



MAY 2016 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	67	52	60	-1	57	58	5	0	TS TSRA RA FG+ BR	0		0.0	0.69	29.90	30.07	2.6	12	4.1	17	14	14	28	01	
02	85	62	74	13	64	66	0	9	TS TSRA RA BR	0		0.0	1.31	29.75	29.92	5.1	21	7.1	27	30	21	29	02	
03	76	59	68	7	61	63	0	3	RA BR	0		0.0	0.59	29.60	29.78	2.0	19	6.3			14	03	03	
04	68	54	61	0	56	57	4	0	RA DZ BR	0		0.0	0.26	29.50	29.68	5.1	05	6.4	26	33	22	33	04	
05	55	50	53*	-8	50	51	12	0	RA DZ BR	0		0.0	0.55	29.45	29.64	8.4	03	7.9	21	02	17	02	05	
06	58	50	54	-8	50	51	11	0	RA BR	0		0.0	1.62	29.51	29.71	3.5	30	5.6	23	31	17	35	06	
07	68	48	58	-5	49	53	7	0	RA	0		0.0	T	29.59	29.78	1.9	27	6.3	19	27	15	27	07	
08	77	51	64	1	51	57	1	0		0		0.0	0.00	29.60	29.83	3.3	33	7.0	25	27	20	35	08	
09	76	51	64	1	51	57	1	0		0		0.0	0.00	29.88	30.08	1.1	08	3.5	13	15	10	01	09	
10	68	58	63	-1	57	59	2	0	RA	0		0.0	T	29.98	30.19	4.5	07	5.9	16	36	13	07	10	
11	66	56	61	-3	59	60	4	0	RA DZ FG+ FG BR	0		0.0	0.10	29.96	30.15	4.0	04	4.7	13	04	10	04	11	
12	68	58	63	-1	60	61	2	0	RA DZ FG+ FG BR HZ	0		0.0	0.01	29.91	30.09	3.2	09	4.5	15	15	13	13	12	
13	75	59	67	3	63	64	0	2	TS RA FG+ FG BR	0		0.0	0.06	29.72	29.89	5.4	20	7.3	19	24	16	24	13	
14	80	52	66	1	52	57	0	1	RA MIFG BR	0		0.0	0.07	29.62	29.81	4.8	26	8.5	51*	31	37*	31	14	
15	65	44	55	-10	34	46	10	0		0		0.0	0.00	29.78	30.01	9.2	30	10.2	32	31	24	28	15	
16	69	39*	54	-11	38	48	11	0		0		0.0	0.00	30.01	30.22	2.3	27	4.6	19	32	15	32	16	
17	59	54	57	-8	53	54	8	0	RA FG BR	0		0.0	1.38	30.01	30.19	3.5	01	5.0	15	01	13	01	17	
18	65	53	59	-7	53	55	6	0	RA BR	0		0.0	T	29.91	30.09	5.7	03	6.5	17	05	13	03	18	
19	69	52	61	-5	51	55	4	0		0		0.0	0.00	29.93	30.14	2.4	01	5.9	15	34	12	01	19	
20	75	47	61	-5	49	55	4	0	BR	0		0.0	0.00	30.03	30.22	4.4	12	5.8			14	14	20	
21	61	55	58	-9	56	57	7	0	RA DZ BR	0		0.0	1.04	29.78	29.94	7.6	01	10.6	23	32	20	32	21	
22	60	53	57	-10	53	54	8	0	RA DZ BR	0		0.0	0.13	29.68	29.87	8.2	34	8.5	21	35	17	35	22	
23	70	53	62	-6	54	56	3	0	RA BR	0		0.0	0.60	29.75	29.94	7.7	35	8.7	22	01	17	02	23	
24	83	51	67	-2	54	60	0	2	BR	0		0.0	0.00	29.83	30.04	3.6	26	5.7	18	34	15	27	24	
25	86	57	72	3	55	63	0	7		0		0.0	0.00	29.96	30.15	4.6	25	5.6	20	22	15	23	25	
26	89*	61	75	6	61	66	0	10	BR	0		0.0	0.00	29.92	30.10	6.7	19	7.0	22	22	17	24	26	
27	87	67	77*	8	64	69	0	12		0		0.0	0.00	29.91	30.10	8.9	19	9.4	19	21	16	17	27	
28	85	63	74	5	61	66	0	9		0		0.0	0.00	29.97	30.16	4.7	17	5.7	16	15	13	18	28	
29	80	63	72	2	67	68	0	7	RA BR	0		0.0	0.95	29.93	30.10	2.1	03	4.5	24	12	20	12	29	
30	77	66	72	2	68	69	0	7	RA FG+ FG BR	0		0.0	0.43	29.82	30.00	1.0	06	3.0	17	13	16	13	30	
31	84	65	75	5	67	69	0	10	FG+ BR	0		0.0	0.00	29.78	29.98	3.1	09	4.1	16	06	12	04	31	

72.6	54.9	63.8	☼	55.4	58.8	3.5	2.5	< MONTHLY AVERAGES TOTALS >				0.0	9.79	29.81	30.00	0.7	35	6.3	< MONTHLY AVERAGES			
-5.3	-0.1	-2.6		-----DEPARTURE FROM NORMAL ----->								6.01	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 2.12 DATE : 05-06				SEA LEVEL PRESSURE											
MONTHLY				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.28 DATE 20 TIME 1055											
TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.61 DATE 05 TIME 1554											
SEASON TO DATE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH: 16			
HEATING : 110 36 3325 -441				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH: 13							
COOLING : 79 -40 109 -52				THUNDERSTORMS : 3				HEAVY FOG : 6				SNOWFALL >= 1.0 INCH : 0							

**MAY 2016
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
MAY 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			0.10	0.35	0.03	T	T	0.01	0.01	T	0.18	0.01	01	T	T										01	0.69	0.69	
02	0.26	0.02	T										02						T	0.02	0.03	0.17	0.62	0.19	02	1.31	1.31	
03	0.18	0.16	0.15	0.06	0.02	0.02	T	T	T	T			03					T							03	0.59	0.59	
04	T	T	T	T	T		T	T	T	T	T		04			0.24	0.02					T	T		04	0.26	0.26	
05	T	T	T	T	T	0.02	T	T			T	0.01	05	0.01		T	0.07	0.09	0.05	0.02	0.05	0.04	0.07	0.05	0.07	05	0.55	0.55
06	0.09	0.04	0.17	0.25	0.14	0.19	0.09	0.09	0.20	0.14	0.12	0.05	06	0.01	T	0.03	0.01	T	T			T	T	T	06	1.62	1.62	
07													07	T	T										07	T	T	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10				T	T	T	T	T	T	T	T	T	10	T		T	T	T		T	T	T	T		10	T	T	
11			0.01	T	T	T	T	T	T	T			11	0.09	T						T				11	0.10	0.10	
12		0.01											12												12	0.01	0.01	
13												T	13	0.02	0.02	T		0.01	0.01						13	0.06	0.06	
14													14				T	0.07	T						14	0.07	0.07	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17							T	0.04	0.38	0.45	0.40	0.09	17	0.01	T	0.01	T	T		T	T	T	T	17	1.38	1.38		
18													18									T	T		18	T	T	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21	T	0.03	0.02	0.02	0.05	0.17	0.43	0.27	0.04	T			21		0.01	T	T	T						21	1.04	1.04		
22						T	T	0.01		T			22		0.01	0.05	T	T		T	T	0.01	0.02	0.03	22	0.13	0.13	
23	0.02	0.01	0.02	0.03	0.04	0.14	0.21	0.02	0.01	0.04	0.04	0.01	23	T	T	0.01					T	T		23	0.60	0.60		
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												T	29	T	T	0.11	0.26	0.15	0.25	0.17	T	0.01	T	T	29	0.95	0.95	
30										T	T	T	30	T	0.01	0.35	0.04	0.03	T					30	0.43	0.43		
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)	0.12	0.20	0.24	0.27	0.39	0.51	0.59	0.68	0.85	0.98	1.12	1.24
Ending Date	21	21	21	21	21	21	21	21	17	17	17	17
Ending Time (Hr/Min)	0655	0659	0704	0709	0701	0716	0731	0744	1027	1027	1057	1115

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 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:MMTS, SRG, Snowboard

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	0.25	10.00
02	0.75	10.00
03	3.00	10.00
04	2.50	10.00
05	2.50	10.00
06	1.75	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	0.25	10.00
12	0.25	10.00
13	0.25	10.00
14	3.00	10.00
15	10.00	10.00
16	10.00	10.00
17	0.75	10.00
18	4.00	10.00
19	9.00	10.00
20	6.00	10.00
21	0.75	10.00
22	1.50	10.00
23	2.00	10.00
24	6.00	10.00
25	9.00	10.00
26	6.00	10.00
27	9.00	10.00
28	9.00	10.00
29	1.50	10.00
30	0.50	10.00
31	0.12	10.00
AVGS	4.50	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
5	17	10

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
MAY 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: 0515					MAY 01					SUNSET: 1859					SUNRISE: 0508					MAY 07					SUNSET: 1904				
01	OVC	032	10.00		53	50	51	89	3	15	29.97	30.16	01	SCT	065	10.00		50	48	49	93	6	26	29.58	29.77				
04	OVC	050	4.00	RA BR	52	51	51	97	6	11	29.96	30.16	04	SCT	180	10.00		49	48	48	97	3	28	29.58	29.77				
07	OVC	024	10.00	-RA	53	52	52	96	7	13	29.94	30.13	07	BKN	180	10.00		53	49	51	86	6	33	29.61	29.81				
10	OVC	015	10.00		56	54	55	93	10	14	29.90	30.09	10	BKN	200	10.00		61	49	55	65	9	30	29.63	29.82				
13	OVC	016	10.00	-RA	58	56	57	93	5	17	29.88	30.07	13	BKN	080	10.00	-RA	62	48	55	60	10	28	29.61	29.80				
16	OVC	020	6.00	BR	64	62	63	93	0	00	29.81	30.01	16	BKN	300	10.00		65	48	56	54	3	20	29.56	29.75				
19	OVC	033	6.00	BR	65	64	64	97	3	04	29.81	30.00	19	BKN	300	10.00		60	51	55	72	7	11	29.56	29.75				
22	OVC	002	2.50	BR	63	63	63	100	3	07	29.82	30.01	22	BKN	160	10.00		57	52	54	83	7	13	29.57	29.76				
SUNRISE: 0513					MAY 02					SUNSET: 1860					SUNRISE: 0507					MAY 08					SUNSET: 1904				
01	OVC	018	0.75	TSRA BR	63	62	62	97	5	36	29.80	29.99	01	FEW	180	10.00		55	52	53	90	6	15	29.53	29.72				
04	SCT	250	10.00		63	62	62	97	8	20	29.75	29.94	04	SCT	110	10.00		51	51	51	100	0	00	29.50	29.69				
07	OVC	005	2.50	BR	65	64	64	97	5	25	29.78	29.97	07	BKN	200	10.00		60	55	57	84	8	25	29.53	29.72				
10	BKN	020	7.00		72	66	68	82	9	22	29.79	29.98	10	SCT	250	10.00		75	57	64	54	15	27	29.57	29.76				
13	SCT	250	10.00		81	66	71	61	13	21	29.73	29.92	13	OVC	200	10.00		74	51	61	45	13	01	29.63	29.82				
16	BKN	250	10.00		82	63	70	53	9	19	29.66	29.85	16	OVC	250	10.00		73	45	58	37	8	34	29.66	29.85				
19	SCT	100	10.00		73	64	67	74	9	16	29.67	29.86	19	BKN	250	10.00		68	47	57	47	0	00	29.70	29.90				
22	OVC	070	3.00	-TSRA BR	67	65	66	93	6	30	29.73	29.92	22	BKN	100	10.00		59	48	53	67	5	10	29.82	30.01				
SUNRISE: 0512					MAY 03					SUNSET: 1901					SUNRISE: 0506					MAY 09					SUNSET: 1905				
01	OVC	110	3.00	+RA BR	64	63	63	96	10	19	29.65	29.84	01	SCT	090	10.00		54	48	51	80	0	00	29.87	30.07				
04	OVC	080	6.00	-RA BR	64	64	64	100	6	21	29.63	29.82	04	FEW	100	10.00		53	49	51	86	0	00	29.88	30.07				
07	OVC	014	10.00	-RA	64	63	63	96	7	30	29.63	29.82	07	BKN	300	10.00		58	50	54	75	5	14	29.89	30.09				
10	OVC	250	10.00		67	62	64	84	5	25	29.62	29.81	10	OVC	090	10.00		68	43	55	40	7	19	29.91	30.11				
13	BKN	050	10.00		71	61	65	71	3	20	29.58	29.77	13	OVC	150	10.00		72	49	59	44	0	00	29.90	30.09				
16	SCT	037	10.00		75	61	66	62	8	17	29.52	29.70	16	OVC	300	10.00		74	53	62	48	5	16	29.85	30.04				
19	BKN	200	10.00		61	58	59	90	8	05	29.57	29.76	19	OVC	160	10.00		67	57	61	71	7	03	29.89	30.09				
22	BKN	200	10.00		60	59	59	96	6	34	29.56	29.76	22	OVC	180	10.00		62	56	59	80	5	01	29.91	30.10				
SUNRISE: 0511					MAY 04					SUNSET: 1901					SUNRISE: 0505					MAY 10					SUNSET: 1906				
01	OVC	004	5.00	BR	60	59	59	96	11	35	29.54	29.73	01	OVC	180	10.00		60	54	57	80	5	05	29.91	30.10				
04	OVC	005	10.00	-RA	59	58	58	96	8	02	29.52	29.71	04	OVC	120	10.00	-RA	59	54	56	83	7	01	29.95	30.14				
07	OVC	009	10.00		56	55	55	97	7	06	29.53	29.72	07	OVC	110	10.00	-RA	58	54	56	87	7	07	30.03	30.22				
10	OVC	016	7.00	-RA	58	56	57	93	7	04	29.52	29.70	10	OVC	095	10.00		62	56	59	80	3	VR	30.05	30.24				
13	BKN	018	10.00		65	56	60	73	6	12	29.47	29.67	13	OVC	014	10.00		64	58	61	81	6	12	30.03	30.22				
16	OVC	075	6.00	-RA BR	57	56	56	96	3	05	29.44	29.62	16	OVC	017	10.00		66	59	62	78	7	08	30.00	30.20				
19	BKN	095	10.00		58	56	57	93	5	07	29.45	29.65	19	BKN	300	10.00		64	59	61	84	7	07	29.99	30.18				
22	OVC	007	10.00		55	53	54	93	9	08	29.49	29.68	22	OVC	080	10.00	-RA	60	58	59	93	7	08	29.99	30.18				
SUNRISE: 0510					MAY 05					SUNSET: 1902					SUNRISE: 0504					MAY 11					SUNSET: 1907				
01	OVC	014	6.00	-DZ BR	54	53	53	97	9	04	29.47	29.66	01	OVC	012	8.00		58	56	57	93	5	06	29.97	30.16				
04	OVC	011	7.00		53	52	52	96	7	01	29.42	29.61	04	OVC	003	1.50	BR	57	56	56	96	3	06	29.97	30.16				
07	OVC	005	6.00	-DZ BR	52	50	51	93	11	03	29.44	29.63	07	OVC	002	0.25	-DZ FG	58	58	58	100	3	08	29.99	30.18				
10	OVC	007	5.00	BR	52	50	51	93	11	04	29.45	29.64	10	OVC	002	0.75	BR	60	60	60	100	3	10	29.98	30.17				
13	OVC	015	10.00		54	51	52	90	14	01	29.41	29.61	13	OVC	008	2.00	-RA BR	63	61	62	93	0	00	29.98	30.17				
16	OVC	065	4.00	RA BR	51	49	50	92	13	01	29.42	29.61	16	OVC	010	6.00	BR	65	61	63	87	6	02	29.94	30.13				
19	OVC	017	3.00	-RA BR	51	49	50	92	5	02	29.47	29.66	19	OVC	009	4.00	BR	61	60	60	97	7	05	29.94	30.13				
22	OVC	030	4.00	RA BR	50	49	49	96	7	01	29.48	29.67	22	OVC	006	10.00		61	59	60	93	5	01	29.96	30.16				
SUNRISE: 0509					MAY 06					SUNSET: 1903					SUNRISE: 0503					MAY 12					SUNSET: 1908				
01	OVC	046	9.00	-RA	50	50	50	100	5	02	29.47	29.66	01	OVC	003	7.00	-RA	60	59	59	96	3	01	29.94	30.14				
04	OVC	015	2.50	+RA BR	51	50	50	96	3	25	29.47	29.65	04	OVC	002	0.25	FG	58	58	58	100	5	03	29.93	30.13				
07	OVC	050	3.00	RA BR	51	50	50	96	0	00	29.49	29.68	07	OVC	006	4.00	BR	59	58	58	96	3	04	29.96	30.16				
10	OVC	015	3.00	RA BR	51	50	50	96	0	00	29.52	29.70	10	OVC	006	5.00	BR	62	59	60	90	0	00	29.95	30.15				
13	OVC	041	10.00		56	49	52	77	9	34	29.50	29.69	13	OVC	012	10.00		65	60	62	84	0	00	29.93	30.12				
16	OVC	070	8.00	-RA	56	52	54	87	13	32	29.53	29.72	16	OVC	025	10.00		68	62	64	81	6	12	29.86	30.05				
19	SCT	150	10.00		52	47	49	83	8	28	29.56	29.75	19	OVC	027	5.00	BR	66	62	64	87	9	13	29.84	30.03				
22	OVC	095	10.00		52	50	51	93	7	24	29.59	29.78	22	OVC	012	6.00	BR	64	62	63	93	5	11	29.85	30.04				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
MAY 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: 0502					MAY 13					SUNSET: 1909					SUNRISE: 0457					MAY 19					SUNSET: 1914				
01	OVC	009	6.00	BR	62	61	61	96	7	12	29.76	29.96	01	OVC	130	10.00		57	53	55	87	8	34	29.90	30.09				
04	OVC	002	0.75	BR	62	62	62	100	7	16	29.72	29.91	04	OVC	110	10.00		55	50	52	83	6	01	29.89	30.08				
07	OVC	003	1.00	BR	64	64	64	100	8	17	29.72	29.91	07	OVC	110	10.00		57	51	54	81	7	01	29.93	30.12				
10	OVC	200	10.00		70	63	66	79	9	24	29.70	29.89	10	OVC	110	10.00		62	49	55	62	8	02	29.97	30.16				
13	OVC	100	4.00	-RA BR	69	66	67	90	8	23	29.69	29.88	13	OVC	065	10.00		67	50	58	55	7	35	29.96	30.15				
16	BKN	250	10.00		74	64	68	71	9	25	29.65	29.84	16	OVC	060	10.00		68	50	58	53	7	01	29.93	30.12				
19	SCT	250	10.00		65	61	63	87	5	11	29.68	29.87	19	SCT	250	10.00		61	54	57	78	6	20	29.97	30.16				
22	SCT	075	7.00		62	61	61	96	3	14	29.71	29.90	22	CLR	NC	10.00		54	52	53	93	6	23	30.02	30.21				
SUNRISE: 0501					MAY 14					SUNSET: 1910					SUNRISE: 0457					MAY 20					SUNSET: 1915				
01	FEW	080	4.00	BR	58	58	58	100	3	34	29.70	29.89	01	FEW	300	10.00		53	51	52	93	3	24	30.01	30.21				
04	FEW	043	3.00	BR	55	54	54	96	0	00	29.68	29.87	04	FEW	300	10.00		50	49	49	96	0	00	30.01	30.20				
07	SCT	300	10.00		61	59	60	93	0	00	29.68	29.87	07	BKN	300	10.00		58	54	56	87	5	01	30.07	30.26				
10	SCT	300	10.00		71	51	60	49	7	18	29.64	29.83	10	SCT	300	10.00		71	50	59	47	6	12	30.09	30.28				
13	FEW	180	10.00		78	49	61	36	20	22	29.55	29.74	13	OVC	300	10.00		73	46	58	38	3	VR	30.05	30.24				
16	OVC	070	10.00	-RA	63	56	59	78	15	31	29.57	29.76	16	BKN	250	10.00		71	49	59	46	14	14	30.01	30.20				
19	FEW	090	10.00		62	58	60	86	7	21	29.54	29.73	19	OVC	230	10.00		65	47	55	52	10	13	30.00	30.19				
22	CLR	NC	10.00		58	46	52	65	9	33	29.64	29.83	22	OVC	170	10.00		61	49	55	65	7	11	29.99	30.18				
SUNRISE: 0501					MAY 15					SUNSET: 1911					SUNRISE: 0456					MAY 21					SUNSET: 1916				
01	FEW	050	10.00		52	37	45	57	8	31	29.70	29.89	01	OVC	100	10.00	-RA	60	50	55	70	7	10	29.92	30.11				
04	CLR	NC	10.00		49	36	43	61	6	30	29.76	29.95	04	OVC	060	5.00	-RA BR	57	55	56	93	9	08	29.81	30.00				
07	CLR	NC	10.00		52	37	45	57	7	32	29.82	30.02	07	OVC	024	0.75	+RA BR	57	57	57	100	17	34	29.80	29.99				
10	FEW	045	10.00		59	34	47	39	18	32	29.82	30.01	10	OVC	031	10.00		59	57	58	93	11	04	29.77	29.96				
13	SCT	060	10.00		61	35	49	38	14	29	29.80	29.99	13	OVC	008	10.00		61	58	59	90	8	36	29.73	29.92				
16	SCT	085	10.00		62	31	48	31	10	27	29.78	29.98	16	OVC	012	2.00	-DZ BR	60	58	59	93	11	34	29.68	29.88				
19	SCT	090	10.00		61	30	47	31	10	28	29.82	30.01	19	OVC	014	10.00		58	56	57	93	10	34	29.68	29.87				
22	CLR	NC	10.00		53	32	44	45	7	33	29.93	30.12	22	OVC	007	10.00		56	54	55	93	9	34	29.69	29.88				
SUNRISE: 0460					MAY 16					SUNSET: 1911					SUNRISE: 0455					MAY 22					SUNSET: 1916				
01	CLR	NC	10.00		44	36	41	73	0	00	29.95	30.15	01	OVC	007	10.00		55	53	54	93	7	35	29.67	29.86				
04	SCT	230	10.00		41	37	39	86	3	15	29.98	30.17	04	OVC	007	10.00		54	53	53	97	7	36	29.64	29.83				
07	BKN	200	10.00		53	38	46	57	3	25	30.05	30.24	07	OVC	007	10.00		55	53	54	93	8	34	29.68	29.87				
10	SCT	200	10.00		61	35	49	38	9	31	30.08	30.27	10	OVC	014	10.00		56	54	55	93	9	34	29.69	29.88				
13	SCT	250	10.00		65	35	51	33	3	26	30.05	30.24	13	OVC	029	10.00		60	54	57	80	9	01	29.68	29.88				
16	SCT	250	10.00		68	35	52	30	6	VR	30.01	30.20	16	OVC	045	10.00	-RA	57	53	55	87	10	36	29.67	29.86				
19	OVC	250	10.00		65	34	50	32	5	25	30.01	30.21	19	OVC	030	7.00		55	51	53	87	7	33	29.70	29.89				
22	SCT	140	10.00		56	45	50	67	0	00	30.05	30.24	22	OVC	017	1.50	-DZ BR	53	52	52	96	6	31	29.71	29.91				
SUNRISE: 0459					MAY 17					SUNSET: 1912					SUNRISE: 0455					MAY 23					SUNSET: 1917				
01	OVC	110	10.00		56	47	51	72	3	13	30.03	30.22	01	OVC	005	2.00	-RA BR	53	53	53	100	7	34	29.68	29.87				
04	OVC	110	10.00		57	49	53	74	0	00	30.01	30.20	04	OVC	007	8.00		55	54	54	96	10	01	29.68	29.87				
07	OVC	090	10.00	-RA	57	52	54	83	3	17	30.04	30.23	07	OVC	048	2.50	RA BR	54	53	53	97	16	01	29.75	29.95				
10	OVC	019	1.00	+RA BR	56	55	55	97	6	04	30.03	30.22	10	OVC	080	5.00	-RA BR	56	53	54	90	13	36	29.77	29.97				
13	OVC	006	7.00	-RA	58	56	57	93	0	00	30.00	30.19	13	OVC	080	10.00	-RA	62	56	59	80	7	31	29.78	29.97				
16	OVC	013	6.00	-RA BR	58	56	57	93	7	01	29.95	30.15	16	BKN	110	10.00		68	51	58	55	8	32	29.74	29.93				
19	OVC	005	3.00	-RA BR	54	54	54	100	10	36	29.97	30.16	19	OVC	250	10.00		65	54	59	68	7	28	29.76	29.96				
22	OVC	010	7.00		54	53	53	97	5	02	29.98	30.17	22	OVC	250	10.00		60	56	58	86	3	31	29.79	29.98				
SUNRISE: 0458					MAY 18					SUNSET: 1913					SUNRISE: 0454					MAY 24					SUNSET: 1918				
01	OVC	013	4.00	BR	53	52	52	96	5	02	29.93	30.12	01	BKN	300	10.00		57	54	55	90	0	00	29.79	29.98				
04	OVC	006	4.00	BR	53	52	52	96	6	03	29.91	30.10	04	BKN	300	8.00		52	51	51	97	5	36	29.80	29.99				
07	OVC	007	4.00	BR	54	52	53	93	7	02	29.93	30.13	07	BKN	250	10.00		58	55	56	90	7	25	29.83	30.03				
10	OVC	016	10.00		57	52	54	83	10	04	29.92	30.11	10	FEW	200	10.00		74	55	63	52	8	26	29.86	30.05				
13	OVC	027	10.00		62	53	57	73	6	06	29.90	30.09	13	FEW	045	10.00		80	52	63	38	9	35	29.85	30.04				
16	BKN	200	10.00		63	53	57	70	8	06	29.85	30.05	16	SCT	080	10.00		82	53	65	37	9	32	29.83	30.02				
19	BKN	030	10.00		62	54	58	75	5	05	29.86	30.05	19	SCT	085	10.00		76	56	64	50	7	22	29.85	30.04				
22	OVC	055	10.00	-RA	59	54	56	83	7	36	29.90	30.09	22	FEW	085	10.00		65	57	60	76	5	20	29.90	30.09				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
MAY 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: 0453 MAY 25 SUNSET: 1919					01	FEW	110	10.00		63	56	59	78	3	23	29.91	30.10
04	FEW	250	10.00		62	55	58	78	6	25	29.94	30.13					
07	SCT	250	10.00		69	56	61	63	0	00	29.99	30.18					
10	BKN	300	10.00		82	54	65	38	3	04	30.00	30.19					
13	BKN	300	10.00		85	53	66	33	13	25	29.98	30.17					
16	BKN	250	10.00		86	53	66	32	10	25	29.96	30.14					
19	BKN	250	10.00		78	57	65	48	6	23	29.94	30.13					
22	FEW	250	10.00		67	59	62	76	0	00	29.95	30.14					
SUNRISE: 0453 MAY 26 SUNSET: 1920					01	FEW	250	10.00		62	58	60	86	0	00	29.95	30.14
04	CLR	NC	9.00		62	58	60	86	0	00	29.95	30.14					
07	BKN	250	7.00		66	61	63	84	6	18	29.97	30.16					
10	BKN	300	9.00		80	65	70	60	9	19	29.94	30.13					
13	SCT	300	10.00		87	60	70	40	11	20	29.91	30.10					
16	SCT	250	10.00		88	59	70	38	13	19	29.87	30.06					
19	FEW	075	10.00		79	63	69	58	7	20	29.86	30.05					
22	FEW	060	10.00		73	64	67	74	7	17	29.89	30.08					
SUNRISE: 0452 MAY 27 SUNSET: 1920					01	FEW	300	10.00		71	65	67	81	9	19	29.90	30.09
04	FEW	300	10.00		68	64	66	87	8	20	29.93	30.11					
07	SCT	300	10.00		71	62	65	73	9	22	29.93	30.12					
10	FEW	300	10.00		79	65	70	62	8	23	29.94	30.12					
13	SCT	300	10.00		85	66	72	53	9	17	29.90	30.09					
16	SCT	250	10.00		86	64	72	48	14	20	29.88	30.07					
19	SCT	250	10.00		80	66	71	62	7	17	29.89	30.08					
22	FEW	250	10.00		74	62	67	67	9	17	29.94	30.13					
SUNRISE: 0452 MAY 28 SUNSET: 1921					01	FEW	300	10.00		67	59	62	76	7	19	29.95	30.14
04	FEW	300	10.00		65	60	62	84	3	17	29.96	30.15					
07	FEW	300	10.00		69	62	65	78	7	21	29.99	30.18					
10	FEW	300	10.00		79	63	69	58	5	22	30.01	30.20					
13	SCT	300	10.00		83	62	70	49	9	18	30.00	30.19					
16	BKN	250	10.00		84	60	69	44	13	15	29.95	30.14					
19	BKN	250	10.00		78	60	67	54	5	12	29.94	30.13					
22	BKN	250	10.00		69	64	66	84	7	12	29.97	30.16					
SUNRISE: 0451 MAY 29 SUNSET: 1922					01	SCT	300	10.00		67	62	64	84	0	00	29.97	30.16
04	SCT	300	10.00		65	62	63	90	3	14	29.95	30.14					
07	BKN	300	10.00		69	66	67	90	0	00	29.96	30.15					
10	BKN	300	10.00		78	68	71	71	3	11	29.95	30.14					
13	OVC	060	10.00		79	69	72	72	7	15	29.91	30.10					
16	OVC	110	2.50	RA BR	72	71	71	97	6	01	29.88	30.06					
19	OVC	016	2.00	RA BR	70	69	69	97	3	36	29.87	30.06					
22	OVC	009	10.00		69	68	68	96	7	35	29.87	30.06					
SUNRISE: 0451 MAY 30 SUNSET: 1923					01	OVC	024	10.00		68	67	67	96	5	36	29.85	30.04
04	VV	002	0.50	FG	67	67	67	100	0	00	29.82	30.01					
07	OVC	004	2.00	BR	68	67	67	96	3	33	29.84	30.03					
10	OVC	030	5.00	-RA BR	73	70	71	90	6	34	29.83	30.02					
13	OVC	050	7.00		77	70	72	79	3	35	29.80	29.99					
16	OVC	032	3.00	-RA BR	71	70	70	96	7	11	29.79	29.98					
19	OVC	250	10.00		70	69	69	97	6	12	29.78	29.97					
22	BKN	250	10.00		68	67	67	96	0	00	29.80	29.99					

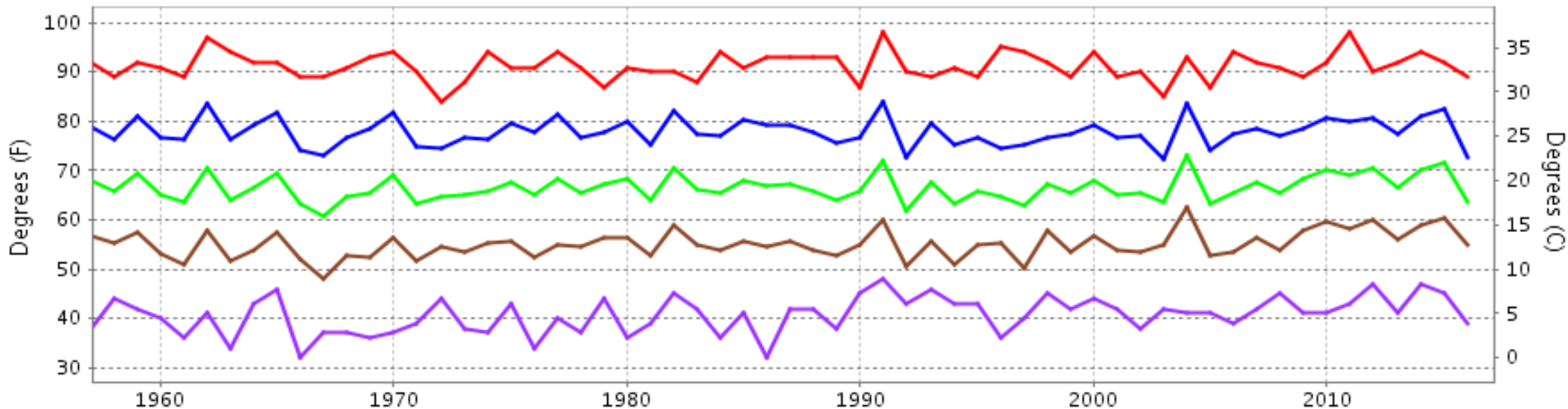
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0450 MAY 31 SUNSET: 1923					01	BKN	070	10.00	BCFG	66	66	66	100	0	00	29.77	29.96
04	BKN	038	6.00	BR	65	65	65	100	0	00	29.76	29.95					
07	OVC	210	8.00		67	66	66	97	0	00	29.80	29.99					
10	BKN	180	10.00		75	67	70	76	3	12	29.81	30.00					
13	BKN	180	10.00		80	66	71	62	7	VR	29.80	29.98					
16	SCT	200	10.00		83	69	74	63	9	08	29.76	29.95					
19	SCT	200	10.00		78	68	71	71	7	10	29.77	29.96					
22	FEW	200	10.00		71	67	68	87	6	13	29.82	30.01					

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	58	55	56	88	29.81	30.00	8.22	5	1	02
02	58	55	56	90	29.80	29.99	7.83	4	1	02
03	57	54	56	91	29.80	29.99	7.55	4	1	35
04	57	54	55	92	29.80	29.99	7.27	4	1	02
05	56	54	55	93	29.80	29.99	6.82	5	1	03
06	57	55	56	92	29.82	30.01	7.02	4	1	02
07	60	56	57	88	29.83	30.02	7.45	6	1	33
08	62	55	58	81	29.83	30.02	7.68	7	1	31
09	64	56	59	77	29.83	30.02	8.05	7	1	31
10	66	56	60	72	29.83	30.02	8.31	7	1	31
11	67	56	60	70	29.83	30.02	8.30	8	1	33
12	69	56	61	67	29.82	30.01	8.90	7	1	32
13	70	56	61	65	29.81	30.00	9.35	7	2	30
14	70	56	62	64	29.80	29.99	8.94	8	2	30
15	70	55	62	64	29.78	29.97	8.60	8	1	32
16	70	56	62	65	29.77	29.97	8.50	9	1	34
17	69	55	61	66	29.77	29.97	8.66	9	2	30
18	68	56	61	70	29.78	29.97	9.15	8	1	03
19	65	56	60	75	29.79	29.98	8.71	7	1	05
20	63	57	59	81	29.80	29.99	9.05	6	2	07
21	62	56	59	83	29.81	30.00	8.97	6	2	06
22	61	56	58	85	29.82	30.01	8.74	6	1	04
23	60	56	58	86	29.81	30.00	8.41	5	1	02
24	59	55	57	87	29.81	30.00	8.40	5	1	04

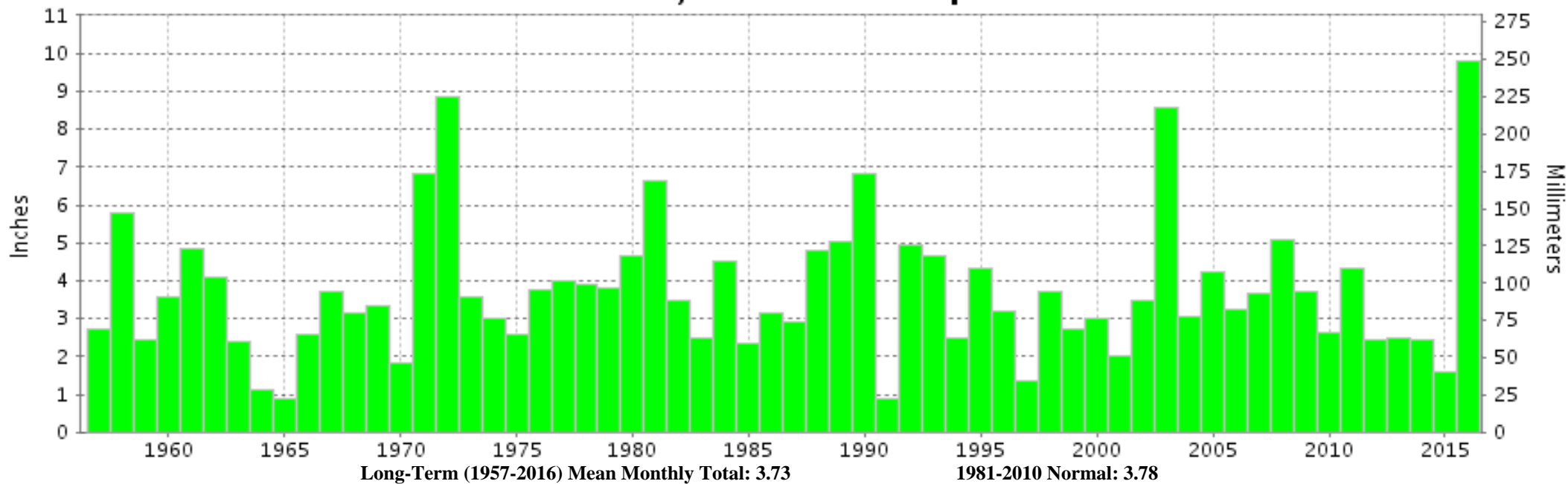
RICHMOND, VA MAY Temperatures



— Extreme Max
 — Mean Max
 — Mean
 — Mean Min
 — Extreme Min

Long-Term (1957-2016) Mean: 66.5
1981-2010 Normal: 66.4

RICHMOND, VA MAY Precipitation



Long-Term (1957-2016) Mean Monthly Total: 3.73

1981-2010 Normal: 3.78



MAY 2016
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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We welcome your questions or comments, please contact us at:
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