



JANUARY 2016 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	49	36	43	6	34	40	22	0		0		0.0	0.00	29.93	30.14	3.2	32	6.2	17	03	14	02	01	
02	50	28	39	2	26	34	26	0		0		0.0	0.00	29.95	30.13	4.4	24	5.6	19	24	14	22	02	
03	54	28	41	4	26	34	24	0		0		0.0	0.00	29.75	29.95	3.2	25	6.9	27	02	20	02	03	
04	40	25	33	-4	16	28	32	0		0		0.0	0.00	29.90	30.14	12.9	35	13.4	37	35	28	36	04	
05	31	16	24	-13	5	18	41	0		0		0.0	0.00	30.37	30.61	7.9	36	8.6	32	36	25	35	05	
06	43	17	30	-6	18	27	35	0		0		0.0	0.00	30.37	30.54	1.5	35	2.9	9	24	8	36	06	
07	53	35	44	8	35	38	21	0	RA BR	0		0.0	T	30.10	30.27	5.0	01	5.5	14	34	12	35	07	
08	45	36	41	5	41	42	24	0	RA DZ FG BR	0		0.0	0.04	29.95	30.14	5.6	01	5.9	13	03	10	04	08	
09	54	43	49	13	46	47	16	0	RA BR	0		0.0	0.37	29.88	30.04	4.2	03	5.4	22	11	15	10	09	
10	65	38	52*	16	44	50	13	0	RA BR	0		0.0	0.27	29.43	29.63	12.5	24	16.5	39	23	29	26	10	
11	42	25	34	-2	13	27	31	0		0		0.0	0.00	29.85	30.08	8.4	26	9.4	22	24	17	27	11	
12	51	24	38	2	18	31	27	0	RA	0		0.0	T	29.77	29.95	11.1	24	14.2	41	26	31	27	12	
13	36	22	29	-7	6	23	36	0		0		0.0	0.00	29.93	30.14	6.0	28	8.0	29	29	22	30	13	
14	56	23	40	4	23	33	25	0		0		0.0	0.00	29.83	30.03	9.4	21	9.9	28	25	22	23	14	
15	53	32	43	7	34	39	22	0	RA BR	0		0.0	0.60	29.63	29.77	2.1	08	8.9	31	03	25	04	15	
16	59	40	50	14	39	44	15	0	RA BR	0		0.0	0.00	29.43	29.67	7.8	28	10.0	29	04	21	04	16	
17	40	32	36	0	30	33	29	0	SN FG BR	0		0.7	0.23	29.65	29.85	4.9	01	7.7	19	02	15	36	17	
18	33	17	25	-11	6	21	40	0		T		0.0	0.00	29.84	30.09	11.4	31	12.4	28	30	23	30	18	
19	28	15	22*	-14	0	16	43	0		0		0.0	0.00	30.13	30.34	11.2	31	11.3	29	31	23	30	19	
20	33	13*	23	-13	11	21	42	0	SN HZ	0		T	T	30.11	30.29	1.4	20	4.2	17	19	14	21	20	
21	36	24	30	-6	15	25	35	0		0		0.0	0.00	30.06	30.28	8.4	34	9.3	24	35	18	01	21	
22	28	22	25	-11	18	22	40	0	SN PL FG+ FZFG BR	0		6.1	0.89	29.98	30.13	11.1	03	11.8	33	05	24	05	22	
23	28	24	26	-10	23	25	39	0	SN PL FG+ FZFG BR BLSN	6		5.3	0.87	29.36	29.57	21.9	34	22.3	43*	01	37*	01	23	
24	40	17	29	-7	13	24	36	0		9		0.0	0.00	29.83	30.07	7.7	33	8.5	27	35	22	34	24	
25	46	15	31	-5	21	28	34	0		7		0.0	0.00	30.06	30.26	5.0	17	5.2	16	18	14	18	25	
26	55	32	44	7	32	38	21	0		5		0.0	0.00	29.96	30.14	10.7	20	10.8	24	22	21	22	26	
27	47	31	39	2	30	36	26	0	RA	3		0.0	0.01	29.93	30.13	3.9	01	6.9	19	02	16	02	27	
28	43	25	34	-3	26	31	31	0		2		0.0	0.00	29.78	29.94	1.9	20	3.4	11	22	9	19	28	
29	47	24	36	-1	23	32	29	0		1		0.0	0.00	29.54	29.76	9.0	29	10.4	39	30	30	31	29	
30	49	21	35	-2	21	30	30	0		T		0.0	0.00	29.91	30.12	6.6	18	7.2	20	19	15	19	30	
31	65*	33	49	12	36	43	16	0		T		0.0	0.00	29.80	29.99	10.1	20	10.3	26	22	21	22	31	

45.1	26.2	35.7	☼	23.5	31.6	29.1	0.0	< MONTHLY AVERAGES TOTALS >				12.1	3.30	29.88	30.07	3.5	30	9.0	< MONTHLY AVERAGES			
-2.3	-2.1	-2.2		<-----DEPARTURE FROM NORMAL----->					0.26		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 1.35 DATE : 22-23				SEA LEVEL PRESSURE			
MONTHLY				GREATEST 24-HR SNOWFALL : 6.1 DATE : 22				MAXIMUM : 30.68 DATE 05 TIME 2343			
SEASON TO DATE				GREATEST SNOW DEPTH : 9 DATE : 24				MINIMUM : 29.38 DATE 15 TIME 2354			
TOTAL DEPARTURE		TOTAL DEPARTURE		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 24		PRECIPITATION >= 0.01 INCH: 9	
HEATING : 901		59		1896		-365		MAXIMUM TEMP <= 32 : 4		MINIMUM TEMP <= 0 : 0	
COOLING : 0		0		0		0		THUNDERSTORMS : 0		HEAVY FOG : 2	
										PRECIPITATION >= 0.10 INCH: 6	
										SNOWFALL >= 1.0 INCH : 2	

**JANUARY 2016
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
JANUARY 2016

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													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07	T	T	T	T									07												07	T	T	
08	T	T	T	0.01	0.01	T	T	T	T	T	T	T	08				T	T	0.02	T	T	T			08	0.04	0.04	
09													09						T	0.02	0.10	T	0.09	0.16	09	0.37	0.37	
10	0.17	0.05	0.02	T		T	T	0.03	T				10												10	0.27	0.27	
11													11												11	0.00	0.00	
12													12												12	T	T	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15			T	0.06	0.09	0.03	0.01	0.11	0.07	0.13	0.10	15	0.60	0.60	
16	0.02	T	T										16												16	0.02	0.02	
17													17	0.01	T	T									17	0.23	0.23	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	T	T	
21													21												21	0.00	0.00	
22													22	0.09	0.06	0.03	0.03	0.06	0.11	0.04	0.04	0.05	0.05	0.06	0.19	22	0.89	0.89
23	0.27	0.07	T	T	T	T	0.01	0.02	0.02	0.02	0.01	0.03	23	0.06	0.06	0.09	0.04	0.11	0.01	0.01	T	0.03	0.01	T	23	0.87	0.87	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27						T	T	0.01	T	T			27												27	0.01	0.01	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
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	0.09	0.10	0.12	0.16	0.23	0.30	0.36	0.41	0.47	0.56	0.57
Ending Date	23	23	23	23	23	23	23	23	23	23	23	23
Ending Time (Hr/Min)	1601	1601	1613	0015	0026	0045	0050	0113	0113	0113	0113	0123

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 2016

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	10.00	10.00
07	3.00	10.00
08	0.50	3.00
09	2.00	10.00
10	3.00	10.00
11	10.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	6.00	10.00
16	6.00	10.00
17	0.50	10.00
18	9.00	10.00
19	10.00	10.00
20	10.00	10.00
21	10.00	10.00
22	0.25	10.00
23	0.25	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
31	10.00	10.00
AVGS	7.76	9.77
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	7	22

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JANUARY 2016

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	OVC	014	10.00		48	42	45	80	8	01	29.93	30.12	01	OVC	012	10.00	-RA	37	30	34	76	3	04	30.19	30.39				
04	OVC	025	10.00		45	37	41	74	8	01	29.96	30.15	04	OVC	014	10.00		36	34	35	93	3	05	30.16	30.36				
07	OVC	180	10.00		43	35	40	74	5	05	29.95	30.15	07	OVC	011	3.00	BR	35	34	35	96	3	02	30.15	30.35				
10	BKN	220	10.00		44	34	40	68	6	03	29.99	30.19	10	OVC	019	7.00		39	35	37	86	8	01	30.13	30.33				
13	OVC	220	10.00		47	36	42	66	6	25	29.92	30.11	13	BKN	250	10.00		49	35	43	59	5	36	30.04	30.23				
16	OVC	160	10.00		48	36	43	63	8	26	29.90	30.10	16	BKN	250	10.00		50	37	44	61	7	36	30.01	30.20				
19	OVC	240	10.00		45	32	40	61	7	27	29.93	30.12	19	FEW	250	10.00		41	35	38	79	8	02	30.03	30.22				
22	FEW	250	10.00		41	26	35	55	7	28	29.96	30.15	22	CLR	NC	10.00		37	34	36	89	6	02	29.98	30.18				
SUNRISE: 0724					JAN 02					SUNSET: 1703					SUNRISE: 0724					JAN 08					SUNSET: 1708				
01	CLR	NC	10.00		35	28	32	76	5	33	29.97	30.16	01	OVC	003	1.50	-DZ BR	36	36	36	100	6	36	29.96	30.15				
04	CLR	NC	10.00		29	26	28	89	0	00	29.97	30.17	04	OVC	003	1.00	-DZ BR	38	38	38	100	8	01	29.96	30.15				
07	CLR	NC	10.00		29	25	28	85	0	00	29.99	30.19	07	OVC	003	1.50	-DZ BR	39	39	39	100	7	02	29.96	30.15				
10	CLR	NC	10.00		41	25	35	53	8	28	30.03	30.23	10	OVC	004	0.75	-DZ BR	41	41	41	100	9	03	29.97	30.16				
13	CLR	NC	10.00		48	23	38	37	8	23	29.94	30.14	13	OVC	004	3.00	BR	43	42	43	97	8	35	29.93	30.12				
16	FEW	250	10.00		49	25	39	39	11	23	29.89	30.08	16	OVC	005	2.00	BR	45	43	44	93	6	36	29.92	30.12				
19	FEW	250	10.00		40	27	35	60	6	19	29.89	30.09	19	OVC	003	1.00	-RA BR	44	44	44	100	6	03	29.94	30.13				
22	CLR	NC	10.00		35	28	32	76	6	21	29.87	30.06	22	OVC	043	1.50	BR	44	44	44	100	0	00	29.93	30.13				
SUNRISE: 0724					JAN 03					SUNSET: 1704					SUNRISE: 0724					JAN 09					SUNSET: 1709				
01	CLR	NC	10.00		31	27	30	85	7	19	29.82	30.02	01	OVC	030	2.50	BR	44	43	44	96	5	36	29.92	30.11				
04	CLR	NC	10.00		30	27	29	88	7	19	29.79	29.98	04	OVC	022	2.50	BR	43	43	43	100	5	35	29.90	30.10				
07	FEW	250	10.00		30	25	28	82	6	22	29.78	29.98	07	OVC	015	4.00	BR	43	43	43	100	3	03	29.92	30.11				
10	SCT	250	10.00		40	26	35	58	10	26	29.78	29.98	10	OVC	017	3.00	BR	45	44	45	97	3	04	29.95	30.14				
13	FEW	250	10.00		52	23	40	32	10	28	29.69	29.89	13	OVC	024	10.00		52	46	49	80	6	05	29.86	30.05				
16	SCT	250	10.00		53	22	41	30	9	25	29.66	29.86	16	OVC	040	10.00		52	47	49	83	6	02	29.85	30.04				
19	BKN	300	10.00		41	30	37	65	0	00	29.71	29.91	19	OVC	045	8.00	-RA	50	48	49	93	6	02	29.80	30.00				
22	BKN	250	10.00		39	28	35	65	16	02	29.76	29.96	22	OVC	038	8.00		51	50	50	96	7	06	29.69	29.89				
SUNRISE: 0724					JAN 04					SUNSET: 1704					SUNRISE: 0724					JAN 10					SUNSET: 1710				
01	SCT	250	10.00		34	24	30	67	8	02	29.79	29.98	01	OVC	028	3.00	+RA BR	53	53	53	100	14	12	29.54	29.73				
04	CLR	NC	10.00		31	24	29	76	5	01	29.79	29.99	04	OVC	007	10.00		56	56	56	100	10	16	29.44	29.62				
07	BKN	060	10.00		33	25	30	72	9	36	29.85	30.04	07	OVC	017	10.00	-RA	59	58	58	96	14	19	29.37	29.56				
10	BKN	250	10.00		37	22	32	54	13	36	29.90	30.10	10	BKN	075	10.00		61	54	57	78	21	22	29.36	29.54				
13	BKN	060	10.00		39	16	31	39	21	33	29.90	30.10	13	SCT	060	10.00		62	44	53	52	25	25	29.31	29.49				
16	SCT	110	10.00		35	12	28	38	14	34	29.94	30.14	16	BKN	300	10.00		59	42	50	54	17	25	29.36	29.55				
19	FEW	110	10.00		31	6	24	35	18	34	30.06	30.26	19	FEW	040	10.00		50	29	41	44	18	28	29.50	29.70				
22	FEW	050	10.00		28	11	23	49	20	35	30.17	30.37	22	CLR	NC	10.00		42	26	36	53	14	27	29.62	29.81				
SUNRISE: 0724					JAN 05					SUNSET: 1705					SUNRISE: 0724					JAN 11					SUNSET: 1711				
01	CLR	NC	10.00		24	4	19	42	23	35	30.23	30.42	01	CLR	NC	10.00		37	21	31	52	14	28	29.70	29.90				
04	CLR	NC	10.00		20	4	16	50	16	35	30.29	30.49	04	CLR	NC	10.00		32	17	27	54	8	27	29.80	30.00				
07	CLR	NC	10.00		16	2	13	54	10	36	30.38	30.58	07	CLR	NC	10.00		29	16	25	58	7	25	29.88	30.07				
10	CLR	NC	10.00		20	3	16	48	11	01	30.47	30.67	10	FEW	250	10.00		35	10	27	35	13	26	29.95	30.15				
13	CLR	NC	10.00		27	5	21	39	8	35	30.45	30.65	13	SCT	250	10.00		41	8	31	25	14	25	29.90	30.10				
16	FEW	300	10.00		31	5	24	33	7	35	30.44	30.64	16	BKN	250	10.00		41	7	30	24	14	24	29.91	30.10				
19	CLR	NC	10.00		25	11	21	55	3	03	30.47	30.67	19	SCT	250	10.00		32	14	26	47	7	18	29.93	30.13				
22	CLR	NC	10.00		19	9	16	65	0	00	30.47	30.67	22	FEW	250	10.00		31	13	25	47	7	23	29.95	30.15				
SUNRISE: 0724					JAN 06					SUNSET: 1706					SUNRISE: 0724					JAN 12					SUNSET: 1712				
01	CLR	NC	10.00		18	10	16	71	3	31	30.45	30.65	01	FEW	250	10.00		28	15	24	58	3	18	29.93	30.13				
04	CLR	NC	10.00		18	10	16	71	7	35	30.42	30.62	04	BKN	150	10.00		27	17	24	66	5	18	29.89	30.09				
07	CLR	NC	10.00		17	10	15	74	0	00	30.42	30.63	07	FEW	150	10.00		26	18	23	71	8	19	29.85	30.05				
10	FEW	250	10.00		29	14	24	54	5	05	30.43	30.63	10	SCT	090	10.00		39	19	32	45	16	20	29.79	29.99				
13	FEW	250	10.00		39	21	33	48	0	00	30.34	30.54	13	BKN	250	10.00		49	20	38	32	21	21	29.63	29.82				
16	BKN	250	10.00		42	21	34	43	0	00	30.27	30.46	16	BKN	250	10.00		50	18	38	28	24	23	29.56	29.76				
19	OVC	037	10.00		39	24	33	55	0	00	30.27	30.47	19																
22	OVC	042	10.00		38	28	34	68	3	06	30.25	30.45	22	FEW	100	10.00		39	19	32	45	17	28	29.74	29.94				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JANUARY 2016

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: 0723					JAN 13					SUNSET: 1713					SUNRISE: 0721					JAN 19					SUNSET: 1719				
01	FEW	060	10.00		33	7	25	33	14	30	29.84	30.03	01	CLR	NC	10.00		17	-0	13	47	10	33	30.08	30.28				
04	CLR	NC	10.00		28	7	22	41	14	31	29.92	30.11	04	CLR	NC	10.00		16	-0	13	49	10	30	30.08	30.29				
07	CLR	NC	10.00		25	3	19	39	9	30	30.00	30.20	07	CLR	NC	10.00		15	-0	12	51	10	30	30.12	30.32				
10	FEW	250	10.00		29	3	22	33	10	28	30.04	30.24	10	CLR	NC	10.00		21	-0	16	39	11	30	30.16	30.37				
13	FEW	250	10.00		33	2	25	26	7	VR	29.96	30.15	13	FEW	050	10.00		26	-0	20	32	22	30	30.15	30.35				
16	SCT	250	10.00		35	3	26	26	10	26	29.92	30.11	16	CLR	NC	10.00		27	-1	20	29	15	30	30.14	30.34				
19	BKN	210	10.00		29	10	23	45	5	18	29.94	30.14	19	CLR	NC	10.00		24	1	18	36	9	32	30.17	30.38				
22	CLR	NC	10.00		23	12	20	63	8	20	29.90	30.10	22	CLR	NC	10.00		21	2	17	43	8	31	30.19	30.40				
SUNRISE: 0723					JAN 14					SUNSET: 1714					SUNRISE: 0721					JAN 20					SUNSET: 1720				
01	BKN	100	10.00		27	16	24	63	9	20	29.85	30.05	01	CLR	NC	10.00		19	3	15	49	3	31	30.19	30.39				
04	SCT	150	10.00		26	15	23	63	5	19	29.83	30.03	04	CLR	NC	10.00		15	10	14	80	3	02	30.18	30.39				
07	FEW	150	10.00		27	14	23	58	8	22	29.85	30.05	07	BKN	180	10.00		17	7	15	64	6	01	30.20	30.40				
10	FEW	250	10.00		43	20	35	40	10	21	29.88	30.08	10	BKN	250	10.00		24	7	20	48	5	05	30.20	30.40				
13	SCT	250	10.00		54	27	43	35	14	24	29.81	30.01	13	BKN	250	10.00		32	6	25	33	3	VR	30.07	30.27				
16	FEW	250	10.00		56	28	44	34	15	25	29.79	29.99	16	OVC	250	10.00		32	7	25	35	5	16	29.98	30.19				
19	CLR	NC	10.00		44	29	38	55	7	21	29.83	30.03	19	OVC	050	10.00		32	15	27	50	8	22	29.99	30.19				
22	CLR	NC	10.00		39	29	35	67	9	19	29.84	30.03	22	OVC	070	10.00		31	22	28	69	7	21	29.96	30.16				
SUNRISE: 0723					JAN 15					SUNSET: 1715					SUNRISE: 0720					JAN 21					SUNSET: 1721				
01	CLR	NC	10.00		37	29	34	73	7	19	29.80	30.00	01	OVC	016	10.00		31	26	29	82	7	26	29.93	30.13				
04	FEW	250	10.00		34	28	32	79	8	19	29.79	29.98	04	FEW	016	10.00		28	24	27	85	9	33	29.99	30.19				
07	SCT	250	10.00		37	29	34	73	0	00	29.76	29.95	07	FEW	300	10.00		25	14	22	63	9	36	30.07	30.27				
10	OVC	250	10.00		47	33	41	59	10	21	29.75	29.94	10	SCT	250	10.00		31	13	25	47	16	34	30.14	30.34				
13	OVC	250	10.00		52	33	44	49	7	14	29.59	29.79	13	BKN	250	10.00		34	13	27	42	13	36	30.11	30.31				
16	OVC	075	10.00	-RA	48	38	43	68	3	11	29.52	29.71	16	FEW	250	10.00		35	12	28	38	9	31	30.08	30.27				
19	OVC	080	7.00	RA	43	41	42	93	15	06	29.37	29.57	19	SCT	250	10.00		28	12	23	51	6	01	30.12	30.32				
22	OVC	023	7.00	RA	42	41	42	96	20	01	29.26	29.44	22	FEW	250	10.00		25	13	22	60	6	02	30.14	30.34				
SUNRISE: 0722					JAN 16					SUNSET: 1716					SUNRISE: 0720					JAN 22					SUNSET: 1722				
01	OVC	075	10.00	-RA	45	44	45	97	13	32	29.25	29.43	01	FEW	250	10.00		23	12	20	63	7	01	30.13	30.33				
04	OVC	004	9.00		43	43	43	100	10	27	29.34	29.53	04	CLR	NC	10.00		23	12	20	63	8	01	30.10	30.30				
07	BKN	004	10.00		42	42	42	100	8	22	29.41	29.60	07	OVC	130	10.00		24	14	21	65	6	02	30.13	30.33				
10	FEW	150	10.00		50	42	46	74	11	25	29.49	29.68	10	OVC	060	10.00		26	16	23	66	8	06	30.07	30.27				
13	BKN	055	10.00		58	38	48	48	14	27	29.47	29.65	13	VV	009	0.50	SN FZFG	26	23	25	88	5	07	29.99	30.19				
16	BKN	250	10.00		58	37	48	46	13	26	29.49	29.69	16	VV	015	0.50	SN FZFG	23	21	22	92	15	03	29.85	30.05				
19	SCT	250	10.00		51	35	44	54	11	32	29.61	29.80	19	OVC	033	4.00	-SNPL BR	24	21	23	88	18	05	29.71	29.91				
22	FEW	200	10.00		42	31	37	65	6	35	29.65	29.85	22	OVC	014	1.00	-SNPL BR	27	25	26	92	20	05	29.50	29.70				
SUNRISE: 0722					JAN 17					SUNSET: 1717					SUNRISE: 0719					JAN 23					SUNSET: 1723				
01	BKN	200	10.00		39	30	35	70	6	05	29.68	29.87	01	VV	009	0.50	SNPL FZFG	25	23	24	92	28	02	29.44	29.62				
04	OVC	050	10.00		38	28	34	68	13	03	29.65	29.85	04	OVC	018	7.00		24	21	23	88	22	35	29.31	29.50				
07	OVC	041	10.00		38	28	34	68	10	04	29.67	29.86	07	OVC	024	2.50	-SNPL BR	24	21	23	88	21	35	29.28	29.48				
10	OVC	009	0.50	SN FG	32	31	32	96	7	01	29.71	29.91	10	OVC	019	0.75	-SN BR	25	22	24	88	23	34	29.29	29.48				
13	OVC	009	3.00	-SN BR	33	32	33	96	7	02	29.62	29.82	13	VV	006	0.25	+SN FZFG	26	24	25	92	25	34	29.28	29.46				
16	BKN	019	10.00		34	31	33	89	10	33	29.59	29.79	16	VV	005	0.25	+SN FZFG	26	24	25	92	21	33	29.34	29.54				
19	FEW	027	10.00		33	30	32	89	7	29	29.64	29.84	19	OVC	030	0.75	-SN BLSN BR	27	24	26	89	29	34	29.47	29.66				
22	OVC	060	10.00		33	31	32	92	7	24	29.68	29.88	22	OVC	022	2.00	-SN BLSN BR	27	25	26	92	24	34	29.58	29.77				
SUNRISE: 0722					JAN 18					SUNSET: 1718					SUNRISE: 0719					JAN 24					SUNSET: 1724				
01	FEW	060	10.00		32	26	30	79	9	26	29.68	29.87	01	OVC	060	10.00		29	22	27	75	18	34	29.64	29.84				
04	FEW	060	10.00		30	22	27	72	9	26	29.72	29.92	04	OVC	045	10.00		30	18	26	61	11	32	29.71	29.91				
07	FEW	060	10.00		26	12	22	55	11	33	29.81	30.01	07	FEW	035	10.00		24	11	20	57	11	34	29.81	30.01				
10	CLR	NC	10.00		25	3	19	39	14	31	29.91	30.11	10	FEW	250	10.00		29	11	24	47	10	35	29.92	30.12				
13	FEW	050	10.00		27	2	21	34	15	33	29.89	30.09	13	FEW	250	10.00		36	11	28	35	13	31	29.90	30.10				
16	FEW	060	10.00		27	-1	20	29	16	30	29.90	30.10	16	FEW	250	10.00		40	11	31	30	6	32	29.91	30.11				
19	CLR	NC	10.00		23	-4	17	30	9	32	29.99	30.19	19	FEW	300	10.00		27	14	23	58	0	00	29.96	30.16				
22	CLR	NC	10.00		19	-0	15	43	10	35	30.06	30.26	22	CLR	NC	10.00		20	16	19	85	3	15	30.00	30.20				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
JANUARY 2016

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		18	13	17	81	0	00	30.00	30.20
04	CLR	NC	10.00		16	12	15	84	5	14	30.01	30.21					
07	SCT	300	10.00		20	14	18	78	5	17	30.06	30.26					
10	OVC	300	10.00		29	21	26	72	8	19	30.11	30.31					
13	OVC	300	10.00		40	26	35	58	7	14	30.08	30.28					
16	OVC	250	10.00		44	26	37	49	9	17	30.06	30.26					
19	OVC	250	10.00		40	27	35	60	6	17	30.09	30.29					
22	OVC	250	10.00		38	26	33	62	3	16	30.08	30.28					
SUNRISE: 0717 JAN 26 SUNSET: 1726					01	SCT	300	10.00		34	24	30	67	8	19	30.05	30.24
04	SCT	300	10.00		33	28	31	82	9	19	30.01	30.21					
07	OVC	300	10.00		34	31	33	89	8	20	30.00	30.19					
10	OVC	300	10.00		39	33	37	79	8	21	30.00	30.20					
13	BKN	300	10.00		51	32	43	48	15	22	29.91	30.11					
16	OVC	300	10.00		49	34	42	56	15	19	29.87	30.07					
19	BKN	300	10.00		45	35	41	68	10	19	29.89	30.09					
22	OVC	300	10.00		43	35	40	74	13	20	29.87	30.06					
SUNRISE: 0717 JAN 27 SUNSET: 1728					01	OVC	160	10.00		43	37	40	80	11	21	29.84	30.04
04	SCT	070	10.00		46	40	43	79	3	25	29.82	30.02					
07	OVC	055	10.00		41	39	40	93	10	03	29.89	30.09					
10	OVC	070	10.00		39	30	35	70	11	02	30.00	30.20					
13	BKN	250	10.00		43	28	37	56	9	34	29.99	30.19					
16	BKN	250	10.00		42	27	36	55	8	02	29.96	30.15					
19	BKN	230	10.00		38	25	33	60	7	04	29.97	30.16					
22	SCT	250	10.00		34	24	30	67	5	05	29.98	30.18					
SUNRISE: 0716 JAN 28 SUNSET: 1729					01	BKN	300	10.00		29	24	27	82	0	00	29.96	30.16
04	FEW	300	10.00		26	23	25	88	3	35	29.90	30.10					
07	BKN	200	10.00		25	23	24	92	0	00	29.86	30.06					
10	BKN	250	10.00		33	25	30	72	0	00	29.84	30.03					
13	BKN	200	10.00		39	23	33	53	7	18	29.73	29.93					
16	OVC	150	10.00		40	28	35	63	7	19	29.64	29.84					
19	OVC	170	10.00		38	28	34	68	0	00	29.59	29.78					
22	OVC	160	10.00		34	28	32	79	6	21	29.56	29.75					
SUNRISE: 0715 JAN 29 SUNSET: 1730					01	OVC	190	10.00		36	28	33	73	6	24	29.47	29.66
04	FEW	190	10.00		34	28	32	79	6	28	29.41	29.60					
07	BKN	080	10.00		35	26	32	70	8	26	29.44	29.63					
10	BKN	080	10.00		41	27	35	57	13	26	29.48	29.67					
13	BKN	085	10.00		43	26	36	51	18	31	29.52	29.70					
16	SCT	080	10.00		43	16	33	34	18	29	29.59	29.78					
19	CLR	NC	10.00		38	17	31	43	9	33	29.72	29.92					
22	CLR	NC	10.00		32	17	27	54	7	34	29.81	30.01					
SUNRISE: 0714 JAN 30 SUNSET: 1731					01	CLR	NC	10.00		25	19	23	78	3	22	29.87	30.06
04	CLR	NC	10.00		22	18	21	85	5	13	29.92	30.12					
07	CLR	NC	10.00		26	19	24	75	0	00	29.97	30.17					
10	SCT	250	10.00		35	19	30	52	8	16	29.99	30.19					
13	SCT	250	10.00		43	22	35	43	10	20	29.92	30.12					
16	FEW	250	10.00		49	22	38	35	13	18	29.87	30.07					
19	SCT	250	10.00		41	24	35	51	9	18	29.90	30.09					
22	CLR	NC	10.00		38	25	33	60	9	20	29.89	30.09					

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		37	27	33	67	9	20	29.85	30.05
04	FEW	300	10.00		35	29	33	78	6	20	29.84	30.04					
07	SCT	300	10.00		35	30	33	82	5	19	29.86	30.05					
10	FEW	300	10.00		48	36	43	63	9	20	29.86	30.06					
13	SCT	300	10.00		61	41	51	48	17	22	29.79	29.98					
16	BKN	300	10.00		62	41	51	46	10	20	29.72	29.91					
19	OVC	250	10.00		54	40	47	59	9	19	29.73	29.93					
22	OVC	250	10.00		55	40	48	57	15	20	29.72	29.92					

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.

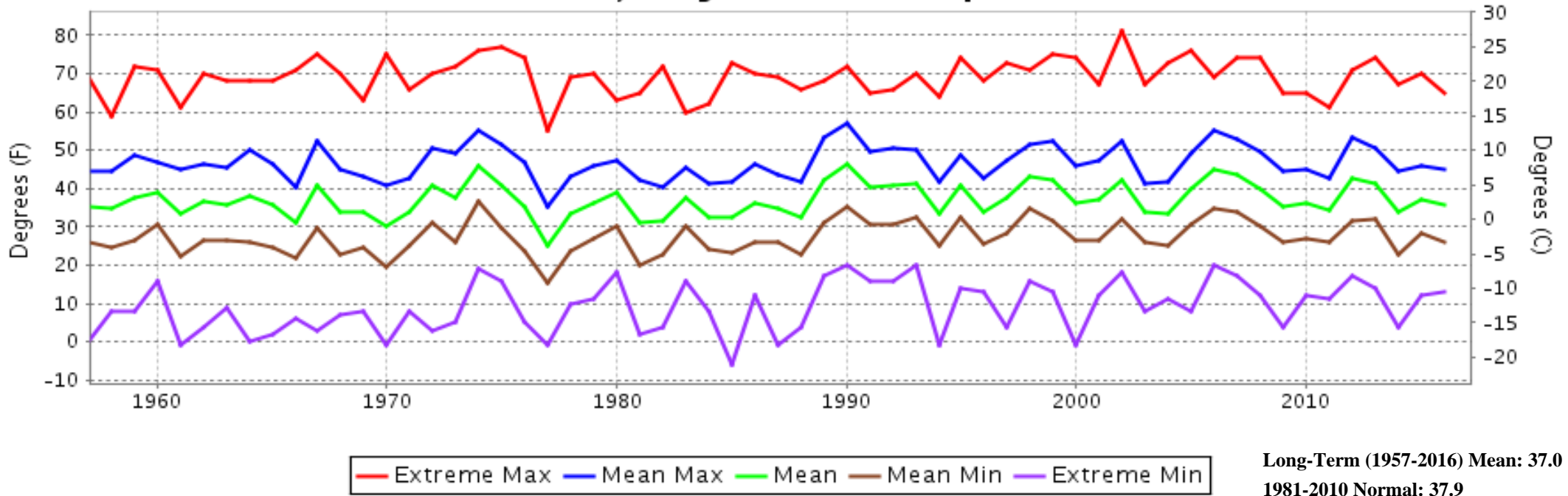
& = Original observation contained additional weather elements.

See page 3 for additional notes.

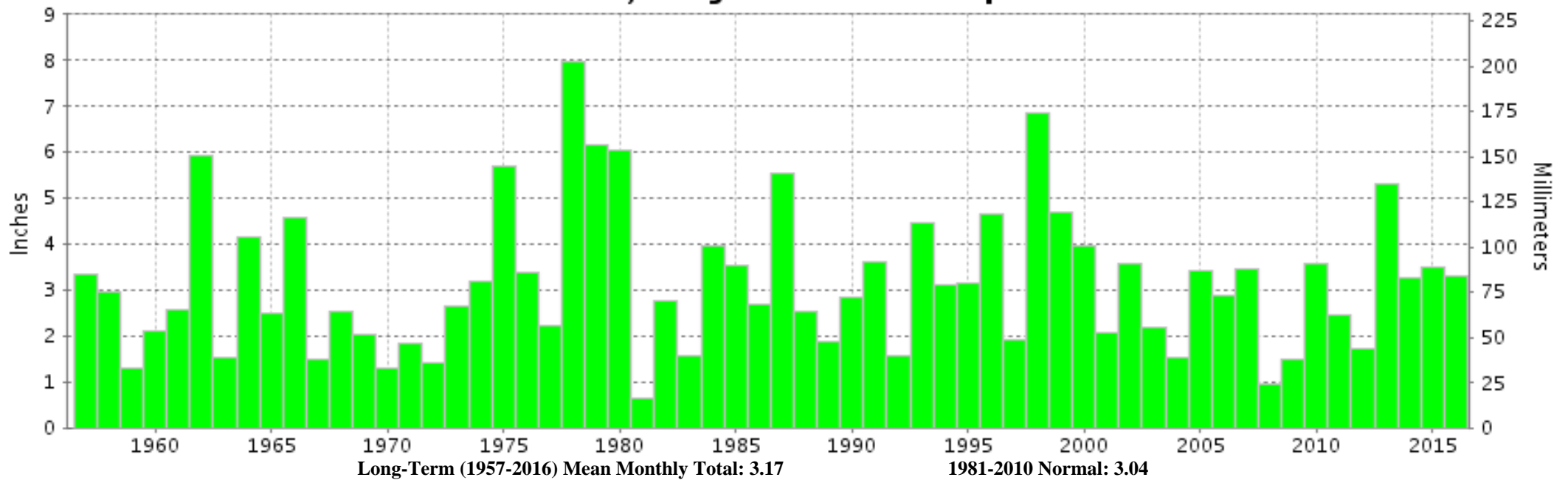
SUMMARY BY HOUR

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	32	24	30	73	29.87	30.06	8.95	9	2	30
02	32	24	30	74	29.87	30.07	9.04	7	3	30
03	32	24	29	75	29.87	30.07	9.30	7	3	30
04	31	24	29	77	29.87	30.07	9.34	8	2	30
05	30	23	28	76	29.87	30.07	9.02	7	2	30
06	30	23	28	76	29.88	30.07	9.16	7	2	30
07	30	23	28	75	29.89	30.09	9.06	7	2	31
08	31	22	28	73	29.90	30.10	8.67	8	2	31
09	33	23	30	69	29.92	30.11	8.71	9	3	30
10	36	23	32	62	29.92	30.12	8.77	10	3	29
11	39	23	33	57	29.92	30.11	8.62	10	5	29
12	41	23	34	54	29.89	30.09	8.82	10	5	28
13	42	23	35	51	29.86	30.06	8.93	12	6	28
14	43	23	36	49	29.84	30.04	9.03	11	6	28
15	43	23	36	48	29.84	30.03	9.15	11	6	28
16	43	23	36	50	29.84	30.03	9.12	11	6	28
17	41	23	35	52	29.85	30.04	9.08	10	5	29
18	39	24	34	56	29.86	30.05	9.03	9	3	29
19	37	24	33	61	29.87	30.07	9.03	8	2	31
20	36	24	32	64	29.87	30.07	9.02	9	2	30
21	35	24	31	67	29.87	30.07	8.94	9	3	29
22	34	24	31	69	29.87	30.07	9.02	9	2	30
23	34	24	31	69	29.87	30.07	8.97	8	2	31
24	34	24	30	69	29.88	30.08	9.00	9	2	30

RICHMOND, VA JANUARY Temperatures



RICHMOND, VA JANUARY Precipitation





**JANUARY 2016
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, appearing to read "Thomas R. Karl".

DIRECTOR

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov/IPS/lcd/lcd.html

We welcome your questions or comments, please contact us at:
(828) 271-4800, option 2
Fax Number : 828-271-4876
TDD : (828) 271-4010
or Email : ncei.orders@noaa.gov

NOAA, National Centers for Environmental Information
Attn: Customer Engagement Branch
151 Patton Avenue
Asheville, NC 28801-5001