



FEBRUARY 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	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
																		SPEED	DIR	SPEED	DIR			
01	35	24	30	-7	22	29	35	0	DZ SN BR			0.3	0.08	29.81	30.03	4.2	18	5.9	14	18	13	18	01	
02	40	33	37	0	34	36	28	0	RA DZ FG BR			0.0	0.14	29.54	29.74	2.2	29	4.2	16	26	14	26	02	
03	42	29	36	-1	14	29	29	0				0.0	0.00	29.82	30.05	11.0	26	11.7	31	26	25	25	03	
04	48	24	36	-1	10	28	29	0				0.0	0.00	29.93	30.13	12.9	26	14.5	38	27	29	26	04	
05	31	18	25	-12	-4	18	40	0				0.0	0.00	30.10	30.33	10.4	31	11.4	29	30	24	30	05	
06	29	12*	21*	-16	-4	16	44	0				0.0	0.00	30.15	30.32	3.5	29	6.9	22	29	17	27	06	
07	40	23	32	-5	12	25	33	0	SN			H	T	29.85	30.05	4.5	35	7.6	24	01	20	01	07	
08	39	17	28	-10	1	21	37	0				0.0	0.00	29.93	30.13	4.5	32	6.6	28	31	25	31	08	
09	41	15	28	-10	2	22	37	0				0.0	0.00	29.91	30.11	4.4	30	6.7	21	30	17	30	09	
10	41	19	30	-9	4	22	35	0				0.0	0.00	29.93	30.15	3.5	32	4.6	20	34	17	33	10	
11	43	13	28	-11	6	22	37	0				0.0	0.00	30.11	30.31	1.8	23	5.1	17	22	15	22	11	
12	52	22	37	-2	17	31	28	0				0.0	0.00	30.06	30.25	2.7	11	4.5	14	18	12	17	12	
13	40	34	37	-2	29	34	28	0	RA DZ BR			0.0	0.43	29.93	30.08	10.0	04	10.1	23	06	17	06	13	
14	47	27	37	-2	28	33	28	0	RA BR			0.0	1.15	29.39	29.60	12.6	32	13.7	31	31	24	31	14	
15	35	20	28	-12	7	22	37	0				0.0	0.00	29.81	30.02	6.4	34	8.1	22	31	20	32	15	
16	36	18	27	-13	5	21	38	0				0.0	0.00	29.84	30.03	6.8	28	7.6	25	26	20	26	16	
17	47	16	32	-8	13	27	33	0				0.0	0.00	29.73	29.91	6.5	22	7.1	28	20	21	20	17	
18	42	26	34	-6	15	28	31	0				0.0	0.00	29.65	29.88	12.2	31	13.4	31	29	24	29	18	
19	45	17	31	-9	10	26	34	0				0.0	0.00	30.01	30.20	6.2	24	9.3	26	31	22	32	19	
20	63	39	51	10	30	43	14	0				0.0	0.00	29.75	29.90	13.7	22	14.0	28	22	24	24	20	
21	63	42	53	12	40	47	12	0	RA			0.0	T	29.67	29.88	1.2	12	6.2	21	23	16	25	21	
22	67*	42	55*	14	30	43	10	0	BR HZ			0.0	0.00	29.61	29.79	10.6	28	14.6	49*	29	38*	29	22	
23	49	29	39	-3	14	31	26	0				0.0	0.00	29.83	30.06	12.4	34	13.2	35	30	36	31	23	
24	50	23	37	-5	10	29	28	0				0.0	0.00	30.03	30.24	5.8	34	6.5	21	32	17	32	24	
25	42	35	39	-3	32	35	26	0	RA SN BR			T	0.26	29.81	30.01	4.0	07	6.9	18	10	15	12	25	
26	50	36	43	1	35	38	22	0	BR			0.0	0.00	29.61	29.83	1.1	34	5.0	15	32	12	33	26	
27	60	30	45	2	32	40	20	0	BR HZ			0.0	0.00	29.75	29.96	1.9	35	5.0	26	01	22	02	27	
28	54	32	43	0	25	36	22	0				0.0	0.00	29.96	30.16	2.9	05	5.2	17	03	14	05	28	
										< MONTHLY AVERAGES TOTALS >		0.3	2.06	29.85	30.04	3.8	30	8.4	< MONTHLY AVERAGES					
										<-----DEPARTURE FROM NORMAL ----->		-0.92		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.58 DATE : 13-14				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY										GREATEST 24-HR SNOWFALL : 0.3 DATE : 01				MAXIMUM : 30.47				06 0954						
SEASON TO DATE										GREATEST SNOW DEPTH :				MINIMUM : 29.45				14 0554						
TOTAL DEPARTURE										NUMBER OF ->		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 21		PRECIPITATION >= 0.01 INCH: 5								
HEATING : 821 116 2558 -491										DAYS WITH		MAXIMUM TEMP <= 32 : 2		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 4								
COOLING : 0 -1 0 -1												THUNDERSTORMS : 0		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0								

FEBRUARY 2007
RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
FEBRUARY 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	0.08	0.08	
02	T	0.01	0.01	0.01	0.05	0.03	0.01	T				T	02	0.01	T	0.03	T		T		0.01	T		0.01	02	0.14	0.14	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07	T												07												07	T	T	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13	0.02	0.05	0.03	0.01	0.01	0.01	0.02	T	0.01	0.02	0.07	0.17	13	0.43	0.43
14	0.32	0.45	0.29	0.04	0.05	T						T	14												14	1.15	1.15	
15												T	15												15	0.00	0.00	
16													16												16	0.00	0.00	
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			T										21												21	T	T	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25		0.01	0.02	T		T			0.01	T	T		25	0.01	0.01	0.02	0.01	0.07	0.04	T	0.06	T	T		25	0.26	0.26	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28												T	28												28	T*	0.00	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.09	0.16	0.22	0.27	0.40	0.51	0.59	0.68	0.76	0.87	1.03	1.12
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	0144	0147	0152	0157	0207	0218	0227	0227	0221	0214	0232	0232

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 FEBRUARY 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:MMS, 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							0.75	10.00	
02							0.50	9.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							8.00	10.00	
13							2.00	10.00	
14							1.00	10.00	
15							10.00	10.00	
16							10.00	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							4.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							1.50	10.00	
26							1.00	10.00	
27							4.00	10.00	
28							10.00	10.00	
MONTHLY AVGS							7.49	9.96	
SUNSHINE (Minutes)									
Total : 0					Possible : 18192				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
0			6				20		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

FEBRUARY 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		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)		Eff Cld Amt Oktas	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
			Visibility (MILES)	Visibility (MILES)		Visibility (MILES)	Visibility (MILES)	Visibility (MILES)		Visibility (MILES)	Visibility (MILES)				Visibility (MILES)	Visibility (MILES)		Visibility (MILES)	Visibility (MILES)	Visibility (MILES)		Visibility (MILES)	Visibility (MILES)	Visibility (MILES)	Visibility (MILES)	Visibility (MILES)	Visibility (MILES)
SUNRISE: 0713 FEB 01						SUNSET: 1733						SUNRISE: 0707 FEB 07						SUNSET: 1740									
01	OVC	200				26	16	23	66	6	18	29.97	30.16	01	OVC	050				28	6	22	39	7	13	29.79	29.99
04	OVC	090				30	12	25	47	8	18	29.91	30.11	04	OVC	060				31	10	25	41	5	23	29.68	29.88
07	OVC	100				32	12	26	43	8	20	29.93	30.13	07	OVC	070				26	15	23	63	11	34	29.78	29.98
10	OVC	085				33	16	27	50	7	20	29.91	30.11	10	SCT	250				30	14	25	51	16	02	29.90	30.10
13	OVC	044				35	22	30	59	8	17	29.85	30.05	13	SCT	250				35	13	28	40	7	VR	29.89	30.09
16	OVC	055			BR	32	29	31	89	6	14	29.75	29.95	16	BKN	250				37	13	29	37	11	30	29.88	30.08
19	OVC	025			-DZ BR	32	30	31	92	0	00	29.75	29.95	19	BKN	250				29	13	24	51	3	11	29.91	30.11
22	OVC	022			-DZ BR	33	31	32	92	3	02	29.71	29.91	22	BKN	150				26	13	22	58	0	00	29.96	30.16
SUNRISE: 0712 FEB 02						SUNSET: 1734						SUNRISE: 0706 FEB 08						SUNSET: 1741									
01	OVC	006			-DZ BR	34	32	33	92	6	35	29.60	29.80	01	BKN	150				27	8	22	44	3	06	29.94	30.14
04	OVC	020			-DZ BR	34	32	33	92	3	36	29.55	29.75	04	FEW	150				19	7	16	59	0	00	29.91	30.11
07	OVC	030			-RA BR	34	32	33	92	3	02	29.56	29.76	07	FEW	150				17	7	15	65	0	00	29.89	30.09
10	OVC	005			BR	36	33	35	89	0	00	29.56	29.76	10	FEW	250				32	4	24	30	13	30	29.93	30.13
13	OVC	007				40	36	38	86	0	00	29.49	29.69	13	SCT	250				37	-3	27	18	18	32	29.94	30.14
16	OVC	007			BR	40	36	38	86	0	00	29.45	29.64	16	FEW	250				38	-8	27	13	15	31	29.93	30.13
19	OVC	036			BR	39	37	38	93	7	20	29.50	29.70	19	CLR	NC				27	-3	20	27	8	04	29.96	30.16
22	OVC	008			BR	40	37	39	89	6	28	29.60	29.79	22	CLR	NC				21	3	17	45	5	16	29.95	30.15
SUNRISE: 0711 FEB 03						SUNSET: 1735						SUNRISE: 0705 FEB 09						SUNSET: 1742									
01	FEW	060				37	28	34	70	10	26	29.67	29.87	01	CLR	NC				20	3	16	47	3	19	29.89	30.09
04	CLR	NC				33	22	29	64	8	27	29.76	29.96	04	SCT	250				24	3	19	40	8	27	29.88	30.08
07	FEW	250				30	18	26	61	6	26	29.86	30.05	07	BKN	250				26	2	20	35	7	27	29.93	30.12
10	FEW	200				35	13	28	40	14	26	29.91	30.11	10	SCT	250				31	-0	23	26	11	28	29.97	30.16
13	SCT	200				39	10	30	30	20	26	29.86	30.06	13	BKN	250				38	-2	27	18	14	33	29.91	30.11
16	SCT	250				41	10	31	28	20	26	29.84	30.03	16	BKN	250				40	-3	28	16	7	VR	29.88	30.07
19	FEW	200				37	10	29	33	8	23	29.89	30.09	19	BKN	250				33	-1	24	23	5	34	29.92	30.12
22	BKN	200				31	12	25	45	8	21	29.93	30.13	22	FEW	250				24	6	19	46	0	00	29.91	30.11
SUNRISE: 0710 FEB 04						SUNSET: 1736						SUNRISE: 0704 FEB 10						SUNSET: 1743									
01	SCT	200				33	9	26	36	9	23	29.95	30.15	01	FEW	250				22	7	18	52	0	00	29.93	30.13
04	SCT	250				29	11	24	47	7	23	29.99	30.19	04	BKN	250				23	6	19	48	3	03	29.93	30.12
07	SCT	250				25	11	21	55	6	20	30.00	30.20	07	SCT	250				20	8	17	60	0	00	29.95	30.15
10	FEW	200				38	14	30	37	11	22	29.98	30.18	10	SCT	250				29	6	23	37	0	00	29.96	30.15
13	BKN	200				48	12	35	23	22	26	29.85	30.05	13	SCT	250				38	3	28	23	9	28	29.91	30.10
16	BKN	200				46	15	35	29	24	27	29.81	30.01	16	FEW	200				41	-3	29	15	13	32	29.90	30.10
19	FEW	250				39	7	29	26	17	29	29.88	30.08	19	CLR	NC				32	1	24	26	0	00	29.96	30.16
22	FEW	250				34	1	25	24	16	28	29.95	30.14	22	CLR	NC				23	8	19	52	13	01	30.03	30.23
SUNRISE: 0709 FEB 05						SUNSET: 1737						SUNRISE: 0703 FEB 11						SUNSET: 1744									
01	CLR	NC				27	1	21	32	14	32	30.01	30.21	01	CLR	NC				23	2	18	40	6	02	30.07	30.27
04	CLR	NC				23	-2	17	33	7	31	30.05	30.25	04	CLR	NC				22	5	18	48	3	05	30.11	30.30
07	SCT	250				22	1	17	40	6	27	30.08	30.28	07	CLR	NC				17	7	15	65	0	00	30.15	30.35
10	SCT	250				25	2	19	37	10	36	30.15	30.35	10	CLR	NC				28	7	22	41	6	14	30.18	30.38
13	SCT	070				29	-2	21	26	15	30	30.13	30.33	13	FEW	110				37	6	28	27	7	25	30.11	30.31
16	CLR	NC				30	-12	21	15	17	31	30.13	30.33	16	CLR	NC				43	1	31	17	10	23	30.05	30.24
19	CLR	NC				24	-12	17	19	9	31	30.19	30.39	19	FEW	090				34	3	25	27	5	22	30.09	30.29
22	CLR	NC				20	-10	14	25	7	33	30.22	30.42	22	FEW	090				26	10	21	51	5	20	30.09	30.29
SUNRISE: 0708 FEB 06						SUNSET: 1739						SUNRISE: 0702 FEB 12						SUNSET: 1745									
01	CLR	NC				16	-8	12	33	7	34	30.21	30.41	01	FEW	080				26	9	21	48	0	00	30.11	30.31
04	CLR	NC				14	-7	10	38	3	32	30.22	30.42	04	BKN	200				25	14	22	63	0	00	30.08	30.27
07	CLR	NC				13	-7	9	40	8	29	30.25	30.45	07	BKN	200				27	15	23	61	0	00	30.12	30.32
10	BKN	250				18	-9	13	29	14	30	30.26	30.47	10	OVC	250				42	12	32	29	6	10	30.14	30.34
13	BKN	250				24	-8	17	24	10	25	30.15	30.35	13	OVC	250				49	16	37	27	7	16	30.05	30.24
16	BKN	250				28	-7	20	21	3	24	30.07	30.27	16	OVC	250				51	20	39	29	10	18	29.98	30.17
19	OVC	250				28	-2	21	27	7	15	30.00	30.21	19	OVC	150				45	24	37	44	6	04	29.99	30.19
22	OVC	080				27	3	21	35	3	10	29.92	30.12	22	OVC	080				42	23	35	47	7	06	30.02	30.22

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

FEBRUARY 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
SUNRISE: 0701 FEB 13						SUNSET: 1746						SUNRISE: 0654 FEB 19						SUNSET: 1753									
01	OVC	070			10.00	40	24	34	53	7	03	29.99	30.19	01	FEW	045			10.00	26	7	21	44	17	31	29.93	30.13
04	OVC	070			10.00	39	25	34	57	8	03	29.97	30.17	04	CLR	NC			10.00	22	8	18	55	9	33	30.00	30.19
07	OVC	035			10.00	39	25	34	57	8	05	30.01	30.20	07	FEW	200			10.00	19	9	16	65	7	18	30.08	30.28
10	OVC	031			6.00	39	30	35	70	9	05	30.02	30.21	10	FEW	250			10.00	30	5	23	34	11	25	30.12	30.32
13	OVC	016			2.00	37	34	36	89	14	05	29.96	30.15	13	BKN	250			10.00	37	4	28	25	9	23	30.05	30.25
16	OVC	011			2.00	35	32	34	89	14	04	29.87	30.06	16	BKN	250			10.00	44	10	33	25	10	23	29.98	30.17
19	OVC	007			2.00	34	32	33	92	10	03	29.79	29.98	19	SCT	250			10.00	35	16	29	46	9	19	29.95	30.15
22	OVC	003			2.00	34	32	33	92	14	04	29.65	29.84	22	BKN	250			10.00	38	19	31	46	11	20	29.92	30.12
SUNRISE: 0660 FEB 14						SUNSET: 1747						SUNRISE: 0653 FEB 20						SUNSET: 1754									
01	OVC	012			2.00	36	34	35	92	15	03	29.44	29.62	01	OVC	250			10.00	41	20	33	43	11	19	29.87	30.07
04	OVC	012			3.00	33	30	32	89	16	35	29.29	29.49	04	OVC	200			10.00	45	23	37	42	13	22	29.84	30.04
07	OVC	030			10.00	33	32	33	96	13	34	29.28	29.47	07	BKN	250			10.00	44	25	37	47	13	22	29.82	30.01
10	OVC	010			10.00	36	35	36	96	11	30	29.31	29.51	10	OVC	250			10.00	51	26	41	38	15	22	29.79	29.98
13	OVC	044			10.00	42	36	39	79	9	28	29.28	29.48	13	OVC	250			10.00	61	28	46	29	18	23	29.70	29.89
16	OVC	041			10.00	44	31	39	60	20	31	29.36	29.54	16	SCT	250			10.00	62	32	48	32	23	22	29.63	29.82
19	FEW	050			10.00	34	17	28	50	16	33	29.58	29.78	19	OVC	250			10.00	60	33	47	36	8	21	29.60	29.79
22	CLR	NC			10.00	29	14	24	53	10	33	29.68	29.88	22	BKN	250			10.00	56	41	49	57	16	21	29.54	29.73
SUNRISE: 0659 FEB 15						SUNSET: 1748						SUNRISE: 0652 FEB 21						SUNSET: 1755									
01	SCT	250			10.00	27	12	23	53	7	VR	29.73	29.93	01	BKN	200			10.00	55	45	50	69	13	24	29.57	29.76
04	FEW	250			10.00	24	11	20	58	8	31	29.78	29.98	04	SCT	250			10.00	52	45	49	77	6	25	29.58	29.77
07	SCT	200			10.00	20	9	17	62	6	36	29.82	30.02	07	BKN	250			7.00	49	44	47	83	5	29	29.65	29.84
10	BKN	250			10.00	27	5	21	39	8	35	29.87	30.06	10	OVC	250			10.00	53	38	46	57	11	05	29.71	29.90
13	BKN	250			10.00	31	6	24	35	7	VR	29.85	30.05	13	SCT	250			10.00	59	38	49	46	5	VR	29.70	29.90
16	FEW	250			10.00	35	3	26	26	7	VR	29.80	30.00	16	SCT	080			10.00	63	39	51	41	5	VR	29.70	29.89
19	CLR	NC			10.00	28	5	22	37	10	34	29.84	30.04	19	BKN	150			10.00	52	36	45	55	11	09	29.74	29.93
22	CLR	NC			10.00	25	8	20	48	10	36	29.86	30.06	22	OVC	044			10.00	48	36	43	63	6	13	29.76	29.96
SUNRISE: 0658 FEB 16						SUNSET: 1749						SUNRISE: 0650 FEB 22						SUNSET: 1756									
01	CLR	NC			10.00	22	5	18	48	0	00	29.87	30.07	01	OVC	037			10.00	46	36	42	68	6	13	29.75	29.94
04	FEW	200			10.00	21	6	17	52	5	29	29.85	30.05	04	OVC	025			10.00	46	37	42	71	5	13	29.69	29.88
07	FEW	200			10.00	20	6	16	54	6	28	29.86	30.06	07	OVC	012			7.00	46	40	43	80	3	16	29.65	29.84
10	FEW	250			10.00	26	3	20	37	11	29	29.86	30.06	10	OVC	006			7.00	49	44	47	83	10	23	29.59	29.78
13	CLR	NC			10.00	32	4	24	30	8	28	29.81	30.01	13	BKN	075			10.00	63	36	50	37	23	26	29.44	29.62
16	CLR	NC			10.00	35	1	26	23	15	29	29.79	29.98	16	FEW	090			10.00	64	9	43	11	25	29	29.44	29.63
19	CLR	NC			10.00	32	4	24	30	0	00	29.82	30.02	19	CLR	NC			10.00	51	21	39	31	21	31	29.60	29.79
22	CLR	NC			10.00	29	6	23	37	7	24	29.83	30.03	22	CLR	NC			10.00	45	20	36	37	17	30	29.66	29.85
SUNRISE: 0656 FEB 17						SUNSET: 1750						SUNRISE: 0649 FEB 23						SUNSET: 1757									
01	CLR	NC			10.00	27	6	21	41	8	25	29.83	30.03	01	FEW	060			10.00	42	18	33	38	17	31	29.68	29.87
04	CLR	NC			10.00	17	9	15	71	5	16	29.80	30.00	04	CLR	NC			10.00	38	17	31	43	13	32	29.71	29.90
07	FEW	200			10.00	20	6	16	54	5	18	29.81	30.01	07	FEW	060			10.00	36	17	30	46	10	33	29.79	29.98
10	OVC	250			10.00	29	11	24	47	8	21	29.80	30.00	10	FEW	050			10.00	41	15	32	35	16	33	29.88	30.08
13	BKN	250			10.00	43	13	33	29	8	18	29.68	29.88	13	FEW	050			10.00	47	15	36	28	17	35	29.88	30.08
16	OVC	200			10.00	46	13	34	26	14	22	29.60	29.80	16	CLR	NC			10.00	49	12	36	22	17	34	29.89	30.08
19	OVC	110			10.00	42	15	33	33	5	27	29.60	29.80	19	CLR	NC			10.00	39	9	30	29	7	34	29.96	30.15
22	BKN	110			10.00	36	21	31	55	5	22	29.61	29.81	22	CLR	NC			10.00	33	10	26	38	10	01	30.00	30.19
SUNRISE: 0655 FEB 18						SUNSET: 1751						SUNRISE: 0648 FEB 24						SUNSET: 1758									
01	BKN	120			10.00	34	22	30	62	3	27	29.59	29.78	01	CLR	NC			10.00	29	10	23	45	9	36	30.02	30.21
04	BKN	200			10.00	31	21	28	66	7	27	29.57	29.77	04	CLR	NC			10.00	25	10	21	53	6	36	30.01	30.21
07	SCT	200			10.00	31	22	28	69	7	26	29.61	29.80	07	SCT	250			10.00	25	9	21	51	7	36	30.06	30.26
10	BKN	060			10.00	37	18	30	46	18	31	29.69	29.89	10	FEW	250			10.00	38	1	28	21	11	35	30.09	30.29
13	SCT	055			10.00	40	11	31	30	18	32	29.64	29.83	13	FEW	250			10.00	46	9	34	22	15	34	30.04	30.24
16	OVC	060			10.00	37	11	29	34	17	31	29.65	29.85	16	BKN	250			10.00	49	10	36	21	7	30	30.00	30.19
19	SCT	085			10.00	31	10	25	41	17	30	29.75	29.95	19	OVC	180			10.00	44	15	34	31	0	00	30.03	30.23
22	FEW	050			10.00	29	8	23	41	21	33	29.87	30.07	22	OVC	140			10.00	41	18	33	40	5	09	30.04	30.23

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

FEBRUARY 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 Clد Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0646			FEB 25			SUNSET: 1759									
01	OVC	080				41	17	33	38	6	07	30.03	30.23		
04	OVC	110				35	30	33	82	5	07	30.01	30.20		
07	OVC	120				35	32	34	89	0	00	30.02	30.21		
10	OVC	150			-RA	36	33	35	89	7	09	29.96	30.15		
13	OVC	055			-RA	38	34	36	86	9	08	29.86	30.06		
16	OVC	007			RA BR	37	34	36	89	11	12	29.70	29.90		
19	OVC	005			BR	40	38	39	93	7	35	29.58	29.78		
22	OVC	003			BR	37	36	37	96	9	36	29.52	29.71		
SUNRISE: 0645			FEB 26			SUNSET: 1760									
01	OVC	002			BR	36	34	35	92	7	33	29.52	29.72		
04	OVC	005				36	34	35	92	5	34	29.55	29.75		
07	OVC	002			BR	36	34	35	92	5	33	29.61	29.80		
10	OVC	002			BR	38	35	37	89	6	22	29.65	29.84		
13	OVC	200				45	37	41	74	6	21	29.64	29.83		
16	OVC	200				50	34	43	54	5	VR	29.65	29.84		
19	OVC	200				45	37	41	74	6	07	29.67	29.87		
22	OVC	200				42	36	39	79	3	12	29.70	29.90		
SUNRISE: 0644			FEB 27			SUNSET: 1801									
01	OVC	080			BR	38	36	37	93	0	00	29.72	29.91		
04	SCT	080			BR	35	33	34	92	5	36	29.73	29.92		
07	FEW	040			BR	31	28	30	89	0	00	29.77	29.96		
10	SCT	250			HZ	47	36	42	66	3	VR	29.78	29.98		
13	SCT	033				55	35	46	47	3	VR	29.74	29.93		
16	FEW	050				59	26	45	28	11	29	29.71	29.91		
19	BKN	250				51	32	43	48	0	00	29.77	29.97		
22	SCT	100				46	30	39	54	17	02	29.87	30.06		
SUNRISE: 0642			FEB 28			SUNSET: 1802									
01	CLR	NC				40	27	35	60	9	04	29.89	30.08		
04	CLR	NC				36	24	32	62	3	36	29.91	30.11		
07	CLR	NC				32	24	29	72	5	36	29.98	30.18		
10	FEW	250				45	24	37	44	11	04	30.03	30.22		
13	SCT	250				50	24	40	36	3	VR	29.98	30.18		
16	FEW	250				54	23	41	30	5	36	29.94	30.14		
19	SCT	200				45	26	37	47	3	11	29.95	30.15		
22	OVC	200				41	29	36	62	7	12	29.97	30.17		

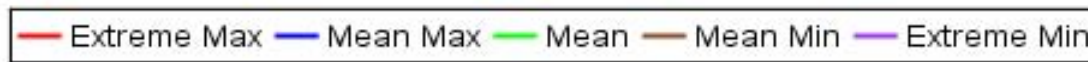
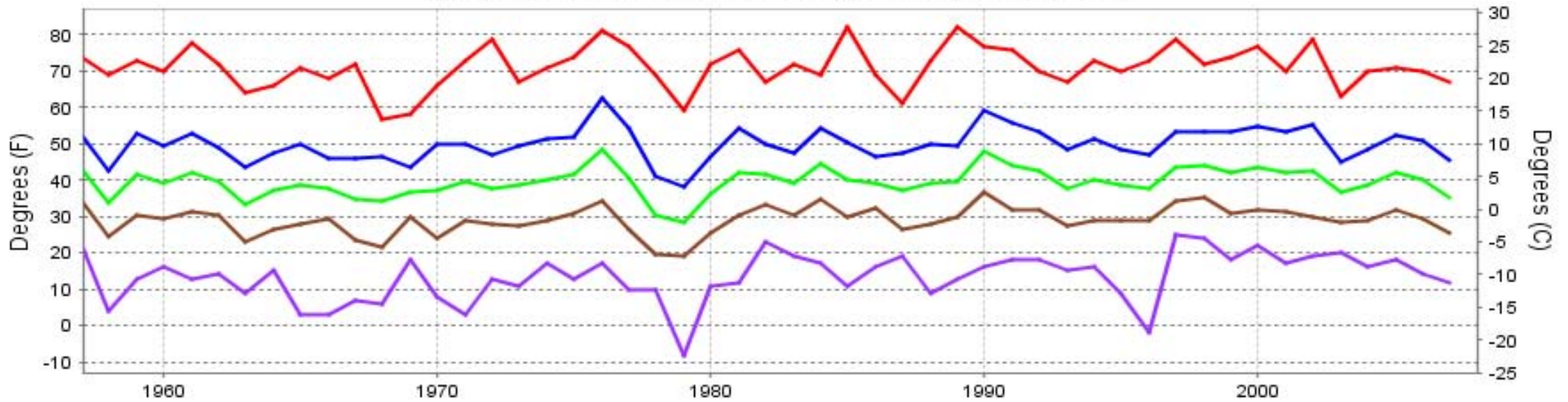
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND	PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Clد Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

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

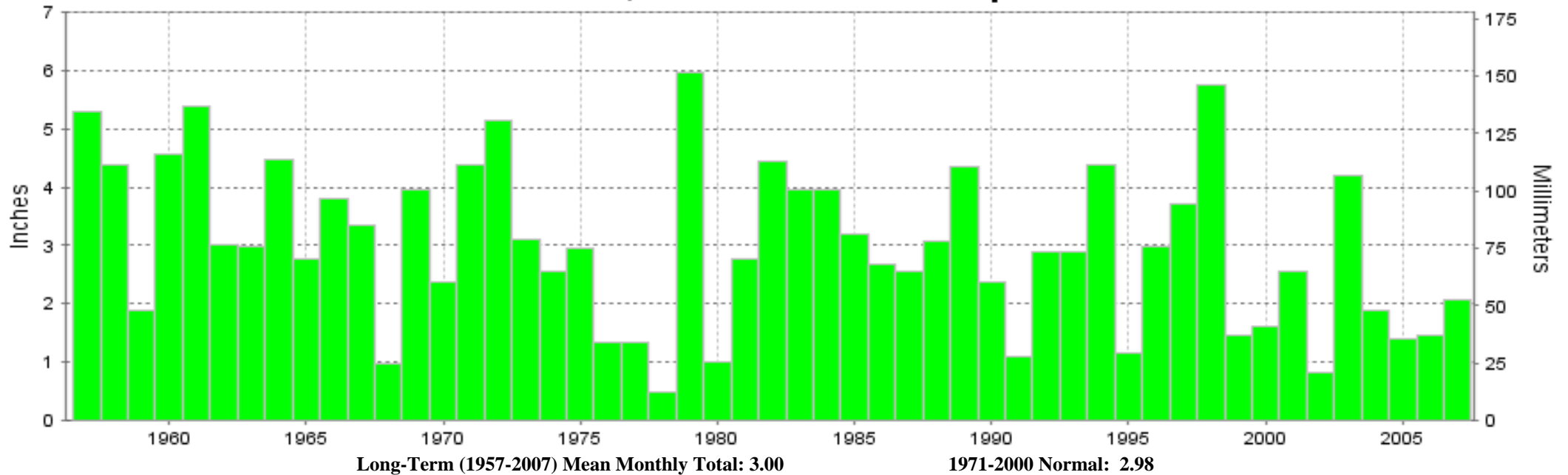
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			32	17	27	55	29.84	30.04	8.95	7	3	32
02			31	17	27	57	29.84	30.04	8.80	7	4	31
03			30	17	26	60	29.84	30.03	9.25	7	4	31
04			30	17	26	60	29.83	30.03	9.18	6	3	31
05			30	17	26	61	29.84	30.04	9.29	5	4	31
06			29	17	25	62	29.86	30.05	9.14	5	4	32
07			29	17	25	64	29.87	30.06	8.93	6	4	31
08			30	18	27	63	29.89	30.08	9.00	6	4	32
09			34	18	29	56	29.90	30.09	8.93	9	4	30
10			36	17	30	50	29.89	30.09	9.02	10	4	30
11			38	17	31	46	29.89	30.08	9.59	10	4	30
12			40	17	32	42	29.87	30.06	9.75	11	7	29
13			42	17	34	40	29.84	30.03	9.64	11	7	29
14			43	16	34	39	29.81	30.01	9.13	12	8	29
15			44	15	34	36	29.80	29.99	8.92	11	7	29
16			44	15	34	36	29.80	29.99	8.93	12	8	29
17			43	14	34	37	29.80	30.00	8.84	10	7	29
18			40	15	32	41	29.81	30.01	8.96	9	3	31
19			38	16	31	45	29.83	30.03	9.07	7	3	32
20			36	17	30	48	29.84	30.04	8.80	8	3	32
21			35	17	30	51	29.84	30.04	8.80	7	3	32
22			34	18	29	54	29.85	30.05	8.80	9	3	33
23			33	18	29	55	29.85	30.04	8.91	8	3	32
24			33	17	28	55	29.84	30.04	8.95	8	4	32

RICHMOND, VA FEBRUARY Temperatures



Long-Term (1957-2007) Mean: 39.5
1971-2000 Normal: 39.5

RICHMOND, VA FEBRUARY Precipitation



Long-Term (1957-2007) Mean Monthly Total: 3.00

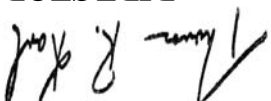
1971-2000 Normal: 2.98



**FEBRUARY 2007
RICHMOND, VA**

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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