13	FEW	300	10.00		64	15	45	15	7	24	30.14	30.33	13	OVC	300	10.00		62	36	49	38	5	03	29.77	29.96				
16	FEW	300	10.00		65	18	46	16	7	21	30.10	30.29	16	OVC	300	10.00		59	37	48	44	3	07	29.76	29.95				
19	SCT	300	10.00		50	28	41	43	8	21	30.11	30.31	19	BKN	250	10.00		49	39	44	69	0	00	29.81	30.01				
22	BKN	110	10.00		54	29	43	38	10	23	30.10	30.29	22	CLR	NC	10.00		44	38	41	79	0	00	29.85	30.04				
<b>SUNRISE: 0637</b>					<b>NOV 04</b>					<b>SUNSET: 1708</b>					<b>SUNRISE: 0643</b>					<b>NOV 10</b>					<b>SUNSET: 1703</b>				
01	BKN	110	10.00		56	27	44	33	10	25	30.07	30.26	01	CLR	NC	10.00		40	36	38	86	0	00	29.87	30.06				
04	BKN	110	10.00		49	31	41	50	6	19	30.05	30.25	04	CLR	NC	10.00		37	34	36	89	0	00	29.89	30.09				
07	SCT	300	10.00		42	33	38	71	5	19	30.07	30.26	07	FEW	250	7.00		36	32	34	86	0	00	29.95	30.14				
10	OVC	300	10.00		64	32	49	30	5	24	30.07	30.26	10	FEW	250	10.00		57	40	49	53	8	14	29.97	30.17				
13	OVC	300	10.00		73	29	52	19	7	22	30.01	30.20	13	FEW	250	10.00		66	38	52	36	8	13	29.95	30.14				
16	OVC	300	10.00		72	41	56	33	13	20	29.98	30.17	16	SCT	250	10.00		64	39	52	40	9	13	29.93	30.12				
19	OVC	300	10.00		61	40	51	46	10	20	30.00	30.19	19	SCT	250	10.00		51	40	46	66	7	11	29.95	30.15				
22	OVC	300	10.00		61	35	49	38	8	21	30.00	30.19	22	FEW	250	10.00		49	43	46	80	0	00	29.93	30.13				
<b>SUNRISE: 0638</b>					<b>NOV 05</b>					<b>SUNSET: 1707</b>					<b>SUNRISE: 0644</b>					<b>NOV 11</b>					<b>SUNSET: 1702</b>				
01	OVC	300	10.00		57	37	48	47	8	20	29.97	30.16	01	CLR	NC	10.00		42	39	41	89	0	00	29.89	30.09				
04	OVC	240	10.00		56	37	47	49	9	20	29.97	30.16	04	BKN	032	9.00		45	42	44	90	5	33	29.88	30.07				
07	OVC	300	10.00		50	38	44	63	3	19	30.01	30.21	07	OVC	300	5.00		47	44	46	90	0	00	29.88	30.07				
10	OVC	300	10.00		63	39	51	41	6	25	30.04	30.24	10	OVC	300	9.00		54	48	51	80	0	00	29.89	30.08				
13	OVC	180	10.00		68	40	54	36	6	23	30.00	30.19	13	BKN	300	10.00		68	54	60	61	5	11	29.78	29.98				
16	OVC	200	10.00		68	40	54	36	3	33	29.97	30.16	16	BKN	300	10.00		71	59	64	66	0	00	29.74	29.93				
19	OVC	250	10.00		59	45	52	60	5	16	29.98	30.17	19	OVC	014	10.00		66	61	63	84	3	36	29.74	29.94				
22	OVC	200	10.00		58	47	52	67	0	00	29.98	30.17	22	OVC	008	7.00		64	61	62	90	0	00	29.73	29.92				
<b>SUNRISE: 0639</b>					<b>NOV 06</b>					<b>SUNSET: 1706</b>					<b>SUNRISE: 0646</b>					<b>NOV 12</b>					<b>SUNSET: 1701</b>				
01	OVC	180	10.00	-RA	56	49	52	77	6	19	29.91	30.10	01	OVC	004	2.00	BR	64	62	63	93	0	00	29.71	29.90				
04	OVC	100	10.00		59	52	55	78	8	18	29.83	30.02	04	OVC	002	0.50		FG	62	60	61	93	3	27	29.70	29.89			
07	OVC	090	10.00		59	55	57	87	8	21	29.78	29.97	07	VV	002	0.25		FG	59	58	58	96	6	20	29.72	29.91			
10	OVC	100	10.00		64	58	60	81	14	20	29.72	29.91	10	SCT	015	10.00		66	56	60	70	0	00	29.76	29.95				
13	OVC	065	10.00		65	58	61	78	15	22	29.60	29.80	13	FEW	085	10.00		74	50	60	43	13	35	29.74	29.93				
16	BKN	065	10.00		64	58	60	81	10	21	29.52	29.70	16	FEW	095	10.00		71	49	59	46	7	03	29.77	29.96				
19	OVC	095	10.00		58	47	52	67	13	31	29.58	29.77	19	CLR	NC	10.00		57	33	46	41	13	02	29.86	30.05				
22	OVC	110	10.00		53	49	51	86	6	22	29.57	29.76	22	SCT	045	10.00		51	33	43	50	5	36	29.90	30.09				

# OBSERVATIONS AT 3-HOURLY INTERVALS

**RICHMOND, VA**  
**NOVEMBER 2014**

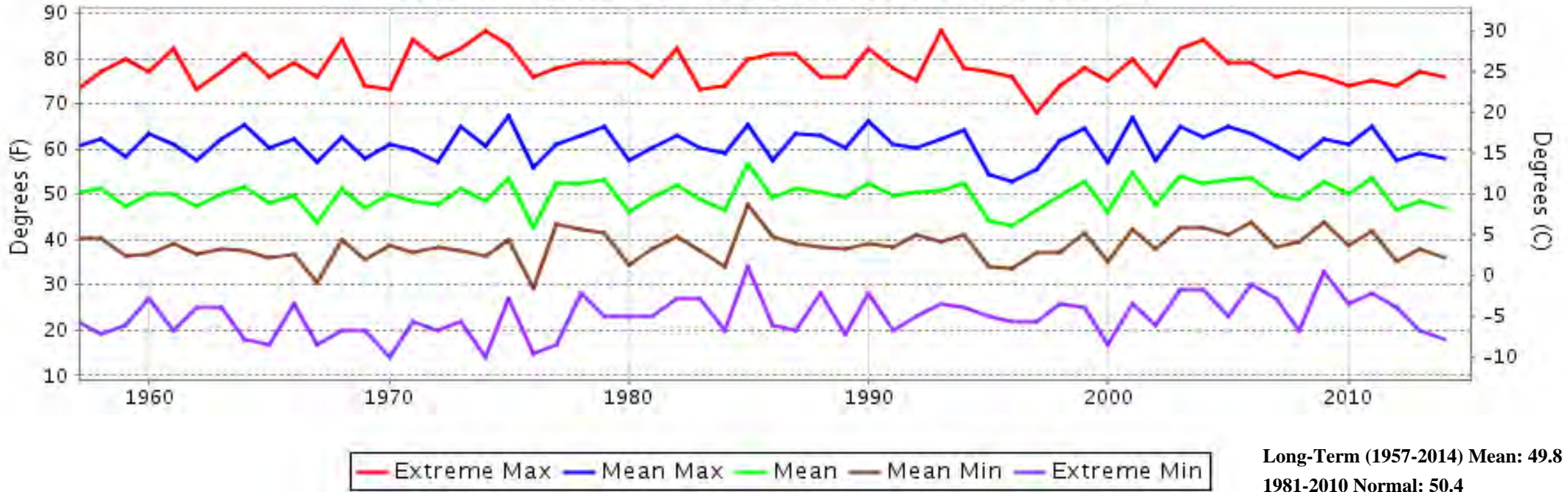
**KRIC**

**WBAN # 13740**

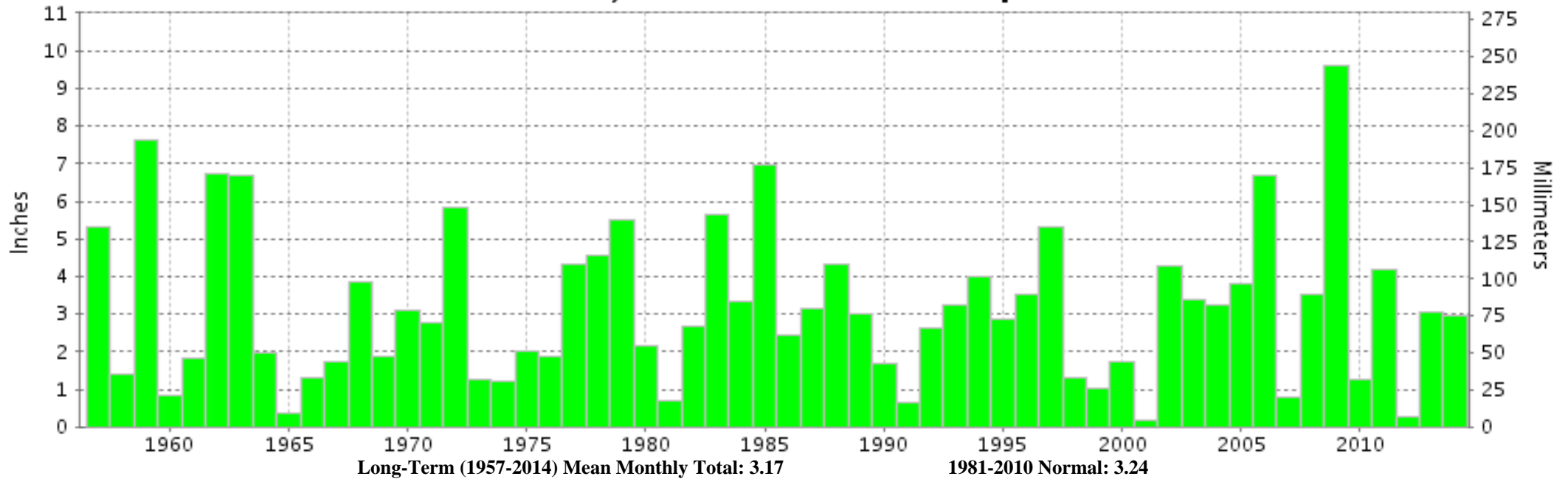
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F						WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F						WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	DRY BULB	DEW POINT						WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
																										RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION
<b>SUNRISE: 0647</b>					<b>NOV 13</b>					<b>SUNSET: 1700</b>					<b>SUNRISE: 0653</b>					<b>NOV 19</b>					<b>SUNSET: 1656</b>				
01	BKN	055	10.00		48	30	40	50	7	02	29.92	30.11	01	CLR	NC	10.00		26	4	20	38	8	28	30.13	30.33				
04	OVC	095	10.00		46	30	39	54	8	36	29.94	30.13	04	CLR	NC	10.00		24	7	20	48	0	00	30.16	30.36				
07	OVC	045	10.00		44	28	38	53	9	01	29.95	30.15	07	CLR	NC	10.00		22	9	19	57	0	00	30.19	30.39				
10	OVC	037	10.00		46	29	39	51	9	02	29.95	30.14	10	FEW	300	10.00		32	6	25	33	5	24	30.20	30.40				
13	OVC	027	10.00		47	30	40	52	6	36	29.87	30.07	13	FEW	300	10.00		38	7	29	27	9	23	30.12	30.32				
16	OVC	025	10.00		46	32	40	58	7	02	29.85	30.05	16	FEW	300	10.00		41	7	30	24	13	21	30.05	30.24				
19	OVC	040	10.00		46	30	39	54	7	01	29.88	30.07	19	SCT	250	10.00		37	11	29	34	14	19	30.02	30.22				
22	OVC	095	10.00	-RA	43	31	38	63	13	36	29.91	30.11	22	FEW	250	10.00		35	14	28	42	11	19	29.99	30.19				
<b>SUNRISE: 0648</b>					<b>NOV 14</b>					<b>SUNSET: 1660</b>					<b>SUNRISE: 0654</b>					<b>NOV 20</b>					<b>SUNSET: 1656</b>				
01	SCT	035	7.00	-RA	38	34	36	86	9	01	29.89	30.08	01	SCT	300	10.00		37	14	29	39	13	21	29.95	30.14				
04	OVC	065	10.00		39	32	36	76	9	35	29.91	30.10	04	FEW	160	10.00		36	15	29	42	9	21	29.90	30.09				
07	OVC	090	10.00		37	21	31	52	16	35	29.97	30.17	07	FEW	300	10.00		32	18	27	56	6	20	29.89	30.09				
10	SCT	250	10.00		40	17	32	40	20	32	30.01	30.21	10	FEW	250	10.00		48	20	37	33	13	22	29.87	30.07				
13	BKN	250	10.00		44	15	34	31	9	32	29.98	30.17	13	FEW	050	10.00		57	22	43	26	17	25	29.78	29.98				
16	BKN	250	10.00		44	15	34	31	11	35	29.99	30.18	16	FEW	070	10.00		56	23	42	28	14	25	29.76	29.96				
19	CLR	NC	10.00		36	15	29	42	10	34	30.07	30.27	19	CLR	NC	10.00		45	24	37	44	6	22	29.82	30.02				
22	CLR	NC	10.00		32	15	27	50	7	33	30.12	30.32	22	CLR	NC	10.00		39	24	33	55	0	00	29.88	30.08				
<b>SUNRISE: 0649</b>					<b>NOV 15</b>					<b>SUNSET: 1659</b>					<b>SUNRISE: 0655</b>					<b>NOV 21</b>					<b>SUNSET: 1655</b>				
01	CLR	NC	10.00		31	14	26	49	8	33	30.14	30.34	01	CLR	NC	10.00		33	24	30	70	0	00	29.95	30.14				
04	CLR	NC	10.00		28	15	24	58	0	00	30.17	30.37	04	CLR	NC	10.00		33	17	28	52	3	02	30.05	30.25				
07	CLR	NC	10.00		26	15	23	63	5	34	30.21	30.41	07	FEW	300	10.00		28	15	24	58	7	36	30.16	30.35				
10	CLR	NC	10.00		40	16	32	38	15	01	30.25	30.45	10	SCT	300	10.00		39	10	30	30	15	34	30.25	30.44				
13	SCT	250	10.00		44	16	34	32	0	00	30.22	30.42	13	SCT	300	10.00		42	6	31	22	10	34	30.27	30.47				
16	BKN	250	10.00		46	14	35	27	0	00	30.19	30.38	16	CLR	NC	10.00		42	6	31	22	9	32	30.30	30.49				
19	FEW	250	10.00		35	18	29	50	0	00	30.22	30.42	19	CLR	NC	10.00		33	12	27	42	0	00	30.35	30.55				
22	SCT	250	10.00		32	20	28	61	0	00	30.21	30.41	22	CLR	NC	10.00		30	12	25	47	0	00	30.38	30.58				
<b>SUNRISE: 0650</b>					<b>NOV 16</b>					<b>SUNSET: 1658</b>					<b>SUNRISE: 0656</b>					<b>NOV 22</b>					<b>SUNSET: 1655</b>				
01	SCT	250	10.00		31	23	28	72	0	00	30.21	30.40	01	CLR	NC	10.00		25	14	22	63	0	00	30.38	30.58				
04	OVC	090	10.00		36	27	33	70	0	00	30.19	30.39	04	CLR	NC	10.00		22	14	20	71	0	00	30.37	30.57				
07	OVC	110	10.00		38	27	34	65	5	20	30.18	30.37	07	SCT	300	10.00		21	14	19	74	0	00	30.38	30.58				
10	BKN	100	10.00		45	24	37	44	9	21	30.17	30.36	10	BKN	300	10.00		40	18	32	41	10	20	30.37	30.57				
13	BKN	070	10.00		49	22	38	35	5	23	30.06	30.26	13	BKN	300	10.00		49	13	36	23	14	18	30.25	30.45				
16	OVC	250	10.00		50	24	40	36	5	16	30.03	30.23	16	BKN	300	10.00		50	13	37	22	10	21	30.20	30.40				
19	OVC	040	10.00		48	27	39	44	3	13	30.01	30.20	19	BKN	250	10.00		42	16	33	35	0	00	30.16	30.36				
22	OVC	030	10.00		46	34	41	63	8	15	29.94	30.13	22	SCT	250	10.00		32	19	28	59	5	19	30.15	30.35				
<b>SUNRISE: 0651</b>					<b>NOV 17</b>					<b>SUNSET: 1658</b>					<b>SUNRISE: 0657</b>					<b>NOV 23</b>					<b>SUNSET: 1654</b>				
01	OVC	003	2.00	-RA BR	44	42	43	93	5	21	29.85	30.04	01	FEW	250	10.00		36	18	30	48	3	13	30.11	30.31				
04	OVC	003	2.00	BR	45	43	44	93	0	00	29.75	29.95	04	FEW	250	10.00		34	20	29	56	3	19	30.09	30.28				
07	VV	002	0.25	FG	45	44	45	97	5	18	29.68	29.88	07	BKN	250	10.00		39	20	32	46	0	00	30.09	30.28				
10	OVC	004	5.00	BR	47	46	47	97	7	16	29.60	29.79	10	OVC	250	10.00		47	26	39	44	6	18	30.07	30.26				
13	OVC	065	0.75	+RA BR	51	49	50	92	6	23	29.47	29.66	13	OVC	250	10.00		55	42	49	62	6	22	29.99	30.19				
16	OVC	080	10.00	-RA	58	57	57	97	7	20	29.37	29.56	16	OVC	120	10.00		56	43	50	62	3	13	29.92	30.11				
19	OVC	035	10.00		53	50	51	89	8	27	29.45	29.64	19	OVC	038	10.00	-RA	55	49	52	80	10	12	29.83	30.03				
22	OVC	050	10.00		51	42	47	71	10	29	29.52	29.71	22	BKN	035	6.00	-RA BR	58	55	56	90	11	13	29.70	29.89				
<b>SUNRISE: 0652</b>					<b>NOV 18</b>					<b>SUNSET: 1657</b>					<b>SUNRISE: 0658</b>					<b>NOV 24</b>					<b>SUNSET: 1654</b>				
01	BKN	070	10.00		44	31	39	60	13	29	29.63	29.83	01	OVC	010	10.00	-RA	64	61	62	90	20	16	29.55	29.74				
04	SCT	046	10.00		37	20	31	50	14	31	29.73	29.92	04	OVC	021	10.00		67	63	65	87	17	19	29.54	29.73				
07	SCT	300	10.00		32	14	26	47	11	30	29.83	30.02	07	SCT	021	10.00		66	60	62	81	17	20	29.54	29.73				
10	SCT	300	10.00		33	6	25	32	16	31	29.92	30.12	10	SCT	024	10.00		68	58	62	70	18	21	29.59	29.78				
13	BKN	300	10.00		37	7	28	28	13	26	29.90	30.10	13	FEW	035	10.00		74	55	63	52	24	19	29.52	29.71				
16	SCT	300	10.00		37	7	28	28	9	25	29.91	30.11	16	SCT	300	10.00		73	56	63	55	21	19	29.53	29.71				
19	FEW	300	10.00		33	2	25	26	9	29	30.03	30.22	19	SCT	120	10.00		68	61	64	78	11	20	29.59	29.78				
22	CLR	NC	10.00		29	2	22	31	7	29	30.10	30.30	22	OVC	300	10.00		69	60	64	73	17	20	29.67	29.86				



## RICHMOND, VA NOVEMBER Temperatures



## RICHMOND, VA NOVEMBER Precipitation





**NOVEMBER 2014  
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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