



AUGUST 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			
11	12	13	14	15	16	17	18	19	20	21	22	23	24											
01	95	74	85*	7	67	72	0	20			0.0	0.00	29.57	29.77	2.1	33	4.6	17	36	13	36	01		
02	96	72	84	6	66	72	0	19			0.0	0.00	29.57	29.75	3.5	30	6.2	26	26	21	28	02		
03	90	67	79	1	59	67	0	14			0.0	0.00	29.70	29.90	5.7	01	6.8	20	01	16	01	03		
04	93	65	79	2	60	67	0	14			0.0	0.00	29.82	30.01	1.5	04	3.3	16	33	12	34	04		
05	90	72	81	4	67	72	0	16	HZ		0.0	0.00	29.78	29.97	1.1	09	2.3	10	27	8	27	05		
06	96	71	84	7	65	71	0	19			0.0	0.00	29.69	29.88	5.1	33	5.8	21	03	16	04	06		
07	92	69	81	4	62	69	0	16	TS RA HZ		0.0	T	29.63	29.80	3.9	30	6.6	38*	02	29*	02	07		
08	88	63	76	-1	56	64	0	11			0.0	0.00	29.60	29.80	7.6	01	7.9	28	01	20	01	08		
09	88	63	76	-1	53	62	0	11			0.0	0.00	29.72	29.91	3.0	02	6.7	22	31	16	29	09		
10	88	65	77	0	60	66	0	12	TS TSRA RA		0.0	T	29.67	29.85	2.3	21	5.2	24	01	21	36	10		
11	84	62	73	-4	52	61	0	8			0.0	0.00	29.66	29.85	7.1	35	8.1	26	36	21	36	11		
12	89	61	75	-2	53	62	0	10			0.0	0.00	29.69	29.87	1.3	02	4.4	21	01	15	02	12		
13	80	66	73	-3	61	66	0	8			0.0	0.00	29.64	29.82	2.9	19	3.5	13	16	10	20	13		
14	90	61	76	0	61	67	0	11	TS BR		0.0	0.00	29.62	29.83	6.8	23	7.3	26	21	22	21	14		
15	88	65	77	1	64	68	0	12	TS TSRA RA BR HZ		0.0	0.10	29.78	29.98	2.2	14	3.3	28	36	21	01	15		
16	90	65	78	2	57	64	0	13	BR HZ		0.0	0.00	29.84	30.03	4.9	02	5.1	21	35	15	02	16		
17	88	63	76	0	60	66	0	11	BR HZ		0.0	0.00	29.85	30.04	1.8	12	3.4	14	12	9	25	17		
18	91	65	78	2	62	68	0	13	BR HZ		0.0	0.00	29.82	30.00	4.9	20	5.5	17	17	13	19	18		
19	96*	68	82	6	56	67	0	17	BR HZ		0.0	0.00	29.81	29.99	1.7	27	4.7	20	25	15	29	19		
20	85	67	76	0	60	66	0	11			0.0	0.00	29.95	30.16	6.5	08	7.8	21	07	14	06	20		
21	87	63	75	-1	58	64	0	10			0.0	0.00	30.05	30.25	5.0	11	6.0	21	15	15	13	21		
22	87	61*	74	-2	59	65	0	9			0.0	0.00	30.09	30.29	5.3	11	6.3	21	04	15	13	22		
23	87	64	76	0	62	67	0	11			0.0	0.00	30.04	30.22	3.8	10	5.8	17	12	14	11	23		
24	90	67	79	3	62	68	0	14			0.0	0.00	29.88	30.05	4.2	18	5.1	17	17	14	17	24		
25	92	68	80	4	66	71	0	15	TS RA		0.0	T	29.74	29.92	5.7	23	6.3	22	26	16	26	25		
26	77	69	73	-3	61	66	0	8	RA		0.0	0.01	29.82	30.02	6.1	06	7.0	23	05	16	06	26		
27	71	67	69*	-6	64	66	0	4	RA BR		0.0	0.39	29.83	30.01	6.6	09	6.8	21	09	15	09	27		
28	79	71	75	0	70	71	0	10	TS TSRA RA BR		0.0	2.34	29.73	29.91	9.5	11	9.6	21	14	16	10	28		
29	87	71	79	4	71	73	0	14	TS TSRA RA BR		0.0	2.88	29.73	29.93	2.0	33	5.4	20	34	12	01	29		
30	89	69	79	4	69	72	0	14	BR		0.0	0.00	29.83	30.03	1.2	06	3.2	10	07	8	07	30		
31	86	65	76	1	64	69	0	11	RA BR		0.0	0.01	29.94	30.15	2.6	07	3.6	17	06	13	05	31		

88.0	66.4	77.2	☼	61.5	67.4	0.0	12.5	< MONTHLY AVERAGES TOTALS >				0.0	5.73	29.78	29.97	1.0	06	5.6	< MONTHLY AVERAGES			
2.3	-0.4	0.9		-----DEPARTURE FROM NORMAL ----->				1.55	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 5.22 DATE : 28-29				SEA LEVEL PRESSURE				DATE TIME										
MONTHLY				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.34				22 1018										
TOTAL DEPARTURE				GREATEST SNOW DEPTH :				MINIMUM : 29.69				02 1654										
SEASON TO DATE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 13				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH: 6						
HEATING : 0 -1 0 -1				MAXIMUM TEMP <= 32 : 4				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH: 3										
COOLING : 386 19 1379 171				THUNDERSTORMS : 7				HEAVY FOG : 0				SNOWFALL >= 1.0 INCH : 0										

AUGUST 2008
RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
AUGUST 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												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	T	T	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	T	T	
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		0.09										15	0.10	0.10	
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													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	T	T	
26													26												26	0.01	0.01	
27		T	0.01	T		T							27												27	0.39	0.39	
28													28												28	2.34	2.34	
29	0.10	0.53	0.83	T	0.62	0.80	0.16	0.12	0.16	0.03	0.03	0.06	29											29	2.88	2.88		
30													30												30	0.00	0.00	
31	0.01												31												31	0.01	0.01	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.30	0.56	0.78	0.90	1.07	1.34	1.42	1.42	1.42	1.44	1.46	2.00
Ending Date	29	29	29	29	29	29	29	29	29	29	29	29
Ending Time (Hr/Min)	0504	0504	0508	0509	0509	0526	0526	0526	0526	0248	0250	0526

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 AUGUST 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:MMENTS, 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							7.00	10.00	
02							7.00	10.00	
03							10.00	10.00	
04							9.00	10.00	
05							6.00	10.00	
06							8.00	10.00	
07							6.00	10.00	
08							6.00	10.00	
09							10.00	10.00	
10							7.00	10.00	
11							7.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							5.00	10.00	
15							4.00	10.00	
16							4.00	10.00	
17							5.00	10.00	
18							3.00	10.00	
19							6.00	10.00	
20							9.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							8.00	10.00	
26							7.00	10.00	
27							3.00	10.00	
28							2.00	10.00	
29							1.00	10.00	
30							4.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							6.74	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 25234				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
0			4				17		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

AUGUST 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)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL																																																																																																																																								
SUNRISE: 0513						AUG 01						SUNSET: 1918						SUNRISE: 0518						AUG 07						SUNSET: 1912																																																																																																																																							
01	FEW	250			9.00		76	71	73	85	8	26	29.56	29.74	01	CLR	NC				8.00		76	67	70	74	3	36	29.69	29.87	04	CLR	NC			7.00		74	71	72	90	5	30	29.56	29.75	07	CLR	NC			10.00		77	69	72	76	5	34	29.58	29.77	10	CLR	NC			10.00		88	66	73	48	8	01	29.62	29.80	13	SCT	065			10.00		91	62	72	38	5	24	29.60	29.78	16	SCT	075			10.00		92	60	71	34	8	31	29.58	29.76	19	SCT	250			10.00		86	67	73	53	3	15	29.57	29.75	22	FEW	250			10.00		81	67	72	63	0	00	29.59	29.78	22	BKN	100			10.00		73	62	66	69	9	08	29.59	29.78															
SUNRISE: 0514						AUG 02						SUNSET: 1917						SUNRISE: 0519						AUG 08						SUNSET: 1911																																																																																																																																							
01	FEW	250			8.00		76	68	71	76	3	21	29.59	29.78	01	CLR	NC				6.00	BR		68	65	66	90	6	01	29.57	29.75	04	BKN	120			8.00		73	68	70	84	0	00	29.57	29.75	07	CLR	NC			10.00		78	67	71	69	8	34	29.61	29.79	10	OVC	250			10.00		84	66	72	55	5	06	29.62	29.80	13	SCT	250			10.00		88	68	74	52	0	00	29.55	29.74	16	BKN	250			10.00		95	58	71	29	16	28	29.50	29.69	19	BKN	250			10.00		89	62	71	41	7	29	29.53	29.72	22	BKN	250			10.00		81	67	72	63	5	36	29.58	29.76	22	CLR	NC			10.00		71	54	61	55	0	00	29.68	29.87														
SUNRISE: 0515						AUG 03						SUNSET: 1916						SUNRISE: 0520						AUG 09						SUNSET: 1910																																																																																																																																							
01	SCT	100			10.00		75	67	70	76	7	36	29.62	29.81	01	CLR	NC				10.00		66	55	60	68	0	00	29.70	29.88	04	CLR	NC			10.00		73	63	67	71	6	34	29.64	29.83	07	SCT	200			10.00		74	60	65	62	14	01	29.69	29.88	10	CLR	NC			10.00		83	62	70	49	9	02	29.73	29.92	13	SCT	065			10.00		88	57	69	35	0	00	29.73	29.91	16	SCT	070			10.00		89	55	68	32	11	01	29.72	29.91	19	FEW	250			10.00		81	56	66	42	7	05	29.74	29.93	22	CLR	NC			10.00		75	59	65	58	3	01	29.78	29.97	22	SCT	250			10.00		72	60	64	71	0	00	29.82	30.01	22	SCT	250			10.00		78	65	70	64	6	11	29.80	29.99
SUNRISE: 0516						AUG 04						SUNSET: 1915						SUNRISE: 0521						AUG 10						SUNSET: 1909																																																																																																																																							
01	SCT	090			10.00		70	60	64	71	0	00	29.82	30.01	01	SCT	200				10.00		68	61	64	78	0	00	29.69	29.88	04	CLR	NC			10.00		66	60	62	81	0	00	29.82	30.01	07	FEW	250			9.00		72	64	67	76	0	00	29.84	30.03	10	FEW	250			10.00		85	60	69	43	5	VR	29.87	30.06	13	SCT	250			10.00		89	57	69	34	0	00	29.82	30.01	16	SCT	250			10.00		93	56	70	29	9	35	29.78	29.97	19	SCT	250			10.00		85	59	69	41	7	06	29.78	29.97	22	SCT	250			10.00		78	65	70	64	6	11	29.80	29.99	22	BKN	120			10.00		73	65	68	41	7	06	29.78	29.97															
SUNRISE: 0516						AUG 05						SUNSET: 1914						SUNRISE: 0522						AUG 11						SUNSET: 1908																																																																																																																																							
01	OVC	130			10.00		76	68	71	76	0	00	29.81	29.99	01	BKN	110				10.00		65	61	63	87	6	21	29.65	29.84	04	BKN	090			7.00		74	69	71	84	3	06	29.78	29.97	07	FEW	100			10.00		78	70	73	77	3	01	29.82	30.01	10	FEW	100			10.00		88	60	70	39	0	00	29.81	30.00	13	SCT	250			10.00		88	63	72	43	3	07	29.81	29.99	16	BKN	085			10.00		88	64	72	45	0	00	29.77	29.95	19	FEW	075			10.00		82	71	74	69	3	14	29.74	29.93	22	CLR	NC			10.00		77	70	72	79	3	13	29.75	29.93	22	CLR	NC			10.00		69	49	58	49	5	33	29.71	29.90															
SUNRISE: 0517						AUG 06						SUNSET: 1913						SUNRISE: 0522						AUG 12						SUNSET: 1907																																																																																																																																							
01	BKN	095			8.00		76	70	72	82	0	00	29.71	29.89	01	CLR	NC				10.00		62	51	56	67	0	00	29.71	29.89	04	CLR	NC			10.00		73	67	69	82	0	00	29.69	29.88	07	CLR	NC			10.00		79	66	70	65	6	32	29.71	29.90	10	BKN	250			10.00		87	64	72	46	9	32	29.72	29.90	13	BKN	250			10.00		90	65	73	44	11	31	29.70	29.88	16	SCT	250			10.00		95	61	73	32	9	33	29.65	29.84	19	SCT	090			10.00		90	62	72	39	6	34	29.65	29.83	22	OVC	090			10.00		83	65	71	55	3	24	29.69	29.88	22	BKN	250			10.00		83	65	71	55	3	24	29.69	29.88															

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
AUGUST 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 Clid 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 Clid Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
SUNRISE: 0523						AUG 13						SUNSET: 1906						SUNRISE: 0528						AUG 19						SUNSET: 1857					
01	SCT	250			10.00		68	58	62	71	0	00	29.67	29.86	01	CLR	NC			10.00		75	65	69	71	10	22	29.81	29.99						
04	BKN	250			10.00		67	58	62	73	0	00	29.65	29.84	04	FEW	150			8.00		73	65	68	76	7	26	29.80	29.98						
07	BKN	250			10.00		69	62	65	79	0	00	29.66	29.85	07	FEW	150			6.00	HZ	73	65	68	76	5	24	29.81	30.00						
10	BKN	250			10.00		75	62	67	64	6	21	29.67	29.85	10	CLR	NC			10.00		88	56	68	34	10	01	29.83	30.01						
13	BKN	250			10.00		78	62	68	58	6	17	29.64	29.83	13	FEW	060			10.00		92	47	65	21	11	23	29.80	29.98						
16	OVC	250			10.00		79	61	68	54	6	20	29.59	29.78	16	FEW	065			10.00		94	41	64	16	5	34	29.77	29.96						
19	BKN	250			10.00		76	63	68	64	3	21	29.59	29.78	19	FEW	070			10.00		87	47	64	25	3	09	29.79	29.98						
22	BKN	250			10.00		73	61	66	66	5	26	29.61	29.80	22	SCT	110			10.00		77	59	66	54	0	00	29.84	30.03						
SUNRISE: 0524						AUG 14						SUNRISE: 1904						SUNRISE: 0529						AUG 20						SUNSET: 1855					
01	SCT	250			10.00		67	60	63	78	3	36	29.59	29.78	01	BKN	110			9.00		74	64	68	71	11	05	29.87	30.05						
04	FEW	250			9.00		63	59	61	87	3	25	29.59	29.78	04	BKN	110			10.00		73	61	66	66	10	06	29.91	30.10						
07	FEW	200			6.00	BR	67	63	65	87	5	25	29.63	29.82	07	FEW	120			10.00		71	55	62	57	10	05	29.97	30.16						
10	BKN	250			10.00		80	62	69	54	7	23	29.65	29.84	10	FEW	250			10.00		77	59	66	54	8	07	30.01	30.20						
13	BKN	250			10.00		85	62	70	46	13	22	29.64	29.83	13	BKN	250			10.00		83	61	69	48	7	08	29.99	30.18						
16	BKN	200			10.00		88	57	68	35	16	24	29.61	29.80	16	BKN	250			10.00		83	59	68	44	6	10	29.96	30.15						
19	SCT	250			10.00		79	62	68	56	7	19	29.65	29.84	19	SCT	250			10.00		76	60	66	58	7	12	29.96	30.15						
22	SCT	250			10.00		74	63	67	69	6	19	29.72	29.91	22	CLR	NC			10.00		69	62	65	79	6	13	30.01	30.20						
SUNRISE: 0525						AUG 15						SUNRISE: 1903						SUNRISE: 0530						AUG 21						SUNSET: 1854					
01	FEW	250			10.00		73	64	67	74	5	25	29.74	29.93	01	CLR	NC			10.00		66	62	64	87	6	07	30.03	30.22						
04	SCT	250			9.00		66	62	64	87	5	18	29.74	29.93	04	CLR	NC			10.00		63	60	61	90	0	00	30.03	30.22						
07	SCT	250			8.00		69	64	66	84	0	00	29.79	29.98	07	BKN	200			10.00		68	64	66	87	6	08	30.06	30.25						
10	OVC	250			10.00		81	65	71	58	0	00	29.80	29.99	10	FEW	040			10.00		79	57	66	47	9	10	30.09	30.28						
13	OVC	250			10.00		84	64	71	51	6	24	29.77	29.96	13	FEW	050			10.00		84	55	66	37	6	VR	30.07	30.26						
16	BKN	250			10.00		76	63	68	64	7	13	29.80	29.99	16	SCT	250			10.00		84	52	65	33	5	18	30.03	30.22						
19	BKN	075			8.00	-RA	72	64	67	76	3	13	29.82	30.01	19	FEW	250			10.00		74	57	64	56	9	13	30.04	30.23						
22	OVC	140			6.00	HZ	71	66	68	84	0	00	29.85	30.03	22	FEW	250			10.00		66	58	61	76	5	13	30.08	30.27						
SUNRISE: 0526						AUG 16						SUNRISE: 1902						SUNRISE: 0531						AUG 22						SUNSET: 1853					
01	BKN	120			6.00	BR	69	65	66	87	5	35	29.84	30.03	01	CLR	NC			10.00		64	58	61	81	0	00	30.09	30.28						
04	BKN	150			4.00	BR	66	63	64	90	3	36	29.81	30.00	04	CLR	NC			10.00		62	59	60	90	7	06	30.09	30.28						
07	SCT	250			6.00	HZ	68	62	64	81	6	36	29.86	30.05	07	SCT	250			10.00		66	61	63	84	5	03	30.12	30.31						
10	BKN	250			10.00		80	58	66	47	6	02	29.88	30.07	10	BKN	250			10.00		76	59	66	56	6	14	30.15	30.34						
13	BKN	250			10.00		86	52	66	31	7	03	29.85	30.04	13	BKN	250			10.00		86	56	67	36	6	12	30.11	30.29						
16	BKN	250			10.00		86	50	65	29	6	35	29.80	29.99	16	BKN	250			10.00		85	56	67	37	14	08	30.06	30.25						
19	FEW	250			10.00		78	53	63	42	6	07	29.81	29.99	19	BKN	250			10.00		77	62	68	60	10	12	30.08	30.27						
22	FEW	090			10.00		68	57	62	68	0	00	29.86	30.04	22	CLR	NC			10.00		70	63	66	79	3	09	30.10	30.29						
SUNRISE: 0527						AUG 17						SUNRISE: 1859						SUNRISE: 0532						AUG 23						SUNSET: 1851					
01	BKN	250			10.00		67	58	62	73	0	00	29.87	30.06	01	CLR	NC			10.00		66	62	64	87	3	06	30.09	30.28						
04	SCT	250			6.00	BR	66	62	64	87	5	02	29.86	30.05	04	CLR	NC			10.00		65	62	63	90	3	35	30.08	30.27						
07	BKN	250			5.00	HZ	69	64	66	84	0	00	29.88	30.07	07	FEW	250			10.00		69	65	66	87	5	04	30.10	30.29						
10	SCT	250			10.00		83	55	66	38	7	09	29.90	30.09	10	BKN	250			10.00		79	62	68	56	6	10	30.09	30.28						
13	BKN	250			10.00		86	55	67	35	7	VR	29.85	30.04	13	BKN	250			10.00		84	63	70	49	8	13	30.02	30.21						
16	OVC	200			10.00		85	57	68	39	6	17	29.79	29.98	16	BKN	250			10.00		84	57	67	40	9	13	29.97	30.16						
19	OVC	250			9.00		80	64	70	58	5	17	29.81	30.00	19	BKN	250			10.00		78	63	68	60	7	13	29.97	30.16						
22	OVC	250			7.00		73	64	67	74	3	15	29.83	30.02	22	BKN	095			10.00		72	63	66	73	7	12	29.98	30.17						
SUNRISE: 0527						AUG 18						SUNRISE: 1858						SUNRISE: 0533						AUG 24						SUNSET: 1850					
01	FEW	120			6.00	HZ	70	64	66	81	0	00	29.84	30.03	01	OVC	095			10.00		70	64	66	81	6	14	29.96	30.15						
04	FEW	200			4.00	BR	68	64	66	87	0	00	29.83	30.02	04	BKN	095			10.00		70	64	66	81	0	00	29.93	30.11						
07	CLR	NC			3.00	HZ	70	65	67	84	3	22	29.85	30.04	07	SCT	250			10.00		71	65	67	81	0	00	29.93	30.12						
10	CLR	NC			8.00		84	62	70	48	7	22	29.86	30.04	10	SCT	250			10.00		81	63	69	54	6	21	29.92	30.11						
13	SCT	070			10.00		89	58	69	35	7	20	29.81	30.00	13	BKN	095			10.00		88	55	68	33	7	VR	29.86	30.04						
16	BKN	090			10.00		89	58	69	35	9	19	29.77	29.96	16	BKN	100			10.00		87	59	69	39	8	19	29.80	29.98						
19	FEW	100			10.00		81	61	68	51	7	18	29.76	29.95	19	SCT	250			10.00		81	60	68	49	9	17	29.78	29.97						
22	CLR	NC			10.00		76	63	68	64	8	18	29.80	29.98	22	FEW	250			10.00		75	67	70	76	9	18	29.80	29.98						

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
AUGUST 2008

KRIC

WBAN # 13740

Table with columns: HOUR (LST), SKY COVER, CEILING 100's of FT., SATELLITE (Observation Time (LST), Eff Clid Amt Oktas, VISIBILITY (MILES)), WEATHER, TEMPERATURE °F (DRY BULB, DEW POINT, WET BULB, RELATIVE HUMIDITY (PCT)), WIND (SPEED (MPH), DIRECTION Tens of Deg), PRESSURE (INCHES, HG) (STATION, SEA LEVEL). Rows for August 25, 26, 27, 28, 29, 30.

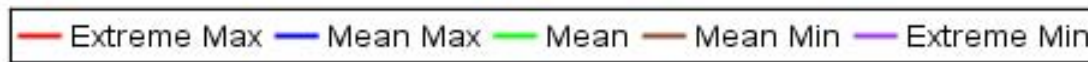
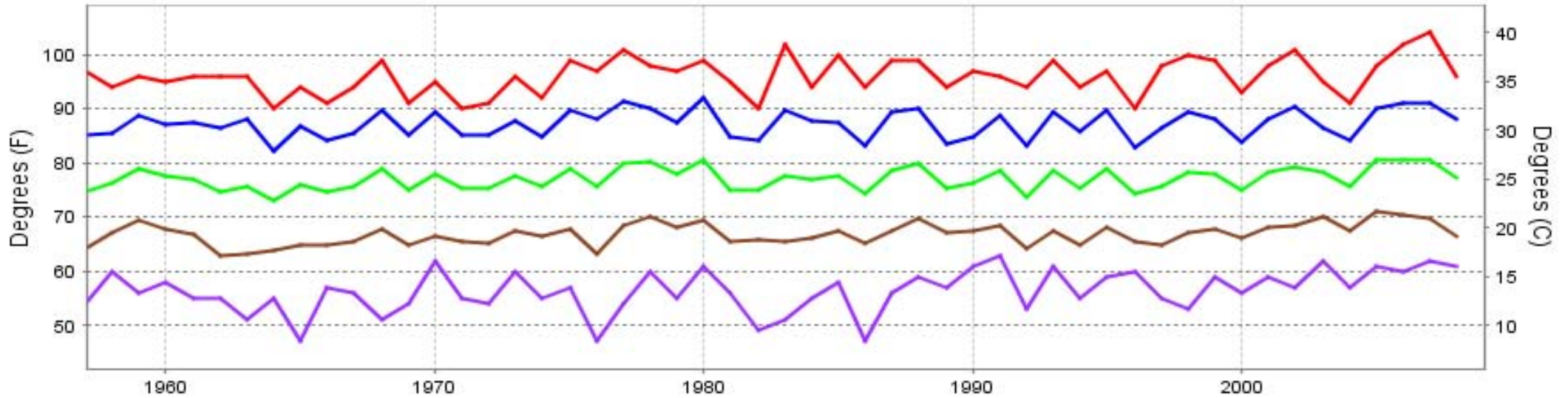
Table with columns: HOUR (LST), SKY COVER, CEILING 100's of FT., SATELLITE (Observation Time (LST), Eff Clid Amt Oktas, VISIBILITY (MILES)), WEATHER, TEMPERATURE °F (DRY BULB, DEW POINT, WET BULB, RELATIVE HUMIDITY (PCT)), WIND (SPEED (MPH), DIRECTION Tens of Deg), PRESSURE (INCHES, HG) (STATION, SEA LEVEL). Rows for August 31.

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

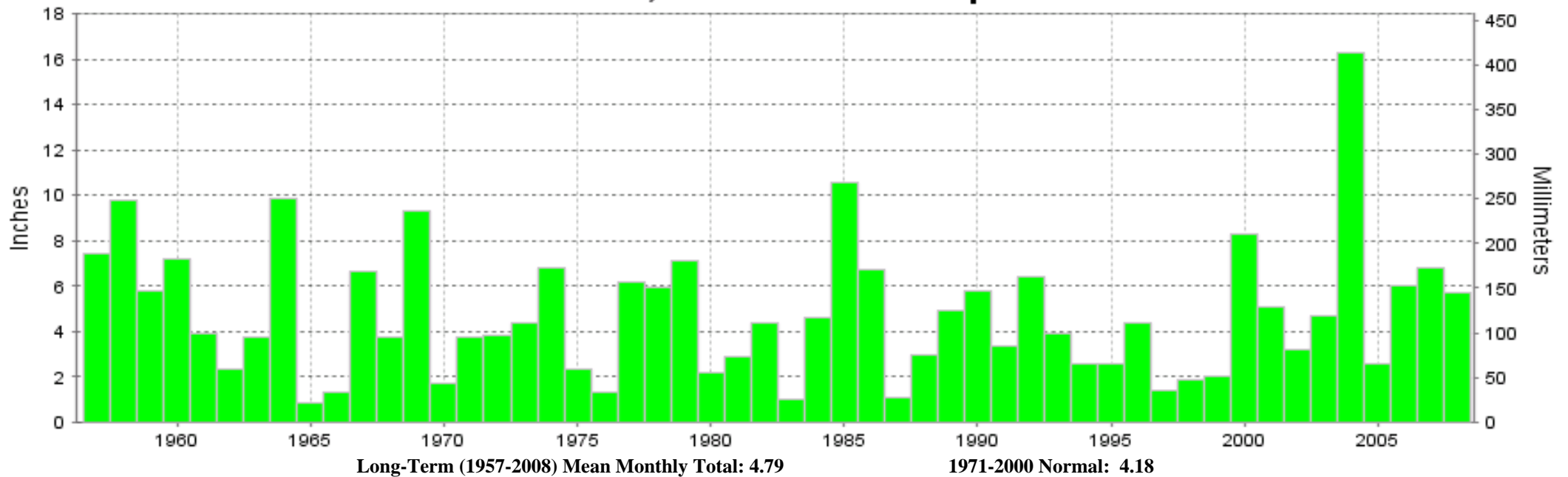
Table with columns: HOUR (LST), CEILOMETER, EFF CLD AMT, DRY BULB, DEW POINT, WET BULB, RELATIVE HUMIDITY, PRESSURE (Inches, HG) (STATION, SEA LEVEL), VISIBILITY (Miles), WIND SPEED (MPH), RESULTANT WIND (MPH) (SPEED, DIRECTION). Rows for hours 01-24.

RICHMOND, VA AUGUST Temperatures



Long-Term (1957-2008) Mean: 77.0
1971-2000 Normal: 76.3

RICHMOND, VA AUGUST Precipitation



Long-Term (1957-2008) Mean Monthly Total: 4.79

1971-2000 Normal: 4.18



**AUGUST 2008
RICHMOND, VA**

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NOAA, National Climatic Data Center**

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