



JANUARY 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				
																		SPEED 20	DIR 21	SPEED 22	DIR 23				
01	49	29	39	2	18	32	26	0		0		0.0	0.00	30.03	30.22	9.3	23	9.6	25	22	21	25	01		
02	52	40	46	9	30	39	19	0	RA	0		0.0	T	30.08	30.30	3.2	23	4.1	16	22	14	22	02		
03	48	41	45	8	38	42	20	0	RA DZ FG BR	0		0.0	0.09	30.19	30.36	2.0	04	3.8	13	10	10	09	03		
04	70*	45	58*	21	50	54	7	0	RA DZ FG+ FG BR	0		0.0	0.06	29.78	29.96	9.7	22	11.7	39	29	31	29	04		
05	56	29	43	6	19	35	22	0		0		0.0	0.00	30.04	30.29	10.0	30	11.4	33	30	24	29	05		
06	44	28	36	0	17	28	29	0		0		0.0	0.00	30.06	30.24	1.4	04	4.4	18	02	14	02	06		
07	36	17	27	-9	9	23	38	0		0		0.0	0.00	29.96	30.20	11.2	32	12.9	37	32	28	32	07		
08	26	12*	19*	-17	-3	14	46	0		0		0.0	0.00	30.34	30.52	3.2	25	8.0	28	35	22	35	08		
09	46	23	35	-1	7	26	30	0		0		0.0	0.00	29.99	30.19	9.2	23	11.9	33	21	22	20	09		
10	36	20	28	-8	5	21	37	0		0		0.0	0.00	30.30	30.54	2.0	34	2.9	14	33	12	33	10		
11	45	17	31	-5	14	27	34	0	RA	0		0.0	T	30.41	30.62	3.9	16	4.3	15	17	10	18	11		
12	44	35	40	4	38	39	25	0	RA DZ FG BR	0		0.0	0.71	30.12	30.28	2.0	01	4.1	21	01	15	02	12		
13	42	30	36	0	26	33	29	0	RA DZ FZRA FZDZ BR	0		0.0	T	30.22	30.45	11.6	03	11.8	25	03	20	03	13		
14	31	27	29	-7	27	28	36	0	RA DZ FZRA FZDZ PL BR	0		0.1	0.22	30.13	30.31	9.1	35	9.2	22	36	16	35	14		
15	37	30	34	-2	31	33	31	0	SN BR HZ	T		T	T	29.97	30.16	1.5	22	3.7	10	21	8	21	15		
16	53	27	40	4	28	35	25	0	MIFG BCFG BR	0		0.0	0.00	29.85	30.07	4.5	30	6.4	25	31	20	31	16		
17	44	27	36	0	24	31	29	0		0		0.0	0.00	30.12	30.32	4.3	14	5.3	18	14	15	15	17		
18	55	39	47	11	39	43	18	0	RA BR	0		0.0	1.54	29.77	29.93	3.8	25	5.4	20	27	16	26	18		
19	55	33	44	8	29	38	21	0		0		0.0	0.00	29.77	29.97	3.0	26	4.3	17	28	13	24	19		
20	60	31	46	10	33	39	19	0		0		0.0	0.00	29.74	29.94	2.9	02	3.8	17	03	13	04	20		
21	43	27	35	-1	32	35	30	0	RA BR	0		0.0	T	29.90	30.11	4.8	02	5.2	16	36	14	36	21		
22	51	26	39	3	30	34	26	0	FG+ FZFG BR HZ	0		0.0	0.00	30.08	30.30	2.6	01	3.3	16	31	13	31	22		
23	42	33	38	2	31	35	27	0	RA BR	0		0.0	0.47	30.10	30.23	2.3	09	3.6	15	07	12	08	23		
24	44	35	40	4	35	37	25	0	RA DZ BR	0		0.0	0.36	29.41	29.61	7.7	31	9.8	24	31	18	30	24		
25	54	32	43	7	31	38	22	0		0		0.0	0.00	29.65	29.86	4.6	21	7.2	18	28	15	27	25		
26	51	31	41	4	36	38	24	0	RA SN BR	0		T	0.03	29.54	29.72	7.3	01	9.1	26	35	21	35	26		
27	39	30	35	-2	25	30	30	0	SN BR	T		0.2	0.01	29.60	29.83	12.7	34	13.0	30	01	23	34	27		
28	44	25	35	-2	8	26	30	0		0		0.0	0.00	29.98	30.22	10.1	34	10.4	30	35	22	35	28		
29	42	22	32	-5	15	28	33	0	RA	0		0.0	T	30.06	30.23	5.3	17	6.7	20	17	15	18	29		
30	47	25	36	-1	19	32	29	0		0		0.0	0.00	29.85	30.08	10.7	33	12.6	43*	34	31*	34	30		
31	43	19	31	-6	8	23	34	0		0		0.0	0.00	30.11	30.31	3.9	31	5.2		10	26	26	31		
										< MONTHLY AVERAGES TOTALS >						< MONTHLY AVERAGES									
										<----- DEPARTURE FROM NORMAL ----->				0.45		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.54 DATE : 18				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY										GREATEST 24-HR SNOWFALL : 0.2 DATE : 27				MAXIMUM : 30.71				11 1009							
SEASON TO DATE										GREATEST SNOW DEPTH : T DATE : 27+				MINIMUM : 29.48				24 1304							
TOTAL DEPARTURE										NUMBER OF ->				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 23				PRECIPITATION >= 0.01 INCH: 9			
HEATING : 851										DAYS WITH				MAXIMUM TEMP <= 32 : 2				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH: 5			
COOLING : 0														THUNDERSTORMS : 0				HEAVY FOG : 2				SNOWFALL >= 1.0 INCH : 0			

**JANUARY 2015
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
JANUARY 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													01												01	0.00	0.00	
02													02				T								02	T	T	
03													03			T	T	0.01	0.02	0.02	0.01	T			03	0.09	0.09	
04	0.01	T											04		T						0.02	T	T	T	04	0.06	0.06	
05													05								0.04	0.01			05	0.00	0.00	
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	T	T	
12	T	T	T	0.01	0.06	0.04	0.04	0.10	0.14	0.10	0.04	0.02	12	0.02	T			0.01	0.02	0.05	0.05	0.01	T	T	12	0.71	0.71	
13	T	T	T	T									13										T	T	13	T	T	
14	0.01	T	0.03	0.05	0.07	0.05	0.01	T	T	T			14	T	T									14	0.22	0.22		
15		T	T	T									15												15	T	T	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18			T	0.07	0.05	0.29	0.12	0.30	0.27	0.24	0.17	0.03	18												18	1.54	1.54	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21	T	T										21	T	T	
22													22												22	0.00	0.00	
23													23			T	T	0.03	0.04	0.03	0.05	0.05	0.10	0.07	0.10	23	0.47	0.47
24	0.12	0.10	0.06	0.01	T	0.03	0.01	T	T		T	T	24		0.01	0.02	T								24	0.36	0.36	
25													25												25	0.00	0.00	
26			T	0.01	0.01	0.01	T	T	T	T	T	T	26								T	T	T	T	26	0.03	0.03	
27	T	T				T	T	0.01	T	T	T	T	27	T											27	0.01	0.01	
28													28												28	0.00	0.00	
29													29					T							29	T	T	
30													30												30	0.00	0.00	
31													31												31	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	0.17	0.19	0.25	0.31	0.38	0.45	0.59	0.68	0.76	0.85
Ending Date	18	18	18	18	18	18	18	18	18	18	18	18
Ending Time (Hr/Min)	0552	0554	0554	0803	0802	0815	0832	0904	0911	0923	0919	1025

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 JANUARY 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:MMTS, SRG, Snowboard

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	10.00	10.00
02	10.00	10.00
03	0.50	10.00
04	0.25	10.00
05	10.00	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	0.50	10.00
13	5.00	10.00
14	1.75	7.00
15	2.50	10.00
16	5.00	10.00
17	10.00	10.00
18	1.25	10.00
19	10.00	10.00
20	8.00	10.00
21	3.00	10.00
22	0.00	10.00
23	1.50	10.00
24	1.75	10.00
25	10.00	10.00
26	4.00	10.00
27	2.00	10.00
28	10.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	6.35	9.90
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	11	17

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
JANUARY 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: 0724					JAN 01					SUNSET: 1702					SUNRISE: 0724					JAN 07					SUNSET: 1707				
01	CLR	NC	10.00		32	15	27	50	6	25	30.10	30.30	01	OVC	240	10.00		28	22	26	78	0	00	29.93	30.13				
04	CLR	NC	10.00		32	15	27	50	7	25	30.08	30.28	04	OVC	190	10.00		29	23	27	78	5	20	29.89	30.09				
07	FEW	300	10.00		30	16	26	56	7	22	30.08	30.28	07	OVC	190	10.00		32	21	28	64	7	27	29.86	30.06				
10	BKN	300	10.00		40	16	32	38	14	24	30.12	30.31	10	BKN	250	10.00		35	15	28	44	15	30	29.90	30.10				
13	SCT	300	10.00		47	16	36	29	10	25	29.99	30.19	13	BKN	240	10.00		33	6	25	32	18	33	29.92	30.11				
16	BKN	300	10.00		48	17	37	29	10	24	29.96	30.15	16	SCT	250	10.00		30	-1	22	26	18	33	30.01	30.21				
19	BKN	250	10.00		42	22	35	45	9	21	29.96	30.16	19	FEW	070	10.00		22	-2	17	35	22	35	30.15	30.35				
22	FEW	250	10.00		41	23	34	49	7	22	29.97	30.17	22	FEW	060	10.00		19	-9	14	28	16	32	30.26	30.46				
SUNRISE: 0724					JAN 02					SUNSET: 1703					SUNRISE: 0724					JAN 08					SUNSET: 1708				
01	OVC	200	10.00		42	27	36	55	9	21	29.97	30.17	01	FEW	040	10.00		16	-5	12	38	20	34	30.33	30.53				
04	OVC	230	10.00		41	30	37	65	8	22	29.99	30.19	04	CLR	NC	10.00		13	-4	10	46	6	31	30.37	30.58				
07	BKN	230	10.00		41	30	37	65	6	25	30.04	30.23	07	CLR	NC	10.00		12	-5	9	46	3	29	30.41	30.61				
10	OVC	220	10.00		47	30	40	52	3	27	30.13	30.32	10	CLR	NC	10.00		18	-8	13	31	8	26	30.43	30.64				
13	OVC	160	10.00		51	23	40	33	5	23	30.10	30.29	13	FEW	250	10.00		22	-8	16	26	5	VR	30.35	30.55				
16	OVC	085	10.00		51	26	41	38	3	25	30.14	30.33	16	SCT	250	10.00		26	-8	19	22	9	19	30.28	30.48				
19	OVC	080	10.00		48	34	42	58	0	00	30.19	30.39	19	FEW	250	10.00		19	1	15	45	7	18	30.25	30.45				
22	OVC	100	10.00		46	35	41	66	0	00	30.21	30.41	22	BKN	250	10.00		20	1	16	43	11	19	30.19	30.40				
SUNRISE: 0724					JAN 03					SUNSET: 1704					SUNRISE: 0724					JAN 09					SUNSET: 1709				
01	OVC	300	10.00		41	33	38	73	5	08	30.23	30.43	01	OVC	300	10.00		23	1	18	38	15	20	30.10	30.30				
04	OVC	300	10.00		44	30	38	58	7	10	30.25	30.44	04	OVC	120	10.00		25	2	19	37	17	20	29.97	30.16				
07	OVC	044	10.00	-RA	43	34	39	71	5	35	30.28	30.48	07	OVC	100	10.00		30	9	24	41	15	19	29.94	30.14				
10	OVC	042	10.00		45	35	41	68	0	00	30.29	30.49	10	SCT	085	10.00		35	15	28	44	14	23	29.98	30.18				
13	OVC	037	10.00		47	40	44	77	5	03	30.19	30.38	13	CLR	NC	10.00		44	7	32	22	16	28	29.91	30.11				
16	OVC	011	2.50	-DZ BR	47	43	45	86	5	03	30.10	30.30	16	CLR	NC	10.00		44	6	32	21	11	28	29.93	30.13				
19	OVC	010	3.00	-DZ BR	46	43	45	89	0	00	30.04	30.23	19	FEW	250	10.00		37	6	28	27	8	31	30.02	30.22				
22	OVC	002	1.00	-DZ BR	46	43	45	89	3	26	29.98	30.18	22	FEW	250	10.00		28	10	23	47	6	33	30.09	30.28				
SUNRISE: 0724					JAN 04					SUNSET: 1704					SUNRISE: 0724					JAN 10					SUNSET: 1710				
01	OVC	004	3.00	-DZ BR	45	43	44	93	6	25	29.94	30.14	01	FEW	250	10.00		26	9	21	48	0	00	30.14	30.34				
04	VV	002	0.50	FG	46	44	45	93	5	17	29.88	30.08	04	FEW	250	10.00		25	8	20	48	5	35	30.22	30.42				
07	OVC	002	1.75	BR	49	46	48	90	7	28	29.86	30.06	07	FEW	250	10.00		21	10	18	62	3	35	30.32	30.52				
10	OVC	300	5.00	BR	56	54	55	93	8	21	29.84	30.03	10	CLR	NC	10.00		28	7	22	41	7	32	30.41	30.61				
13	BKN	130	10.00		68	59	63	73	17	19	29.70	29.90	13	CLR	NC	10.00		33	-1	24	23	6	36	30.37	30.58				
16	OVC	140	10.00		67	55	60	66	10	21	29.64	29.83	16	CLR	NC	10.00		36	-3	26	19	5	27	30.36	30.56				
19	OVC	140	10.00		69	57	62	66	17	22	29.64	29.83	19	CLR	NC	10.00		26	4	20	38	0	00	30.40	30.60				
22	OVC	250	10.00		63	48	55	58	13	29	29.74	29.93	22	CLR	NC	10.00		24	5	19	44	0	00	30.43	30.63				
SUNRISE: 0724					JAN 05					SUNSET: 1705					SUNRISE: 0724					JAN 11					SUNSET: 1711				
01	FEW	300	10.00		53	31	43	43	16	29	29.84	30.03	01	CLR	NC	10.00		20	10	17	65	3	10	30.42	30.62				
04	BKN	300	10.00		48	26	39	42	17	31	29.92	30.11	04	CLR	NC	10.00		20	12	18	71	3	12	30.44	30.64				
07	BKN	300	10.00		44	24	36	45	9	28	30.02	30.22	07	CLR	NC	10.00		20	14	18	78	5	17	30.46	30.66				
10	SCT	300	10.00		48	23	38	37	10	28	30.11	30.30	10	BKN	250	10.00		31	21	28	67	8	19	30.51	30.71				
13	SCT	300	10.00		50	13	37	22	20	30	30.09	30.29	13	BKN	250	10.00		43	14	33	31	6	16	30.40	30.60				
16	FEW	300	10.00		49	13	36	23	14	31	30.14	30.34	16	BKN	250	10.00		45	11	34	25	6	19	30.38	30.58				
19	FEW	300	10.00		38	12	30	34	8	34	30.23	30.42	19	OVC	220	10.00		38	15	30	39	5	13	30.38	30.58				
22	SCT	300	10.00		32	10	25	40	6	02	30.28	30.47	22	OVC	150	10.00		38	17	31	43	0	00	30.37	30.57				
SUNRISE: 0724					JAN 06					SUNSET: 1706					SUNRISE: 0724					JAN 12					SUNSET: 1712				
01	OVC	230	10.00		31	10	25	42	5	07	30.23	30.42	01	OVC	049	10.00		37	30	34	76	3	12	30.32	30.51				
04	OVC	170	10.00		29	11	24	47	3	14	30.20	30.40	04	OVC	050	7.00	-RA	37	32	35	82	0	00	30.24	30.44				
07	BKN	170	10.00		30	13	25	49	3	06	30.17	30.37	07	BKN	050	5.00	-RA BR	36	35	36	97	8	30	30.20	30.40				
10	OVC	110	10.00		34	17	28	50	6	12	30.11	30.31	10	OVC	006	1.50	-RA BR	37	36	37	96	0	00	30.11	30.31				
13	BKN	300	10.00		40	21	33	47	3	23	29.92	30.12	13	OVC	008	2.00	-DZ BR	40	39	40	97	0	00	30.02	30.22				
16	BKN	300	10.00		44	11	33	26	6	31	29.91	30.11	16	OVC	004	1.50	BR	42	42	42	100	6	17	29.95	30.14				
19	SCT	300	10.00		35	21	30	57	7	01	29.94	30.14	19	OVC	002	1.75	-RA BR	42	42	42	100	0	00	29.94	30.14				
22	BKN	300	10.00		31	22	28	69	3	35	29.97	30.16	22	OVC	020	10.00		44	43	44	96	10	02	29.99	30.18				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JANUARY 2015

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	
SUNRISE: 0723					JAN 13				SUNSET: 1713				SUNRISE: 0721					JAN 19				SUNSET: 1719				
01	OVC	031	5.00	-DZ BR	42	40	41	92	14	02	30.06	30.25	01	CLR	NC	10.00			42	29	37	60	6	25	29.73	29.92
04	OVC	039	10.00		40	37	39	89	9	02	30.13	30.32	04	OVC	075	10.00			41	30	37	65	3	25	29.74	29.93
07	OVC	030	10.00		38	32	36	79	16	03	30.24	30.44	07	OVC	070	10.00			42	31	37	65	5	25	29.79	29.99
10	OVC	055	10.00		38	29	34	70	15	03	30.32	30.51	10	SCT	060	10.00			47	31	40	54	7	30	29.84	30.04
13	OVC	090	10.00		38	24	33	57	14	03	30.29	30.49	13	SCT	060	10.00			53	28	42	38	7	26	29.80	29.99
16	OVC	200	10.00		36	19	30	50	9	04	30.30	30.50	16	FEW	060	10.00			54	27	43	35	8	24	29.75	29.95
19	OVC	090	10.00		33	17	28	52	11	04	30.33	30.53	19	FEW	250	10.00			43	30	38	60	0	00	29.77	29.97
22	OVC	047	10.00		31	18	27	59	10	02	30.32	30.52	22	CLR	NC	10.00			38	29	34	70	3	06	29.77	29.96
SUNRISE: 0723					JAN 14				SUNSET: 1714				SUNRISE: 0721					JAN 20				SUNSET: 1720				
01	OVC	028	6.00	-FZRA	29	24	27	82	13	01	30.25	30.45	01	CLR	NC	10.00			33	29	31	85	6	02	29.74	29.93
04	OVC	037	5.00	-FZRA BR	28	25	27	88	11	35	30.20	30.40	04	FEW	250	10.00			32	30	31	92	3	36	29.72	29.91
07	OVC	035	2.50	-FZRA BR	28	25	27	88	13	36	30.16	30.36	07	BKN	250	9.00			31	29	30	92	3	32	29.74	29.93
10	OVC	007	2.50	BR	27	26	27	96	9	36	30.14	30.34	10	BKN	250	10.00			41	35	38	79	0	00	29.78	29.97
13	OVC	005	2.00	-FZDZ BR	30	28	29	92	8	36	30.07	30.27	13	BKN	250	10.00			54	37	46	53	0	00	29.72	29.91
16	OVC	007	3.00	BR	31	29	30	92	10	35	30.04	30.24	16	BKN	250	10.00			59	34	47	39	0	00	29.69	29.88
19	OVC	010	6.00	BR	31	29	30	92	6	34	30.05	30.25	19	BKN	250	10.00			48	36	43	63	8	04	29.76	29.96
22	OVC	050	7.00		31	28	30	89	7	36	30.04	30.24	22	OVC	250	10.00			45	35	41	68	9	04	29.81	30.01
SUNRISE: 0723					JAN 15				SUNSET: 1715				SUNRISE: 0720					JAN 21				SUNSET: 1721				
01	OVC	060	5.00	BR	31	28	30	89	6	33	30.02	30.22	01	OVC	250	10.00			40	32	37	73	6	07	29.85	30.05
04	OVC	055	5.00	BR	31	29	30	92	5	33	30.02	30.22	04	OVC	250	10.00			38	32	36	79	6	02	29.85	30.04
07	OVC	046	6.00	BR	31	28	30	89	5	29	30.04	30.24	07	OVC	250	10.00			35	30	33	82	5	04	29.88	30.08
10	OVC	028	7.00		33	28	31	82	0	00	30.04	30.24	10	OVC	250	9.00			41	32	37	70	6	06	29.92	30.11
13	BKN	250	9.00		36	30	34	79	3	10	29.93	30.13	13	OVC	039	9.00	-RA		41	33	38	73	8	36	29.91	30.10
16	OVC	080	4.00	BR	37	33	35	86	6	19	29.91	30.11	16	OVC	024	7.00			41	34	38	76	6	03	29.89	30.09
19	OVC	085	10.00		36	33	35	89	5	19	29.90	30.10	19	FEW	035	7.00			37	33	35	86	3	06	29.94	30.14
22	OVC	090	5.00	BR	35	34	35	96	6	20	29.86	30.06	22	CLR	NC	4.00	BR		32	31	32	96	0	00	29.99	30.19
SUNRISE: 0722					JAN 16				SUNSET: 1716				SUNRISE: 0720					JAN 22				SUNSET: 1722				
01	OVC	100	5.00	BR	36	35	36	97	3	19	29.83	30.03	01	FEW	003	2.00	BR		28	27	28	96	0	00	29.98	30.17
04	FEW	002	7.00	MIFG	31	31	31	100	0	00	29.80	30.00	04	VV	001	0.00	FZFG		28	27	28	96	0	00	30.02	30.22
07	FEW	120	10.00	MIFG	30	30	30	100	3	26	29.81	30.01	07	VV	002	0.12	FZFG		29	28	29	96	3	13	30.05	30.25
10	CLR	NC	10.00		41	30	37	65	6	25	29.85	30.04	10	OVC	002	0.75	BR		33	32	33	96	0	00	30.12	30.32
13	FEW	250	10.00		52	25	41	35	17	32	29.83	30.02	13	BKN	250	9.00			47	34	41	61	5	34	30.11	30.31
16	SCT	250	10.00		51	25	40	36	11	30	29.85	30.04	16	SCT	300	10.00			50	30	41	46	8	36	30.12	30.32
19	CLR	NC	10.00		46	25	38	44	5	31	29.91	30.11	19	BKN	300	10.00			39	31	36	73	8	03	30.17	30.37
22	CLR	NC	10.00		39	24	33	55	8	03	30.00	30.20	22	SCT	300	10.00			36	29	33	76	6	04	30.20	30.40
SUNRISE: 0722					JAN 17				SUNSET: 1717				SUNRISE: 0719					JAN 23				SUNSET: 1723				
01	CLR	NC	10.00		34	22	30	61	0	00	30.07	30.26	01	BKN	250	10.00			35	27	32	72	3	02	30.21	30.40
04	CLR	NC	10.00		31	22	28	69	6	06	30.12	30.32	04	BKN	150	10.00			34	28	32	79	5	03	30.19	30.39
07	CLR	NC	10.00		29	20	26	69	0	00	30.18	30.37	07	OVC	130	10.00			35	28	32	76	0	00	30.20	30.39
10	CLR	NC	10.00		35	21	30	57	7	11	30.25	30.44	10	OVC	250	10.00			39	28	35	65	3	12	30.16	30.36
13	CLR	NC	10.00		40	23	34	51	10	18	30.18	30.37	13	OVC	080	10.00			41	27	36	57	6	19	30.10	30.29
16	BKN	250	10.00		43	23	35	45	13	15	30.11	30.30	16	OVC	075	10.00	-RA		41	31	37	67	6	15	29.99	30.19
19	SCT	250	10.00		37	28	34	70	8	13	30.08	30.28	19	OVC	042	3.00	-RA BR		38	36	37	93	6	08	29.91	30.11
22	SCT	250	10.00		36	30	34	79	7	16	30.05	30.24	22	OVC	016	1.50	-RA BR		36	35	36	97	9	09	29.73	29.92
SUNRISE: 0722					JAN 18				SUNSET: 1718				SUNRISE: 0719					JAN 24				SUNSET: 1724				
01	BKN	070	10.00		39	33	37	79	5	15	30.00	30.19	01	OVC	013	2.50	-RA BR		36	35	36	97	11	36	29.57	29.76
04	OVC	065	5.00	-RA BR	39	37	38	93	0	00	29.91	30.11	04	OVC	006	4.00	-RA BR		36	35	36	97	13	35	29.47	29.65
07	OVC	026	2.00	RA BR	42	41	42	96	0	00	29.81	30.01	07	OVC	029	10.00	-RA		36	35	36	97	6	35	29.36	29.56
10	OVC	050	2.00	RA BR	46	46	46	100	0	00	29.73	29.93	10	OVC	004	5.00	BR		37	36	37	96	7	32	29.39	29.58
13	BKN	030	6.00	BR	49	48	48	97	7	23	29.61	29.80	13	OVC	022	10.00			40	38	39	93	11	32	29.29	29.48
16	SCT	090	10.00		54	45	49	72	10	26	29.58	29.78	16	BKN	100	10.00			43	40	42	89	8	27	29.37	29.56
19	SCT	095	10.00		51	34	43	52	8	27	29.66	29.85	19	FEW	095	10.00			41	38	40	89	8	25	29.44	29.63
22	FEW	075	10.00		47	30	40	52	5	28	29.70	29.89	22	CLR	NC	10.00			39	27	34	62	10	26	29.50	29.70

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
JANUARY 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: 0718 JAN 25 SUNSET: 1725					01	CLR	NC	10.00		37	26	33	65	15	27	29.56	29.76
04	SCT	200	10.00		34	27	31	76	6	24	29.63	29.83					
07	BKN	180	10.00		35	28	32	76	6	29	29.68	29.88					
10	BKN	250	10.00		44	32	39	63	9	25	29.73	29.92					
13	SCT	250	10.00		51	32	43	48	7	19	29.69	29.88					
16	BKN	300	10.00		53	34	44	48	6	19	29.65	29.85					
19	BKN	300	10.00		42	35	39	76	6	13	29.66	29.85					
22	OVC	190	10.00		42	35	39	76	8	15	29.67	29.86					
SUNRISE: 0717 JAN 26 SUNSET: 1726					01	OVC	150	10.00	-RA	41	35	38	79	6	13	29.63	29.83
04	OVC	047	10.00		41	37	39	86	0	00	29.58	29.78					
07	OVC	200	9.00		39	37	38	93	5	06	29.55	29.75					
10	OVC	039	10.00		43	40	42	89	5	05	29.55	29.74					
13	OVC	250	10.00		50	42	46	74	11	01	29.45	29.65					
16	OVC	007	7.00		40	37	39	89	15	36	29.45	29.64					
19	OVC	005	8.00		36	34	35	93	15	34	29.49	29.69					
22	OVC	009	7.00		34	32	33	92	15	35	29.52	29.72					
SUNRISE: 0717 JAN 27 SUNSET: 1728					01	OVC	035	2.00	-SN BR	31	28	30	89	13	35	29.53	29.72
04	OVC	090	10.00		32	25	29	75	16	36	29.53	29.73					
07	OVC	055	5.00	-SN BR	30	25	28	82	13	35	29.59	29.78					
10	OVC	039	10.00		32	25	29	75	17	35	29.64	29.83					
13	OVC	250	10.00		36	26	32	67	14	32	29.61	29.81					
16	OVC	100	10.00		38	24	33	57	14	36	29.63	29.83					
19	OVC	075	10.00		36	24	32	62	11	33	29.70	29.90					
22	BKN	065	10.00		33	22	29	64	10	34	29.74	29.94					
SUNRISE: 0716 JAN 28 SUNSET: 1729					01	FEW	075	10.00		30	19	26	64	11	35	29.81	30.01
04	SCT	095	10.00		29	12	24	49	13	34	29.88	30.08					
07	CLR	NC	10.00		25	11	21	55	9	36	29.97	30.16					
10	CLR	NC	10.00		33	8	26	35	13	35	30.05	30.25					
13	CLR	NC	10.00		40	6	30	24	10	31	30.04	30.24					
16	CLR	NC	10.00		43	3	31	19	10	34	30.04	30.24					
19	FEW	300	10.00		36	2	27	23	8	33	30.10	30.30					
22	CLR	NC	10.00		29	10	24	45	6	36	30.14	30.35					
SUNRISE: 0715 JAN 29 SUNSET: 1730					01	CLR	NC	10.00		25	11	21	55	6	02	30.16	30.36
04	CLR	NC	10.00		24	11	20	57	0	00	30.16	30.36					
07	SCT	250	10.00		23	12	20	63	0	00	30.16	30.36					
10	OVC	200	10.00		30	13	25	49	5	21	30.16	30.36					
13	OVC	250	10.00		40	12	31	32	9	16	30.05	30.25					
16	OVC	100	10.00		42	14	32	32	11	16	29.94	30.14					
19	BKN	110	10.00		40	18	32	41	9	18	29.89	30.09					
22	OVC	250	10.00		38	20	32	48	9	17	29.84	30.04					
SUNRISE: 0714 JAN 30 SUNSET: 1731					01	OVC	250	10.00		41	23	34	49	10	21	29.77	29.97
04	OVC	110	10.00		43	25	36	49	8	25	29.73	29.93					
07	OVC	080	10.00		41	27	36	57	5	33	29.78	29.97					
10	BKN	060	10.00		42	27	36	55	9	34	29.85	30.04					
13	BKN	075	10.00		44	25	37	47	16	35	29.85	30.05					
16	BKN	080	10.00		41	15	32	35	24	33	29.90	30.10					
19	CLR	NC	10.00		34	8	26	34	20	32	30.00	30.20					
22	CLR	NC	10.00		29	9	23	43	13	34	30.07	30.27					

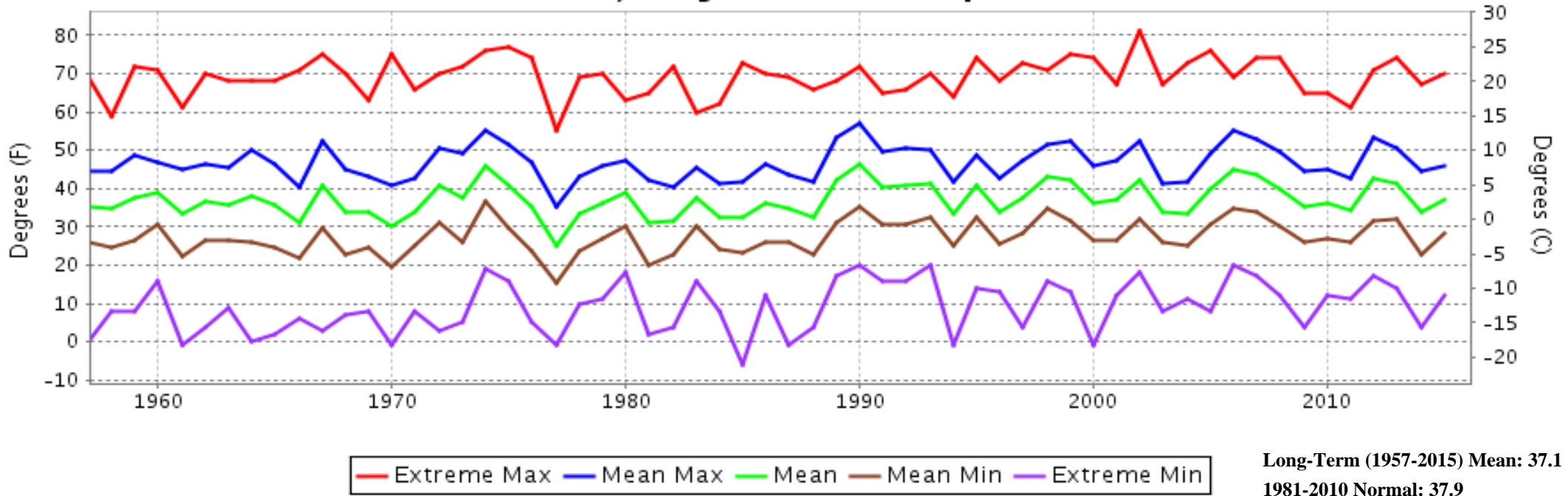
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0714 JAN 31 SUNSET: 1732					01	CLR	NC	10.00		25	8	20	48	9	34	30.09	30.29
04	CLR	NC	10.00		21	8	18	57	6	34	30.11	30.31					
07	CLR	NC	10.00		20	8	17	60	3	30	30.15	30.35					
10	CLR	NC	10.00		28	5	22	37	6	30	30.18	30.38					
13	FEW	250	10.00		37	4	28	25	6	29	30.13	30.33					
16	BKN	300	10.00		42	4	31	20	9	29	30.09	30.28					
19	BKN	300	10.00		32	10	25	40	0	00	30.10	30.30					
22	SCT	300	10.00		28	15	24	58	0	00	30.08	30.28					

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.

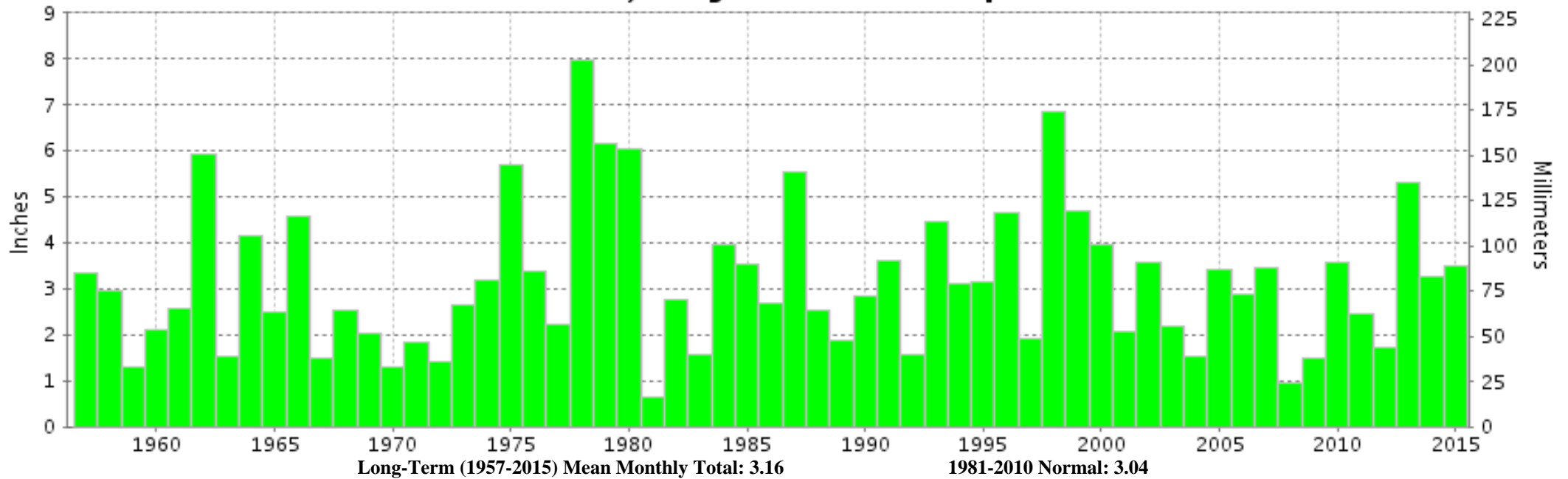
SUMMARY BY HOUR

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	34	24	30	69	29.98	30.18	8.40	7	2	32
02	34	24	30	70	29.98	30.18	8.63	6	2	32
03	33	24	30	71	29.98	30.18	8.61	6	2	32
04	33	24	30	71	29.98	30.17	8.50	6	2	32
05	33	24	30	71	29.98	30.17	8.50	6	3	31
06	33	24	30	73	29.98	30.18	8.23	5	3	31
07	32	24	30	74	29.99	30.19	8.40	6	2	31
08	33	25	30	74	30.00	30.20	7.94	5	3	31
09	35	25	32	70	30.01	30.21	7.92	7	2	31
10	38	25	33	64	30.02	30.22	8.48	7	3	30
11	40	25	35	60	30.01	30.21	8.60	9	4	29
12	42	24	36	55	29.98	30.18	9.06	9	4	29
13	43	24	36	52	29.96	30.15	9.26	9	4	29
14	44	24	37	50	29.94	30.14	9.39	9	5	29
15	44	23	37	49	29.94	30.13	9.03	10	5	29
16	44	23	37	49	29.94	30.14	8.87	9	3	29
17	42	24	36	52	29.95	30.14	8.65	8	3	30
18	40	24	34	56	29.96	30.16	9.02	7	2	33
19	39	24	34	60	29.97	30.17	8.99	7	2	32
20	38	24	33	62	29.97	30.17	8.84	7	2	32
21	37	24	33	63	29.98	30.18	8.63	8	2	33
22	36	24	32	64	29.98	30.18	8.89	7	2	33
23	35	23	31	65	29.99	30.18	8.84	7	2	32
24	34	23	31	65	29.99	30.18	8.65	6	2	32

RICHMOND, VA JANUARY Temperatures



RICHMOND, VA JANUARY Precipitation





**JANUARY 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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