



SEPTEMBER 2008 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					
																			3-SEC		2-MIN			
01	88	62	75	1	57	64	0	10			0.0	0.00	29.98	30.17	2.4	04	2.7	18	03	12	05	01		
02	90	60	75	1	57	64	0	10			0.0	0.00	29.90	30.08	1.7	01	2.6	14	33	10	36	02		
03	94*	62	78	5	60	67	0	13			0.0	0.00	29.77	29.95	1.2	24	2.6	15	21	10	30	03		
04	91	66	79	6	64	69	0	14	BR HZ		0.0	0.00	29.78	29.98	4.9	19	5.9	16	19	13	19	04		
05	87	65	76	3	69	71	0	11	RA BR		0.0	0.50	29.82	29.99	4.5	11	5.4	20	12	15	12	05		
06	81	69	75	3	71	73	0	10	RA FG BR		0.0	1.99	29.51	29.70	3.6	36	10.9	40*	30	29*	31	06		
07	86	65	76	4	63	67	0	11	BR		0.0	0.00	29.83	30.05	0.7	02	2.9	15	03	13	03	07		
08	88	65	77	5	66	70	0	12	MIFG BR HZ		0.0	0.00	29.96	30.14	4.3	17	5.0	17	19	14	19	08		
09	83	72	78	6	69	72	0	13	RA BR		0.0	0.01	29.86	30.04	4.2	22	5.9	28	31	21	30	09		
10	75	65	70	-1	62	66	0	5	RA BR		0.0	0.46	29.98	30.20	7.7	04	8.1	23	04	16	05	10		
11	77	64	71	0	65	67	0	6	RA		0.0	0.09	30.09	30.28	4.4	09	5.8	20	13	16	14	11		
12	84	67	76	5	68	71	0	11	RA		0.0	0.01	29.98	30.13	4.9	21	6.4	17	23	15	27	12		
13	92	74	83	12	72	75	0	18			0.0	0.00	29.79	29.97	3.8	24	4.9	12	20	10	20	13		
14	92	75	84*	13	70	75	0	19			0.0	0.00	29.67	29.84	12.6	23	12.7	31	21	23	24	14		
15	88	68	78	8	64	69	0	13			0.0	0.00	29.68	29.90	4.1	32	8.1	23	23	18	23	15		
16	73	60	67	-3	59	62	0	2	RA BR		0.0	0.06	29.93	30.13	6.3	03	6.4	17	04	13	03	16		
17	75	57	66	-4	55	60	0	1			0.0	0.00	29.98	30.16	3.9	03	4.5	18	02	15	02	17		
18	82	57	70	0	55	61	0	5			0.0	0.00	29.98	30.18	5.2	05	5.9	21	04	16	03	18		
19	75	54	65	-5	54	59	0	0			0.0	0.00	30.14	30.33	7.8	07	8.1	22	06	17	08	19		
20	72	51*	62	-7	54	57	3	0			0.0	0.00	30.08	30.26	6.7	03	6.9	18	04	14	03	20		
21	78	54	66	-2	55	59	0	1			0.0	0.00	30.06	30.26	2.7	03	3.2	12	02	9	02	21		
22	82	60	71	3	56	62	0	6			0.0	0.00	30.10	30.30	5.1	05	6.0	21	08	16	04	22		
23	75	55	65	-3	56	60	0	0	BR		0.0	0.00	30.18	30.38	8.9	04	9.2	25	03	18	04	23		
24	73	53	63	-4	51	56	2	0			0.0	0.00	30.15	30.33	10.9	05	11.6	29	04	22	05	24		
25	64	58	61*	-6	57	59	4	0	TSRA RA BR		0.0	1.54	29.98	30.14	15.7	04	16.0	31	05	23	05	25		
26	71	64	68	2	66	66	0	3	TS RA DZ BR		0.0	0.60	29.80	29.98	9.9	05	10.3	26	04	20	04	26		
27	82	69	76	10	68	70	0	11	RA BR		0.0	0.01	29.75	29.93	1.5	16	4.0	16	24	13	25	27		
28	80	67	74	8	65	68	0	9	RA		0.0	0.01	29.73	29.92	4.1	31	5.4	20	32	15	32	28		
29	80	62	71	6	61	65	0	6			0.0	0.00	29.81	30.00	4.9	01	5.9	20	01	16	02	29		
30	76	61	69	4	63	65	0	4	TS TSRA GR RA FG+ FG BR		T	0.66	29.70	29.87	3.5	21	4.5	37	30	25	27	30		

81.1	62.7	71.9	☼	61.7	65.6	0.3	7.5	< MONTHLY AVERAGES TOTALS >		T	5.94	29.90	30.08	2.3	04	6.6	< MONTHLY AVERAGES						
1.4	2.8	2.1		<-----DEPARTURE FROM NORMAL----->							1.96	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 2.49				DATE : 05-06				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : T				DATE : 30				MAXIMUM : 30.42				23 1053			
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH :				DATE :				MINIMUM : 29.44				06 1254			
HEATING :		9 -18		9 -19		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 5		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 12											
COOLING :		224 -37		1603 208				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 6											
								THUNDERSTORMS : 3		HEAVY FOG : 1		SNOWFALL >= 1.0 INCH : 0											

**SEPTEMBER 2008
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
SEPTEMBER 2008

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												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05			T	0.08	0.05	T	0.32	0.05				05	0.50	0.50	
06		0.03			0.02	0.10	0.34	0.26	0.09	0.21	0.42	0.45	06	0.07	T	T									06	1.99	1.99	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09	0.01				T							09	0.01	0.01	
10													10								T	0.18	0.28	10	0.46	0.46		
11	0.09	T	T										11												11	0.09	0.09	
12													12	T	T	0.01									12	0.01	0.01	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16	0.01	T										16	0.06	0.06	
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													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	0.04	0.12	0.39	0.13	0.01	0.03	0.01	0.01	0.04	0.21	0.35	0.10	25	1.54	1.54
26	0.19	0.16	0.06	0.03	0.11	0.01	0.02	0.01	0.01	T	T	T	26	T	T	T	T	T							26	0.60	0.60	
27													27												27	0.01	0.01	
28		0.01	T	T	T	T							28												28	0.01	0.01	
29													29												29	0.00	0.00	
30			0.01										30												30	0.66	0.66	

* 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)	0.42	0.58	0.62	0.64	0.65	0.65	0.65	0.73	0.80	0.87	0.99	1.09
Ending Date	30	30	30	30	30	30	30	06	06	06	06	06
Ending Time (Hr/Min)	2314	2316	2316	2316	2316	2316	2316	1136	1147	1136	1136	1201

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 SEPTEMBER 2008

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							10.00	10.00	
03							10.00	10.00	
04							6.00	10.00	
05							3.00	10.00	
06							0.75	10.00	
07							3.00	10.00	
08							2.50	10.00	
09							2.50	10.00	
10							2.00	10.00	
11							9.00	10.00	
12							10.00	10.00	
13							7.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							6.00	10.00	
17							8.00	10.00	
18							8.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							7.00	10.00	
23							3.00	10.00	
24							10.00	10.00	
25							2.00	10.00	
26							1.25	10.00	
27							3.00	10.00	
28							9.00	10.00	
29							10.00	10.00	
30							0.25	10.00	
MONTHLY AVGS							6.44	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 22333				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
1			11				17		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA SEPTEMBER 2008 KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE			WEATHER	TEMPERATURE °F			WIND	PRESSURE (INCHES, HG)		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		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)
SUNRISE: 0539 SEP 01												SUNSET: 1839															
01	CLR	NC			10.00		64	61	62	90	0 00	30.00	30.19	01	CLR	NC			9.00		69	66	67	90	0 00	29.76	29.95
04	CLR	NC			10.00		63	60	61	90	0 00	29.99	30.18	04	CLR	NC			6.00	BR	67	65	66	93	0 00	29.80	29.99
07	FEW	250			10.00		67	60	63	78	3 01	30.02	30.21	07	SCT	140			10.00		69	62	65	79	7 03	29.86	30.05
10	CLR	NC			10.00		82	57	67	43	8 06	30.04	30.23	10	FEW	150			10.00		76	59	66	56	6 05	29.89	30.08
13	CLR	NC			10.00		87	52	66	30	8 02	30.00	30.19	13	FEW	050			10.00		82	61	69	49	3 22	29.86	30.05
16	CLR	NC			10.00		86	51	65	30	0 00	29.94	30.13	16	SCT	045			10.00		85	62	70	46	6 27	29.84	30.03
19	FEW	250			10.00		78	56	65	47	3 09	29.94	30.13	19	FEW	050			10.00		77	64	69	64	0 00	29.87	30.06
22	CLR	NC			10.00		67	58	62	73	0 00	29.97	30.15	22	CLR	NC			9.00		71	66	68	84	3 16	29.91	30.10
SUNRISE: 0540 SEP 02												SUNSET: 1837															
01	CLR	NC			10.00		65	58	61	78	0 00	29.94	30.13	01	CLR	NC			6.00	BR	70	67	68	90	3 19	29.93	30.12
04	CLR	NC			10.00		61	57	59	87	0 00	29.92	30.11	04	CLR	NC			6.00	BR	69	66	67	90	0 00	29.95	30.14
07	CLR	NC			10.00		67	61	63	81	3 33	29.94	30.13	07	FEW	250			2.50	BR	69	67	68	93	0 00	30.00	30.19
10	CLR	NC			10.00		82	56	66	41	7 03	29.95	30.14	10	SCT	140			10.00		82	70	74	67	5 16	30.01	30.19
13	CLR	NC			10.00		87	54	67	32	3 05	29.90	30.09	13	BKN	080			10.00		86	66	73	51	9 19	29.97	30.16
16	CLR	NC			10.00		88	52	66	29	0 00	29.84	30.03	16	SCT	090			10.00		87	66	73	50	6 18	29.92	30.11
19	CLR	NC			10.00		83	57	67	41	0 00	29.82	30.01	19	BKN	250			10.00		78	65	70	64	8 15	29.93	30.11
22	CLR	NC			10.00		70	61	65	73	0 00	29.83	30.02	22	BKN	250			10.00		73	63	67	71	7 16	29.95	30.14
SUNRISE: 0541 SEP 03												SUNSET: 1836															
01	CLR	NC			10.00		70	61	64	73	0 00	29.80	29.99	01	SCT	250			9.00		72	68	69	87	6 18	29.92	30.11
04	CLR	NC			10.00		64	59	61	84	0 00	29.79	29.98	04	OVC	009			3.00	BR	74	71	72	90	6 21	29.87	30.06
07	FEW	250			10.00		66	62	64	87	0 00	29.81	30.00	07	OVC	250			2.50	BR	74	71	72	90	6 18	29.85	30.04
10	FEW	250			10.00		84	61	69	46	5 VR	29.79	29.98	10	OVC	250			9.00		80	71	74	74	11 22	29.87	30.06
13	FEW	250			10.00		91	59	70	34	5 VR	29.76	29.94	13	OVC	150			7.00		79	72	74	79	10 29	29.84	30.03
16	CLR	NC			10.00		92	49	66	23	3 VR	29.71	29.90	16	OVC	250			10.00		81	65	71	58	3 31	29.80	29.99
19	CLR	NC			10.00		82	66	71	58	5 16	29.71	29.90	19	OVC	250			10.00		77	68	71	74	3 21	29.83	30.02
22	CLR	NC			10.00		76	66	70	71	0 00	29.74	29.93	22	OVC	150			7.00		74	71	72	90	3 13	29.86	30.05
SUNRISE: 0542 SEP 04												SUNSET: 1834															
01	CLR	NC			10.00		75	64	68	69	7 25	29.76	29.95	01	BKN	075			5.00	BR	73	70	71	90	3 36	29.88	30.07
04	CLR	NC			10.00		68	63	65	84	0 00	29.76	29.95	04	OVC	042			10.00		70	65	67	84	11 02	29.91	30.10
07	FEW	250			6.00	HZ	70	65	67	84	3 22	29.81	30.00	07	OVC	250			10.00		69	62	65	79	14 02	29.98	30.16
10	CLR	NC			9.00		84	65	71	53	7 24	29.83	30.02	10	OVC	045			10.00		72	60	65	66	11 07	30.04	30.23
13	FEW	250			10.00		90	61	71	38	8 20	29.80	29.98	13	OVC	049			10.00		74	59	65	60	8 08	30.04	30.22
16	BKN	250			10.00		90	62	72	39	10 19	29.77	29.95	16	OVC	150			10.00		73	61	66	66	7 05	30.02	30.21
19	BKN	250			10.00		82	66	71	58	6 16	29.78	29.96	19	OVC	029			10.00		69	61	64	76	7 06	30.04	30.23
22	SCT	250			10.00		77	65	69	67	7 16	29.82	30.01	22	OVC	029			10.00		68	62	64	81	3 04	30.08	30.27
SUNRISE: 0543 SEP 05												SUNSET: 1833															
01	SCT	250			10.00		72	65	68	79	6 19	29.84	30.02	01	OVC	030			9.00		64	62	63	93	6 05	30.08	30.27
04	FEW	250			8.00		68	65	66	90	0 00	29.83	30.01	04	OVC	042			10.00		65	63	64	93	5 02	30.08	30.27
07	BKN	250			3.00	BR	70	67	68	90	0 00	29.86	30.05	07	BKN	065			10.00		67	64	65	90	7 05	30.11	30.29
10	BKN	250			10.00		81	68	72	65	8 15	29.87	30.05	10	OVC	017			10.00		71	66	68	84	7 10	30.14	30.32
13	BKN	150			10.00		84	65	71	53	11 09	29.82	30.01	13	BKN	036			10.00		77	64	69	64	7 12	30.11	30.30
16	OVC	044			5.00	-RA BR	75	71	72	87	7 08	29.79	29.98	16	BKN	060			10.00		76	66	70	71	5 11	30.06	30.25
19	OVC	016			3.00	-RA BR	74	72	73	94	8 06	29.75	29.93	19	SCT	250			10.00		73	65	68	76	0 00	30.07	30.26
22	BKN	014			3.00	BR	75	73	74	94	5 10	29.73	29.92	22	OVC	040			10.00		71	65	67	81	8 14	30.10	30.29
SUNRISE: 0543 SEP 06												SUNSET: 1831															
01	OVC	025			3.00	BR	77	75	76	94	6 13	29.70	29.89	01	OVC	028			10.00		69	65	66	87	0 00	30.08	30.27
04	OVC	150			3.00	BR	77	74	75	91	10 07	29.60	29.79	04	FEW	080			10.00		67	64	65	90	6 13	30.02	30.21
07	OVC	027			2.50	RA BR	77	75	76	94	15 08	29.44	29.63	07	OVC	044			10.00		68	65	66	90	0 00	30.03	30.22
10	OVC	017			2.50	RA BR	78	76	77	94	16 12	29.28	29.47	10	OVC	050			10.00		75	68	70	79	8 20	30.00	30.19
13	BKN	020			10.00	-RA	74	71	72	90	25 34	29.26	29.44	13	OVC	046			10.00	-RA	80	70	73	72	7 19	29.94	30.13
16	BKN	250			10.00		78	68	71	71	18 29	29.48	29.67	16	BKN	150			10.00		84	70	74	63	15 27	29.87	30.06
19	BKN	250			10.00		79	67	71	67	7 30	29.63	29.82	19	BKN	150			10.00		78	70	73	77	6 23	29.85	30.04
22	SCT	250			10.00		70	67	68	90	0 00	29.71	29.90	22	BKN	250			10.00		77	71	73	82	7 22	29.85	30.04

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
SEPTEMBER 2008 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		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0559 SEP 25						SUNSET: 1802							
01	BKN	250				59	49	54	70	11	04	30.07	30.26
04	BKN	150				58	50	54	75	17	04	30.03	30.22
07	OVC	020				59	52	55	78	17	03	30.03	30.23
10	OVC	018				60	56	58	87	11	04	30.03	30.22
13	OVC	010			-RA	61	58	59	90	17	03	29.97	30.16
16	OVC	014			-RA BR	62	60	61	93	18	03	29.87	30.06
19	OVC	010			-RA BR	64	62	63	93	15	05	29.86	30.05
22	OVC	015			+RA BR	64	62	63	93	15	05	29.85	30.05
SUNRISE: 0600 SEP 26						SUNSET: 1801							
01	OVC	033			+RA BR	64	62	63	93	15	02	29.81	30.00
04	OVC	013			-RA	65	63	64	93	13	04	29.78	29.97
07	OVC	004			-RA BR	64	63	63	97	14	06	29.80	30.00
10	OVC	004			BR	66	64	65	93	9	05	29.83	30.02
13	OVC	002			BR	67	66	66	97	9	05	29.79	29.98
16	OVC	010			-RA BR	70	68	69	93	7	04	29.78	29.97
19	OVC	006			BR	70	68	69	93	7	04	29.77	29.96
22	OVC	002			BR	70	69	69	97	7	08	29.79	29.98
SUNRISE: 0601 SEP 27						SUNSET: 1759							
01	OVC	017			BR	71	69	70	93	6	11	29.78	29.96
04	OVC	003			BR	70	68	69	93	6	12	29.75	29.94
07	BKN	020			BR	70	69	69	97	0	00	29.77	29.96
10	SCT	060				75	70	72	85	7	12	29.78	29.97
13	SCT	031				81	66	71	60	6	18	29.73	29.92
16	BKN	150			-RA	76	68	71	76	9	25	29.70	29.88
19	BKN	075				76	67	70	74	3	29	29.73	29.92
22	BKN	200				72	69	70	90	0	00	29.73	29.92
SUNRISE: 0602 SEP 28						SUNSET: 1757							
01	OVC	200				69	66	67	90	0	00	29.73	29.91
04	OVC	085			-RA	69	66	67	90	3	27	29.71	29.90
07	OVC	085				69	66	67	90	0	00	29.73	29.91
10	BKN	080				76	66	70	71	9	25	29.74	29.93
13	BKN	080				76	64	68	67	5	VR	29.72	29.91
16	BKN	150				74	63	67	69	8	30	29.72	29.91
19	BKN	090				73	67	69	82	5	30	29.75	29.93
22	SCT	200				70	63	66	79	7	35	29.78	29.97
SUNRISE: 0603 SEP 29						SUNSET: 1756							
01	CLR	NC				67	63	65	87	7	35	29.79	29.98
04	CLR	NC				65	62	63	90	6	34	29.81	30.00
07	SCT	095				67	61	63	81	6	34	29.85	30.03
10	SCT	026				75	61	66	62	11	02	29.85	30.04
13	SCT	039				79	60	67	52	5	31	29.80	29.99
16	SCT	040				78	60	67	54	10	04	29.78	29.97
19	BKN	070				69	62	65	79	3	09	29.81	30.00
22	BKN	080				66	61	63	84	0	00	29.81	30.00
SUNRISE: 0604 SEP 30						SUNSET: 1754							
01	BKN	095				63	60	61	90	0	00	29.79	29.98
04	OVC	090				64	62	63	93	0	00	29.75	29.94
07	OVC	001			FG	66	64	65	93	5	17	29.75	29.94
10	OVC	015				70	65	67	84	9	24	29.74	29.93
13	OVC	200				72	63	66	73	6	25	29.68	29.87
16	BKN	250				75	66	69	74	6	18	29.60	29.79
19	FEW	150				68	63	65	84	0	00	29.59	29.78
22	BKN	140			BR	65	63	64	93	0	00	29.60	29.79

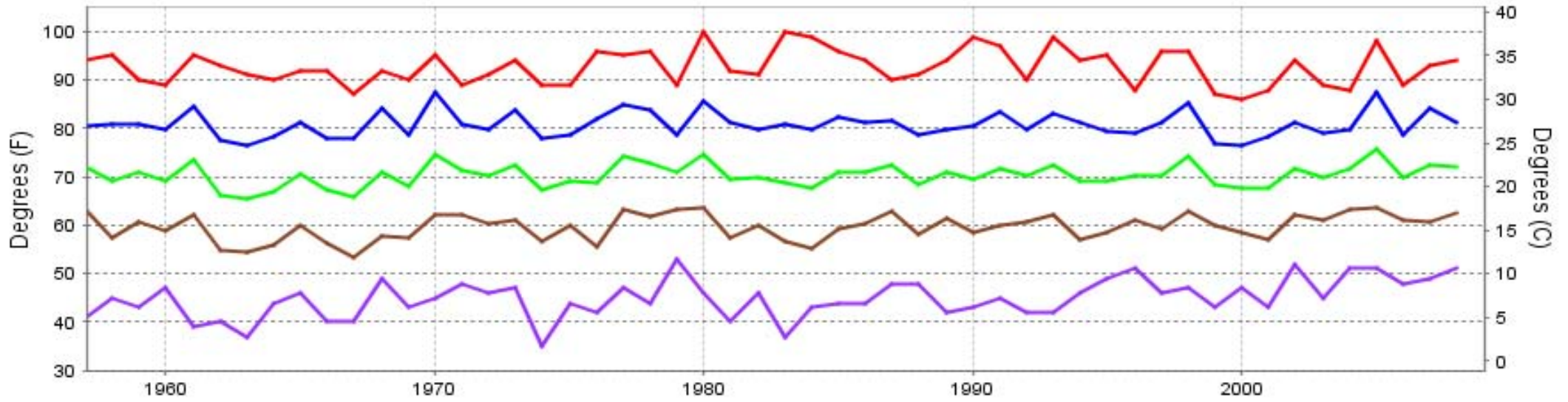
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Clد Amt Oktas		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

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			67	62	64	86	29.91	30.10	8.72	5	1	02
02			66	62	64	87	29.90	30.09	9.00	5	2	05
03			66	62	64	87	29.90	30.09	8.70	5	2	05
04			66	62	63	88	29.90	30.09	8.73	5	2	06
05			65	61	63	88	29.90	30.09	8.40	6	2	05
06			65	61	63	88	29.91	30.10	7.95	6	2	05
07			67	62	64	86	29.92	30.11	7.63	6	2	06
08			69	62	65	79	29.92	30.11	8.67	7	2	06
09			73	63	66	73	29.93	30.12	9.15	8	3	07
10			75	62	67	67	29.93	30.12	9.42	9	3	07
11			77	62	67	62	29.92	30.11	8.94	8	3	07
12			78	61	67	59	29.91	30.10	9.24	9	2	07
13			79	61	67	57	29.89	30.08	9.57	9	3	07
14			80	60	68	55	29.88	30.07	9.22	9	2	05
15			79	60	67	53	29.87	30.06	9.46	9	1	05
16			79	60	67	56	29.87	30.06	9.38	8	2	05
17			78	61	67	59	29.87	30.06	9.60	9	1	05
18			75	62	67	64	29.87	30.06	9.22	7	2	06
19			73	62	66	70	29.88	30.07	9.30	5	2	06
20			71	62	66	75	29.89	30.08	9.14	5	3	07
21			70	62	65	78	29.90	30.09	9.08	4	3	06
22			69	62	65	80	29.90	30.09	8.88	5	3	06
23			68	62	65	83	29.90	30.09	8.61	5	1	04
24			67	62	64	85	29.90	30.09	8.51	5	1	02

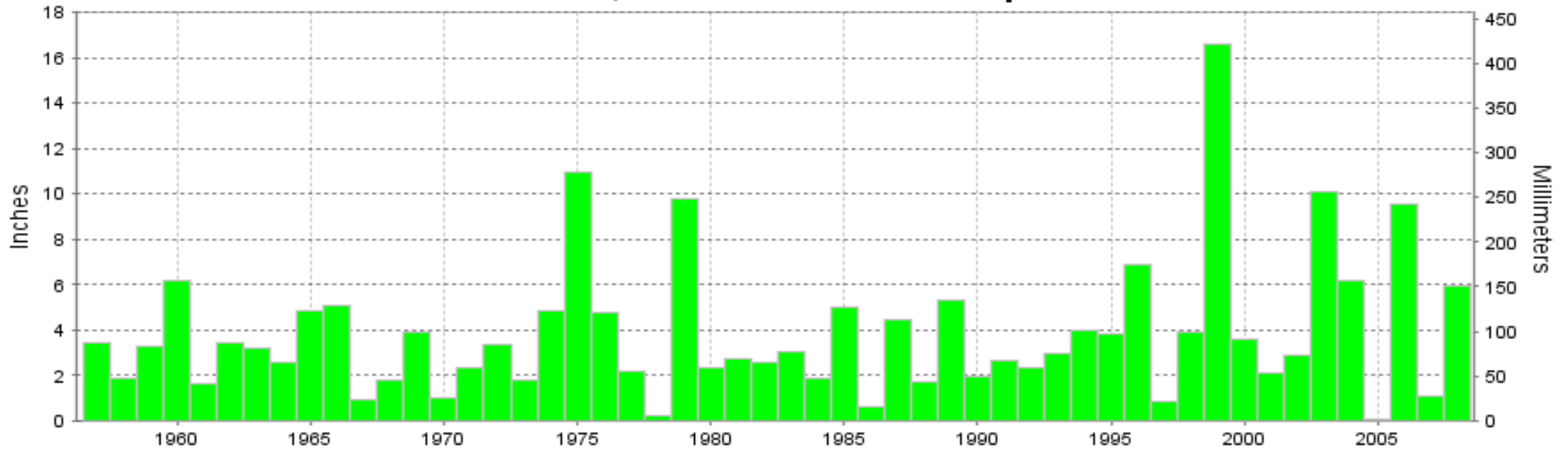
RICHMOND, VA SEPTEMBER Temperatures



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

Long-Term (1957-2008) Mean: 70.3
1971-2000 Normal: 69.8

RICHMOND, VA SEPTEMBER Precipitation



Long-Term (1957-2008) Mean Monthly Total: 3.86

1971-2000 Normal: 3.98



SEPTEMBER 2008
RICHMOND, VA

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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