



# MAY 2015 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			
20	21	22	23	24																				
01	59	50	55*	-6	49	51	10	0	RA DZ BR	0		0.0	0.20	29.70	29.91	5.9	03	6.9	25	01	17	02	01	
02	75	45*	60	-1	46	53	5	0		0		0.0	0.00	29.83	30.03	1.9	36	4.6	21	02	16	02	02	
03	83	55	69	8	44	55	0	4		0		0.0	0.00	29.93	30.14	2.1	24	3.7	16	20	12	19	03	
04	84	54	69	8	50	59	0	4		0		0.0	0.00	30.05	30.25	6.9	20	7.5	22	20	17	20	04	
05	85	61	73	12	57	63	0	8	RA BR	0		0.0	0.07	30.08	30.27	6.6	20	8.3	25	02	18	02	05	
06	84	59	72	10	57	63	0	7		0		0.0	0.00	30.01	30.19	4.1	17	5.2	15	19	12	15	06	
07	82	59	71	8	57	62	0	6		0		0.0	0.00	29.98	30.16	3.5	13	3.8	15	13	13	15	07	
08	84	58	71	8	58	63	0	6	BR	0		0.0	0.00	29.94	30.13	3.4	11	4.5	18	06	15	12	08	
09	84	67	76	13	63	67	0	11	BR	0		0.0	0.00	30.00	30.20	5.7	10	6.7	21	12	16	13	09	
10	86	68	77	13	66	69	0	12	RA	0		0.0	T	29.98	30.17	7.0	13	7.4	28	14	23	14	10	
11	84	68	76	12	67	70	0	11	RA BR	0		0.0	0.02	29.86	30.03	3.4	04	6.6	17	36	13	25	11	
12	92*	67	80	16	62	68	0	15	RA	0		0.0	T	29.78	29.97	9.5	24	10.8	32*	23	24*	23	12	
13	75	56	66	2	44	55	0	1		0		0.0	0.00	29.96	30.18	10.0	36	10.7	24	35	20	33	13	
14	72	50	61	-4	42	51	4	0		0		0.0	0.00	30.19	30.39	3.7	02	6.7	18	02	16	36	14	
15	79	51	65	0	51	58	0	0		0		0.0	0.00	30.11	30.29	7.2	19	7.5	21	18	16	18	15	
16	89	62	76	11	62	67	0	11		0		0.0	0.00	30.01	30.19	9.5	20	9.8	23	22	18	20	16	
17	88	66	77	12	65	69	0	12		0		0.0	0.00	30.01	30.19	2.8	19	4.8	17	01	14	02	17	
18	91	72	82	16	67	71	0	17	TS TSRA RA	0		0.0	0.30	29.91	30.08	2.6	20	4.6	28	31	21	31	18	
19	91	69	80	14	67	71	0	15	RA	0		0.0	0.05	29.76	29.93	1.8	34	4.2	17	35	14	34	19	
20	79	58	69	3	54	61	0	4		0		0.0	0.00	29.75	29.96	5.5	02	6.3	21	03	17	36	20	
21	60	53	57	-10	52	55	8	0	RA BR	0		0.0	0.97	29.75	29.94	7.3	02	8.5	20	04	15	04	21	
22	76	52	64	-3	45	54	1	0		0		0.0	0.00	29.92	30.14	5.1	28	6.6	20	25	15	25	22	
23	77	53	65	-3	42	53	0	0		0		0.0	0.00	30.19	30.40	2.2	05	5.9	24	15	15	04	23	
24	83	53	68	-1	54	60	0	3		0		0.0	0.00	30.17	30.36	6.2	20	6.7	23	20	16	21	24	
25	85	61	73	4	57	64	0	8		0		0.0	0.00	30.10	30.29	9.4	20	10.0	28	21	20	21	25	
26	87	63	75	6	64	69	0	10		0		0.0	0.00	30.05	30.24	10.0	19	10.3	25	20	17	20	26	
27	91	72	82*	13	67	71	0	17		0		0.0	0.00	29.99	30.18	11.0	20	11.4	26	20	21	17	27	
28	88	70	79	10	68	71	0	14	TS	0		0.0	0.00	30.00	30.19	5.3	17	6.4	22	19	12	19	28	
29	89	68	79	9	66	70	0	14		0		0.0	0.00	30.03	30.22	4.2	14	5.8	21	15	16	15	29	
30	88	68	78	8	65	70	0	13		0		0.0	0.00	29.98	30.16	7.5	17	8.0	23	20	17	18	30	
31	90	68	79	9	65	70	0	14	RA	0		0.0	T	29.88	30.06	9.8	19	10.3	22	20	17	21	31	
82.6		60.5	71.5	☼	57.2	63.0	0.9	7.6	< MONTHLY AVERAGES   TOTALS >		0.0	1.61	29.96	30.16	2.4	18	7.1	< MONTHLY AVERAGES						
4.7	5.5	5.1	-----DEPARTURE FROM NORMAL ----->								-2.17	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 0.97 DATE : 21				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.48				23 1054							
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.79				01 0354							
SEASON TO DATE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 5		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 6							
HEATING : 28 -46 3846 80									MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 3											
COOLING : 237 118 262 101									THUNDERSTORMS : 2		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0											

MAY 2015  
RICHMOND, VA

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)  
MAY 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	T	T		T	0.01	0.03	0.13	0.02	0.01	01	T											01	0.20	0.20	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05							T	0.06	0.01			05	0.07	0.07	
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											10			T		T							10	T	T	
11													11				0.02								11	0.02	0.02	
12	T	T											12												12	T	T	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18			0.30	T								18	0.30	0.30	
19	0.05												19					T							19	0.05	0.05	
20													20												20	0.00	0.00	
21						T	T	0.03	0.14	0.14	0.10	0.06	21	0.15	0.31	0.04	T								21	0.97	0.97	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
31												T	31	T											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)	0.12	0.21	0.27	0.29	0.30	0.30	0.33	0.36	0.40	0.47	0.50	0.53
Ending Date	18	18	18	18	18	18	21	21	21	21	21	21
Ending Time (Hr/Min)	1419	1424	1428	1433	1433	1433	1405	1405	1400	1400	1405	1405

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 MAY 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	2.50	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	6.00	10.00
06	10.00	10.00
07	10.00	10.00
08	5.00	10.00
09	6.00	10.00
10	8.00	10.00
11	5.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	10.00	10.00
16	10.00	10.00
17	10.00	10.00
18	10.00	10.00
19	7.00	10.00
20	10.00	10.00
21	2.50	10.00
22	10.00	10.00
23	10.00	10.00
24	10.00	10.00
25	10.00	10.00
26	10.00	10.00
27	10.00	10.00
28	10.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
<b>AVGS</b>	8.77	10.00
<b>MINIMUM VISIBILITY (MILES)</b>		
<= .25	<= 3.0	>= 7.0
0	2	25

**OBSERVATIONS AT 3-HOURLY INTERVALS**

**RICHMOND, VA**

MAY 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				
																										DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)
<p><b>SUNRISE: 0515      MAY 01      SUNSET: 1859</b></p>																													
01	OVC	080	10.00	-RA	56	51	53	84	3	02	29.62	29.81	01	OVC	300	10.00				65	58	61	78	5	15	29.99	30.18		
04	OVC	070	10.00	-RA	54	50	52	87	7	01	29.60	29.80	04	OVC	300	10.00				61	56	58	84	6	13	29.96	30.15		
07	OVC	008	10.00	-RA	55	51	53	87	15	03	29.67	29.86	07	OVC	300	10.00				65	58	61	78	6	14	30.00	30.19		
10	OVC	055	10.00		56	51	53	84	9	05	29.72	29.91	10	OVC	300	10.00				74	59	65	60	0	00	30.02	30.21		
13	OVC	065	10.00	-RA	55	48	51	77	8	06	29.76	29.95	13	BKN	300	10.00				80	58	66	47	8	11	29.99	30.18		
16	OVC	080	10.00		57	46	51	67	10	02	29.75	29.94	16	OVC	250	10.00				80	59	67	49	5	14	29.93	30.12		
19	OVC	250	10.00		55	46	50	72	0	00	29.77	29.96	19	BKN	250	10.00				73	56	63	55	10	15	29.94	30.12		
22	BKN	100	10.00		51	47	49	86	0	00	29.80	29.99	22	SCT	250	10.00				66	56	60	70	0	00	29.95	30.14		
<p><b>SUNRISE: 0513      MAY 02      SUNSET: 1860</b></p>																													
01	SCT	048	10.00		51	46	49	83	0	00	29.79	29.98	01	SCT	300	10.00				61	57	59	87	0	00	29.94	30.12		
04	SCT	110	10.00		47	43	45	86	0	00	29.79	29.98	04	SCT	300	9.00				59	56	57	90	0	00	29.94	30.13		
07	BKN	100	10.00		53	44	49	72	0	00	29.84	30.03	07	SCT	300	10.00				65	57	60	76	0	00	29.97	30.16		
10	SCT	100	10.00		65	49	56	56	5	VR	29.85	30.04	10	SCT	300	10.00				77	58	65	52	3	34	29.97	30.16		
13	BKN	095	10.00		71	47	58	42	15	04	29.84	30.03	13	BKN	300	10.00				82	57	67	42	6	VR	29.95	30.14		
16	SCT	090	10.00		73	43	57	34	8	30	29.81	30.00	16	SCT	250	10.00				82	56	66	41	10	11	29.90	30.09		
19	SCT	250	10.00		65	50	57	59	3	13	29.83	30.03	19	SCT	250	10.00				73	59	64	62	7	12	29.92	30.11		
22	FEW	250	10.00		58	47	52	67	0	00	29.88	30.08	22	FEW	250	10.00				65	61	63	87	5	12	29.98	30.16		
<p><b>SUNRISE: 0512      MAY 03      SUNSET: 1901</b></p>																													
01	CLR	NC	10.00		59	48	53	67	7	26	29.88	30.07	01	OVC	009	10.00				67	63	65	87	5	16	29.98	30.17		
04	CLR	NC	10.00		57	45	51	64	0	00	29.90	30.09	04	OVC	009	10.00				67	63	65	87	0	00	29.98	30.17		
07	FEW	100	10.00		62	46	54	56	0	00	29.95	30.14	07	OVC	250	10.00				68	64	66	87	5	06	30.03	30.22		
10	FEW	100	10.00		77	42	58	29	6	32	29.97	30.16	10	OVC	250	10.00				72	65	68	78	3	VR	30.06	30.25		
13	SCT	100	10.00		81	39	59	22	3	VR	29.96	30.15	13	BKN	044	10.00				81	63	69	54	10	11	30.01	30.20		
16	SCT	250	10.00		80	39	58	23	9	19	29.93	30.12	16	FEW	040	10.00				83	59	68	44	11	11	29.97	30.16		
19	SCT	250	10.00		70	45	57	41	5	19	29.95	30.14	19	SCT	250	10.00				75	62	67	64	10	10	29.99	30.18		
22	BKN	250	10.00		63	46	54	54	0	00	29.99	30.18	22	BKN	020	10.00				71	66	68	84	5	05	30.03	30.22		
<p><b>SUNRISE: 0511      MAY 04      SUNSET: 1901</b></p>																													
01	FEW	300	10.00		57	47	52	69	0	00	30.02	30.21	01	SCT	027	10.00				69	66	67	90	7	09	30.01	30.20		
04	CLR	NC	10.00		56	46	51	70	3	18	30.04	30.23	04	BKN	019	10.00				69	66	67	90	6	09	29.98	30.17		
07	FEW	110	10.00		61	52	56	72	5	21	30.09	30.28	07	BKN	090	8.00				71	68	69	90	7	11	30.03	30.22		
10	CLR	NC	10.00		76	52	62	43	8	23	30.10	30.29	10	SCT	031	10.00				79	67	71	67	9	14	30.01	30.20		
13	FEW	075	10.00		83	50	64	32	8	24	30.07	30.26	13	SCT	040	10.00				85	63	71	48	14	13	29.97	30.16		
16	SCT	095	10.00		83	50	64	32	11	19	30.02	30.21	16	BKN	300	10.00				78	64	69	62	15	14	29.95	30.14		
19	FEW	250	10.00		75	52	62	45	9	18	30.02	30.21	19	BKN	300	10.00				73	66	69	79	6	13	29.94	30.13		
22	FEW	250	10.00		69	51	59	53	8	18	30.06	30.25	22	BKN	300	10.00				71	67	68	87	5	09	29.96	30.15		
<p><b>SUNRISE: 0510      MAY 05      SUNSET: 1902</b></p>																													
01	CLR	NC	10.00		66	53	59	63	10	20	30.09	30.28	01	SCT	043	10.00				69	67	68	93	5	09	29.94	30.13		
04	CLR	NC	10.00		62	54	58	75	8	20	30.08	30.27	04	BKN	250	6.00			BR	68	66	67	93	8	07	29.88	30.07		
07	FEW	100	10.00		65	55	59	70	8	21	30.12	30.31	07	OVC	250	8.00				71	68	69	90	6	03	29.89	30.08		
10	SCT	300	10.00		75	57	64	54	10	22	30.12	30.31	10	BKN	036	10.00				77	67	70	71	10	07	29.86	30.05		
13	FEW	300	10.00		82	59	68	46	6	20	30.07	30.26	13	BKN	250	10.00				80	67	71	64	9	05	29.82	30.01		
16	SCT	300	10.00		85	57	68	39	9	19	30.01	30.20	16	SCT	080	10.00				79	69	72	72	5	30	29.78	29.97		
19	SCT	300	10.00		77	57	65	50	8	19	30.03	30.22	19	SCT	250	10.00				76	67	70	74	0	00	29.81	30.00		
22	OVC	095	6.00	RA BR	68	65	66	90	7	13	30.09	30.28	22	BKN	250	10.00				76	65	69	69	9	25	29.81	30.00		
<p><b>SUNRISE: 0509      MAY 06      SUNSET: 1903</b></p>																													
01	OVC	140	10.00		66	58	61	75	5	23	30.06	30.25	01	OVC	200	10.00			-RA	73	65	68	76	5	28	29.81	30.00		
04	SCT	300	10.00		61	53	57	75	3	18	30.04	30.23	04	BKN	250	10.00				70	66	67	87	8	20	29.80	29.99		
07	BKN	300	10.00		65	56	60	73	6	19	30.05	30.24	07	BKN	250	10.00				74	67	69	79	9	21	29.83	30.02		
10	BKN	300	10.00		76	57	65	52	5	24	30.04	30.23	10	BKN	250	10.00				85	65	72	51	13	24	29.82	30.01		
13	OVC	300	10.00		81	59	67	47	3	16	30.00	30.19	13	BKN	250	10.00				89	63	72	42	15	26	29.78	29.97		
16	OVC	250	10.00		84	58	68	41	7	16	29.94	30.13	16	BKN	250	10.00				90	57	69	33	18	23	29.72	29.91		
19	OVC	250	10.00		76	59	66	56	7	12	29.94	30.13	19	BKN	250	10.00				84	60	69	44	9	22	29.72	29.90		
22	OVC	250	10.00		70	58	63	66	3	15	29.99	30.18	22	BKN	250	10.00				80	56	65	44	9	29	29.78	29.96		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA  
MAY 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
<b>SUNRISE: 0502 MAY 13</b>					<b>SUNSET: 1909</b>					<b>SUNRISE: 0457 MAY 19</b>					<b>SUNSET: 1914</b>										
01	BKN	250	10.00		74	45	58	36	10	33	29.81	30.00	01	OVC	200	10.00	-RA	74	70	71	88	6	01	29.81	29.99
04	BKN	250	10.00		67	46	56	47	3	36	29.87	30.06	04	SCT	250	10.00		71	68	69	90	3	02	29.78	29.97
07	BKN	250	10.00		66	46	55	49	10	36	29.97	30.16	07	BKN	250	10.00		75	69	71	82	3	33	29.80	29.98
10	SCT	250	10.00		70	45	57	41	9	33	30.02	30.21	10	BKN	250	10.00		82	68	73	63	0	00	29.79	29.98
13	SCT	250	10.00		73	44	57	35	15	35	30.00	30.19	13	OVC	250	10.00		87	63	71	45	5	33	29.75	29.94
16	SCT	300	10.00		74	39	56	28	14	33	30.00	30.19	16	BKN	250	10.00		89	63	72	42	6	29	29.69	29.87
19	FEW	300	10.00		65	43	54	45	14	02	30.05	30.24	19	BKN	250	10.00		85	64	71	50	0	00	29.69	29.87
22	FEW	300	10.00		58	40	49	51	11	01	30.13	30.32	22	SCT	250	10.00		74	69	71	85	5	14	29.71	29.90
<b>SUNRISE: 0501 MAY 14</b>					<b>SUNSET: 1910</b>					<b>SUNRISE: 0457 MAY 20</b>					<b>SUNSET: 1915</b>										
01	CLR	NC	10.00		54	39	47	57	11	35	30.16	30.35	01	SCT	250	10.00		72	68	69	87	0	00	29.70	29.88
04	CLR	NC	10.00		51	39	45	64	10	36	30.19	30.39	04	FEW	250	10.00		68	60	63	76	8	36	29.73	29.91
07	SCT	250	10.00		55	41	48	59	10	36	30.25	30.44	07	FEW	250	10.00		65	53	58	66	11	02	29.78	29.97
10	BKN	250	10.00		63	42	52	47	7	VR	30.27	30.46	10	OVC	250	10.00		71	52	60	51	7	VR	29.80	29.99
13	BKN	250	10.00		68	41	54	38	6	32	30.23	30.42	13	OVC	250	10.00		78	53	63	42	8	35	29.78	29.97
16	OVC	300	10.00		70	41	55	35	5	VR	30.16	30.35	16	OVC	250	10.00		78	53	63	42	9	04	29.76	29.95
19	OVC	300	10.00		64	44	54	48	5	10	30.15	30.34	19	SCT	250	10.00		71	51	60	49	7	06	29.77	29.96
22	OVC	230	10.00		56	46	51	70	6	12	30.18	30.37	22	FEW	250	10.00		63	50	56	63	3	04	29.82	30.01
<b>SUNRISE: 0501 MAY 15</b>					<b>SUNSET: 1911</b>					<b>SUNRISE: 0456 MAY 21</b>					<b>SUNSET: 1916</b>										
01	OVC	250	10.00		55	46	50	72	0	00	30.16	30.35	01	BKN	250	10.00		59	52	55	78	3	03	29.80	29.99
04	OVC	230	10.00		53	44	49	72	0	00	30.15	30.34	04	OVC	045	10.00		59	50	54	72	7	06	29.77	29.96
07	BKN	250	10.00		57	45	51	64	6	18	30.17	30.36	07	OVC	040	10.00	-RA	59	51	55	75	8	08	29.76	29.95
10	OVC	250	10.00		67	46	56	47	9	20	30.16	30.35	10	OVC	055	2.50	RA BR	57	55	56	93	8	03	29.77	29.96
13	BKN	250	10.00		74	51	61	45	7	22	30.10	30.29	13	OVC	025	5.00	RA BR	57	54	55	90	11	02	29.72	29.91
16	BKN	300	10.00		77	55	64	47	15	20	30.03	30.22	16	OVC	044	10.00		57	54	55	90	11	05	29.68	29.87
19	BKN	300	10.00		72	57	63	59	6	18	30.03	30.22	19	OVC	008	10.00		57	53	55	87	8	35	29.73	29.92
22	OVC	140	10.00		70	57	62	64	9	19	30.05	30.24	22	OVC	007	10.00		55	52	53	90	8	33	29.78	29.97
<b>SUNRISE: 0460 MAY 16</b>					<b>SUNSET: 1911</b>					<b>SUNRISE: 0455 MAY 22</b>					<b>SUNSET: 1916</b>										
01	SCT	300	10.00		66	58	61	75	9	20	30.03	30.22	01	SCT	090	10.00		53	50	51	89	5	32	29.80	29.99
04	FEW	300	10.00		63	57	60	81	6	19	30.01	30.20	04	CLR	NC	10.00		53	47	50	80	7	32	29.86	30.05
07	OVC	300	10.00		66	59	62	78	9	21	30.04	30.23	07	CLR	NC	10.00		57	47	52	69	6	28	29.93	30.12
10	OVC	300	10.00		78	63	68	60	10	21	30.04	30.23	10	CLR	NC	10.00		67	44	55	44	11	31	29.97	30.16
13	SCT	300	10.00		86	65	72	49	10	17	29.99	30.18	13	FEW	250	10.00		73	42	57	33	10	32	29.97	30.16
16	OVC	300	10.00		88	63	72	43	11	22	29.93	30.12	16	SCT	300	10.00		76	39	57	26	11	27	29.96	30.15
19	OVC	300	10.00		81	63	69	54	9	21	29.98	30.17	19	FEW	100	10.00		70	43	56	38	6	22	29.99	30.18
22	OVC	150	10.00		77	63	68	62	9	19	30.02	30.21	22	FEW	300	10.00		59	47	53	64	5	21	30.05	30.24
<b>SUNRISE: 0459 MAY 17</b>					<b>SUNSET: 1912</b>					<b>SUNRISE: 0455 MAY 23</b>					<b>SUNSET: 1917</b>										
01	SCT	150	10.00		73	62	66	69	9	21	30.00	30.19	01	CLR	NC	10.00		55	48	51	77	3	26	30.07	30.27
04	OVC	150	10.00		69	62	65	78	5	19	29.99	30.18	04	CLR	NC	10.00		57	45	51	64	9	01	30.15	30.34
07	OVC	250	10.00		71	62	65	73	7	23	30.05	30.24	07	SCT	250	10.00		59	38	49	46	7	01	30.25	30.44
10	BKN	250	10.00		81	64	70	57	5	VR	30.05	30.23	10	SCT	250	10.00		67	34	51	30	8	07	30.29	30.48
13	BKN	250	10.00		85	64	71	50	0	00	30.01	30.20	13	SCT	250	10.00		73	36	54	26	5	36	30.26	30.45
16	OVC	300	10.00		82	68	73	63	0	00	29.98	30.17	16	SCT	300	10.00		75	40	57	28	0	00	30.21	30.40
19	BKN	300	10.00		78	68	71	71	3	15	29.96	30.15	19	SCT	300	10.00		70	45	57	41	6	16	30.19	30.38
22	OVC	180	10.00		73	69	70	87	0	00	29.98	30.17	22	FEW	300	10.00		60	49	54	67	8	14	30.22	30.41
<b>SUNRISE: 0458 MAY 18</b>					<b>SUNSET: 1913</b>					<b>SUNRISE: 0454 MAY 24</b>					<b>SUNSET: 1918</b>										
01	OVC	160	10.00		74	67	69	79	3	21	29.97	30.15	01	SCT	300	10.00		58	49	53	72	3	15	30.21	30.40
04	OVC	140	10.00		73	66	69	79	7	23	29.93	30.12	04	FEW	300	10.00		54	48	51	80	0	00	30.21	30.40
07	BKN	250	10.00		75	66	69	74	5	22	29.95	30.14	07	SCT	300	10.00		61	52	56	72	8	19	30.24	30.43
10	BKN	300	10.00		84	67	73	57	6	28	29.94	30.13	10	FEW	300	10.00		75	57	64	54	10	21	30.22	30.40
13	BKN	100	10.00		88	65	73	46	6	35	29.90	30.09	13	SCT	080	10.00		81	56	66	42	7	20	30.17	30.36
16	BKN	160	10.00		87	68	74	53	0	00	29.85	30.03	16	SCT	300	10.00		82	55	66	40	10	21	30.11	30.30
19	SCT	160	10.00		83	65	71	55	8	19	29.84	30.02	19	SCT	300	10.00		75	57	64	54	7	20	30.10	30.29
22	BKN	090	10.00		80	68	72	67	15	19	29.82	30.01	22	SCT	300	10.00		67	57	61	71	7	17	30.13	30.32

# OBSERVATIONS AT 3-HOURLY INTERVALS

**RICHMOND, VA**  
MAY 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					
<b>SUNRISE: 0453</b>					<b>MAY 25</b>								<b>SUNSET: 1919</b>				
01	FEW	250	10.00		68	56	61	65	11	20	30.11	30.29					
04	CLR	NC	10.00		64	56	59	75	7	20	30.11	30.30					
07	SCT	250	10.00		68	58	62	70	8	22	30.15	30.34					
10	FEW	250	10.00		78	56	65	47	13	22	30.14	30.33					
13	BKN	250	10.00		82	58	67	44	14	20	30.10	30.29					
16	BKN	250	10.00		84	56	67	38	14	20	30.06	30.25					
19	SCT	250	10.00		77	57	65	50	7	18	30.04	30.23					
22	FEW	250	10.00		70	58	63	66	7	16	30.08	30.27					
<b>SUNRISE: 0453</b>					<b>MAY 26</b>								<b>SUNSET: 1920</b>				
01	CLR	NC	10.00		68	59	63	73	10	19	30.05	30.24					
04	CLR	NC	10.00		64	59	61	84	5	19	30.08	30.27					
07	SCT	250	10.00		70	62	65	76	10	20	30.11	30.30					
10	BKN	250	10.00		79	66	71	65	16	20	30.09	30.28					
13	OVC	250	10.00		84	66	72	55	13	20	30.06	30.24					
16	BKN	250	10.00		87	66	73	50	13	18	30.00	30.19					
19	BKN	250	10.00		81	65	71	58	8	20	29.99	30.18					
22	SCT	250	10.00		76	67	70	74	11	16	30.01	30.20					
<b>SUNRISE: 0452</b>					<b>MAY 27</b>								<b>SUNSET: 1920</b>				
01	BKN	020	10.00		75	68	70	79	16	18	30.01	30.20					
04	BKN	250	10.00		72	68	69	87	7	18	29.99	30.17					
07	SCT	250	10.00		75	68	70	79	13	19	30.02	30.21					
10	BKN	250	10.00		84	68	73	59	13	21	30.03	30.21					
13	BKN	250	10.00		87	67	74	51	13	20	29.99	30.18					
16	BKN	300	10.00		89	66	74	47	15	20	29.95	30.14					
19	BKN	300	10.00		85	65	72	51	8	24	29.94	30.13					
22	OVC	180	10.00		76	67	70	74	15	19	30.00	30.19					
<b>SUNRISE: 0452</b>					<b>MAY 28</b>								<b>SUNSET: 1921</b>				
01	BKN	250	10.00		73	66	69	79	7	21	29.99	30.17					
04	BKN	250	10.00		71	67	68	87	6	17	29.98	30.17					
07	BKN	250	10.00		73	68	70	84	7	20	30.02	30.21					
10	OVC	250	10.00		82	69	73	65	8	21	30.03	30.21					
13	OVC	250	10.00		87	67	74	51	7	17	30.01	30.20					
16	BKN	300	10.00		86	68	74	55	8	13	29.97	30.16					
19	BKN	300	10.00		80	67	71	64	6	13	29.98	30.17					
22	OVC	220	10.00		77	69	72	77	7	15	30.02	30.21					
<b>SUNRISE: 0451</b>					<b>MAY 29</b>								<b>SUNSET: 1922</b>				
01	BKN	250	10.00		72	68	69	87	5	18	30.03	30.21					
04	FEW	250	10.00		69	65	66	87	3	16	30.01	30.20					
07	FEW	040	10.00		72	66	68	82	8	19	30.06	30.25					
10	SCT	250	10.00		82	68	73	63	5	VR	30.07	30.25					
13	SCT	250	10.00		86	66	73	51	11	14	30.04	30.22					
16	BKN	300	10.00		83	66	72	57	9	13	30.01	30.20					
19	BKN	300	10.00		76	67	70	74	3	07	30.01	30.20					
22	BKN	300	10.00		71	66	68	84	7	13	30.03	30.22					
<b>SUNRISE: 0451</b>					<b>MAY 30</b>								<b>SUNSET: 1923</b>				
01	BKN	300	10.00		69	65	66	87	5	13	30.01	30.20					
04	FEW	300	10.00		69	66	67	90	3	17	30.01	30.20					
07	SCT	300	10.00		72	68	69	87	5	20	30.05	30.24					
10	SCT	300	10.00		81	68	72	65	9	17	30.03	30.22					
13	SCT	065	10.00		87	64	72	46	10	17	29.98	30.17					
16	SCT	050	10.00		86	63	71	46	10	17	29.92	30.10					
19	SCT	300	10.00		82	64	70	55	7	17	29.90	30.09					
22	SCT	300	10.00		74	66	69	76	8	17	29.91	30.10					

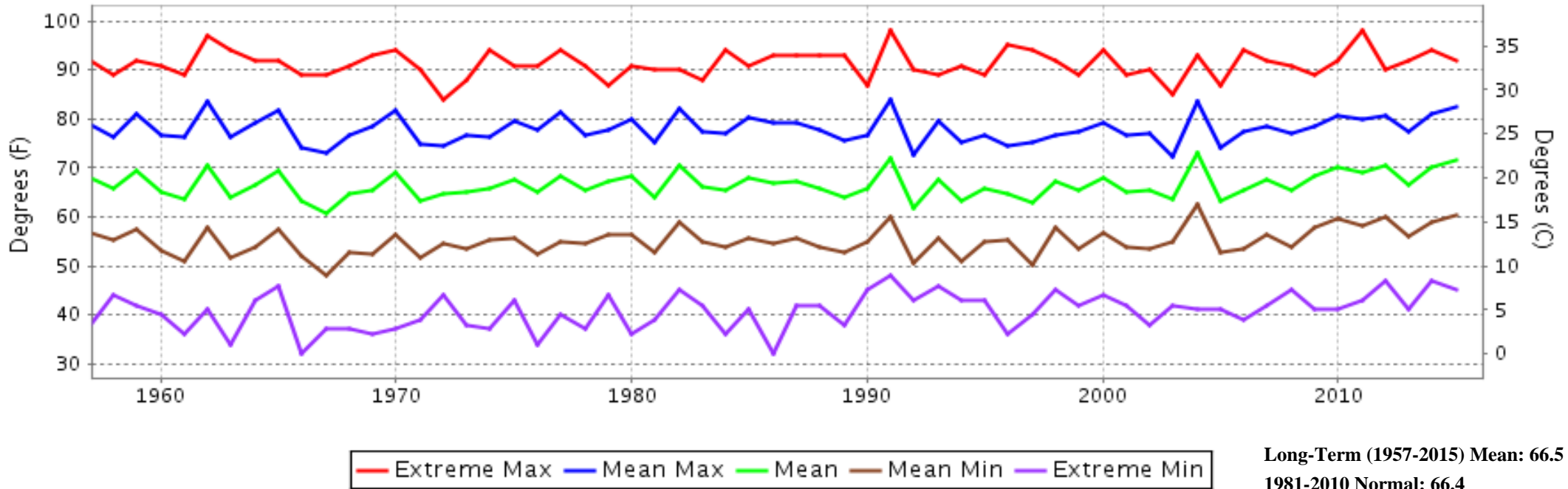
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
<b>SUNRISE: 0450</b>					<b>MAY 31</b>								<b>SUNSET: 1923</b>				
01	CLR	NC	10.00		73	63	67	71	9	18	29.92	30.10					
04	CLR	NC	10.00		69	63	65	81	7	19	29.91	30.10					
07	SCT	300	10.00		75	65	69	71	11	21	29.93	30.11					
10	FEW	060	10.00		84	67	73	57	13	22	29.91	30.10					
13	SCT	100	10.00		85	66	72	53	7	19	29.87	30.05					
16	OVC	300	10.00		88	64	72	45	15	18	29.82	30.00					
19	OVC	300	10.00		82	63	70	53	7	18	29.81	30.00					
22	OVC	300	10.00		79	66	71	65	10	16	29.86	30.04					

**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.

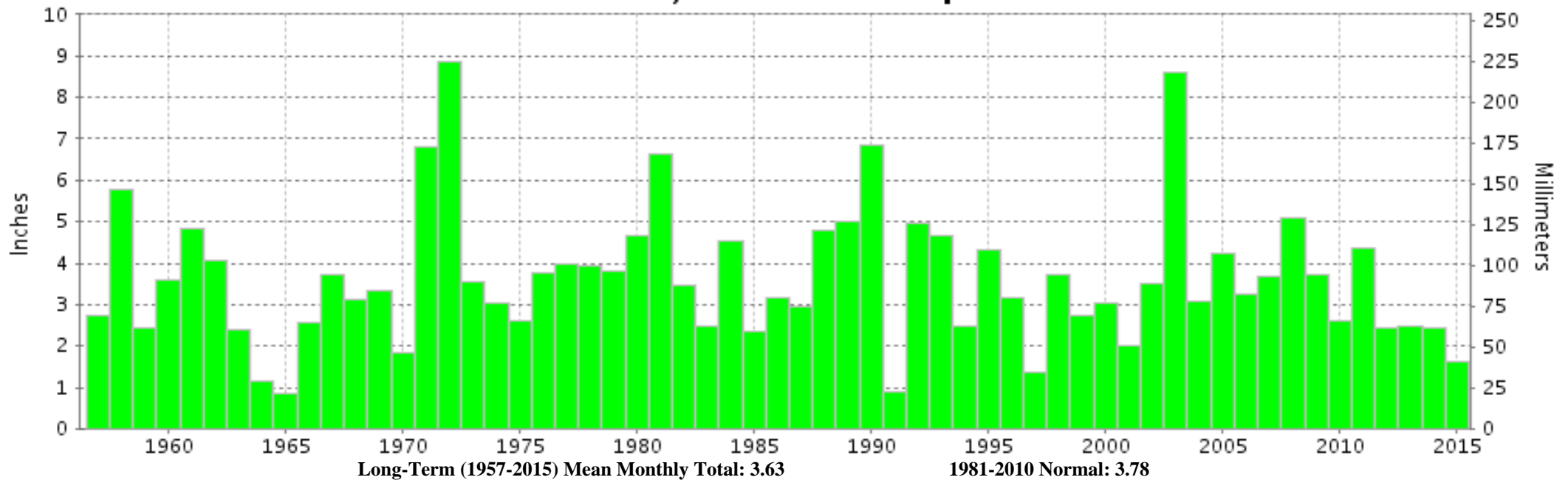
## SUMMARY BY HOUR

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	65	57	61	77	29.96	30.15	10.00	6	3	20
02	64	57	60	79	29.96	30.15	9.97	6	3	18
03	64	57	60	80	29.96	30.14	9.90	5	3	18
04	63	56	59	79	29.96	30.15	9.84	5	3	17
05	62	56	59	81	29.97	30.16	9.65	5	4	19
06	63	56	59	80	29.99	30.18	9.52	5	4	18
07	66	57	61	74	30.00	30.19	9.87	7	3	19
08	69	57	62	68	30.01	30.20	9.90	8	4	21
09	72	58	64	62	30.01	30.20	9.52	8	4	22
10	75	58	65	57	30.01	30.19	9.76	8	5	21
11	77	58	65	53	30.00	30.19	9.87	8	4	20
12	79	57	66	49	29.99	30.18	9.84	9	3	19
13	80	57	66	47	29.97	30.16	9.84	9	3	18
14	81	57	66	45	29.96	30.15	9.77	10	3	19
15	81	57	66	46	29.94	30.13	9.77	9	4	19
16	80	56	66	46	29.93	30.12	10.00	9	3	19
17	80	56	66	46	29.93	30.11	10.00	9	3	18
18	78	57	65	50	29.93	30.12	10.00	8	3	16
19	74	57	64	57	29.94	30.12	10.00	6	3	16
20	71	58	63	66	29.95	30.14	10.00	5	4	15
21	69	59	63	70	29.96	30.15	10.00	6	4	15
22	68	58	63	71	29.97	30.16	9.87	7	3	16
23	68	58	62	73	29.97	30.16	9.94	6	4	19
24	67	58	62	75	29.97	30.16	9.94	6	3	19

## RICHMOND, VA MAY Temperatures



## RICHMOND, VA MAY Precipitation





**MAY 2015  
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](http://www.ncdc.noaa.gov/IPS/lcd/lcd.html)

We welcome your questions or comments, please contact us at:  
(828) 271-4800, option 2  
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