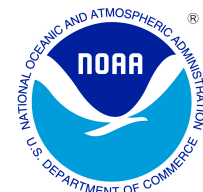




JANUARY 2006 LOCAL CLIMATOLOGICAL DATA

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	53	30	42	5	33	38	23	0	BCFG			0.0	0.00	29.90	30.10	1.0	16	2.5	12	09	9	09	01	
02	50	30	40	3	39	40	25	0	TS RA FG+ FG FZFG BR			0.0	0.83	29.83	30.02	1.9	08	5.4	25	07	22	07	02	
03	45	41	43	6	42	43	22	0	RA FG BR			0.0	0.03	29.65		9.5	35	9.8	23	01	16	01	03	
04	45	39	42	5	37	39	23	0	BR			0.0	0.00	29.79		2.6	14		18	17	14	16	04	
05	53	35	44	7	39	42	21	0	FG+ FG BR HZ			0.0	0.00	29.56	29.75	2.1	03	5.2	20	02	16	03	05	
06	46	29	38	2	26	34	27	0	RA			0.0	T	29.63	29.83	9.0	35	9.9	26	33	22	35	06	
07	41	20*	31*	-5	20	27	34	0				0.0	0.00	29.82	30.02	5.2	20	5.8	22	22	16	19	07	
08	53	27	40	4	27	36	25	0				0.0	0.00	29.87	30.07	6.3	18	6.9	21	19	16	20	08	
09	69*	45	57*	21	41	49	8	0				0.0	0.00	29.91	30.13	10.6	21	11.2	26	23	22	22	09	
10	56	42	49	13	37	44	16	0				0.0	0.00	30.22	30.44	5.8	07	6.6	16	06	13	05	10	
11	61	44	53	17	48	50	12	0	RA FG+ FG BR HZ			0.0	0.15	29.99	30.16	4.1	20	5.7	18	24	16	23	11	
12	65	40	53	17	45	49	12	0	MIFG BCFG BR			0.0	0.00	29.86	30.06	3.6	22	4.3	15	21	13	21	12	
13	67	45	56	20	53	55	9	0	FG+ FG BR			0.0	0.00	29.72	29.85	9.1	17	9.3	26	17	21	17	13	
14	64	37	51	15	41	45	14	0	TSRA RA SN BR			T	0.70	29.20	29.39	9.5	31	15.8	41	33	32	34	14	
15	46	31	39	3	10	29	26	0				0.0	0.00	29.59	29.83	13.7	32	14.2	39	32	32	32	15	
16	47	27	37	1	19	31	28	0				0.0	0.00	29.77	29.97	3.0	11	4.6	14	16	10	10	16	
17	64	34	49	13	41	45	16	0	RA			0.0	T	29.78	29.94	8.0	13	9.0	32	16	26	15	17	
18	68	32	50	14	35	43	15	0	RA BR			0.0	0.39	29.60	29.85	16.3	24	19.8	47*	26	37*	27	18	
19	59	30	45	9	24	37	20	0				0.0	0.00	30.12	30.33	6.6	20	8.1	16	18	14	18	19	
20	67	37	52	16	32	42	13	0				0.0	0.00	30.08	30.26	10.2	21	10.6	20	21	17	21	20	
21	63	43	53	17	44	48	12	0	RA			0.0	0.01	30.04	30.23	6.2	23	12.3	31	01	25	01	21	
22	45	34	40	4	29	35	25	0	RA DZ BR			0.0	0.34	30.37	30.56	6.1	03	7.2	17	10	14	05	22	
23	48	37	43	7	40	41	22	0	RA DZ BR			0.0	0.20	29.93	30.10	1.7	28	5.4	16	01	14	02	23	
24	54	38	46	10	37	42	19	0	RA BR			0.0	T	29.72	29.90	1.7	18	6.4	29	36	23	36	24	
25	49	37	43	7	21	35	22	0				0.0	0.00	29.70	29.93	15.2	30	16.1	41	31	36	31	25	
26	45	27	36	-1	12	28	29	0				0.0	0.00	30.10	30.34	9.6	34	10.2	29	34	23	33	26	
27	48	21	35	-2	13	28	30	0				0.0	0.00	30.40	30.60	0.2	36	4.1	14	01	12	02	27	
28	62	29	46	9	21	36	19	0				0.0	0.00	30.19	30.36	7.3	21	7.6	15	23	13	22	28	
29	64	38	51	14	43	48	14	0	RA			0.0	T	29.78	29.94	13.1	20	13.4	33	21	25	21	29	
30	67	40	54	17	45	49	11	0	FG+ BCFG BR			0.0	0.00	29.58	29.75	2.8	18	3.8	12	22	10	22	30	
31	53	36	45	8	36	42	20	0	TS TSRA RA BR			0.0	0.24	29.53	29.73	11.6	34	12.1	41	32	30	34	31	

55.4	34.7	45.1	☼	33.2	40.3	19.7	0.0	< MONTHLY AVERAGES TOTALS >				T	2.89	29.85	30.05	2.2	25	8.8	< MONTHLY AVERAGES			
10.1	7.1	8.7		<----- DEPARTURE FROM NORMAL ----->				-0.66	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS				SEASON TO DATE				GREATEST 24-HR PRECIPITATION : 0.86 DATE : 02-03				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY				TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL : T DATE : 14				MAXIMUM : 30.69				22 1100						
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : DATE :				MINIMUM : 29.29				14 1254						
HEATING :		612 -261		1933 -411		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 12		PRECIPITATION >= 0.01 INCH : 9										
COOLING :		0 0		0 0				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 7										
								THUNDERSTORMS : 3		HEAVY FOG : 5		SNOWFALL >= 1.0 INCH : 0										

**JANUARY 2006
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
JANUARY 2006

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		0.12	0.02	0.09	0.14	0.23	0.12	T	0.05	T	T	0.06	02	0.83	0.83
03	T	T	0.01	0.01	0.01								03	T	T										03	0.03	0.03	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	T	T	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.15	0.15	
12													12	T		0.02	0.09	0.02	0.01	T				12	0.00	0.00		
13													13												13	0.00	0.00	
14													14		0.27	0.09	0.01								14	0.70	0.70	
15													15	0.02	0.08	0.07	0.11								15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	T	T	
18													18												18	0.39	0.39	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.01	0.01	
22													22												22	0.34	0.34	
23	0.02	T	0.07	0.03	0.03	0.02	0.02	0.01	T	T			23												23	0.20	0.20	
24													24												24	T	T	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29												29	T	T	
30													30												30	0.00	0.00	
31													31												31	0.24	0.24	

* 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)												
Ending Date												
Ending Time (Hr/Min)												

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 JANUARY 2006

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:

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							0.25	10.00	
03							0.50	10.00	
04							6.00	10.00	
05							0.12	10.00	
06							7.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							0.12	10.00	
12							2.00	10.00	
13							0.12	10.00	
14							2.50	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							4.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							2.00	10.00	
23							0.75	10.00	
24							5.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							0.25	10.00	
31							4.00	10.00	
MONTHLY AVGS							6.28	10.00	
SUNSHINE (Minutes)									
Total :					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
5			10				17		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JANUARY 2006

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	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		
SUNRISE: 0723													SUNRISE: 0723																
JAN 01													JAN 07																
SUNSET: 1701													SUNSET: 1706																
01	BKN	200			10.00		38	34	36	86	0	00	29.73	29.93	01	CLR	NC			10.00		27	19	24	72	0	00	29.78	29.98
04	BKN	200			10.00		37	32	35	82	3	20	29.76	29.96	04	CLR	NC			10.00		23	19	22	85	0	00	29.82	30.02
07	BKN	200			10.00		36	31	34	82	3	30	29.82	30.02	07	CLR	NC			10.00		21	18	20	88	0	00	29.85	30.05
10	OVC	180			10.00		47	37	43	68	0	00	29.93	30.12	10	CLR	NC			10.00		32	19	28	59	6	17	29.89	30.09
13	OVC	200			10.00		50	33	43	52	0	00	29.92	30.12	13	SCT	044			10.00		38	19	31	46	9	24	29.81	30.01
16	BKN	250			10.00		53	32	44	45	0	00	29.95	30.15	16	SCT	110			10.00		41	20	33	43	9	20	29.77	29.97
19	SCT	200			10.00		41	33	38	73	5	09	29.98	30.18	19	FEW	065			10.00		33	22	29	64	7	18	29.81	30.01
22	CLR	NC			10.00		38	33	36	82	0	00	30.01	30.21	22	CLR	NC			10.00		32	22	29	67	8	19	29.82	30.02
SUNRISE: 0723													SUNRISE: 0723																
JAN 02													JAN 08																
SUNSET: 1702													SUNSET: 1707																
01	BKN	250			10.00		32	30	31	92	0	00	30.01	30.21	01	FEW	200			10.00		29	22	27	75	6	20	29.81	30.01
04	SCT	200			4.00	BR	35	33	34	92	5	09	29.99	30.19	04	SCT	200			10.00		28	22	26	78	6	19	29.84	30.04
07	BKN	090			3.00	BR	34	33	34	96	5	10	29.97	30.17	07	BKN	250			10.00		30	23	28	75	3	17	29.88	30.08
10	OVC	048			10.00		43	38	41	83	9	14	29.94	30.14	10	BKN	250			10.00		42	26	36	53	5	VR	29.94	30.14
13	OVC	044			10.00		49	39	44	69	6	12	29.83	30.02	13	OVC	250			10.00		50	28	41	43	5	VR	29.90	30.10
16	OVC	011			1.00	+RA BR	46	45	46	96	5	35	29.76	29.96	16	SCT	250			10.00		52	30	43	43	10	17	29.88	30.07
19	OVC	022			1.50	-RA BR	45	44	45	96	6	03	29.66	29.86	19	OVC	200			10.00		45	32	39	60	9	17	29.88	30.07
22	OVC	002			2.00	-RA BR	45	44	45	96	9	34	29.62	29.81	22	OVC	180			10.00		47	32	41	56	10	18	29.86	30.05
SUNRISE: 0723													SUNRISE: 0723																
JAN 03													JAN 09																
SUNSET: 1703													SUNSET: 1708																
01	OVC	002			2.00	BR	45	44	45	96	7	33	29.52	29.71	01	OVC	200			10.00		47	32	41	56	12	20	29.84	30.03
04	OVC	002			2.00	BR	45	44	45	96	7	33	29.52	29.71	04	BKN	200			10.00		48	33	41	56	13	20	29.85	30.05
07	OVC	002			1.00	BR	45	43	44	93	13	33	29.55		07	BKN	200			10.00		45	36	41	71	8	19	29.88	30.08
10	OVC	004			10.00		43	43	43	100	14	36	29.60		10	OVC	250			10.00		55	41	48	59	14	21	29.95	30.14
13	OVC	007			10.00		45	43	44	93	10	36	29.61		13	OVC	250			10.00		66	44	54	45	16	22	29.90	30.09
16	OVC	009			10.00		45	39	42	80	14	36	29.69		16	OVC	250			10.00		66	45	55	47	12	21	29.93	30.13
19	OVC	012			10.00		43	39	41	86	9	36	29.79	29.98	19	BKN	250			10.00		61	47	54	60	12	21	30.00	30.19
22	OVC	008			10.00		43	39	41	86	9	01	29.83		22	BKN	250			10.00		56	48	52	75	8	22	30.06	30.25
SUNRISE: 0723													SUNRISE: 0723																
JAN 04													JAN 10																
SUNSET: 1704													SUNSET: 1709																
01	OVC	011			10.00		41	37	39	86	13	03	29.85		01	OVC	250			10.00		52	48	50	86	5	02	30.11	30.30
04	OVC	020			10.00		40	35	38	82	6	35	29.87	30.07	04	SCT	200			10.00		50	40	45	69	9	04	30.18	30.37
07	OVC	012			10.00		39	36	38	89	8	02	29.89		07	BKN	250			10.00		45	36	41	71	6	04	30.27	30.46
10	OVC	009			10.00		40	36	38	86	5	13	29.89		10	OVC	250			10.00		50	36	44	59	10	08	30.33	30.53
13	OVC	011			10.00		42	37	40	83	9	18	29.79		13	OVC	250			10.00		54	36	46	51	6	08	30.28	30.47
16	OVC	015			10.00		44	38	41	80	7	15	29.73		16	OVC	250			10.00		53	36	45	53	9	08	30.25	30.44
19	OVC	030			10.00		42	38	40	86	10	16	29.68		19	OVC	250			10.00		47	34	41	61	7	11	30.26	30.45
22	SCT	039			9.00		39	37	38	93	7	15	29.65	29.84	22	BKN	070			10.00		44	34	40	68	3	12	30.24	30.43
SUNRISE: 0723													SUNRISE: 0723																
JAN 05													JAN 11																
SUNSET: 1704													SUNSET: 1710																
01	OVC	006			4.00	BR	41	39	40	93	12	19	29.57	29.76	01	OVC	005			7.00		45	38	42	77	0	00	30.18	30.37
04	BKN	004			1.00	BR	40	39	40	96	5	19	29.54	29.74	04	OVC	005			6.00	HZ	45	40	43	83	0	00	30.14	30.33
07	BKN	200			0.75	BR	38	37	38	96	0	00	29.55	29.75	07	OVC	004			1.00	BR	44	42	43	93	5	08	30.08	30.27
10	OVC	001			0.25	FG	43	42	43	96	5	23	29.61	29.81	10	VV	001			0.12	-RA FG	45	44	45	96	0	00	30.05	30.24
13	BKN	250			10.00		49	43	46	80	0	00	29.54	29.73	13	OVC	003			2.00	BR	50	48	49	93	10	18	29.91	30.10
16	OVC	250			10.00		52	43	48	72	3	36	29.53	29.72	16	OVC	060			5.00	RA	59	52	55	78	0	00	29.86	30.05
19	OVC	150			10.00		46	41	44	83	5	36	29.56	29.75	19	OVC	075			9.00	-RA	58	57	57	97	7	21	29.83	30.02
22	OVC	055			10.00		45	31	39	58	10	03	29.56	29.75	22	OVC	022			10.00		59	57	58	93	12	23	29.84	30.03
SUNRISE: 0723													SUNRISE: 0722																
JAN 06													JAN 12																
SUNSET: 1705													SUNSET: 1711																
01	OVC	050			10.00		44	30	38	58	0	00	29.56	29.76	01	CLR	NC			7.00		56	53	54	90	9	25	29.83	30.02
04	OVC	080			10.00		42	33	38	71	0	00	29.55	29.75	04	CLR	NC			10.00		51	48	49	90	7	26	29.84	30.03
07	OVC	080			10.00		42	31	37	65	9	36	29.56	29.76	07	CLR	NC			7.00	BCFG	43	42	43	96	0	00	29.87	30.07
10	OVC	090			10.00		43	29	37	58	18	36	29.62	29.81	10	FEW	250			10.00		52	46	49	80	5	21	29.93	30.12
13	OVC	046			10.00		43	25	36	49	15	34	29.60	29.79	13	CLR	NC			10.00		60	46	53	60	0	00	29.87	30.06
16	OVC	048			10.00		42	24	35	49	15	33	29.64	29.84	16	CLR	NC			10.00		64	40	52	42	13	21	29.85	30.04
19	FEW	050			10.00		35	22	30	59	8	36	29.72	29.91	19	CLR	NC			10.00		51	42	47	71	0	00	29.86	30.06
22	CLR	NC			10.00		30	19	26	64	8	02	29.76	29.96	22	CLR	NC			10.00		48	44	46	86	3	14	29.86	30.06

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

JANUARY 2006

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)																	
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL																
															DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL								
SUNRISE: 0722							JAN 13			SUNSET: 1712																				
01	BKN	025			6.00	BR	49	47	48	93	5	17	29.84	30.03	01	FEW	250			10.00			33	22	29	64	7	18	30.06	30.25
04	BKN	250			0.50	FG	48	47	48	96	0	00	29.83	30.03	04	CLR	NC			10.00			31	22	28	69	3	19	30.12	30.31
07	VV	001			0.25	FG	50	49	49	96	6	19	29.82	30.01	07	SCT	200			10.00			38	20	32	48	8	25	30.16	30.36
10	OVC	001			0.25	FG	54	54	54	100	9	17	29.81	30.00	10	BKN	250			10.00			45	22	36	40	7	23	30.22	30.42
13	OVC	250			10.00		63	56	59	78	10	18	29.70	29.89	13	BKN	250			10.00			55	23	42	29	7	25	30.17	30.37
16	OVC	250			10.00		65	55	59	70	12	16	29.61	29.80	16	FEW	250			10.00			58	27	45	31	10	18	30.12	30.32
19	OVC	250			10.00		60	56	58	87	12	14	29.50	29.70	19	CLR	NC			10.00			50	28	41	43	10	16	30.10	30.30
22	OVC	140			10.00		63	58	60	84	17	16	29.36	29.55	22	CLR	NC			10.00			45	28	38	51	10	18	30.12	30.32
SUNRISE: 0722							JAN 14			SUNSET: 1713																				
01	OVC	024			10.00		64	58	60	81	14	16	29.22	29.41	01	SCT	250			10.00			42	28	36	58	8	19	30.09	30.29
04	OVC	095			10.00		56	54	55	93	8	19	29.14	29.33	04	SCT	250			10.00			41	30	37	65	9	20	30.08	30.27
07	OVC	030			10.00		55	51	53	86	9	24	29.10	29.29	07	BKN	200			10.00			41	30	37	65	8	21	30.11	30.31
10	OVC	048			10.00	-RA	53	49	51	86	12	01	29.12	29.30	10	OVC	250			10.00			54	31	44	42	15	25	30.14	30.33
13	OVC	048			10.00		49	41	45	74	16	30	29.10	29.29	13	OVC	250			10.00			64	34	50	33	13	20	30.05	30.24
16	OVC	039			10.00		44	33	39	65	26	33	29.21	29.39	16	OVC	250			10.00			64	36	50	36	14	21	30.03	30.22
19	OVC	035			10.00	-RA	37	34	36	89	14	32	29.29	29.49	19	BKN	250			10.00			50	34	43	54	12	19	30.05	30.24
22	OVC	095			10.00		39	21	32	48	26	34	29.36	29.55	22	SCT	250			10.00			43	30	38	60	9	19	30.05	30.24
SUNRISE: 0721							JAN 15			SUNSET: 1714																				
01	CLR	NC			10.00		35	17	29	48	13	33	29.42	29.61	01	CLR	NC			10.00			44	35	40	71	9	19	30.02	30.21
04	CLR	NC			10.00		33	14	27	46	15	32	29.50	29.69	04	CLR	NC			10.00			46	40	43	80	10	19	29.98	30.17
07	FEW	070			10.00		32	11	26	42	14	34	29.58	29.78	07	BKN	250			10.00			43	40	42	89	7	18	29.98	30.17
10	CLR	NC			10.00		36	7	27	30	20	34	29.65	29.85	10	OVC	095			10.00			57	47	52	69	18	22	30.01	30.20
13	CLR	NC			10.00		43	7	32	23	21	34	29.63	29.83	13	OVC	044			10.00			61	55	58	81	18	22	29.93	30.12
16	CLR	NC			10.00		46	8	34	21	12	31	29.67	29.87	16	OVC	090			10.00			62	54	58	75	14	23	29.96	30.15
19	FEW	200			10.00		41	10	31	28	9	30	29.75	29.94	19	OVC	250			10.00			57	52	54	83	6	27	30.08	30.27
22	BKN	110			10.00		38	10	29	31	10	35	29.76	29.96	22	SCT	100			10.00			48	29	40	48	14	36	30.25	30.44
SUNRISE: 0721							JAN 16			SUNSET: 1715																				
01	BKN	250			10.00		37	13	29	37	5	33	29.77	29.97	01	SCT	250			10.00			43	26	36	51	13	01	30.32	30.51
04	BKN	130			10.00		32	19	28	59	5	04	29.76	29.96	04	FEW	250			10.00			36	26	32	67	7	02	30.37	30.56
07	SCT	130			10.00		29	18	25	63	0	00	29.79	29.98	07	BKN	250			10.00			35	27	32	73	7	01	30.43	30.63
10	BKN	250			10.00		38	16	31	41	7	12	29.83	30.03	10	OVC	070			10.00			39	26	34	60	7	03	30.49	30.69
13	BKN	250			10.00		45	17	35	32	7	14	29.75	29.95	13	OVC	050			10.00			44	24	36	45	9	06	30.41	30.60
16	BKN	250			10.00		45	18	35	34	8	15	29.74	29.93	16	OVC	046			10.00			43	27	37	53	8	10	30.36	30.55
19	OVC	060			10.00		42	24	35	49	9	11	29.76	29.96	19	OVC	038			2.00	+RA BR		38	36	37	93	5	02	30.37	30.56
22	SCT	250			10.00		37	28	34	70	3	07	29.78	29.97	22	OVC	011			2.00	-DZ BR		37	35	36	93	6	33	30.26	30.46
SUNRISE: 0721							JAN 17			SUNSET: 1716																				
01	BKN	250			10.00		35	29	33	79	0	00	29.80	30.00	01	OVC	007			2.00	-RA BR		37	35	36	93	5	01	30.12	30.31
04	OVC	200			10.00		36	31	34	82	0	00	29.84	30.03	04	OVC	020			4.00	-RA BR		37	35	36	93	7	33	30.04	30.24
07	OVC	120			10.00		38	33	36	82	5	VR	29.83	30.03	07	OVC	012			10.00			37	35	36	93	7	28	29.98	30.17
10	OVC	020			10.00		44	38	41	80	5	12	29.88	30.08	10	OVC	004			6.00	BR		39	37	38	93	7	21	29.94	30.14
13	OVC	015			10.00		50	41	46	71	6	13	29.83	30.03	13	OVC	002			3.00	BR		42	41	42	96	9	21	29.84	30.03
16	OVC	150			10.00		54	45	49	72	12	11	29.71	29.91	16	OVC	010			10.00			47	45	46	93	0	00	29.79	29.99
19	OVC	250			10.00		54	47	50	77	13	13	29.65	29.85	19	OVC	010			8.00			47	45	46	93	6	05	29.82	30.01
22	OVC	250			10.00		61	55	58	81	20	15	29.57	29.76	22	OVC	006			7.00			44	43	44	96	0	00	29.82	30.01
SUNRISE: 0720							JAN 18			SUNSET: 1717																				
01	BKN	250			10.00		65	57	60	75	22	16	29.44	29.63	01	OVC	040			10.00			44	40	42	86	7	03	29.83	30.02
04	OVC	050			6.00	-RA BR	60	55	57	84	16	24	29.42	29.61	04	OVC	040			10.00			43	39	41	86	3	04	29.81	30.00
07	OVC	060			4.00	RA BR	54	51	52	90	24	22	29.45	29.64	07	OVC	150			10.00			41	38	40	89	0	00	29.80	30.00
10	BKN	045			10.00	-RA	50	43	47	77	25	26	29.47	29.67	10	BKN	250			10.00			44	33	39	65	8	08	29.83	30.03
13	SCT	041			10.00		48	24	38	39	21	26	29.60	29.80	13	FEW	250			10.00			50	33	43	52	0	00	29.73	29.93
16	SCT	070			10.00		45	18	35	34	21	27	29.78	29.98	16	FEW	250			10.00			53	36	45	53	6	16	29.62	29.82
19	CLR	NC			10.00		42	19	34	40	14	24	29.92	30.11	19	SCT	250			10.00			48	39	44	71	10	18	29.55	29.74
22	CLR	NC			10.00		39	21	33	48	12	25	30.01	30.21	22	FEW	250			10.00			48	41	45	77	10	21	29.53	29.72

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
JANUARY 2006

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)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0717 JAN 25 SUNSET: 1725													
01	OVC	060				48	30	40	50	15	32	29.60	29.79
04	SCT	080				45	26	37	47	9	26	29.60	29.79
07	FEW	070				42	24	35	49	12	26	29.66	29.85
10	SCT	070				46	22	37	39	18	30	29.70	29.90
13	BKN	070				47	19	37	33	20	30	29.71	29.91
16	SCT	080				45	16	35	31	20	31	29.77	29.96
19	FEW	075				41	16	32	36	17	32	29.85	30.04
22	SCT	070				39	17	31	41	16	29	29.92	30.11
SUNRISE: 0716 JAN 26 SUNSET: 1726													
01	FEW	070				36	15	29	42	13	30	29.95	30.14
04	CLR	NC				30	16	26	56	0	00	29.96	30.15
07	FEW	060				30	16	26	56	7	32	30.04	30.24
10	FEW	030				37	15	30	41	14	34	30.14	30.34
13	CLR	NC				43	8	32	24	17	35	30.15	30.35
16	CLR	NC				44	6	32	21	15	33	30.17	30.36
19	CLR	NC				35	9	27	34	8	36	30.26	30.46
22	CLR	NC				30	10	24	43	8	36	30.35	30.55
SUNRISE: 0715 JAN 27 SUNSET: 1727													
01	CLR	NC				30	10	24	43	5	34	30.39	30.58
04	CLR	NC				27	12	23	53	0	00	30.42	30.62
07	CLR	NC				26	12	22	55	0	00	30.45	30.65
10	CLR	NC				36	17	30	46	8	04	30.47	30.66
13	CLR	NC				45	10	33	24	6	34	30.42	30.61
16	CLR	NC				47	7	34	19	0	00	30.35	30.55
19	FEW	250				35	16	29	46	5	16	30.36	30.56
22	CLR	NC				34	15	28	46	3	18	30.34	30.54
SUNRISE: 0715 JAN 28 SUNSET: 1728													
01	FEW	250				32	16	27	52	7	21	30.30	30.50
04	FEW	250				30	15	25	54	7	21	30.27	30.46
07	BKN	200				32	17	27	54	7	20	30.25	30.45
10	FEW	250				46	19	36	34	10	23	30.23	30.42
13	FEW	250				57	22	43	26	5	24	30.15	30.34
16	CLR	NC				62	24	46	23	7	18	30.08	30.27
19	FEW	250				48	26	39	42	6	18	30.06	30.26
22	CLR	NC				44	25	37	47	10	21	30.04	30.24
SUNRISE: 0714 JAN 29 SUNSET: 1729													
01	SCT	200				43	23	35	45	3	15	29.99	30.18
04	BKN	200				41	30	37	65	8	20	29.93	30.13
07	OVC	180				43	36	40	76	6	17	29.88	30.07
10	OVC	150				51	45	48	80	15	18	29.83	30.02
13	OVC	085				58	49	53	72	18	19	29.69	29.88
16	OVC	041				63	50	56	63	21	21	29.59	29.78
19	BKN	200				61	50	55	67	18	21	29.59	29.78
22	CLR	NC				58	50	54	75	12	22	29.60	29.79
SUNRISE: 0713 JAN 30 SUNSET: 1730													
01	SCT	250				55	50	52	83	6	26	29.61	29.80
04	BKN	250			BCFG	48	47	48	96	6	19	29.61	29.80
07	BKN	250			BR	43	43	43	100	3	19	29.63	29.82
10	BKN	250			BR	52	51	51	96	6	23	29.65	29.84
13	OVC	250				65	41	53	42	0	00	29.58	29.77
16	OVC	250				64	43	53	47	6	18	29.53	29.72
19	OVC	250				53	41	47	64	6	13	29.49	29.69
22	BKN	250				53	45	49	74	0	00	29.44	29.63

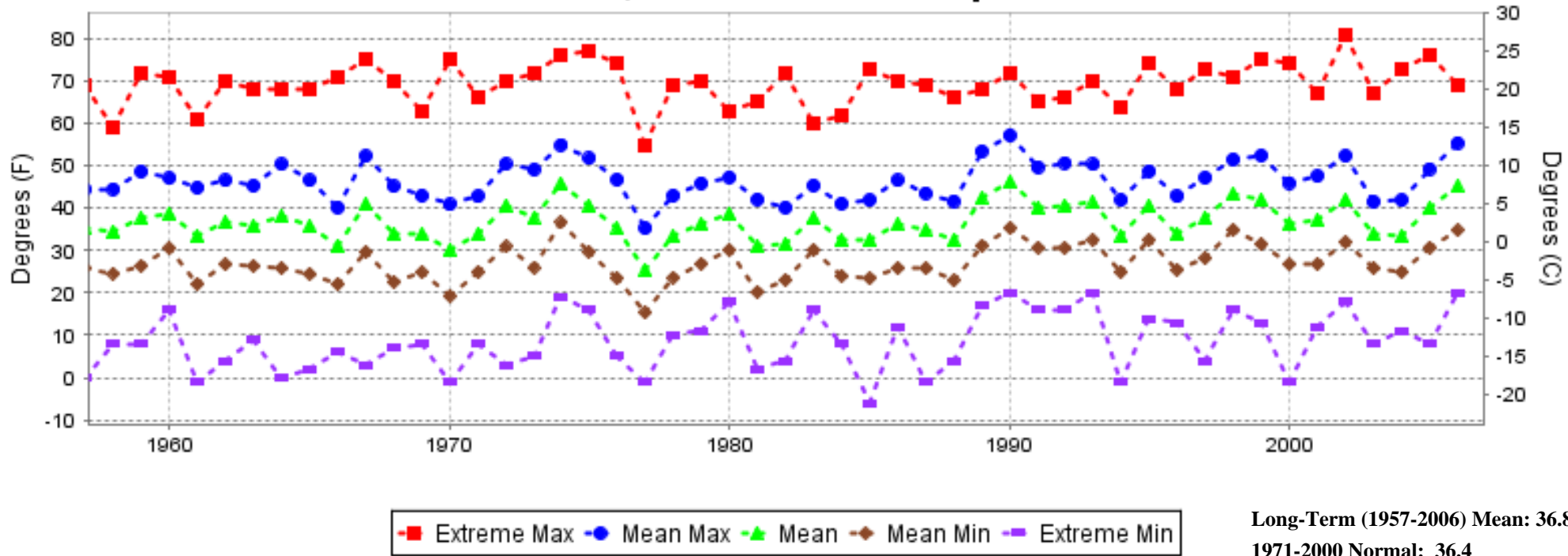
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0712 JAN 31 SUNSET: 1731													
01	BKN	250				46	43	45	89	0	00	29.39	29.57
04	OVC	100			-TSRA	49	46	48	89	10	31	29.36	29.54
07	OVC	030			-RA	49	46	48	89	18	36	29.37	29.56
10	BKN	150				45	37	41	74	23	34	29.47	29.66
13	SCT	075				51	35	44	54	15	35	29.52	29.71
16	SCT	050				53	31	43	43	13	36	29.60	29.79
19	SCT	200				46	27	38	48	9	32	29.71	29.91
22	CLR	NC				40	27	35	60	8	33	29.79	29.98

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.

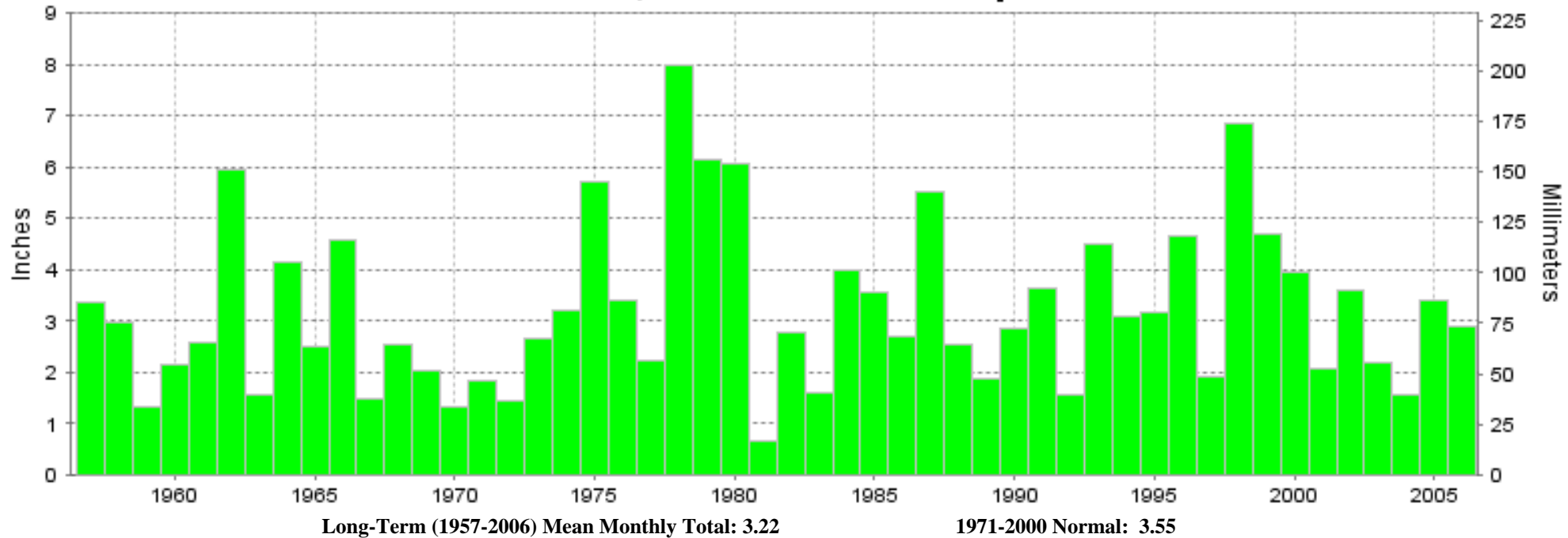
SUMMARY BY HOUR

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			42	33	39	71	29.84	30.03	8.97	7	1	25
02			42	33	38	73	29.84	30.03	8.52	7	2	25
03			41	33	38	74	29.84	30.04	8.64	7	2	25
04			40	33	38	76	29.84	30.03	8.31	6	2	26
05			40	33	38	76	29.84	30.03	7.84	7	3	26
06			40	33	37	78	29.85	30.05	7.86	6	2	25
07			39	32	37	78	29.85	30.06	8.10	7	2	26
08			40	33	37	79	29.87	30.07	7.78	7	2	25
09			43	34	39	73	29.88	30.08	8.34	8	2	26
10			45	34	41	67	29.89	30.09	8.67	10	2	26
11			47	34	42	63	29.88	30.09	8.77	10	3	26
12			49	33	43	59	29.86	30.06	8.85	11	4	26
13			51	33	43	55	29.84	30.04	9.52	10	4	26
14			52	33	44	53	29.82	30.02	9.39	12	5	26
15			53	33	44	51	29.82	30.01	9.63	12	4	26
16			52	33	44	52	29.82	30.03	9.55	10	3	26
17			50	33	43	56	29.83	30.03	9.66	10	3	26
18			47	33	42	62	29.84	30.04	9.66	9	1	24
19			46	34	41	66	29.84	30.05	9.37	9	1	22
20			46	34	41	66	29.85	30.05	9.40	10	0	18
21			45	33	40	66	29.85	30.05	9.42	10	1	25
22			44	33	40	68	29.85	30.05	9.35	9	2	25
23			44	33	40	69	29.85	30.04	9.39	8	2	25
24			43	33	39	69	29.84	30.04	9.29	8	1	24

RICHMOND, VA JANUARY Temperatures



RICHMOND, VA JANUARY Precipitation





**JANUARY 2006
RICHMOND, VA**

**LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center**

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