



OCTOBER 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	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			
20	21	22	23	24																				
01	79	59	69	5	54	59	0	4	RA BR			0.0	0.02	29.86	30.07	2.4	29	5.8	18	28	15	27	01	
02	79	51	65	2	50	57	0	0	MIFG			0.0	0.00	30.03	30.23	2.6	26	3.8	15	28	13	28	02	
03	83	57	70	7	55	60	0	5	MIFG			0.0	0.00	30.03	30.22	6.2	20	6.5	17	20	15	19	03	
04	87*	59	73	11	61	65	0	8				0.0	0.00	29.93	30.11	6.7	22	7.2	16	21	14	21	04	
05	80	64	72	10	60	64	0	7	RA BR HZ			0.0	T	29.89	30.09	5.8	06	7.6	18	03	16	04	05	
06	65	54	60	-2	55	56	5	0	RA BR			0.0	2.83	29.93	30.11	14.5	03	15.5	32	02	25	02	06	
07	62	55	59	-2	54	56	6	0	TSRA RA DZ BR			0.0	1.34	29.97	30.18	13.9	02	15.1	37	03	29	03	07	
08	70	55	63	2	56	58	2	0	DZ BR			0.0	T	30.09	30.27	7.5	02	7.6	20	02	16	02	08	
09	77	53	65	4	51	56	0	0	BCFG BR			0.0	0.00	29.97	30.15	4.5	03	5.0	18	04	15	03	09	
10	82	54	68	7	56	60	0	3	BR			0.0	0.00	29.82	30.00	2.6	03	3.2	13	02	10	05	10	
11	74	58	66	6	61	63	0	1	FG BR HZ			0.0	0.00	29.64	29.80	1.3	15	2.4	10	13	8	18	11	
12	76	55	66	6	50	58	0	1				0.0	0.00	29.47	29.68	8.4	25	11.0	26	26	21	33	12	
13	61	41	51	-8	29	42	14	0				0.0	0.00	29.73	29.94	0.7	34	5.1	18	03	14	03	13	
14	64	38	51	-8	31	42	14	0				0.0	0.00	29.75	29.96	3.7	27	4.7	23	26	18	25	14	
15	65	37	51	-7	33	43	14	0				0.0	0.00	29.93	30.14	1.8	23	2.5	15	23	13	24	15	
16	69	40	55	-3	42	49	10	0				0.0	0.00	30.06	30.26	3.7	15	4.6	17	15	14	16	16	
17	67	56	62	4	58	60	3	0	RA BR			0.0	0.42	29.86	30.02	6.9	17	7.4	20	19	16	18	17	
18	82	63	73*	15	63	66	0	8	FG+ BR			0.0	0.00	29.68	29.87	1.2	24	3.2	12	32	9	36	18	
19	76	61	69	11	62	64	0	4	RA FG+ FG BR HZ			0.0	T	29.65	29.82	4.6	15	5.1	14	19	12	17	19	
20	78	48	63	6	53	59	2	0	RA BR HZ			0.0	0.11	29.46	29.68	6.8	28	11.1	32	25	26	25	20	
21	63	43	53	-3	38	46	12	0				0.0	0.00	29.89	30.08	2.2	36	3.5	18	02	14	02	21	
22	58	40	49	-7	47	50	16	0	RA DZ BR HZ			0.0	0.05	29.78	29.95	4.4	21	4.9	15	18	13	18	22	
23	58	43	51	-5	32	43	14	0				0.0	0.00	29.68	29.89	9.6	32	10.0	26	30	20	32	23	
24	56	37	47	-8	25	38	18	0				0.0	0.00	29.78	29.99	10.9	29	11.5	31	32	25	31	24	
25	58	36	47*	-8	28	39	18	0				0.0	0.00	29.93	30.14	8.0	31	9.7	25	31	21	35	25	
26	60	36*	48	-7	31	42	17	0	RA			0.0	T	30.03	30.22	4.1	32	6.2	17	30	14	29	26	
27	63	50	57	3	45	49	8	0	RA BR			0.0	0.43	29.88	30.01	8.0	14	8.5	25	14	22	14	27	
28	72	51	62	8	45	54	3	0	RA BR			0.0	0.92	29.26	29.48	11.5	25	15.3	38*	27	30	26	28	
29	68	41	55	1	34	45	10	0				0.0	0.00	29.67	29.90	10.7	24	11.5	36	28	30*	26	29	
30	73	39	56	2	42	49	9	0				0.0	0.00	29.91	30.12	3.0	15	3.5	12	17	9	14	30	
31	76	50	63	9	46	54	2	0				0.0	0.00	29.86	30.05	8.5	21	8.9	26	21	23	23	31	

70.4	49.2	59.8	☼	46.7	53.1	6.4	1.3	< MONTHLY AVERAGES TOTALS >				0.0	6.12	29.82	30.01	1.6	28	7.4	< MONTHLY AVERAGES			
1.1	2.0	1.5		-----DEPARTURE FROM NORMAL ----->				2.52	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 2.83 DATE : 06				SEA LEVEL PRESSURE			
MONTHLY				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.34 DATE 08 TIME 1125			
SEASON TO DATE				GREATEST SNOW DEPTH :				MINIMUM : 29.33 DATE 28 TIME 0654			
TOTAL DEPARTURE		TOTAL DEPARTURE		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 8	
HEATING : 197		-28		213		-40		MAXIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.10 INCH: 6	
COOLING : 41		8		1685		257		THUNDERSTORMS : 1		HEAVY FOG : 2	
										SNOWFALL >= 1.0 INCH : 0	

**OCTOBER 2006
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
OCTOBER 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				T	0.02	T							01												01	0.02	0.02	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05										T		05	T	T	
06	0.08	0.31	0.11	0.02	0.14	0.17	0.47	0.30	0.14	0.06	0.01	T	06	0.02	T	0.01	0.01	0.02	0.04	0.06	0.43	0.13	0.13	0.16	0.01	06	2.83	2.83
07	0.04	0.03	T	T	0.04	0.07	0.29	0.07	0.14	0.16	0.12	0.06	07	0.21	T	0.01	0.04	0.01	0.01	T	0.01	0.01	0.01	0.01	T	07	1.34	1.34
08							T	T	T				08												08	T	T	
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												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17						T	T	0.03	0.02	0.09	0.12	0.03	17	0.01	0.01	0.09	T	T	T	T	0.01	T	T	0.01	17	0.42	0.42	
18													18												18	0.00	0.00	
19													19				T	T							19	T	T	
20		T	T	0.04	0.03	0.02	0.02						20									T			20	0.11	0.11	
21													21												21	0.00	0.00	
22											0.03	0.02	22	T	T	T	T		T	T	T			22	0.05	0.05		
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26										T		26	T	T	
27										0.01	0.01	0.01	27	0.03	T	T	0.03	0.05	0.04	0.02	0.03	0.08	0.05	0.01	0.06	27	0.43	0.43
28	0.04	0.11	0.33	0.13	0.02		0.29	T					28												28	0.92	0.92	
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)	0.20	0.26	0.28	0.29	0.33	0.44	0.50	0.60	0.69	0.79	0.85	0.96
Ending Date	28	28	28	28	06	06	06	06	06	06	06	06
Ending Time (Hr/Min)	0651	0651	0655	0655	1950	0709	0720	0723	0740	0801	0821	0807

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 OCTOBER 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							5.00	10.00	
02							7.00	10.00	
03							7.00	10.00	
04							7.00	10.00	
05							5.00	10.00	
06							2.00	10.00	
07							0.75	10.00	
08							2.00	10.00	
09							5.00	10.00	
10							6.00	10.00	
11							1.00	10.00	
12							7.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							9.00	10.00	
17							2.00	10.00	
18							2.00	10.00	
19							0.00	10.00	
20							2.50	10.00	
21							9.00	10.00	
22							2.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							3.00	10.00	
28							2.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.01	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		
1			11				16		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

OCTOBER 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)		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: 0604						OCT 01						SUNSET: 1751															
01	OVC	250			10.00							01	OVC	011			4.00	-RA BR	56	52	54	87	17	03	29.90	30.09	
04	OVC	250			10.00	-RA						04	OVC	013			6.00	-RA BR	57	53	55	87	21	04	29.85	30.04	
07	BKN	100			5.00	BR						07	OVC	012			2.00	RA BR	56	53	54	90	10	30	29.96	30.15	
10	SCT	100			10.00							10	OVC	034			1.75	-RA BR	55	52	53	90	15	33	30.00	30.19	
13	FEW	045			10.00							13	BKN	050			10.00	-RA	57	54	55	90	25	02	29.97	30.16	
16	SCT	060			10.00							16	OVC	070			5.00	-RA BR	59	55	57	87	17	03	30.01	30.20	
19	BKN	070			10.00							19	OVC	005			3.00	-RA BR	60	56	58	87	13	02	30.05	30.24	
22	SCT	070			10.00							22	OVC	012			3.00	-RA BR	62	59	60	90	10	03	30.09	30.28	
SUNRISE: 0605						OCT 02						SUNRISE: 0610															
01	CLR	NC			10.00							01	OVC	021			6.00	BR	60	57	58	90	15	02	30.08	30.27	
04	CLR	NC			8.00							04	OVC	012			9.00		59	55	57	87	9	01	30.08	30.28	
07	CLR	NC			10.00	MIFG						07	OVC	010			2.50	-DZ BR	57	54	55	90	10	01	30.12	30.31	
10	CLR	NC			10.00							10	OVC	006			5.00	BR	60	56	58	87	8	01	30.15	30.34	
13	FEW	250			10.00							13	OVC	027			10.00		67	57	61	70	10	03	30.11	30.30	
16	CLR	NC			10.00							16	BKN	200			10.00		68	56	61	66	3	03	30.05	30.24	
19	CLR	NC			10.00							19	BKN	250			10.00		61	57	59	87	5	04	30.04	30.23	
22	CLR	NC			10.00							22	FEW	120			10.00		57	53	55	87	5	02	30.04	30.23	
SUNRISE: 0605						OCT 03						SUNRISE: 0611															
01	SCT	250			10.00							01	CLR	NC			8.00		54	51	52	90	3	01	30.00	30.19	
04	BKN	130			10.00							04	FEW	110			7.00	BCFG	53	51	52	93	6	02	30.00	30.19	
07	SCT	250			7.00	MIFG						07	SCT	250			5.00	BR	55	51	53	86	6	36	30.00	30.19	
10	FEW	250			10.00							10	SCT	250			10.00		67	54	60	63	8	05	30.01	30.20	
13	FEW	250			10.00							13	SCT	250			10.00		75	53	62	46	9	02	29.96	30.14	
16	SCT	250			10.00							16	FEW	250			10.00		76	46	59	35	8	03	29.90	30.09	
19	BKN	250			10.00							19	FEW	100			10.00		63	53	57	70	3	05	29.92	30.11	
22	FEW	250			10.00							22	SCT	250			10.00		58	50	54	75	0	00	29.92	30.11	
SUNRISE: 0606						OCT 04						SUNRISE: 0612															
01	FEW	250			10.00							01	FEW	120			10.00		56	51	53	83	0	00	29.88	30.07	
04	CLR	NC			10.00							04	CLR	NC			10.00		54	50	52	86	6	36	29.85	30.04	
07	SCT	250			7.00							07	FEW	120			10.00		54	50	52	86	0	00	29.86	30.05	
10	FEW	250			10.00							10	FEW	250			10.00		74	56	63	54	7	02	29.85	30.04	
13	CLR	NC			10.00							13	FEW	250			10.00		81	58	67	46	7	03	29.79	29.98	
16	SCT	250			10.00							16	SCT	250			10.00		81	58	67	46	6	05	29.77	29.96	
19	SCT	250			9.00							19	SCT	250			10.00		68	61	64	78	0	00	29.76	29.95	
22	CLR	NC			9.00							22	SCT	250			7.00		64	59	61	84	0	00	29.76	29.95	
SUNRISE: 0607						OCT 05						SUNRISE: 0613															
01	BKN	250			8.00							01	SCT	250			6.00	BR	59	56	57	90	5	14	29.71	29.91	
04	OVC	200			6.00	HZ						04	BKN	250			5.00	BR	59	56	57	90	0	00	29.70	29.89	
07	BKN	250			6.00	BR						07	OVC	250			1.00	BR	60	57	58	90	0	00	29.69	29.89	
10	BKN	250			10.00							10	OVC	250			3.00	HZ	69	61	64	76	0	00	29.67	29.85	
13	BKN	049			10.00							13	OVC	200			10.00		73	64	67	74	0	00	29.61	29.80	
16	SCT	090			10.00							16	OVC	200			10.00		73	65	68	76	3	20	29.54	29.73	
19	BKN	150			10.00							19	BKN	250			6.00	BR	67	63	65	87	3	14	29.52	29.71	
22	OVC	017			10.00							22	SCT	130			3.00	BR	63	61	62	93	0	00	29.50	29.69	
SUNRISE: 0608						OCT 06						SUNRISE: 0614															
01	OVC	017			10.00	-RA						01	SCT	250			7.00		64	60	62	87	8	17	29.44	29.62	
04	OVC	005			10.00							04	SCT	045			7.00		64	60	62	87	9	20	29.39	29.57	
07	OVC	024			2.00	+RA BR						07	SCT	200			8.00		65	61	63	87	10	24	29.44	29.62	
10	OVC	016			2.00	RA BR						10	SCT	028			10.00		73	57	63	57	13	26	29.47	29.66	
13	OVC	019			5.00	-RA BR						13	SCT	055			10.00		74	48	59	40	14	26	29.47	29.65	
16	OVC	020			9.00	-RA						16	FEW	065			10.00		74	46	59	37	11	25	29.49	29.68	
19	OVC	014			4.00	RA BR						19	SCT	110			10.00		65	48	56	54	8	22	29.53	29.72	
22	OVC	010			2.50	RA BR						22	FEW	095			10.00		58	36	48	44	7	33	29.63	29.82	

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

OCTOBER 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)		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: 0614						OCT 13						SUNSET: 1734						SUNRISE: 0620						OCT 19						SUNSET: 1726					
01	BKN	090			10.00							01	CLR	NC				2.50	BR				63	60	61	90	5	13	29.69	29.88					
04	BKN	090			10.00							04	VV	001				0.12	FG				62	60	61	93	3	20	29.69	29.88					
07	BKN	070			10.00							07	VV	001				0.12	FG				63	61	62	93	3	15	29.69	29.88					
10	BKN	075			10.00							10	OVC	003				3.00	BR				67	64	65	90	5	17	29.69	29.88					
13	SCT	250			10.00							13	BKN	100				9.00					75	64	68	69	8	16	29.64	29.83					
16	SCT	095			10.00							16	OVC	140				10.00					73	63	67	71	8	13	29.59	29.78					
19	FEW	050			10.00							19	OVC	120				6.00	HZ				68	63	65	84	6	14	29.57	29.76					
22	CLR	NC			10.00							22	OVC	110				6.00	HZ				68	63	65	84	7	16	29.52	29.70					
SUNRISE: 0615						OCT 14						SUNRISE: 0621						OCT 20						SUNSET: 1724											
01	CLR	NC			10.00							01	OVC	100				5.00	BR				68	64	66	87	6	16	29.44	29.62					
04	CLR	NC			10.00							04	OVC	005				3.00	-RA BR				69	65	66	87	6	17	29.34	29.52					
07	CLR	NC			10.00							07	BKN	090				4.00	BR				69	66	67	90	9	25	29.33	29.51					
10	CLR	NC			10.00							10	SCT	020				10.00					76	63	68	64	21	25	29.36	29.55					
13	CLR	NC			10.00							13	SCT	047				10.00					74	50	60	43	20	29	29.44	29.62					
16	CLR	NC			10.00							16	FEW	060				10.00					71	42	56	35	15	29	29.53	29.72					
19	CLR	NC			10.00							19	FEW	050				10.00					60	41	51	50	10	36	29.65	29.84					
22	CLR	NC			10.00							22	CLR	NC				10.00					53	42	48	66	5	33	29.74	29.93					
SUNRISE: 0616						OCT 15						SUNRISE: 0622						OCT 21						SUNSET: 1723											
01	CLR	NC			10.00							01	CLR	NC				10.00					49	42	46	77	6	35	29.76	29.95					
04	CLR	NC			10.00							04	CLR	NC				10.00					45	39	42	80	5	36	29.81	30.00					
07	FEW	250			10.00							07	CLR	NC				10.00					44	38	41	80	0	00	29.89	30.09					
10	BKN	250			10.00							10	SCT	250				10.00					57	35	47	44	13	01	29.95	30.14					
13	SCT	250			10.00							13	FEW	055				10.00					61	35	49	38	6	22	29.91	30.10					
16	SCT	250			10.00							16	CLR	NC				10.00					62	35	49	37	0	00	29.89	30.09					
19	SCT	200			10.00							19	CLR	NC				10.00					52	43	48	72	0	00	29.92	30.11					
22	CLR	NC			10.00							22	CLR	NC				9.00					47	41	44	80	0	00	29.92	30.11					
SUNRISE: 0617						OCT 16						SUNRISE: 0623						OCT 22						SUNSET: 1722											
01	SCT	250			10.00							01	CLR	NC				10.00					44	39	42	83	0	00	29.90	30.09					
04	FEW	250			10.00							04	CLR	NC				10.00					41	37	39	86	0	00	29.86	30.06					
07	BKN	200			10.00							07	BKN	250				8.00					45	40	43	83	0	00	29.86	30.06					
10	BKN	250			10.00							10	OVC	200				10.00					53	45	49	74	6	21	29.83	30.02					
13	OVC	250			9.00							13	OVC	075				10.00	-RA				56	50	53	80	9	19	29.74	29.93					
16	OVC	250			10.00							16	OVC	007				6.00	BR				56	52	54	87	7	21	29.69	29.88					
19	OVC	250			10.00							19	OVC	004				3.00	-DZ BR				58	54	56	87	9	20	29.64	29.83					
22	OVC	130			10.00							22	OVC	018				8.00					59	54	56	84	6	22	29.63	29.82					
SUNRISE: 0618						OCT 17						SUNRISE: 0624						OCT 23						SUNSET: 1720											
01	OVC	150			10.00							01	BKN	100				10.00					57	49	53	75	8	30	29.62	29.82					
04	OVC	140			10.00							04	FEW	090				10.00					51	40	46	66	14	36	29.66	29.85					
07	OVC	090			10.00							07	FEW	090				10.00					46	33	40	61	9	30	29.71	29.90					
10	OVC	055			2.50							10	CLR	NC				10.00					55	31	44	40	11	32	29.72	29.91					
13	OVC	060			2.00							13	BKN	060				10.00					55	31	44	40	13	32	29.68	29.87					
16	OVC	055			2.50							16	OVC	070				10.00					53	31	43	43	9	31	29.67	29.86					
19	OVC	070			7.00							19	OVC	055				10.00					50	31	42	48	10	32	29.72	29.91					
22	OVC	012			7.00							22	OVC	085				10.00					46	24	37	42	16	34	29.76	29.95					
SUNRISE: 0619						OCT 18						SUNRISE: 0625						OCT 24						SUNSET: 1719											
01	OVC	003			6.00							01	BKN	080				10.00					41	24	35	51	10	30	29.74	29.93					
04	OVC	007			2.00							04	BKN	080				10.00					39	24	33	55	9	27	29.73	29.93					
07	OVC	012			7.00							07	BKN	100				10.00					38	25	33	60	10	27	29.76	29.95					
10	BKN	010			10.00							10	CLR	NC				10.00					49	27	40	43	17	31	29.77	29.96					
13	SCT	030			10.00							13	SCT	040				10.00					54	25	42	33	16	30	29.75	29.95					
16	FEW	040			10.00							16	BKN	070				10.00					54	24	42	31	15	30	29.79	29.98					
19	SCT	040			10.00							19	FEW	070				10.00					48	24	38	39	10	29	29.85	30.05					
22	CLR	NC			7.00							22	CLR	NC				10.00					44	26	37	49	7	27	29.90	30.09					

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

OCTOBER 2006

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: 0626						OCT 25						SUNSET: 1718					
01	CLR	NC			10.00	40	27	35	60	8	27	29.89	30.09				
04	FEW	050			10.00	40	26	35	57	8	26	29.90	30.09				
07	BKN	060			10.00	42	28	36	58	7	27	29.94	30.14				
10	SCT	150			10.00	52	30	43	43	14	30	29.96	30.15				
13	SCT	055			10.00	56	27	44	33	14	33	29.92	30.12				
16	FEW	065			10.00	56	27	44	33	10	36	29.92	30.11				
19	CLR	NC			10.00	47	29	40	50	8	32	29.96	30.16				
22	CLR	NC			10.00	41	29	36	62	8	36	30.01	30.21				
SUNRISE: 0627						OCT 26						SUNSET: 1717					
01	CLR	NC			10.00	41	29	36	62	6	34	30.02	30.21				
04	CLR	NC			10.00	37	29	34	73	3	36	30.04	30.23				
07	CLR	NC			10.00	38	29	34	70	5	31	30.06	30.25				
10	CLR	NC			10.00	53	29	43	40	9	34	30.07	30.27				
13	CLR	NC			10.00	58	30	46	35	14	30	30.01	30.21				
16	FEW	140			10.00	60	29	46	31	8	33	29.98	30.17				
19	OVC	120			10.00	52	38	45	59	0	00	30.01	30.20				
22	OVC	090			10.00	51	37	45	59	0	00	30.01	30.21				
SUNRISE: 0628						OCT 27						SUNSET: 1716					
01	OVC	050			10.00	50	37	44	61	3	14	30.01	30.20				
04	OVC	065			10.00	50	37	44	61	3	12	29.96	30.15				
07	OVC	080			10.00	50	42	46	74	3	12	29.96	30.15				
10	OVC	065			10.00	53	45	49	74	5	16	29.97	30.16				
13	OVC	055			3.00	52	47	49	83	8	06	29.88	30.07				
16	OVC	046			3.00	52	47	49	83	10	15	29.81	30.00				
19	OVC	027			3.00	51	47	49	86	16	14	29.68	29.87				
22	OVC	007			3.00	57	53	55	87	17	15	29.54	29.73				
SUNRISE: 0629						OCT 28						SUNSET: 1714					
01	OVC	012			5.00	63	59	61	87	14	17	29.37	29.56				
04	OVC	012			7.00	66	62	64	87	13	18	29.18	29.37				
07	OVC	033			2.00	69	64	66	84	17	25	29.15	29.33				
10	FEW	075			10.00	69	53	60	57	21	26	29.17	29.35				
13	SCT	060			10.00	69	47	57	46	14	28	29.18	29.36				
16	SCT	065			10.00	64	34	50	33	17	28	29.31	29.48				
19	CLR	NC			10.00	57	26	44	30	15	27	29.44	29.63				
22	CLR	NC			10.00	51	26	41	38	11	27	29.52	29.71				
SUNRISE: 0630						OCT 29						SUNSET: 1713					
01	CLR	NC			10.00	50	25	40	38	9	28	29.58	29.78				
04	CLR	NC			10.00	44	28	38	53	10	21	29.63	29.82				
07	FEW	100			10.00	45	29	38	54	11	22	29.69	29.88				
10	SCT	100			10.00	57	32	46	39	14	23	29.70	29.90				
13	FEW	075			10.00	65	35	50	33	25	26	29.65	29.85				
16	CLR	NC			10.00	68	37	53	32	18	25	29.68	29.87				
19	CLR	NC			10.00	62	39	51	43	9	25	29.76	29.96				
22	CLR	NC			10.00	51	41	46	69	5	28	29.83	30.03				
SUNRISE: 0631						OCT 30						SUNSET: 1712					
01	CLR	NC			10.00	44	40	42	86	5	14	29.88	30.07				
04	CLR	NC			10.00	42	38	40	86	0	00	29.89	30.09				
07	CLR	NC			10.00	41	37	39	86	0	00	29.93	30.13				
10	CLR	NC			10.00	60	44	52	56	0	00	29.97	30.16				
13	CLR	NC			10.00	71	40	55	33	5	VR	29.94	30.13				
16	FEW	250			10.00	72	42	56	34	6	15	29.91	30.10				
19	FEW	250			10.00	58	45	51	62	9	14	29.92	30.11				
22	SCT	250			10.00	55	45	50	69	5	14	29.94	30.13				

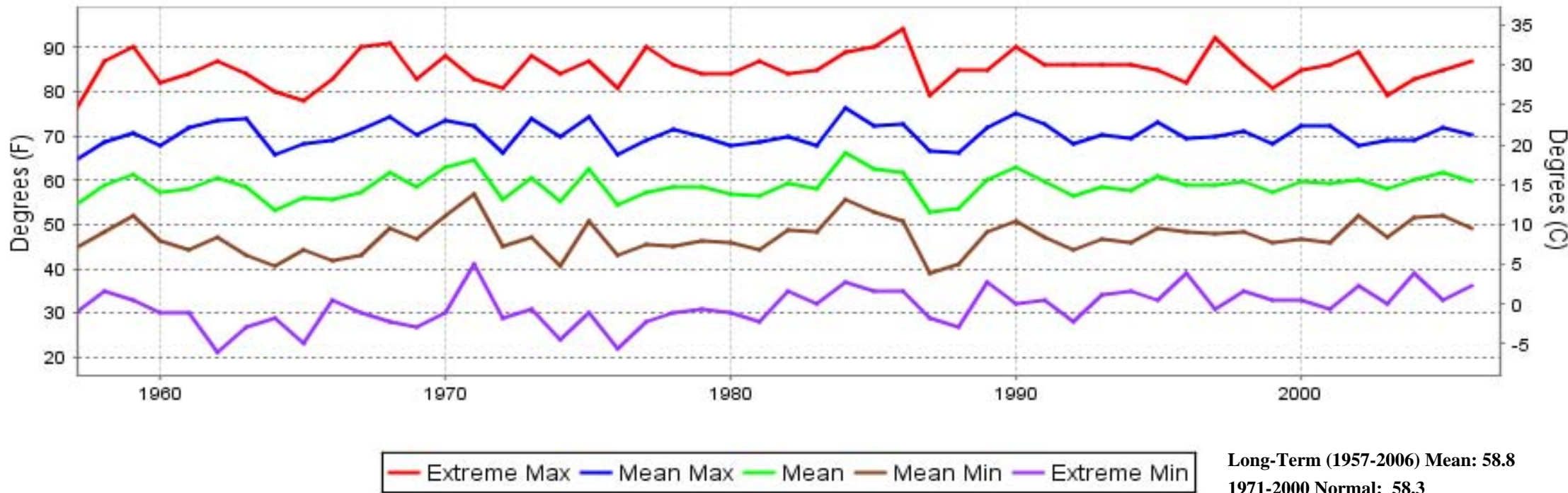
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)						
			Observation Time (LST)	Eff Clد Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL			
SUNRISE: 0632						OCT 31						SUNSET: 1711					
01	FEW	200			10.00	54	46	50	75	3	18	29.92	30.11				
04	SCT	200			10.00	52	46	49	80	3	15	29.91	30.10				
07	BKN	200			10.00	50	44	47	80	0	00	29.91	30.11				
10	BKN	250			10.00	66	48	56	52	9	22	29.89	30.09				
13	BKN	250			10.00	76	46	59	35	17	23	29.81	30.00				
16	BKN	250			10.00	72	46	58	40	11	20	29.79	29.98				
19	BKN	250			10.00	65	46	55	50	9	20	29.80	29.99				
22	OVC	250			10.00	63	46	54	54	10	22	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.

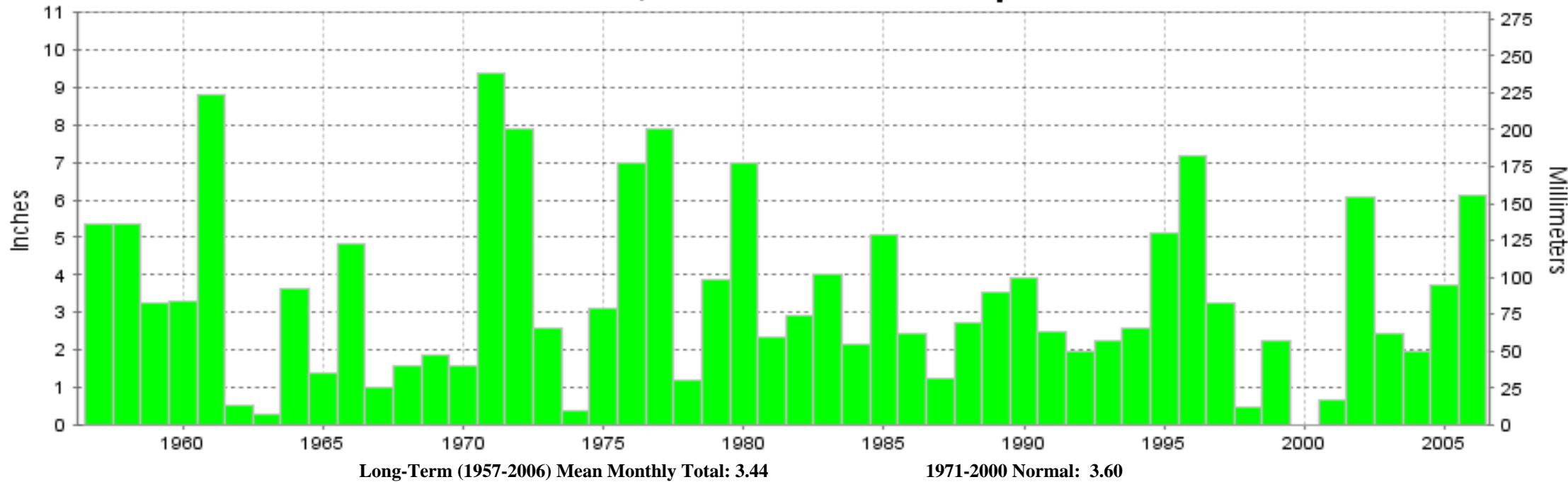
SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	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			55	47	51	76	29.82	30.01	8.63	6	1	25
02			54	46	50	76	29.81	30.01	8.23	6	1	26
03			54	46	50	77	29.81	30.00	8.27	6	1	11
04			53	46	50	79	29.81	30.00	8.39	5	0	18
05			53	46	50	80	29.82	30.01	8.24	5	0	23
06			53	46	50	80	29.83	30.02	7.98	5	2	26
07			53	47	50	80	29.84	30.03	7.31	5	4	27
08			56	48	52	74	29.85	30.04	8.21	6	2	26
09			60	48	54	66	29.85	30.05	8.49	8	3	27
10			63	47	55	59	29.85	30.04	8.62	9	4	27
11			65	46	56	53	29.85	30.04	9.19	10	3	27
12			67	46	56	51	29.83	30.02	8.94	10	4	27
13			68	46	56	50	29.81	30.00	9.29	11	4	27
14			68	46	56	48	29.80	29.99	9.53	11	5	27
15			68	45	56	48	29.79	29.99	9.32	11	4	27
16			68	45	56	48	29.80	29.99	9.21	10	3	27
17			66	46	55	52	29.80	29.99	9.06	9	2	27
18			62	47	54	62	29.81	30.00	8.84	7	0	24
19			60	48	54	66	29.82	30.01	8.74	7	0	24
20			59	47	53	68	29.83	30.02	8.50	6	0	16
21			57	47	52	71	29.83	30.02	8.55	6	0	24
22			57	47	52	72	29.83	30.03	8.53	6	1	25
23			56	47	51	73	29.83	30.02	8.52	6	1	25
24			56	47	51	74	29.82	30.01	8.44	6	2	26

RICHMOND, VA OCTOBER Temperatures



RICHMOND, VA OCTOBER Precipitation





OCTOBER 2006
RICHMOND, VA

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