



MAY 2007 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

RICHMOND, VA
RICHMOND INTERNATIONAL AIRPORT (KRIC)
 Lat:37° 30'N Long: 77° 19'W Elev (Ground) 163 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					
																			5-SEC		2-MIN			
01	85	58	72	11	51	61	0	7			0.0	0.00	29.77	29.94	4.9	17	7.0	21	23	16	16	01		
02	92*	63	78	17	57	64	0	13	TS TSRA RA BR		0.0	0.66	29.70	29.90	2.3	26	8.2	36	05	28	05	02		
03	62	56	59	-2	52	55	6	0	RA BR		0.0	0.06	29.98	30.19	4.9	06	5.5	21	05	15	05	03		
04	71	55	63	2	46	53	2	0			0.0	0.00	30.01	30.21	2.8	10	5.9	17	09	14	09	04		
05	62	54	58	-3	51	53	7	0	RA DZ BR		0.0	0.54	29.96	30.15	1.7	06	2.5	12	04	9	04	05		
06	63	45	54*	-8	37	47	11	0	RA BR		0.0	T	30.08	30.29	13.2	04	14.2	37	03	29	04	06		
07	67	42*	55	-8	36	45	10	0			0.0	0.00	30.17	30.35	10.9	04	11.5	32	05	24	04	07		
08	70	43	57	-6	50	54	8	0	DZ BR		0.0	T	30.03	30.21	6.9	05	7.4	16	07	13	06	08		
09	79	61	70	7	63	65	0	5	TSRA RA DZ FG+ FG BR		0.0	0.03	29.91	30.09	3.1	11	4.8	15	13	13	12	09		
10	83	66	75	11	64	67	0	10	DZ BR HZ		0.0	T	29.79	29.98	3.9	17	4.6	18	16	13	19	10		
11	86	64	75	11	63	67	0	10	BR		0.0	0.00	29.72	29.91	0.9	19	2.8	14	31	10	31	11		
12	84	64	74	10	62	66	0	9	RA BR		0.0	T	29.75	29.94	1.8	01	4.6	21	04	17	05	12		
13	71	49	60	-4	50	56	5	0	TSRA RA BR		0.0	0.92	29.90	30.12	8.8	04	9.3	28	03	23	02	13		
14	74	47	61	-4	42	52	4	0			0.0	0.00	30.09	30.29	3.2	20	4.4	15	21	13	21	14		
15	83	56	70	5	53	60	0	5			0.0	0.00	29.95	30.10	13.3	23	13.6	26	22	21	24	15		
16	86	63	75	10	58	64	0	10	TS TSRA RA BR HZ		0.0	0.21	29.73	29.89	12.0	23	12.6	36	32	28	33	16		
17	71	58	65	0	54	59	0	0	BR		0.0	0.00	29.82	30.03	6.0	04	6.5	21	02	16	02	17		
18	61	53	57	-9	51	53	8	0	RA BR		0.0	0.42	29.89	30.09	5.9	01	7.6	17	36	14	34	18		
19	73	51	62	-4	42	52	3	0			0.0	0.00	29.91	30.09	7.9	32	9.6	28	35	21	34	19		
20	82	52	67	1	46	57	0	2			0.0	0.00	29.80	29.98	8.7	27	9.5	26	26	21	26	20		
21	79	57	68	1	53	60	0	3			0.0	0.00	29.90	30.11	3.4	06	5.2	18	03	15	05	21		
22	77	56	67	0	50	57	0	2			0.0	0.00	30.11	30.31	6.0	15	6.4	18	16	15	14	22		
23	79	52	66	-2	50	57	0	1			0.0	0.00	30.22	30.42	5.1	15	5.7	32	34	15	15	23		
24	80	53	67	-2	50	57	0	2			0.0	0.00	30.25	30.43	3.4	17	3.6	23	04	13	14	24		
25	86	57	72	3	56	62	0	7			0.0	0.00	30.10	30.28	5.6	22	6.0	26	21	14	21	25		
26	89	62	76	7	62	67	0	11	TS TSRA RA GS FG BR		T	0.80	29.99	30.17	3.6	22	5.3	41*	24	35*	22	26		
27	89	64	77	8	62	67	0	12			0.0	0.00	29.96	30.16	6.6	22	7.0	22	25	16	23	27		
28	89	66	78*	9	62	67	0	13	TS TSRA RA		0.0	0.05	29.98	30.17	5.5	24	8.2	30	33	23	32	28		
29	85	63	74	4	60	65	0	9			0.0	0.00	30.01	30.21	2.7	08	5.1	18	05	13	04	29		
30	85	59	72	2	56	62	0	7			0.0	0.00	30.02	30.21	3.7	17	4.1	22	32	10	17	30		
31	88	61	75	5	57	64	0	10			0.0	0.00	29.96	30.15	5.0	19	6.0	17	15	13	16	31		
78.4		56.5	67.5	☼	53.1	59.2	2.1	4.8	< MONTHLY AVERAGES TOTALS >		T	3.69	29.95	30.14	0.5	16	6.9	< MONTHLY AVERAGES						
2.2	1.9	2.1	-----DEPARTURE FROM NORMAL ----->		-0.27		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																	
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 0.92 DATE : 13				SEA LEVEL PRESSURE				DATE TIME								
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : T DATE : 26				MAXIMUM : 30.52				24 0754								
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : DATE :				MINIMUM : 29.77				16 1618								
HEATING :		64 -16		3307 -604		NUMBER OF ->		MAXIMUM TEMP >= 90 : 1		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 9												
COOLING :		148 -41		200 51		DAYS WITH		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 6												
								THUNDERSTORMS : 6		HEAVY FOG : 1		SNOWFALL >= 1.0 INCH : 0												

MAY 2007
RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
MAY 2007

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				0.61	0.05	T	T				T	02	0.66	0.66	
03	0.01	T		T					T	T	T	T	03			T	0.02	0.02	T	0.01	T		T	03	0.06	0.06		
04													04											T	04	0.00	0.00	
05											T	0.08	05	0.05	0.03	0.01	T	0.02		0.01	0.14	0.05	0.04	0.06	0.05	05	0.54	0.54
06	T	T											06												06	T	T	
07													07												07	0.00	0.00	
08													08												08	T	T	
09				T						T	T		09			0.02	0.01								09	0.03	0.03	
10													10												10	T	T	
11													11												11	0.00	0.00	
12													12			T									12	T	T	
13		0.57	0.35										13												13	0.92	0.92	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16						0.05	0.15	T	0.01			16	0.21	0.21	
17													17												17	0.00	0.00	
18					T	0.11	0.11	0.13	0.05	0.02	T	T	18								T	T			18	0.42	0.42	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
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			0.02	0.78								26	0.80	0.80	
27													27												27	0.00	0.00	
28													28							T	0.04	0.01	T		28	0.05	0.05	
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)	0.30	0.43	0.49	0.54	0.58	0.64	0.84	0.92	0.92	0.92	0.92	0.92
Ending Date	13	13	13	13	02	02	13	13	13	13	13	13
Ending Time (Hr/Min)	0122	0127	0132	0130	1654	1703	0216	0228	0228	0228	0228	0228

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.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

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	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

RICHMOND, VA MAY 2007

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).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. 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.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

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	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							10.00	10.00	
02							1.25	10.00	
03							6.00	10.00	
04							10.00	10.00	
05							1.25	10.00	
06							6.00	10.00	
07							10.00	10.00	
08							6.00	10.00	
09							0.25	10.00	
10							1.50	10.00	
11							5.00	10.00	
12							4.00	10.00	
13							3.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							5.00	10.00	
17							1.00	10.00	
18							2.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							6.00	10.00	
27							8.00	10.00	
28							7.00	10.00	
29							9.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.85	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 26382				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
1			7				17		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

MAY 2007

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)													
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL								
																												WEATHER	WEATHER						
SUNRISE: 0515						MAY 01						SUNSET: 1859						SUNRISE: 0508						MAY 07						SUNSET: 1904					
01	BKN	130			10.00		68	55	60	63	0	00	29.77	29.96	01	CLR	NC			10.00		45	38	42	77	7	07	30.20	30.39						
04	CLR	NC			10.00		65	50	57	59	5	05	29.79	29.98	04	CLR	NC			10.00		42	38	40	86	10	02	30.18	30.38						
07	FEW	250			10.00		67	49	57	53	5	07	29.84	30.03	07	FEW	250			10.00		47	40	44	77	15	03	30.21	30.40						
10	SCT	250			10.00		76	47	60	36	9	15	29.84	30.03	10	FEW	250			10.00		60	33	48	36	24	04	30.21	30.40						
13	FEW	250			10.00		82	50	63	33	9	19	29.80	29.99	13	BKN	250			10.00		64	34	50	33	15	03	30.17	30.36						
16	FEW	250			10.00		85	53	66	33	11	18	29.71	29.89	16	SCT	250			10.00		66	33	50	29	15	07	30.10	30.29						
19	BKN	250			10.00		75	52	62	45	7	17	29.66	29.85	19	SCT	250			10.00		58	33	47	39	6	09	30.12	30.31						
22	BKN	250			10.00		68	56	61	66	5	19	29.66	29.85	22	FEW	250			10.00		47	36	42	66	8	03	30.13	30.32						
SUNRISE: 0513						MAY 02						SUNRISE: 1860						SUNRISE: 0507						MAY 08						SUNSET: 1904					
01	OVC	200			10.00		78	51	62	39	15	24	29.65	29.83	01	CLR	NC			10.00		45	37	41	74	6	04	30.09	30.28						
04	BKN	250			10.00		74	52	61	46	5	30	29.67	29.86	04	FEW	250			10.00		45	37	41	74	9	04	30.05	30.25						
07	BKN	250			10.00		73	55	62	53	7	25	29.70	29.88	07	OVC	038			10.00		48	40	44	74	10	03	30.06	30.25						
10	BKN	250			10.00		83	57	67	41	10	24	29.70	29.89	10	OVC	019		6.00	BR		59	48	53	67	9	04	30.07	30.27						
13	BKN	250			10.00		90	56	69	32	6	30	29.68	29.86	13	BKN	250			10.00		69	55	61	61	9	08	30.02	30.21						
16	OVC	250			10.00		77	60	66	56	16	05	29.65	29.84	16	OVC	031			10.00		69	57	62	66	7	08	29.97	30.16						
19	OVC	150			7.00		67	63	65	87	3	36	29.79	29.98	19	SCT	250			10.00		65	58	61	78	5	06	29.96	30.15						
22	OVC	012			5.00	BR	65	62	63	90	6	10	29.82	30.01	22	SCT	250			10.00		60	57	58	90	0	00	29.97	30.16						
SUNRISE: 0512						MAY 03						SUNRISE: 1901						SUNRISE: 0506						MAY 09						SUNSET: 1905					
01	OVC	055			6.00	-RA BR	61	58	59	90	8	07	29.87	30.06	01	OVC	001		0.25	FG		61	59	60	93	0	00	29.94	30.12						
04	OVC	050			10.00		58	54	56	87	5	05	29.93	30.12	04	VV	001		0.25	FG		61	59	60	93	6	03	29.91	30.10						
07	OVC	055			8.00		58	54	56	87	9	03	29.98	30.18	07	OVC	002		0.25	FG		62	61	61	97	5	05	29.96	30.15						
10	OVC	050			10.00	-RA	59	50	54	72	11	07	30.03	30.22	10	OVC	022			10.00		70	64	66	81	0	00	29.95	30.14						
13	OVC	050			10.00		59	49	54	70	6	07	30.03	30.22	13	BKN	038			10.00		77	65	69	67	6	11	29.89	30.09						
16	OVC	050			10.00		59	49	54	70	5	06	30.02	30.21	16	BKN	200			10.00		72	68	69	87	3	08	29.86	30.05						
19	OVC	050			10.00		58	51	54	78	0	00	30.02	30.21	19	SCT	075			10.00		71	64	67	79	7	14	29.85	30.04						
22	OVC	045			10.00		57	51	54	80	0	00	30.04	30.23	22	BKN	006		8.00			68	65	66	90	7	14	29.85	30.04						
SUNRISE: 0511						MAY 04						SUNRISE: 1901						SUNRISE: 0505						MAY 10						SUNSET: 1906					
01	OVC	043			10.00		56	51	53	83	6	34	30.02	30.22	01	OVC	003		5.00	BR		67	65	66	93	0	00	29.82	30.01						
04	OVC	075			10.00		55	51	53	86	3	04	30.00	30.19	04	OVC	005		5.00	BR		67	64	65	90	3	10	29.82	30.01						
07	OVC	055			10.00		56	50	53	80	6	03	30.04	30.23	07	OVC	005		2.50	BR		67	63	65	87	0	00	29.84	30.03						
10	BKN	055			10.00		61	48	54	63	7	06	30.06	30.25	10	BKN	250			10.00		74	64	68	71	0	00	29.83	30.02						
13	OVC	250			10.00		68	42	55	39	10	13	30.02	30.22	13	BKN	250			10.00		80	63	69	56	8	22	29.79	29.98						
16	BKN	090			10.00		69	39	54	34	6	17	29.98	30.17	16	SCT	250			10.00		82	61	69	49	10	21	29.74	29.93						
19	BKN	070			10.00		65	39	52	39	6	16	29.98	30.18	19	SCT	250			10.00		76	63	68	64	8	16	29.72	29.91						
22	BKN	065			10.00		59	46	52	62	3	15	30.00	30.19	22	SCT	250			10.00		69	64	66	84	6	17	29.75	29.94						
SUNRISE: 0510						MAY 05						SUNRISE: 1902						SUNRISE: 0504						MAY 11						SUNSET: 1907					
01	OVC	200			10.00		58	48	53	70	0	00	30.01	30.20	01	CLR	NC			10.00		66	63	64	90	0	00	29.74	29.93						
04	OVC	080			10.00		57	49	53	75	0	00	29.98	30.17	04	BKN	140		5.00	BR		65	63	64	93	0	00	29.73	29.91						
07	OVC	050			10.00		58	49	53	72	0	00	29.97	30.16	07	BKN	250			10.00		68	64	66	87	6	22	29.74	29.93						
10	OVC	035			10.00		61	47	54	60	0	00	30.00	30.19	10	OVC	250			10.00		77	64	69	64	3	23	29.74	29.93						
13	OVC	019			1.25	-RA BR	56	53	54	90	3	03	29.96	30.16	13	OVC	250			10.00		85	61	70	45	0	00	29.70	29.89						
16	OVC	012			2.00	-RA BR	56	53	54	90	5	05	29.93	30.12	16	OVC	250			10.00		85	60	69	43	0	00	29.68	29.87						
19	OVC	020			2.00	-RA BR	56	53	54	90	3	02	29.91	30.10	19	OVC	250			10.00		78	64	69	62	5	13	29.69	29.88						
22	OVC	040			5.00	RA BR	55	53	54	93	0	00	29.92	30.11	22	BKN	250			10.00		71	66	68	84	0	00	29.73	29.92						
SUNRISE: 0509						MAY 06						SUNRISE: 1903						SUNRISE: 0503						MAY 12						SUNSET: 1908					
01	OVC	100			6.00	-RA BR	54	52	53	93	7	02	29.91	30.10	01	BKN	250		5.00	BR		65	63	64	93	3	22	29.73	29.92						
04	SCT	100			9.00		53	48	50	83	15	02	29.95	30.14	04	OVC	250			10.00		70	63	66	79	14	30	29.75	29.93						
07	SCT	250			10.00		51	36	44	57	20	02	30.04	30.23	07	OVC	200			10.00		69	63	65	81	0	00	29.76	29.95						
10	CLR	NC			10.00		59	29	46	32	26	06	30.10	30.29	10	BKN	250			10.00		80	64	70	58	7	03	29.79	29.98						
13	FEW	060			10.00		62	28	47	28	22	04	30.14	30.33	13	BKN	250			10.00		84	62	70	48	5	11	29.76	29.94						
16	FEW	065			10.00		59	31	46	35	20	04	30.16	30.36	16	BKN	150			10.00		76	59	66	56	5	14	29.72	29.91						
19	SCT	070			10.00		55	37	47	51	10	07	30.21	30.40	19	BKN	250		8.00			72	62	66	71	3	31	29.74	29.92						
22	CLR	NC			10.00		48	39	44	71	5	06	30.21	30.41	22	BKN	250		6.00	BR		65	61	63	87	5	14	29.75	29.94						

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

MAY 2007

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)													
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL								
																												Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION
SUNRISE: 0502						MAY 13						SUNSET: 1909						SUNRISE: 0457						MAY 19						SUNSET: 1914					
01	OVC	085			4.00	BR	64	61	62	90	10	05	29.76	29.95	01	BKN	110			10.00			53	48	50	83	5	32	29.94	30.13					
04	OVC	095			5.00	BR	62	60	61	93	6	05	29.78	29.97	04	BKN	100			10.00			52	47	49	83	5	31	29.93	30.12					
07	OVC	040			8.00		62	58	60	87	11	03	29.87	30.06	07	SCT	120			10.00			56	47	51	72	9	34	29.95	30.14					
10	OVC	018			10.00		61	54	57	78	14	03	29.95	30.15	10	SCT	200			10.00			65	40	52	40	14	02	29.96	30.16					
13	FEW	040			10.00		69	45	56	42	16	02	29.97	30.16	13	SCT	070			10.00			69	37	53	31	11	33	29.91	30.10					
16	FEW	045			10.00		70	41	55	35	11	04	29.96	30.15	16	SCT	080			10.00			72	37	54	28	13	33	29.85	30.04					
19	CLR	NC			10.00		63	38	51	40	5	05	30.00	30.19	19	CLR	NC			10.00			68	39	53	35	8	25	29.83	30.03					
22	CLR	NC			10.00		55	44	50	67	0	00	30.05	30.24	22	CLR	NC			10.00			61	42	51	50	8	27	29.85	30.04					
SUNRISE: 0501						MAY 14						SUNSET: 1910						SUNRISE: 0457						MAY 20						SUNSET: 1915					
01	CLR	NC			10.00		49	43	46	80	0	00	30.07	30.26	01	CLR	NC			10.00			57	42	50	57	3	30	29.84	30.04					
04	CLR	NC			10.00		48	44	46	86	0	00	30.07	30.26	04	SCT	070			10.00			54	43	49	67	7	26	29.83	30.02					
07	FEW	250			10.00		55	44	50	67	0	00	30.12	30.32	07	SCT	250			10.00			59	45	52	60	8	25	29.84	30.03					
10	FEW	250			10.00		67	40	53	37	0	00	30.15	30.35	10	BKN	250			10.00			74	46	59	37	8	29	29.82	30.01					
13	BKN	250			10.00		72	40	55	31	7	20	30.14	30.33	13	FEW	110			10.00			78	48	61	35	13	30	29.79	29.98					
16	SCT	250			10.00		73	39	55	29	6	19	30.08	30.27	16	FEW	090			10.00			82	48	62	31	15	26	29.74	29.93					
19	BKN	250			10.00		66	44	54	45	7	20	30.06	30.25	19	SCT	250			10.00			78	47	61	34	10	26	29.73	29.91					
22	BKN	220			10.00		63	42	52	46	8	20	30.07	30.26	22	FEW	250			10.00			72	49	59	44	5	28	29.78	29.97					
SUNRISE: 0501						MAY 15						SUNSET: 1911						SUNRISE: 0456						MAY 21						SUNSET: 1916					
01	SCT	120			10.00		60	43	51	54	13	20	30.06	30.25	01	FEW	250			10.00			64	50	56	61	0	00	29.80	29.99					
04	CLR	NC			10.00		58	48	53	70	11	22	30.03	30.22	04	FEW	070			10.00			58	50	54	75	5	24	29.82	30.01					
07	FEW	250			10.00		63	52	57	68	13	24	30.04	30.23	07	FEW	080			10.00			66	53	59	63	8	03	29.91	30.10					
10	FEW	250			10.00		74	51	61	45	16	25	29.98	30.16	10	CLR	NC			10.00			71	52	60	51	8	06	29.95	30.14					
13	CLR	NC			10.00		81	55	65	41	16	24	29.90	30.09	13	SCT	250			10.00			76	54	63	47	7	36	29.93	30.12					
16	CLR	NC			10.00		82	58	67	44	18	22	29.82	30.01	16	BKN	250			10.00			78	55	64	45	3	11	29.92	30.11					
19	CLR	NC			10.00		77	56	64	48	11	22	29.80	29.98	19	BKN	250			10.00			72	56	63	57	7	09	29.95	30.14					
22	CLR	NC			10.00		72	54	62	53	11	22	29.80	29.99	22	BKN	180			10.00			62	55	58	78	5	13	30.03	30.22					
SUNRISE: 0460						MAY 16						SUNSET: 1911						SUNRISE: 0455						MAY 22						SUNSET: 1916					
01	CLR	NC			10.00		69	52	59	55	10	23	29.80	29.99	01	BKN	085			10.00			61	54	57	78	3	14	30.05	30.24					
04	CLR	NC			10.00		65	54	59	68	13	22	29.76	29.95	04	BKN	065			10.00			60	54	57	81	3	15	30.07	30.27					
07	FEW	250			10.00		67	57	61	70	15	24	29.76	29.95	07	BKN	090			10.00			62	51	56	67	5	16	30.12	30.31					
10	SCT	250			10.00		76	59	66	56	14	23	29.71	29.90	10	FEW	250			10.00			71	50	59	48	9	18	30.13	30.32					
13	SCT	250			10.00		83	60	68	46	17	23	29.65	29.84	13	BKN	250			10.00			76	51	62	42	7	11	30.13	30.32					
16	BKN	250			7.00		83	57	67	41	24	23	29.58	29.77	16	SCT	250			10.00			75	51	61	43	13	14	30.11	30.29					
19	OVC	055			5.00	-TSRA BR	67	62	64	84	15	29	29.71	29.90	19	FEW	250			10.00			67	45	55	45	9	15	30.14	30.33					
22	OVC	110			8.00		65	62	63	90	6	22	29.73	29.92	22	SCT	250			10.00			58	47	52	67	5	13	30.16	30.35					
SUNRISE: 0459						MAY 17						SUNSET: 1912						SUNRISE: 0455						MAY 23						SUNSET: 1917					
01	OVC	037			10.00		64	61	62	90	0	00	29.74	29.93	01	FEW	250			10.00			56	49	52	78	0	00	30.19	30.38					
04	BKN	120			1.00	BR	62	60	61	93	3	03	29.77	29.96	04	FEW	250			10.00			54	50	52	86	0	00	30.19	30.38					
07	OVC	250			10.00		61	55	58	81	9	05	29.82	30.01	07	FEW	250			10.00			61	54	57	78	0	00	30.24	30.43					
10	BKN	250			10.00		66	51	58	59	13	03	29.86	30.05	10	SCT	250			10.00			71	54	61	55	5	22	30.27	30.46					
13	OVC	055			10.00		70	53	60	55	6	06	29.86	30.04	13	BKN	250			10.00			78	50	62	38	9	13	30.24	30.43					
16	OVC	043			10.00		67	50	58	55	8	02	29.85	30.04	16	SCT	250			10.00			78	48	61	35	11	14	30.21	30.40					
19	BKN	100			10.00		65	51	57	61	7	06	29.86	30.06	19	FEW	250			10.00			69	51	59	53	8	13	30.22	30.41					
22	BKN	100			10.00		59	53	56	81	3	02	29.89	30.08	22	CLR	NC			10.00			60	50	55	70	7	14	30.28	30.47					
SUNRISE: 0458						MAY 18						SUNSET: 1913						SUNRISE: 0454						MAY 24						SUNSET: 1918					
01	BKN	100			10.00		57	52	54	83	6	02	29.85	30.04	01	CLR	NC			10.00			56	49	52	78	3	15	30.27	30.46					
04	OVC	075			10.00		57	53	55	87	7	03	29.83	30.03	04	CLR	NC			10.00			55	49	52	80	0	00	30.28	30.47					
07	OVC	013			2.00	RA BR	56	53	54	90	9	36	29.88	30.07	07	CLR	NC			10.00			62	53	57	73	0	00	30.32	30.51					
10	OVC	031			2.00	-RA BR	55	52	53	90	8	08	29.91	30.11	10	CLR	NC			10.00			71	53	61	53	0	00	30.30	30.49					
13	OVC	028			10.00		58	52	55	81	7	07	29.91	30.10	13	CLR	NC			10.00			78	49	61	36	0	00	30.25	30.44					
16	OVC	044			10.00		59	49	54	70	9	04	29.89	30.09	16	CLR	NC			10.00			79	46	61	31	8	18	30.19	30.38					
19	OVC	055			10.00		55	50	52	83	9	34	29.93	30.12	19	CLR	NC			10.00			72	50	60	46	8	16	30.17	30.36					
22	OVC	100			10.00		53	48	50	83	8	33	29.96	30.15	22	CLR	NC			10.00			62	50	56	65	0	00	30.19	30.37					

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

MAY 2007

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0453 MAY 25 SUNSET: 1919														
01	CLR	NC				61	50	55	67	5	18	30.17	30.36	
04	CLR	NC				59	52	55	78	3	19	30.15	30.34	
07	CLR	NC				64	55	59	73	7	22	30.16	30.35	
10	CLR	NC				77	57	65	50	7	24	30.13	30.32	
13	SCT	250				83	57	67	41	11	23	30.07	30.26	
16	FEW	065				85	56	67	37	10	20	30.01	30.20	
19	FEW	075				76	60	66	58	7	21	30.01	30.20	
22	CLR	NC				71	59	64	66	3	23	30.03	30.22	
SUNRISE: 0453 MAY 26 SUNSET: 1920														
01	CLR	NC				67	58	62	73	6	22	30.01	30.20	
04	CLR	NC				63	57	60	81	6	21	30.00	30.19	
07	CLR	NC				68	59	63	73	6	24	30.03	30.22	
10	CLR	NC				78	61	67	56	3	25	30.02	30.21	
13	CLR	NC				87	63	71	45	7	19	29.98	30.17	
16	BKN	090			-TSRA	76	65	69	69	15	34	29.94	30.13	
19	BKN	250				76	66	70	71	6	11	29.95	30.14	
22	BKN	250				70	65	67	84	0	00	29.97	30.16	
SUNRISE: 0452 MAY 27 SUNSET: 1920														
01	BKN	250				70	64	66	81	0	00	29.96	30.14	
04	BKN	250				67	60	63	78	6	20	29.96	30.15	
07	BKN	250				69	61	64	76	6	22	30.00	30.19	
10	BKN	250				80	62	69	54	7	22	30.00	30.19	
13	BKN	250				87	62	71	43	13	26	29.97	30.16	
16	BKN	250				88	62	71	42	10	23	29.93	30.11	
19	OVC	250				80	65	70	60	6	20	29.94	30.13	
22	BKN	250				71	62	65	73	6	20	29.97	30.16	
SUNRISE: 0452 MAY 28 SUNSET: 1921														
01	BKN	250				70	59	63	68	9	22	29.97	30.16	
04	SCT	250				66	58	61	76	7	23	29.97	30.16	
07	BKN	250				72	60	65	66	9	25	30.01	30.20	
10	OVC	250				80	62	69	54	9	26	30.02	30.21	
13	OVC	250				86	62	70	45	5	20	29.98	30.17	
16	BKN	250				88	63	72	43	6	19	29.94	30.13	
19	OVC	250			-TSRA	73	64	67	74	11	07	29.97	30.16	
22	OVC	250				68	63	65	84	8	19	29.98	30.17	
SUNRISE: 0451 MAY 29 SUNSET: 1922														
01	FEW	250				67	62	64	84	7	31	29.99	30.18	
04	FEW	250				64	61	62	90	0	00	30.00	30.19	
07	CLR	NC				70	62	65	76	5	03	30.03	30.22	
10	CLR	NC				79	64	69	60	9	03	30.06	30.25	
13	FEW	050				83	58	67	43	6	07	30.04	30.23	
16	FEW	055				83	59	68	44	6	16	30.00	30.19	
19	FEW	060				76	59	66	56	8	16	30.00	30.19	
22	CLR	NC				68	56	61	66	3	16	30.03	30.22	
SUNRISE: 0451 MAY 30 SUNSET: 1923														
01	CLR	NC				63	56	59	78	0	00	30.03	30.22	
04	CLR	NC				61	54	57	78	0	00	30.02	30.21	
07	CLR	NC				66	56	60	70	3	18	30.06	30.25	
10	CLR	NC				77	54	63	45	5	21	30.07	30.26	
13	FEW	250				83	57	67	41	5	14	30.03	30.22	
16	FEW	075				84	58	68	41	6	17	29.98	30.17	
19	FEW	250				78	56	65	47	9	16	29.97	30.16	
22	CLR	NC				70	54	61	57	6	18	30.00	30.19	

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0450 MAY 31 SUNSET: 1923														
01	CLR	NC				67	52	59	59	3	19	30.00	30.19	
04	CLR	NC				64	50	56	61	3	19	29.99	30.18	
07	CLR	NC				68	56	61	66	5	20	30.00	30.19	
10	CLR	NC				80	59	67	49	9	23	29.99	30.18	
13	SCT	250				86	61	70	43	6	VR	29.95	30.14	
16	SCT	250				87	59	69	39	8	19	29.90	30.09	
19	OVC	250				80	61	68	52	7	16	29.90	30.09	
22	BKN	250				73	59	64	62	8	18	29.95	30.14	

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.

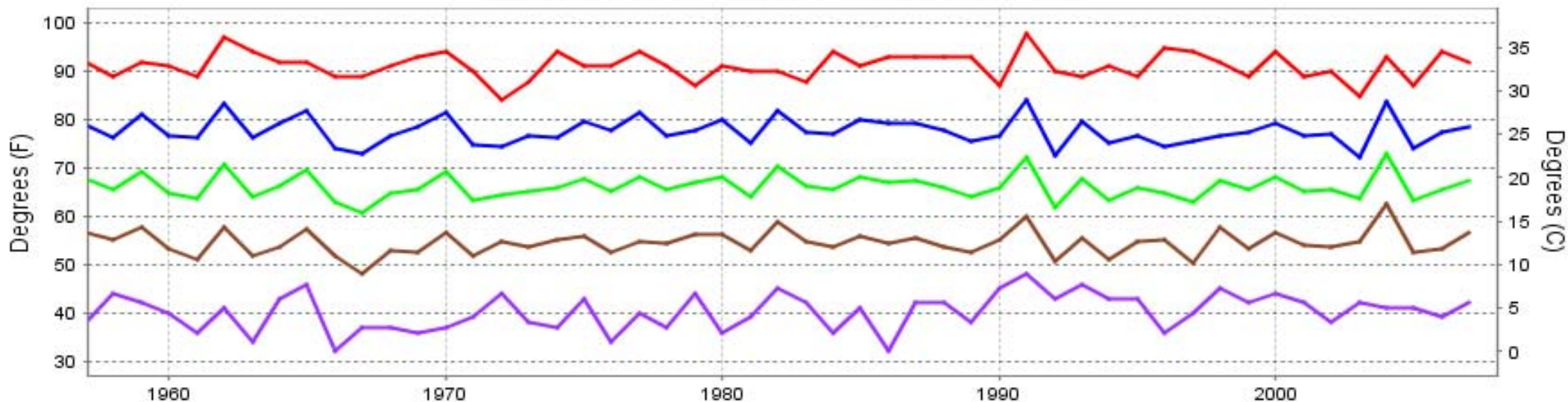
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			61	53	57	76	29.94	30.13	8.85	4	2	20
02			61	53	56	77	29.94	30.13	8.98	5	2	19
03			60	53	56	78	29.94	30.13	9.02	4	2	21
04			59	53	56	79	29.94	30.13	8.85	5	2	20
05			59	52	55	81	29.95	30.14	9.36	5	2	20
06			60	53	56	79	29.97	30.16	8.91	5	2	21
07			62	53	57	74	29.98	30.17	9.06	7	2	20
08			65	53	58	67	29.99	30.18	8.96	9	1	19
09			68	53	60	61	29.99	30.18	9.05	9	1	17
10			71	53	61	55	29.99	30.18	9.61	9	2	15
11			73	53	61	51	29.98	30.17	9.65	9	2	16
12			75	53	62	48	29.97	30.16	9.72	9	2	17
13			76	53	62	46	29.96	30.15	9.72	9	2	16
14			77	52	63	44	29.94	30.13	9.72	9	2	16
15			77	53	63	45	29.93	30.12	9.77	9	2	14
16			76	52	62	47	29.92	30.11	9.52	10	2	15
17			74	53	62	50	29.92	30.11	9.17	10	2	14
18			73	53	62	52	29.92	30.11	9.35	8	2	13
19			69	54	61	59	29.93	30.12	9.35	7	2	14
20			66	54	59	65	29.94	30.13	9.39	7	2	15
21			65	54	59	70	29.95	30.14	9.35	5	2	16
22			63	54	58	73	29.95	30.14	9.32	5	2	18
23			63	54	58	74	29.95	30.14	9.16	4	2	19
24			62	53	57	75	29.95	30.14	9.13	4	2	20

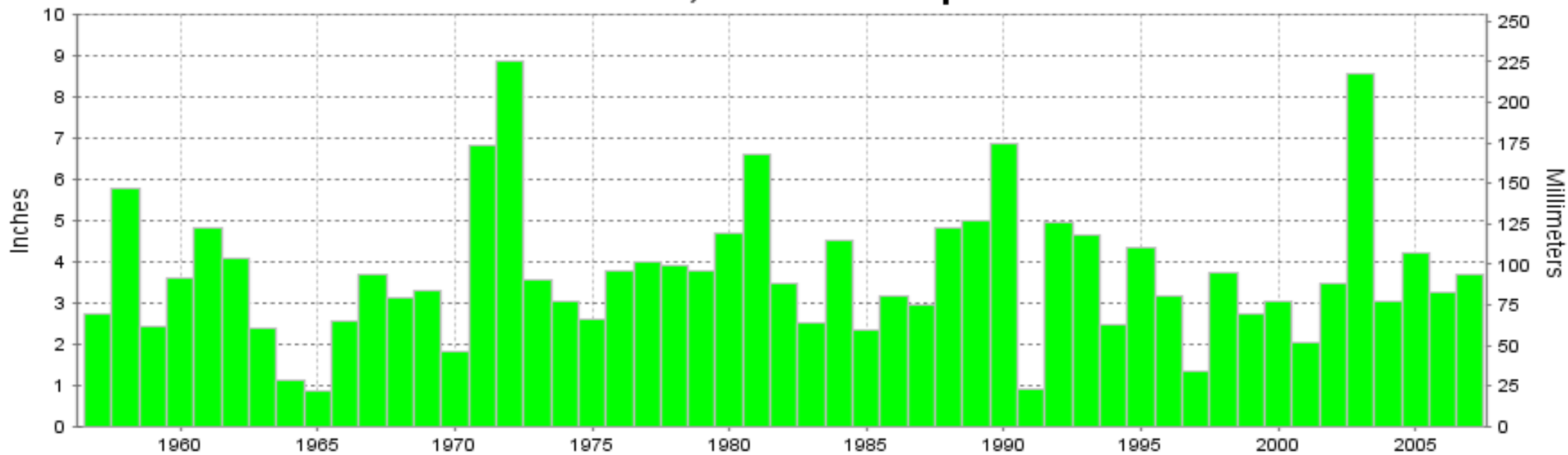
RICHMOND, VA MAY Temperatures



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

Long-Term (1957-2007) Mean: 66.1
1971-2000 Normal: 65.4

RICHMOND, VA MAY Precipitation



Long-Term (1957-2007) Mean Monthly Total: 3.71

1971-2000 Normal: 3.96



MAY 2007
RICHMOND, VA

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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Thomas R. Karl
DIRECTOR

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