



# SEPTEMBER 2005

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# RICHMOND, VA

RICHMOND INTL AIRPORT (RIC)  
 Lat: 37°30' N Long: 77°19' W Elev (Ground): 164 Feet  
 Time Zone: EASTERN WBAN: 13740 ISSN #:0198-537X

SEPTEMBER 2005  
RICHMOND, VA

DATE	TEMPERATURE °F							DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE													
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING	0700 LST		1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																			
																			5-SEC		2-MIN																	
																			SPEED	DIR	SPEED	DIR																
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	89	68	79	5	62	68	0	14			0.0	0.00	29.75	29.93	1.1	34	1.5	17	36	13	33	01																
02	91	65	78	4	62	68	0	13	BR HZ		0.0	0.00	29.82	30.00	0.7	31	1.1	15	32	9	29	02																
03	87	67	77	4	58	66	0	12			0.0	0.00	29.89	30.07	0.9	01	.9	18	06	10	02	03																
04	87	64	76	3	57	64	0	11			0.0	0.00	30.00	30.18	0.8	33	.9	16	02	7	03	04																
05	86	60	73	0	59	64	0	8			0.0	0.00	30.13	30.32	5.4	07	5.8	18	07	13	08	05																
06	82	61	72	0	59	64	0	7			0.0	0.00	30.17	30.36	7.7	06	7.9	22	05	17	05	06																
07	84	59	72	0	59	63	0	7			0.0	0.00	30.08	30.26	5.3	03	6.2	15	03	13	03	07																
08	87	58	73	1	57	63	0	8			0.0	0.00	29.93	30.11	1.5	06	2.9	14	03	8	04	08																
09	90	59	75	3	58	65	0	10	BR		0.0	0.00	29.89	30.07	0.7	05	2.5	15	02	10	01	09																
10	87	63	75	4	60	65	0	10	BR HZ		0.0	0.00	29.98	30.17	4.4	09	4.4	18	09	14	08	10																
11	84	59	72	1	57	63	0	7			0.0	0.00	30.08	30.27	3.9	07	5.1	20	10	13	08	11																
12	88	56	72	1	56	62	0	7			0.0	0.00	29.98	30.16	1.2	04	1.8	6	11	6	36	12																
13	91	60	76	5	67	70	0	11	FG+ BR HZ		0.0	0.00	29.85	30.03	4.4	09	5.4	20	11	15	13	13																
14	89	74	82	11	71	74	0	17	RA FG+ BR		0.0	T	29.77	29.95	6.5	07	7.5	20	11	16	11	14																
15	91	74	83	13	72	75	0	18	BR		0.0	0.00	29.80	29.98	8.2	05	8.9	21	04	18	04	15																
16	94	73	84*	14	70	73	0	19	RA BR HZ		0.0	T	29.79	29.97	4.9	03	7.0	17	33	15	34	16																
17	95	69	82	12	67	72	0	17	BR HZ		0.0	0.00	29.76	29.94	3.1	30	4.8	20	25	14	24	17																
18	92	69	81	11	62	68	0	16	HZ		0.0	0.00	29.87	30.05	6.1	01	6.9	16	01	13	01	18																
19	90	65	78	8	61	67	0	13	BR HZ		0.0	0.00	30.01	30.20	1.5	12	5.2	15	15	12	15	19																
20	95	70	83	14	69	73	0	18	RA BR HZ		0.0	0.04	29.93	30.11	5.4	21	8.1	24	24	20	29	20																
21	88	66	77	9	61	67	0	12	BR HZ		0.0	0.00	29.96	30.15	3.7	05	5.3	16	05	14	01	21																
22	89	64	77	9	61	67	0	12	BR HZ		0.0	0.00	29.91	30.10	5.8	20	6.1	18	23	14	20	22																
23	98*	65	82	14	64	70	0	17	RA BR HZ		0.0	0.01	29.85	30.03	2.4	30	7.0	25	02	21	02	23																
24	77	69	73	6	66	68	0	8	BR HZ		0.0	0.00	30.03	30.22	7.8	04	8.6	17	06	15	07	24																
25	82	65	74	7	63	67	0	9			0.0	0.00	30.04	30.23	4.2	13	6.5	15	14	13	14	25																
26	88	66	77	11	66	69	0	12	RA BR		0.0	0.03	29.75	29.94	11.0	21	12.0	30*	22	24*	23	26																
27	84	59	72	6	55	63	0	7	BR		0.0	0.00	29.82	30.01	6.4	01	7.8	28	01	23	01	27																
28	83	54	69	3	53	60	0	4			0.0	0.00	29.94	30.12	3.1	14	6.2	16	13	14	17	28																
29	80	58	69	4	58	63	0	4	RA		0.0	T	29.79	29.98	2.1	26	10.9	26	21	20	22	29																
30	75	51*	63*	-2	42	52	2	0			0.0	0.00	30.01	30.20	3.5	05	5.8	16	04	13	08	30																
< MONTHLY AVERAGES											TOTALS-->		0.0	0.08	29.92	30.10	1.8	06	5.7	<-- MONTHLY AVERAGES																		
7.7											3.8		5.8		<-----DEPARTURE FROM NORMAL----->											-3.90		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 0.04 DATE :20											SEA LEVEL PRESSURE DATE TIME																
MONTHLY											GREATEST 24-HR SNOWFALL: 0.0 DATE :											MAXIMUM : 30.40 06 0954																
TOTAL DEPARTURE											GREATEST SNOW DEPTH: DATE :											MINIMUM : 29.83 26 1754																
HEATING: 2 -25											NUMBER OF DAYS WITH => MAXIMUM TEMP ≥ 90: 10											PRECIPITATION ≥ 0.01 INCH : 3																
COOLING: 328 141											MINIMUM TEMP ≤ 32 : 0											PRECIPITATION ≥ 0.10 INCH : 0																
SEASON TO DATE											THUNDERSTORMS : 0											SNOWFALL ≥ 1.0 INCH : 0																
TOTAL DEPARTURE											MINIMUM TEMP ≤ 0 : 0											HEAVY FOG : 2																
2 2											HEAVY FOG : 2											HEAVY FOG : 2																
-25 -26											HEAVY FOG : 2											HEAVY FOG : 2																
1771 376											HEAVY FOG : 2											HEAVY FOG : 2																

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## RICHMOND, VA

SEPTEMBER 2005 RIC WBAN # 13740

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01		0.00		
02													02												02		0.00		
03													03												03		0.00		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.00		
14													14									T			14		T		
15													15												15		0.00		
16													16												16		T		
17													17												17		0.00		
18													18												18		0.00		
19													19												19		0.00		
20													20						0.04						20		0.04		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.01		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.03		
27													27												27		0.00		
28													28												28		0.00		
29													29												29		T		
30													30												30		0.00		

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04
Ending Date	20	20	20	20	20	20	20	20	20	20	20	20
Ending Time (Hour/Min)	1939	1939	1939	1939	1939	1939	1939	1939	1939	1939	1939	1939

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. 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.

## 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		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    ' ' = Moderate    '- ' = Light

## RICHMOND, VA SEPTEMBER 2005

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	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							6.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							4.00	10.00	
10							1.50	10.00	
11							10.00	10.00	
12							9.00	10.00	
13							.13	10.00	
14							.25	10.00	
15							3.00	10.00	
16							3.00	10.00	
17							3.00	10.00	
18							6.00	10.00	
19							4.00	10.00	
20							1.50	9.00	
21							1.50	10.00	
22							4.00	10.00	
23							4.00	9.00	
24							5.00	10.00	
25							9.00	10.00	
26							4.00	10.00	
27							2.00	10.00	
28							10.00	10.00	
29							8.00	10.00	
30							10.00	10.00	
<b>MONTHLY AVGS</b>							5.93	9.93	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible:                      Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING									
30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0									
2                      9                      13									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# RICHMOND, VA

## SEPTEMBER 2005

RIC

WBAN # 13740

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT		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	SKY COVER	CEILING 100'S OF FT	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: 0540				SEP 01				SUNSET: 1838				SUNRISE: 0545				SEP 07				SUNSET: 1829									
01	CLR	NC			10.00	75	66	69	74	0	00	29.66	29.85	01	CLR	NC			10.00	60	57	58	90	7	04	30.15	30.34		
04	CLR	NC			10.00	70	65	67	84	0	00	29.68	29.86	04	CLR	NC			10.00	59	56	57	90	7	01	30.12	30.30		
07	CLR	NC			10.00	72	65	68	79	0	00	29.74	29.93	07	FEW	NC			10.00	62	58	60	86	5	02	30.13	30.32		
10	CLR	NC			10.00	83	60	68	46	3	35	29.78	29.96	10	SCT	NC			10.00	76	63	68	64	9	06	30.13	30.32		
13	FEW	NC			10.00	88	58	69	36	7	34	29.76	29.94	13	SCT	NC			10.00	80	58	66	47	8	03	30.08	30.27		
16	SCT	NC			10.00	88	58	69	36	5	32	29.74	29.92	16	SCT	NC			10.00	81	58	67	46	7	32	30.03	30.22		
19	FEW	NC			10.00	77	60	66	56	0	00	29.75	29.94	19	FEW	NC			10.00	74	60	65	62	6	32	30.00	30.19		
22	FEW	NC			10.00	72	63	66	73	0	00	29.80	29.98	22	CLR	NC			10.00	66	60	62	81	5	34	30.00	30.19		
SUNRISE: 0540				SEP 02				SUNSET: 1836				SUNRISE: 0545				SEP 08				SUNSET: 1827									
01	FEW	NC			9.00	69	62	65	78	0	00	29.80	29.99	01	CLR	NC			10.00	62	59	60	90	0	00	29.99	30.18		
04	SCT	NC			9.00	70	63	66	79	0	00	29.81	30.00	04	CLR	NC			10.00	60	57	58	90	0	00	29.97	30.15		
07	CLR	NC			6.00	70	65	67	84	0	00	29.85	30.03	07	FEW	NC			10.00	63	59	61	87	0	00	29.99	30.18		
10	CLR	NC			10.00	85	63	71	48	0	00	29.86	30.05	10	SCT	NC			10.00	77	58	65	52	0	00	29.98	30.16		
13	SCT	NC			10.00	89	60	70	38	0	00	29.83	30.01	13	CLR	NC			10.00	83	55	66	38	6	05	29.91	30.10		
16	FEW	NC			10.00	91	60	71	35	8	31	29.78	29.97	16	FEW	NC			10.00	86	48	64	27	8	02	29.86	30.05		
19	CLR	NC			10.00	85	61	70	45	0	00	29.77	29.96	19	CLR	NC			10.00	75	56	64	52	3	16	29.85	30.04		
22	FEW	NC			10.00	74	64	68	71	0	00	29.80	29.99	22	CLR	NC			10.00	67	59	62	76	6	12	29.89	30.07		
SUNRISE: 0541				SEP 03				SUNSET: 1835				SUNRISE: 0546				SEP 09				SUNSET: 1826									
01	BKN	075			10.00	74	63	67	69	0	00	29.83	30.01	01	CLR	NC			10.00	65	63	64	93	3	15	29.86	30.05		
04	BKN	075			10.00	69	61	64	76	0	00	29.85	30.04	04	FEW	NC			4.00	61	58	59	90	0	00	29.87	30.06		
07	FEW	NC			10.00	71	57	63	61	5	01	29.90	30.09	07	CLR	NC			5.00	65	62	63	90	3	18	29.90	30.09		
10	CLR	NC			10.00	82	58	67	44	0	00	29.92	30.11	10	FEW	NC			10.00	81	54	65	39	5	32	29.90	30.09		
13	FEW	NC			10.00	85	56	67	37	0	00	29.89	30.07	13	FEW	NC			10.00	89	54	67	30	7	03	29.88	30.07		
16	SCT	NC			10.00	86	57	68	37	0	00	29.85	30.04	16	FEW	NC			10.00	88	55	68	33	7	VR	29.85	30.03		
19	SCT	NC			10.00	78	57	65	48	0	00	29.87	30.06	19	FEW	NC			10.00	78	59	66	52	6	32	29.88	30.07		
22	OVC	080			10.00	72	59	64	64	0	00	29.92	30.11	22	CLR	NC			9.00	71	61	65	71	3	30	29.91	30.10		
SUNRISE: 0542				SEP 04				SUNSET: 1833				SUNRISE: 0547				SEP 10				SUNSET: 1824									
01	SCT	NC			10.00	69	59	63	70	0	00	29.93	30.11	01	CLR	NC			6.00	67	61	63	81	0	00	29.93	30.12		
04	FEW	NC			10.00	65	57	60	76	0	00	29.93	30.12	04	FEW	NC			6.00	66	61	63	84	0	00	29.94	30.13		
07	SCT	NC			10.00	67	57	61	71	0	00	29.98	30.16	07	SCT	NC			1.50	66	64	65	93	3	04	29.99	30.18		
10	CLR	NC			10.00	78	60	67	54	0	00	30.01	30.20	10	FEW	NC			10.00	82	64	70	55	9	11	30.01	30.20		
13	SCT	NC			10.00	84	54	66	36	3	03	29.99	30.18	13	BKN	065			10.00	84	57	67	40	12	10	29.98	30.16		
16	BKN	075			10.00	84	57	67	40	5	VR	29.99	30.18	16	SCT	NC			10.00	84	56	67	38	13	09	29.96	30.15		
19	SCT	NC			10.00	74	58	64	57	3	VR	30.01	30.20	19	FEW	NC			10.00	74	58	64	57	6	10	29.99	30.18		
22	BKN	070			10.00	70	57	62	64	3	30	30.05	30.24	22	FEW	NC			10.00	67	56	61	68	6	10	30.02	30.21		
SUNRISE: 0543				SEP 05				SUNSET: 1832				SUNRISE: 0548				SEP 11				SUNSET: 1823									
01	CLR	NC			10.00	63	57	60	81	3	34	30.06	30.25	01	CLR	NC			10.00	64	57	60	78	0	00	30.03	30.22		
04	CLR	NC			10.00	61	56	58	84	0	00	30.08	30.27	04	FEW	NC			10.00	60	56	58	86	3	36	30.04	30.23		
07	SCT	NC			10.00	66	60	62	81	6	02	30.12	30.31	07	FEW	NC			10.00	64	58	60	81	3	02	30.10	30.29		
10	FEW	NC			10.00	80	62	69	54	9	05	30.15	30.34	10	SCT	NC			10.00	78	59	66	52	8	06	30.13	30.32		
13	SCT	NC			10.00	81	57	66	44	10	08	30.14	30.33	13	SCT	NC			10.00	83	56	66	40	9	06	30.10	30.29		
16	SCT	NC			10.00	83	61	69	48	12	07	30.13	30.32	16	FEW	NC			10.00	82	55	66	40	8	08	30.07	30.25		
19	FEW	NC			10.00	74	61	66	64	6	09	30.14	30.33	19	FEW	NC			10.00	72	58	64	61	7	10	30.07	30.26		
22	CLR	NC			10.00	68	61	64	78	6	09	30.19	30.38	22	CLR	NC			10.00	65	58	61	78	3	17	30.08	30.27		
SUNRISE: 0544				SEP 06				SUNSET: 1830				SUNRISE: 0549				SEP 12				SUNSET: 1821									
01	CLR	NC			10.00	64	61	62	90	6	04	30.18	30.37	01	CLR	NC			10.00	61	57	59	87	5	11	30.07	30.26		
04	CLR	NC			10.00	64	61	62	90	5	03	30.15	30.34	04	FEW	NC			10.00	59	55	57	87	0	00	30.04	30.23		
07	FEW	NC			10.00	65	62	63	90	7	02	30.19	30.38	07	FEW	NC			9.00	60	57	58	90	6	36	30.06	30.25		
10	SCT	NC			10.00	78	58	66	50	13	05	30.21	30.40	10	FEW	NC			10.00	75	58	65	55	5	06	30.03	30.22		
13	SCT	NC			10.00	81	56	66	42	13	08	30.18	30.37	13	FEW	NC			10.00	84	53	65	35	0	00	29.95	30.14		
16	FEW	NC			10.00	81	56	66	42	9	07	30.14	30.33	16	CLR	NC			10.00	87	49	65	27	0	00	29.89	30.08		
19	FEW	NC			10.00	72	56	63	57	6	08	30.15	30.34	19	CLR	NC			10.00	73	56	63	55	0	00	29.89	30.08		
22	CLR	NC			10.00	64	58	60	81	5	06	30.16	30.35	22	CLR	NC			10.00	68	63	65	84	3	09	29.91	30.10		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# RICHMOND, VA

## SEPTEMBER 2005

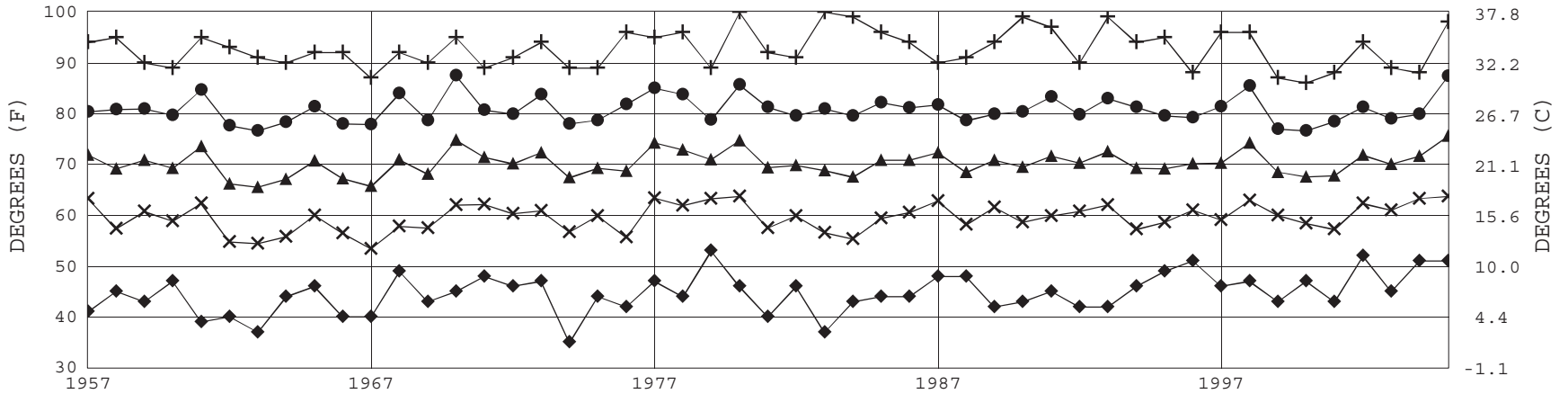
RIC

WBAN # 13740

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0550					SEP 13					SUNSET: 1820					SUNRISE: 0555					SEP 19					SUNSET: 1811				
01	CLR	NC	9.00		63	61	62	93	0	00	29.87	30.06	01	CLR	NC	7.00		70	65	67	84	0	00	29.96	30.15				
04	BKN	001	0.25	FG	61	61	61	100	0	00	29.86	30.05	04	FEW	NC	5.00	BR	67	63	64	87	0	00	29.98	30.17				
07	BKN	250	1.00	BR	63	62	62	97	3	36	29.88	30.07	07	FEW	NC	4.00	HZ	68	63	65	84	3	36	30.03	30.22				
10	BKN	250	10.00		82	68	73	62	6	VR	29.88	30.07	10	CLR	NC	9.00		84	59	68	43	6	VR	30.06	30.24				
13	BKN	250	10.00		88	69	75	54	10	09	29.84	30.03	13	SCT	NC	10.00		89	57	69	34	6	VR	30.03	30.22				
16	BKN	075	10.00		88	70	76	55	15	10	29.80	29.99	16	SCT	NC	8.00		89	58	69	35	3	23	29.99	30.17				
19	BKN	022	10.00		80	71	74	74	7	12	29.82	30.01	19	CLR	NC	9.00		78	61	67	56	8	14	29.98	30.17				
22	BKN	250	10.00		74	71	72	91	5	07	29.81		22	CLR	NC	7.00		75	65	69	71	7	16	30.01	30.20				
SUNRISE: 0550					SEP 14					SUNSET: 1818					SUNRISE: 0555					SEP 20					SUNSET: 1809				
01	VV	001	0.25	FG	74	72	73	94	3	08	29.80	29.98	01	CLR	NC	6.00	HZ	72	67	69	84	7	18	29.98	30.17				
04	VV	001	0.25	FG	74	72	73	94	3	04	29.78	29.97	04	BKN	014	4.00	BR	72	68	69	87	7	17	29.96	30.15				
07	OVC	001	0.75	BR	75	73	74	94	7	05	29.80	29.99	07	OVC	003	1.50	BR	74	71	72	91	10	21	29.97	30.16				
10	OVC	018	10.00		83	72	75	70	6	VR	29.80	29.98	10	SCT	NC	4.00	HZ	84	72	76	67	12	20	29.95	30.14				
13	OVC	250	10.00		87	66	73	50	8	10	29.74	29.93	13	SCT	NC	5.00	HZ	92	70	77	49	14	20	29.88	30.07				
16	OVC	250	10.00		85	69	74	59	9	10	29.71	29.90	16	OVC	070	7.00		87	66	73	50	6	36	29.83	30.02				
19	OVC	250	10.00		80	71	74	74	9	06	29.73	29.92	19	OVC	065	9.00		84	67	73	57	0	00	29.90	30.08				
22	BKN	100	10.00		77	73	74	88	8	06	29.77	29.96	22	BKN	150	5.00	BR	74	71	72	91	0	00	29.93	30.11				
SUNRISE: 0551					SEP 15					SUNSET: 1817					SUNRISE: 0556					SEP 21					SUNSET: 1807				
01	OVC	007	3.00	BR	77	74	75	90	9	03	29.76	29.94	01	BKN	150	3.00	BR	73	69	70	87	0	00	29.93	30.12				
04	SCT	NC	3.00	BR	77	73	74	88	8	05	29.74	29.93	04	SCT	NC	2.00	BR	70	68	69	93	0	00	29.93	30.12				
07	BKN	035	9.00		77	73	74	88	10	01	29.80	29.98	07	SCT	NC	6.00	HZ	70	64	66	82	6	03	29.98	30.17				
10	BKN	027	10.00		83	71	75	67	9	04	29.81	29.99	10	FEW	NC	10.00		81	55	65	41	9	03	30.00	30.19				
13	BKN	250	10.00		89	70	76	53	10	07	29.79	29.98	13	SCT	NC	10.00		85	56	67	37	6	06	29.97	30.15				
16	BKN	250	10.00		89	69	75	52	7	07	29.77	29.96	16	SCT	NC	10.00		86	55	67	35	6	04	29.92	30.11				
19	BKN	250	10.00		81	71	74	72	7	08	29.80	29.99	19	FEW	NC	10.00		76	59	66	56	8	10	29.95	30.14				
22	BKN	250	8.00		75	71	72	88	5	02	29.84	30.02	22	CLR	NC	10.00		70	62	65	76	5	13	29.97	30.16				
SUNRISE: 0552					SEP 16					SUNSET: 1815					SUNRISE: 0557					SEP 22					SUNSET: 1806				
01	SCT	NC	3.00	BR	74	72	73	94	7	01	29.83	30.01	01	CLR	NC	10.00		66	61	63	84	0	00	29.97	30.16				
04	BKN	250	3.00	BR	75	72	73	90	7	08	29.79	29.97	04	CLR	NC	6.00	BR	66	62	64	87	0	00	29.96	30.14				
07	BKN	016	3.00	BR	76	73	74	91	9	35	29.82	30.01	07	SCT	NC	4.00	HZ	68	63	65	84	0	00	29.97	30.16				
10	BKN	250	8.00		84	72	76	67	9	02	29.83	30.02	10	FEW	NC	10.00		81	60	68	49	10	19	29.96	30.15				
13	SCT	NC	10.00		90	67	74	47	10	32	29.79	29.97	13	SCT	NC	10.00		87	58	69	37	10	21	29.91	30.10				
16	FEW	NC	10.00		90	65	73	44	7	09	29.73	29.92	16	FEW	NC	10.00		88	61	71	40	10	19	29.84	30.02				
19	SCT	NC	9.00		81	67	72	62	3	08	29.74	29.93	19	CLR	NC	10.00		78	64	69	62	6	18	29.83	30.02				
22	OVC	100	9.00	-RA	78	69	72	74	8	29	29.78	29.97	22	CLR	NC	10.00		73	61	66	66	5	19	29.86	30.05				
SUNRISE: 0553					SEP 17					SUNSET: 1814					SUNRISE: 0558					SEP 23					SUNSET: 1804				
01	BKN	090	5.00	HZ	75	70	72	84	0	00	29.75	29.94	01	CLR	NC	8.00		70	62	65	76	3	20	29.86	30.04				
04	SCT	NC	6.00	BR	74	70	71	88	3	25	29.74	29.93	04	CLR	NC	6.00	BR	67	63	64	87	6	20	29.85	30.03				
07	SCT	NC	4.00	BR	73	70	71	90	3	26	29.77	29.96	07	CLR	NC	4.00	BR	68	64	66	87	6	19	29.85	30.04				
10	SCT	NC	10.00		86	68	74	55	6	28	29.77	29.96	10	FEW	NC	7.00		86	65	72	50	8	26	29.84	30.03				
13	SCT	NC	10.00		93	64	74	38	8	27	29.74	29.93	13	SCT	NC	8.00		95	62	73	34	7	VR	29.81	30.00				
16	SCT	NC	10.00		93	62	73	36	7	VR	29.70	29.89	16	SCT	NC	9.00		96	59	72	29	8	32	29.78	29.97				
19	SCT	NC	10.00		85	65	72	51	7	32	29.74	29.93	19	BKN	150	9.00		82	65	71	56	16	02	29.85	30.04				
22	BKN	110	10.00		77	67	70	71	3	05	29.77	29.96	22	OVC	085	8.00		77	69	72	77	7	27	29.91	30.10				
SUNRISE: 0554					SEP 18					SUNSET: 1812					SUNRISE: 0559					SEP 24					SUNSET: 1803				
01	BKN	080	9.00		75	67	70	76	5	02	29.80	29.98	01	FEW	NC	5.00	HZ	73	67	69	81	10	02	29.92	30.10				
04	BKN	080	9.00		74	64	68	71	8	34	29.82	30.01	04	BKN	250	6.00	BR	71	67	68	87	10	01	29.94	30.13				
07	FEW	NC	6.00	HZ	72	64	67	76	9	01	29.85	30.04	07	OVC	023	10.00		71	65	67	81	9	03	30.00	30.19				
10	FEW	NC	9.00		84	62	70	48	10	03	29.88	30.07	10	OVC	021	10.00		76	66	70	72	10	05	30.05	30.24				
13	FEW	NC	10.00		89	58	69	35	7	01	29.85	30.03	13	OVC	019	10.00		76	66	70	72	10	04	30.05	30.24				
16	BKN	250	10.00		90	58	70	34	12	03	29.84	30.03	16	OVC	022	10.00		76	65	69	69	13	08	30.04	30.23				
19	BKN	250	10.00		79	60	67	52	5	03	29.89	30.08	19	OVC	031	10.00		73	64	67	74	8	07	30.07	30.25				
22	CLR	NC	8.00		73	65	68	76	0	00	29.94	30.13	22	OVC	150	10.00		71	65	67	81	6	04	30.10	30.29				



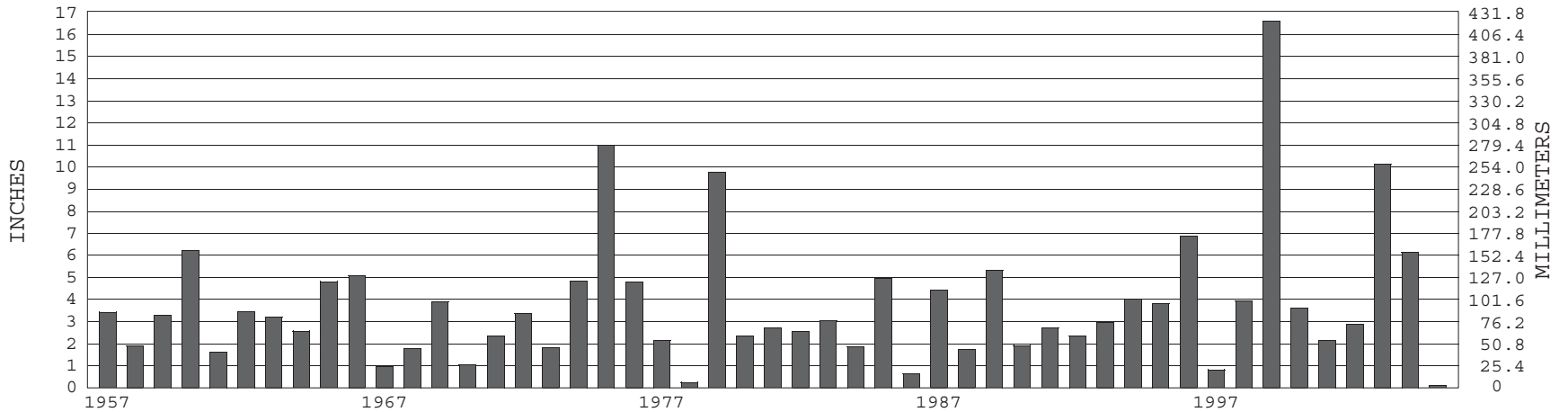
### RICHMOND, VA SEPTEMBER TEMPERATURES



+ Extreme Max.      ● Mean Max.      ▲ Mean      × Mean Min.      ◆ Extreme Min.

Long-Term (1957-2005) Mean: 70.2      1971-2000 Normal: 69.8

### RICHMOND, VA SEPTEMBER PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.76

1971-2000 Normal: 3.98



SEPTEMBER 2005

RICHMOND, VA

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

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