



# MAY 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 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	81	67	74	13	61	66	0	9	RA BR HZ	0		0.0	T	29.63	29.81	8.6	21	9.4	25	24	22	23	01	
02	70	55	63	2	41	52	2	0		0		0.0	0.00	29.67	29.87	4.5	25	7.1	26	02	21	02	02	
03	77	51	64	3	43	53	1	0		0		0.0	0.00	29.67	29.85	4.1	26	5.4	26	28	20	25	03	
04	84	50	67	6	41	55	0	2		0		0.0	0.00	29.67	29.86	8.0	28	10.6	36	25	25	27	04	
05	69	51	60*	-1	41	50	5	0	RA	0		0.0	0.03	29.80	30.00	2.5	35	5.1	18	35	14	36	05	
06	74	55	65	3	52	56	0	0		0		0.0	0.00	29.77	29.97	1.9	09	2.6	12	09	9	19	06	
07	78	58	68	5	52	58	0	3		0		0.0	0.00	29.95	30.15	4.9	12	5.3	23	14	17	14	07	
08	91	62	77	14	60	66	0	12	BR HZ	0		0.0	0.00	29.91	30.09	3.5	22	4.4	22	25	16	23	08	
09	92	61	77	14	58	65	0	12	TS TSRA RA	0		0.0	0.06	29.86	30.05	5.6	21	5.8	49*	22	44*	21	09	
10	83	66	75	11	61	65	0	10	TS TSRA RA	0		0.0	0.24	29.85	30.03	8.7	22	9.7	35	23	24	23	10	
11	84	60	72	8	58	63	0	7	BR	0		0.0	0.00	29.91	30.11	1.0	17	3.5	14	02	13	04	11	
12	90	60	75	11	60	66	0	10		0		0.0	0.00	29.95	30.13	5.9	20	6.1	21	18	17	19	12	
13	94*	67	81*	17	64	69	0	16	TS HZ	0		0.0	0.00	29.91	30.10	0.9	18	5.3	23	02	17	01	13	
14	75	65	70	5	65	66	0	5	FG+ FG BR HZ	0		0.0	0.00	29.97	30.16	4.6	08	5.5	15	18	10	08	14	
15	86	64	75	10	65	68	0	10	RA BR	0		0.0	0.43	29.86	30.03	8.7	16	9.3	29	17	23	16	15	
16	76	59	68	3	57	61	0	3	RA BR	0		0.0	0.61	29.67	29.87	3.3	22	9.4	36	17	25	17	16	
17	71	53	62	-3	42	51	3	0		0		0.0	0.00	29.88	30.10	6.2	27	6.9	20	25	16	24	17	
18	70	52	61	-5	41	51	4	0		0		0.0	0.00	30.01	30.22	5.3	35	6.3	21	03	16	02	18	
19	75	47*	61	-5	39	50	4	0		0		0.0	0.00	30.07	30.26	2.6	31	4.3	17	24	14	25	19	
20	81	51	66	0	48	57	0	1		0		0.0	0.00	29.97	30.14	5.6	23	6.7	23	23	15	25	20	
21	87	62	75	8	62	67	0	10	RA	0		0.0	0.06	29.77	29.95	4.0	23	5.9	24	04	20	04	21	
22	90	64	77	10	64	68	0	12	TS TSRA RA MIFG BR HZ	0		0.0	0.66	29.67	29.86	2.1	27	4.3	39	29	26	30	22	
23	80	63	72	4	51	60	0	7	RA	0		0.0	T	29.75	29.96	5.2	01	7.3	26	35	20	01	23	
24	78	56	67	-2	49	57	0	2		0		0.0	0.00	29.89	30.09	6.6	35	6.9	30	35	21	35	24	
25	83	55	69	0	52	60	0	4		0		0.0	0.00	29.95	30.15	1.8	31	2.8	16	28	10	24	25	
26	88	59	74	5	60	66	0	9		0		0.0	0.00	29.93	30.10	7.3	22	7.9	28	12	20	22	26	
27	92	66	79	10	64	70	0	14	RA	0		0.0	T	29.80	29.97	6.4	24	7.4	30	19	17	26	27	
28	92	68	80	11	65	70	0	15	TS TSRA RA BR	0		0.0	0.34	29.75	29.94	3.3	29	7.8	29	03	23	02	28	
29	68	60	64	-6	59	60	1	0	RA DZ BR	0		0.0	T	29.93	30.13	5.9	08	6.4	24	06	16	08	29	
30	73	59	66	-4	59	61	0	1	RA DZ BR	0		0.0	0.01	29.93	30.12	2.8	04	3.7	14	02	12	01	30	
31	81	58	70	0	51	59	0	5	BR	0		0.0	0.00	29.98	30.19	5.0	03	7.6	22	11	17	11	31	

81.1			58.8			70.0			☼	54.4			60.8			0.6		5.8		< MONTHLY AVERAGES   TOTALS >				0.0		2.44		29.85		30.04		1.7		24		6.3		< MONTHLY AVERAGES						
3.2			3.8			3.6				<-----DEPARTURE FROM NORMAL----->												-1.34		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																				
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 1.04 DATE : 15-16									SEA LEVEL PRESSURE																										
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :									MAXIMUM : 30.32 19 0954																										
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 0 DATE :									MINIMUM : 29.73 01 1811																										
SEASON TO DATE									NUMBER OF -> DAYS WITH									MAXIMUM TEMP >= 90 : 7									MINIMUM TEMP <= 32 : 0									PRECIPITATION >= 0.01 INCH : 9								
HEATING : 20 -54 3780 14									MAXIMUM TEMP <= 32 : 0									MINIMUM TEMP <= 0 : 0									PRECIPITATION >= 0.10 INCH : 5																	
COOLING : 179 -60 208 47									THUNDERSTORMS : 5									HEAVY FOG : 1									SNOWFALL >= 1.0 INCH : 0																	

**MAY 2014  
RICHMOND, VA**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)  
MAY 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									T				01												01	T	T	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05			0.02	0.01	T							05	0.03	0.03	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09						0.02	0.04	T	T			09	0.06	0.06	
10			T			T							10			0.06	T	0.10	0.08		T	T		10	0.24	0.24		
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15						0.19	0.03	0.03	0.04	0.10	0.04	15	0.43	0.43	
16	0.04	0.05	T	0.01	0.15	0.22	0.11	0.02	0.01	T			16												16	0.61	0.61	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21					0.06							21	0.06	0.06	
22													22				T	0.45	0.21	T					22	0.66	0.66	
23													23									T			23	T	T	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27												27	T	T	
28													28						0.09	0.01	0.12	0.11	0.01		28	0.34	0.34	
29			T	T		T	T	T	T	T	T		29	T	T		T		T	T				29	T	T		
30						0.01	T						30												30	0.01	0.01	
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)	0.19	0.30	0.38	0.42	0.45	0.45	0.45	0.45	0.45	0.66	0.66	0.66
Ending Date	22	22	22	22	22	22	22	22	22	22	22	22
Ending Time (Hr/Min)	1758	1624	1625	1627	1627	1627	1627	1627	1627	1759	1759	1759

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 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:MMTS, SRG, Snowboard

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	4.00	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	8.00	10.00
06	9.00	10.00
07	8.00	10.00
08	1.00	10.00
09	5.00	10.00
10	2.50	10.00
11	5.00	10.00
12	8.00	10.00
13	6.00	10.00
14	0.25	6.00
15	1.50	10.00
16	1.75	10.00
17	10.00	10.00
18	10.00	10.00
19	10.00	10.00
20	10.00	10.00
21	7.00	10.00
22	1.50	10.00
23	10.00	10.00
24	10.00	10.00
25	10.00	10.00
26	9.00	10.00
27	8.00	10.00
28	2.50	10.00
29	1.00	5.00
30	0.75	10.00
31	3.00	10.00
<b>AVGS</b>	6.22	9.71
<b>MINIMUM VISIBILITY (MILES)</b>		
<= .25	<= 3.0	>= 7.0
1	10	17

**OBSERVATIONS AT 3-HOURLY INTERVALS**

**RICHMOND, VA**

**MAY 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: 0515</b>	<b>MAY 01</b>					<b>SUNSET: 1859</b>					<b>SUNRISE: 0508</b>	<b>MAY 07</b>					<b>SUNSET: 1904</b>						
01	BKN	012	7.00			70	66	67	87	9	20	29.68	29.87	01	OVC	250	10.00			59	55	57	87	0	00	29.88	30.08
04	OVC	080	6.00	BR		70	66	67	87	9	19	29.66	29.85	04	BKN	250	9.00			58	54	56	87	0	00	29.93	30.11
07	BKN	250	6.00	HZ		70	65	67	84	11	21	29.67	29.86	07	BKN	250	9.00			61	55	58	81	3	07	29.98	30.17
10	BKN	070	7.00			71	59	64	66	8	25	29.67	29.86	10	OVC	250	10.00			69	49	58	49	6	14	30.00	30.19
13	BKN	250	10.00			80	54	64	41	10	22	29.62	29.81	13	OVC	250	10.00			77	47	60	35	9	13	30.00	30.19
16	OVC	300	10.00			79	57	66	47	8	21	29.57	29.76	16	OVC	300	10.00			75	55	63	50	15	14	29.93	30.12
19	BKN	300	10.00			73	61	66	66	7	17	29.56	29.74	19	BKN	300	10.00			66	52	58	61	9	12	29.95	30.14
22	SCT	300	10.00			69	61	64	76	9	20	29.56	29.75	22	OVC	016	10.00			63	52	57	68	3	07	29.97	30.16
				<b>SUNRISE: 0513</b>	<b>MAY 02</b>					<b>SUNSET: 1860</b>					<b>SUNRISE: 0507</b>	<b>MAY 08</b>					<b>SUNSET: 1904</b>						
01	CLR	NC	10.00			63	45	54	52	11	02	29.62	29.81	01	OVC	011	10.00			63	55	58	76	3	12	29.93	30.12
04	SCT	250	10.00			59	46	52	62	0	00	29.67	29.86	04	OVC	020	10.00			64	58	60	81	0	00	29.92	30.11
07	SCT	250	10.00			61	45	53	56	3	26	29.71	29.91	07	OVC	007	2.00	BR		66	62	64	87	0	00	29.96	30.15
10	BKN	250	10.00			67	33	51	28	11	26	29.72	29.91	10	BKN	250	5.00	HZ		76	65	69	69	5	VR	29.95	30.14
13	OVC	150	10.00			67	36	52	32	10	24	29.69	29.88	13	FEW	300	10.00			88	61	71	40	3	VR	29.90	30.09
16	BKN	300	10.00			70	37	53	30	11	25	29.67	29.86	16	BKN	300	10.00			90	55	68	31	11	23	29.85	30.04
19	BKN	300	10.00			62	43	52	50	7	18	29.68	29.87	19	SCT	300	10.00			80	60	67	51	7	19	29.85	30.04
22	BKN	300	10.00			56	44	50	65	7	18	29.69	29.88	22	FEW	300	10.00			73	60	65	64	5	20	29.88	30.06
				<b>SUNRISE: 0512</b>	<b>MAY 03</b>					<b>SUNSET: 1901</b>					<b>SUNRISE: 0506</b>	<b>MAY 09</b>					<b>SUNSET: 1905</b>						
01	SCT	300	10.00			53	45	49	74	3	35	29.70	29.90	01	FEW	250	10.00			70	56	62	61	6	20	29.87	30.06
04	OVC	150	10.00			53	46	49	77	3	16	29.68	29.88	04	FEW	250	10.00			65	55	59	70	0	00	29.86	30.05
07	BKN	250	10.00			57	48	52	72	0	00	29.70	29.89	07	BKN	250	9.00			68	59	63	73	5	19	29.91	30.10
10	BKN	250	10.00			68	46	56	45	3	20	29.68	29.87	10	BKN	250	10.00			82	58	67	44	0	00	29.92	30.11
13	BKN	100	10.00			73	43	57	34	5	VR	29.65	29.85	13	OVC	250	10.00			88	61	71	40	9	18	29.86	30.05
16	SCT	080	10.00			77	38	57	24	16	28	29.60	29.79	16	OVC	300	10.00			89	52	67	28	15	20	29.80	29.99
19	FEW	100	10.00			72	36	54	27	7	24	29.62	29.81	19	OVC	300	10.00			81	59	67	47	7	18	29.80	29.99
22	SCT	100	10.00			60	42	51	52	3	21	29.65	29.85	22	OVC	150	10.00			71	64	67	79	11	22	29.86	30.05
				<b>SUNRISE: 0511</b>	<b>MAY 04</b>					<b>SUNSET: 1901</b>					<b>SUNRISE: 0505</b>	<b>MAY 10</b>					<b>SUNSET: 1906</b>						
01	FEW	100	10.00			60	43	51	53	6	28	29.68	29.87	01	OVC	140	10.00			70	61	64	73	8	21	29.82	30.01
04	CLR	NC	10.00			55	43	49	64	7	30	29.72	29.91	04	OVC	110	10.00			70	59	63	68	10	20	29.80	29.98
07	CLR	NC	10.00			62	44	53	52	6	24	29.75	29.94	07	OVC	180	10.00			72	60	65	66	10	24	29.87	30.06
10	FEW	300	10.00			75	35	55	23	14	26	29.71	29.90	10	BKN	250	10.00			79	61	68	54	11	23	29.88	30.06
13	SCT	300	10.00			80	39	58	23	18	25	29.63	29.82	13	OVC	180	10.00			80	61	68	52	7	22	29.85	30.03
16	BKN	300	10.00			84	40	60	21	20	29	29.56	29.75	16	BKN	120	10.00			71	64	67	79	7	18	29.81	30.00
19	BKN	300	10.00			77	41	58	28	8	32	29.59	29.78	19	OVC	300	10.00			67	61	63	81	11	18	29.85	30.04
22	OVC	100	10.00			65	43	54	45	13	05	29.71	29.90	22	OVC	120	10.00	-RA		67	59	62	76	7	23	29.85	30.04
				<b>SUNRISE: 0510</b>	<b>MAY 05</b>					<b>SUNSET: 1902</b>					<b>SUNRISE: 0504</b>	<b>MAY 11</b>					<b>SUNSET: 1907</b>						
01	CLR	NC	10.00			56	45	50	67	3	03	29.77	29.96	01	BKN	190	10.00			63	59	61	87	5	20	29.84	30.03
04	FEW	100	10.00			54	38	46	55	0	00	29.82	30.01	04	BKN	100	9.00			62	58	60	86	0	00	29.86	30.05
07	FEW	110	10.00			56	33	46	42	8	01	29.88	30.06	07	SCT	250	8.00			67	61	63	81	5	26	29.93	30.12
10	BKN	250	10.00			62	31	48	31	10	35	29.87	30.06	10	BKN	300	10.00			77	57	65	50	10	02	29.96	30.15
13	BKN	250	10.00			68	33	51	27	8	34	29.80	29.99	13	BKN	300	10.00			81	56	66	42	5	35	29.95	30.14
16	OVC	095	10.00	-RA		59	47	53	64	7	21	29.77	29.96	16	BKN	250	10.00			82	53	65	37	0	00	29.92	30.11
19	BKN	300	10.00			59	47	53	64	0	00	29.77	29.96	19	FEW	250	10.00			75	59	65	58	5	14	29.92	30.11
22	OVC	080	10.00			54	51	52	90	0	00	29.78	29.97	22	FEW	250	10.00			67	59	62	76	6	15	29.96	30.15
				<b>SUNRISE: 0509</b>	<b>MAY 06</b>					<b>SUNSET: 1903</b>					<b>SUNRISE: 0503</b>	<b>MAY 12</b>					<b>SUNSET: 1908</b>						
01	OVC	050	10.00			57	49	53	74	5	05	29.74	29.93	01	SCT	250	10.00			65	59	61	81	0	00	29.96	30.15
04	OVC	031	10.00			56	49	52	77	5	10	29.73	29.92	04	BKN	250	9.00			61	58	59	90	0	00	29.94	30.13
07	OVC	040	10.00			56	50	53	81	6	07	29.77	29.96	07	SCT	250	8.00			67	62	64	84	6	19	29.99	30.18
10	OVC	031	10.00			63	51	56	65	0	00	29.80	29.99	10	BKN	250	10.00			81	62	69	53	11	20	29.98	30.17
13	OVC	250	10.00			67	51	58	57	3	VR	29.77	29.96	13	BKN	250	10.00			88	60	70	39	13	18	29.94	30.13
16	BKN	250	10.00			72	51	60	48	0	00	29.75	29.94	16	BKN	250	10.00			90	56	69	32	11	22	29.90	30.09
19	BKN	250	9.00			68	54	60	61	0	00	29.80	29.99	19	BKN	250	10.00			81	64	70	57	6	18	29.90	30.09
22	BKN	250	10.00			61	55	58	81	3	16	29.85	30.05	22	SCT	250	10.00			75	62	67	64	0	00	29.92	30.11

# OBSERVATIONS AT 3-HOURLY INTERVALS

**RICHMOND, VA**  
MAY 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: 0502</b>					<b>MAY 13</b>					<b>SUNSET: 1909</b>					<b>SUNRISE: 0457</b>					<b>MAY 19</b>					<b>SUNSET: 1914</b>				
01	FEW	150	10.00		71	62	65	73	5	19	29.89	30.08	01	FEW	300	10.00		51	43	47	74	0	00	30.05	30.25				
04	CLR	NC	10.00		69	62	65	78	3	20	29.90	30.09	04	CLR	NC	10.00		49	43	46	80	0	00	30.08	30.27				
07	FEW	200	10.00		76	64	68	67	5	27	29.93	30.12	07	FEW	300	10.00		56	45	50	67	6	34	30.12	30.31				
10	FEW	250	10.00		86	63	71	46	7	29	29.94	30.12	10	CLR	NC	10.00		69	37	53	31	7	03	30.13	30.32				
13	SCT	250	10.00		92	64	73	40	3	VR	29.91	30.10	13	FEW	080	10.00		70	31	51	23	0	00	30.08	30.27				
16	SCT	250	10.00	TS	91	64	73	41	8	17	29.88	30.06	16	SCT	300	10.00		74	33	54	22	10	36	30.04	30.24				
19	BKN	250	10.00		83	63	70	51	0	00	29.89	30.08	19	SCT	300	10.00		69	34	52	27	7	29	30.03	30.22				
22	OVC	150	6.00	HZ	73	66	69	79	13	03	29.98	30.16	22	CLR	NC	10.00		58	44	51	60	3	23	30.04	30.23				
<b>SUNRISE: 0501</b>					<b>MAY 14</b>					<b>SUNSET: 1910</b>					<b>SUNRISE: 0457</b>					<b>MAY 20</b>					<b>SUNSET: 1915</b>				
01	OVC	006	5.00	BR	67	63	65	87	8	12	29.95	30.14	01	FEW	300	10.00		54	42	48	64	0	00	30.03	30.22				
04	OVC	003	2.00	BR	66	63	64	90	3	07	29.96	30.15	04	CLR	NC	10.00		52	43	48	72	3	20	30.03	30.22				
07	OVC	002	1.00	BR	65	63	64	93	6	05	30.01	30.20	07	OVC	250	10.00		63	45	54	52	7	24	30.04	30.23				
10	OVC	006	5.00	HZ	68	63	65	84	7	09	30.02	30.21	10	BKN	250	10.00		72	49	59	44	9	27	30.02	30.21				
13	OVC	010	6.00	HZ	72	65	68	79	7	06	30.00	30.19	13	BKN	250	10.00		76	49	61	39	6	VR	29.95	30.14				
16	BKN	250	5.00	HZ	74	66	69	76	5	05	29.95	30.14	16	SCT	250	10.00		80	46	61	30	9	25	29.89	30.09				
19	BKN	250	6.00	HZ	72	67	69	84	6	08	29.93	30.11	19	OVC	250	10.00		73	53	61	50	6	18	29.86	30.05				
22	BKN	250	3.00	BR	68	65	66	90	0	00	29.96	30.15	22	SCT	250	10.00		65	54	59	68	6	19	29.86	30.05				
<b>SUNRISE: 0501</b>					<b>MAY 15</b>					<b>SUNSET: 1911</b>					<b>SUNRISE: 0456</b>					<b>MAY 21</b>					<b>SUNSET: 1916</b>				
01	FEW	300	4.00	BR	66	63	64	90	3	17	29.93	30.12	01	SCT	140	10.00		65	56	60	73	7	21	29.82	30.01				
04	SCT	300	7.00		64	62	63	93	7	13	29.91	30.10	04	FEW	080	10.00		62	57	59	84	8	20	29.80	29.98				
07	OVC	033	4.00	BR	70	66	67	87	6	14	29.92	30.11	07	OVC	300	8.00		69	60	64	73	7	25	29.82	30.01				
10	BKN	050	10.00		79	67	71	67	11	17	29.90	30.09	10	BKN	300	9.00		82	60	68	47	7	24	29.81	30.00				
13	OVC	200	10.00		83	64	71	53	14	16	29.83	30.02	13	BKN	300	10.00		87	60	70	40	9	23	29.76	29.95				
16	OVC	180	10.00		81	65	71	58	8	17	29.80	29.99	16	BKN	250	10.00		85	59	69	42	9	23	29.71	29.90				
19	OVC	040	1.50	+RA BR	70	67	68	90	9	24	29.78	29.97	19	BKN	250	7.00		76	71	73	85	0	00	29.69	29.88				
22	OVC	130	4.00	-RA BR	71	68	69	90	9	14	29.74	29.93	22	OVC	250	8.00		71	65	67	81	5	12	29.71	29.89				
<b>SUNRISE: 0460</b>					<b>MAY 16</b>					<b>SUNSET: 1911</b>					<b>SUNRISE: 0455</b>					<b>MAY 22</b>					<b>SUNSET: 1916</b>				
01	OVC	110	5.00	-RA BR	72	69	70	91	15	14	29.65	29.84	01	OVC	130	6.00	BR	69	65	66	87	0	00	29.69	29.88				
04	OVC	021	5.00	-RA BR	72	68	69	87	20	17	29.59	29.78	04	BKN	230	4.00	BR	67	64	65	91	5	36	29.65	29.83				
07	OVC	031	5.00	-RA BR	63	60	61	90	8	31	29.67	29.85	07	OVC	250	4.00	BR	70	66	67	87	5	33	29.69	29.88				
10	BKN	050	10.00		63	56	59	78	9	36	29.71	29.90	10	OVC	250	9.00		82	64	70	55	5	28	29.69	29.88				
13	BKN	250	10.00		70	58	63	66	5	VR	29.69	29.88	13	BKN	250	10.00		88	59	69	38	6	VR	29.67	29.85				
16	SCT	250	10.00		74	55	63	52	6	VR	29.65	29.84	16	BKN	250	10.00	-TSRA	83	63	70	51	8	18	29.60	29.79				
19	FEW	045	10.00		69	50	58	51	10	24	29.70	29.89	19	SCT	250	10.00		72	67	69	84	5	VR	29.66	29.85				
22	CLR	NC	10.00		61	46	53	58	3	23	29.76	29.96	22	FEW	250	3.00	BR	67	65	66	93	0	00	29.70	29.89				
<b>SUNRISE: 0459</b>					<b>MAY 17</b>					<b>SUNSET: 1912</b>					<b>SUNRISE: 0455</b>					<b>MAY 23</b>					<b>SUNSET: 1917</b>				
01	CLR	NC	10.00		59	45	52	60	8	30	29.79	29.98	01	FEW	100	10.00		68	59	63	73	11	35	29.71	29.90				
04	FEW	250	10.00		55	45	50	69	7	29	29.84	30.03	04	OVC	280	10.00		64	51	57	63	5	01	29.75	29.93				
07	FEW	200	10.00		57	45	51	64	7	27	29.91	30.10	07	BKN	300	10.00		66	50	57	56	11	01	29.80	29.99				
10	SCT	055	10.00		64	40	52	41	8	28	29.93	30.13	10	BKN	250	10.00		73	48	59	41	8	36	29.81	30.00				
13	SCT	250	10.00		68	36	52	31	11	28	29.92	30.11	13	BKN	250	10.00		77	47	60	35	7	31	29.78	29.97				
16	BKN	250	10.00		70	37	53	30	11	29	29.91	30.10	16	SCT	070	10.00		80	50	63	35	0	00	29.73	29.92				
19	SCT	250	10.00		65	36	51	34	6	27	29.94	30.13	19	SCT	250	10.00		75	55	63	50	0	00	29.74	29.93				
22	SCT	100	10.00		56	46	51	70	0	00	29.97	30.16	22	BKN	100	10.00		70	50	59	49	14	01	29.82	30.01				
<b>SUNRISE: 0458</b>					<b>MAY 18</b>					<b>SUNSET: 1913</b>					<b>SUNRISE: 0454</b>					<b>MAY 24</b>					<b>SUNSET: 1918</b>				
01	SCT	100	10.00		55	46	50	72	0	00	29.97	30.16	01	CLR	NC	10.00		63	43	53	48	10	36	29.85	30.03				
04	BKN	100	10.00		53	44	49	72	8	34	30.00	30.19	04	CLR	NC	10.00		57	44	50	62	7	33	29.86	30.05				
07	BKN	250	10.00		56	42	49	60	13	02	30.05	30.24	07	CLR	NC	10.00		61	47	54	60	15	36	29.92	30.11				
10	OVC	300	10.00		64	40	52	41	8	36	30.07	30.26	10	FEW	040	10.00		69	49	58	49	9	36	29.93	30.12				
13	BKN	250	10.00		67	37	52	33	8	32	30.03	30.23	13	SCT	300	10.00		74	50	60	43	9	32	29.90	30.09				
16	BKN	250	10.00		69	39	54	33	5	30	30.01	30.20	16	SCT	050	10.00		78	50	62	37	8	33	29.88	30.07				
19	FEW	070	10.00		63	38	51	40	6	01	30.02	30.21	19	SCT	250	10.00		73	50	60	44	0	00	29.90	30.09				
22	CLR	NC	10.00		55	43	49	64	0	00	30.05	30.24	22	SCT	250	10.00		63	54	58	73	0	00	29.94	30.12				

# OBSERVATIONS AT 3-HOURLY INTERVALS

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      MAY 25      SUNSET: 1919</b>												
01	FEW	250	10.00		58	52	55	81	0	00	29.93	30.12
04	CLR	NC	10.00		59	53	56	81	0	00	29.93	30.12
07	CLR	NC	10.00		65	54	59	68	3	31	29.97	30.16
10	FEW	250	10.00		76	52	62	43	0	00	30.00	30.19
13	BKN	250	10.00		80	49	62	34	6	01	29.96	30.15
16	BKN	250	10.00		81	46	61	29	8	31	29.94	30.13
19	BKN	250	10.00		78	45	60	31	3	23	29.94	30.13
22	CLR	NC	10.00		66	55	60	68	0	00	29.97	30.16
<b>SUNRISE: 0453      MAY 26      SUNSET: 1920</b>												
01	CLR	NC	10.00		65	57	60	76	3	17	29.96	30.15
04	CLR	NC	10.00		61	56	58	84	0	00	29.96	30.15
07	FEW	300	10.00		68	58	62	70	6	24	29.99	30.18
10	FEW	300	10.00		82	61	69	49	8	26	29.97	30.16
13	BKN	300	10.00		87	58	69	37	13	23	29.92	30.11
16	BKN	300	10.00		86	59	69	40	14	22	29.85	30.04
19	OVC	300	10.00		79	63	69	58	7	20	29.84	30.03
22	FEW	300	10.00		72	63	66	73	7	19	29.85	30.04
<b>SUNRISE: 0452      MAY 27      SUNSET: 1920</b>												
01	FEW	300	10.00		74	63	67	69	9	23	29.84	30.02
04	SCT	300	10.00		67	63	65	87	5	18	29.83	30.02
07	BKN	300	9.00		74	65	68	74	7	24	29.84	30.03
10	BKN	300	9.00		85	65	72	51	8	27	29.82	30.01
13	BKN	300	10.00		89	63	72	42	6	21	29.78	29.97
16	BKN	300	10.00		89	62	71	41	9	24	29.70	29.89
19	OVC	300	10.00		85	64	71	50	13	24	29.72	29.91
22	BKN	150	10.00		78	66	70	67	5	32	29.75	29.94
<b>SUNRISE: 0452      MAY 28      SUNSET: 1921</b>												
01	OVC	170	8.00		72	67	69	84	6	22	29.73	29.92
04	BKN	160	9.00		72	66	68	82	3	31	29.70	29.89
07	BKN	300	9.00		77	64	69	64	8	27	29.74	29.93
10	OVC	300	9.00		85	63	71	48	14	26	29.76	29.95
13	BKN	300	10.00		91	62	72	38	6	VR	29.75	29.93
16	BKN	300	8.00		90	61	71	38	10	28	29.71	29.90
19	OVC	300	3.00	TSRA	71	65	67	81	9	07	29.77	29.96
22	OVC	110	4.00	-RA BR	69	66	67	90	5	16	29.82	30.01
<b>SUNRISE: 0451      MAY 29      SUNSET: 1922</b>												
01	OVC	004	2.50	BR	64	62	63	93	11	07	29.88	30.07
04	OVC	005	5.00	BR	62	59	60	90	7	08	29.89	30.08
07	OVC	005	1.00	-DZ BR	60	58	59	93	6	07	29.94	30.13
10	OVC	009	1.25	-DZ BR	62	59	60	90	7	05	29.98	30.17
13	OVC	007	1.25	-DZ BR	63	60	61	90	7	08	29.98	30.17
16	OVC	008	2.00	BR	63	60	61	90	7	06	29.94	30.13
19	OVC	005	2.00	BR	62	60	61	93	3	12	29.94	30.14
22	OVC	012	3.00	BR	62	59	60	90	5	12	29.95	30.14
<b>SUNRISE: 0451      MAY 30      SUNSET: 1923</b>												
01	OVC	012	4.00	BR	62	59	60	90	0	00	29.93	30.12
04	OVC	006	3.00	BR	62	59	60	90	3	07	29.90	30.09
07	OVC	023	3.00	BR	62	60	61	93	3	11	29.91	30.10
10	OVC	013	4.00	BR	65	61	63	87	7	02	29.95	30.14
13	OVC	028	10.00		69	60	64	73	8	04	29.95	30.14
16	BKN	035	10.00		70	58	63	66	5	36	29.93	30.12
19	BKN	250	10.00		67	58	62	73	3	01	29.93	30.12
22	FEW	250	8.00		60	57	58	90	0	00	29.95	30.15

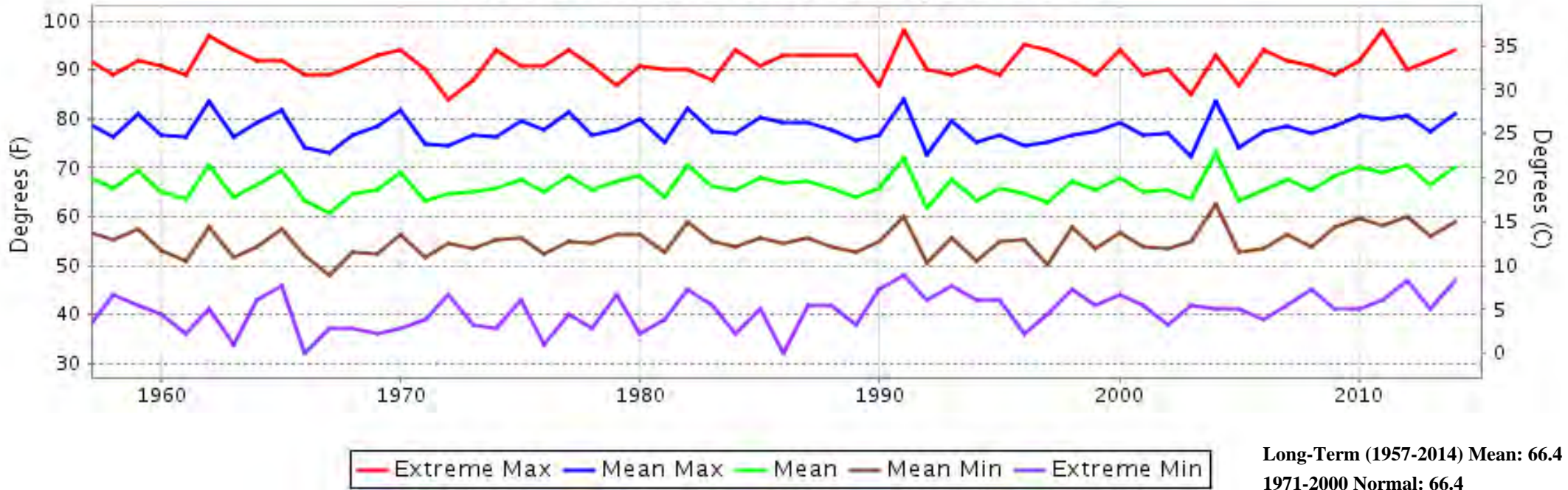
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0450      MAY 31      SUNSET: 1923</b>												
01	CLR	NC	6.00	BR	61	58	59	90	3	25	29.94	30.13
04	SCT	075	5.00	BR	60	57	58	90	3	33	29.94	30.13
07	BKN	300	10.00		65	58	61	78	7	01	29.99	30.18
10	OVC	300	10.00		75	52	62	45	10	04	30.01	30.20
13	OVC	300	10.00		78	46	60	32	10	03	29.99	30.18
16	SCT	250	10.00		80	44	60	28	8	35	29.97	30.16
19	SCT	250	10.00		72	47	58	41	7	10	30.01	30.20
22	SCT	250	10.00		61	52	56	72	6	12	30.08	30.27

**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.

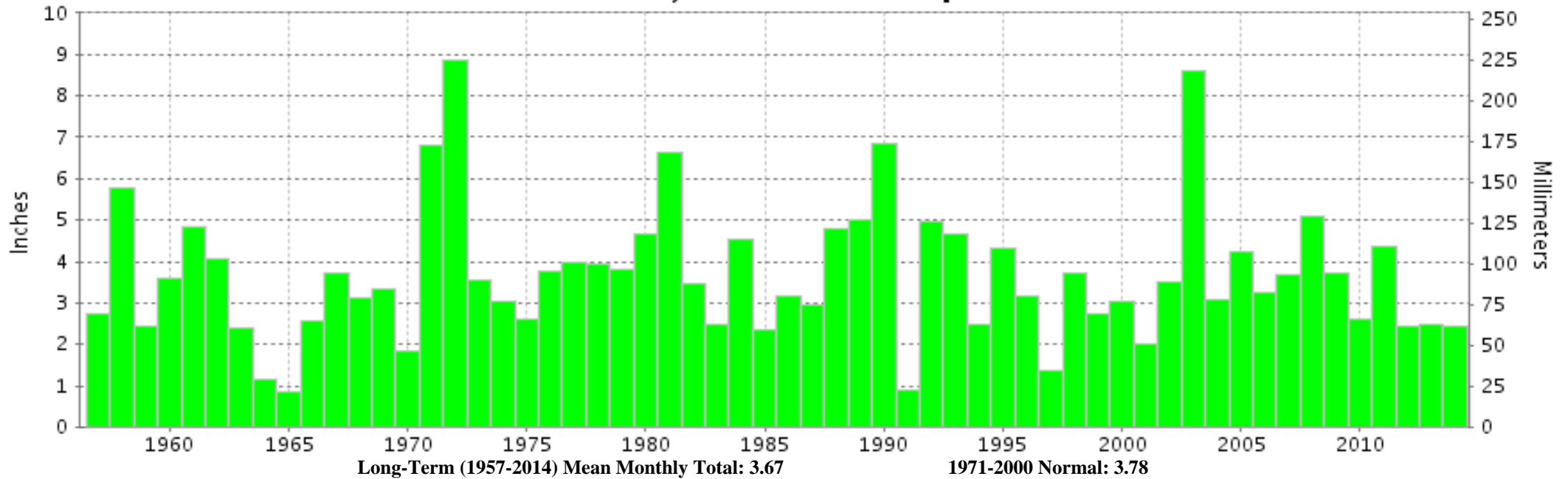
## SUMMARY BY HOUR

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	63	55	59	76	29.84	30.03	8.63	5	2	19
02	63	55	58	77	29.84	30.03	8.74	5	2	19
03	62	55	58	78	29.84	30.03	8.79	5	2	19
04	61	54	57	79	29.84	30.03	8.48	4	2	19
05	61	54	57	80	29.85	30.04	7.77	4	2	19
06	62	55	58	79	29.87	30.06	7.28	5	2	22
07	65	55	60	73	29.88	30.07	7.94	6	2	23
08	68	55	60	65	29.89	30.08	8.09	7	2	24
09	71	54	61	58	29.89	30.08	8.52	8	3	24
10	73	53	62	52	29.89	30.08	8.98	8	3	24
11	75	53	63	48	29.88	30.07	9.21	7	4	25
12	77	52	63	45	29.87	30.06	9.49	8	5	25
13	78	52	63	43	29.86	30.04	9.59	8	3	23
14	79	52	63	42	29.84	30.03	9.53	8	4	25
15	79	52	63	42	29.83	30.01	9.29	9	6	26
16	79	52	63	43	29.81	30.00	9.52	9	4	25
17	77	53	63	47	29.81	30.00	9.31	9	4	25
18	75	53	63	49	29.81	30.00	9.19	8	3	24
19	72	55	62	57	29.83	30.01	8.98	6	2	21
20	69	56	62	67	29.84	30.03	8.89	5	2	22
21	67	56	61	70	29.85	30.04	8.94	5	2	15
22	65	56	60	73	29.86	30.05	8.68	5	2	15
23	65	56	60	74	29.86	30.05	8.45	5	2	14
24	64	56	59	76	29.86	30.05	8.71	3	2	17

## RICHMOND, VA MAY Temperatures



## RICHMOND, VA MAY Precipitation





**MAY 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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