



OCTOBER 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

OCTOBER 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																																						
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	82	51	67	3	52	58	0	2				0.0	0.00	30.11	30.29	1.6	12	3.0	17	13	15	11	01																																				
02	83	55	69	6	53	59	0	4				0.0	0.00	30.17	30.36	3.4	10	4.2	16	11	14	11	02																																				
03	82	52	67	4	57	61	0	2	BCFG			0.0	0.00	30.16	30.35	5.2	05	5.9	15	10	12	08	03																																				
04	81	60	71	9	65	66	0	6	RA DZ FG+ BR			0.0	T	30.12	30.31	5.8	04	6.3	15	01	12	03	04																																				
05	81	69	75	13	67	69	0	10	BR			0.0	0.00	30.07	30.25	7.9	07	8.1	17	07	14	07	05																																				
06	85*	69	77*	15	70	72	0	12	RA FG BR			0.0	0.20	29.93	30.12	7.7	10	8.1	24	09	20	10	06																																				
07	78	72	75	14	71	72	0	10	RA BR			0.0	1.65	29.68	29.87	11.3	15	11.9	36*	17	26*	18	07																																				
08	78	62	70	9	69	70	0	5	RA DZ BR			0.0	0.54	29.50	29.68	2.4	13	10.5	23	19	21	19	08																																				
09	69	59	64	3	56	59	1	0	RA DZ			0.0	T	29.74	29.92	7.6	03	8.0	21	36	17	01	09																																				
10	70	60	65	4	60	62	0	0	RA DZ BR HZ			0.0	0.11	29.83	30.01	7.7	02	8.0	16	01	14	01	10																																				
11	68	63	66	6	61	63	0	1	RA DZ BR HZ			0.0	0.01	29.84	30.02	8.8	02	9.0	16	01	13	01	11																																				
12	70	59	65	5	58	61	0	0	RA DZ BR			0.0	0.01	29.87	30.06	10.2	01	10.4	21	01	17	02	12																																				
13	64	58	61	2	56	58	4	0	RA DZ BR HZ			0.0	T	29.82	30.01	12.7	36	12.8	23	01	17	36	13																																				
14	77	61	69	10	58	61	0	4	RA DZ BR			0.0	T	29.73	29.92	12.2	35	12.5	23	36	20	36	14																																				
15	80	55	68	10	50	58	0	3	HZ			0.0	0.00	29.60	29.78	7.7	29	8.6	25	30	21	29	15																																				
16	72	49	61	3	40	51	4	0				0.0	0.00	29.70	29.89	9.0	31	9.4	26	33	22	30	16																																				
17	69	49	59	1	40	49	6	0				0.0	0.00	29.73	29.91	5.7	27	6.8	17	28	15	29	17																																				
18	82	47	65	7	49	56	0	0				0.0	0.00	29.66	29.85	6.1	25	7.3	26	26	23	26	18																																				
19	81	49	65	7	53	58	0	0	BCFG BR HZ			0.0	0.00	29.75	29.94	5.8	20	6.3	22	22	16	23	19																																				
20	76	56	66	9	55	60	0	1	RA BR HZ			0.0	T	29.78	29.97	4.9	06	7.5	18	09	16	10	20																																				
21	58	55	57	1	55	55	8	0	RA DZ FG BR			0.0	0.12	29.78	29.97	7.0	02	7.2	17	02	15	02	21																																				
22	66	53	60	4	55	57	5	0	RA DZ FG+ BR HZ			0.0	0.03	29.52	29.71	6.0	28	6.9	21	28	17	29	22																																				
23	67	41	54	-2	40	48	11	0	RA			0.0	T	29.68	29.87	1.2	29	5.1	20	30	16	30	23																																				
24	62	44	53	-2	48	50	12	0	RA BR			0.0	0.82	29.53	29.72	8.9	02	10.3	29	36	23	35	24																																				
25	52	43	48	-7	40	44	17	0	RA BR HZ			0.0	0.25	29.39	29.57	12.8	30	13.6	28	28	22	30	25																																				
26	64	39	52	-3	35	43	13	0				0.0	0.00	29.79	29.98	7.4	30	8.4	22	29	18	29	26																																				
27	67	33*	50	-4	34	42	15	0				0.0	0.00	30.04	30.23	1.6	05	3.0	12	23	10	22	27																																				
28	57	39	48	-6	37	42	17	0				0.0	0.00	30.10	30.30	6.3	02	6.6	18	01	15	03	28																																				
29	56	35	46*	-8	33	40	19	0	BR			0.0	0.00	30.13	30.33	5.6	33	5.9	31	34	25	34	29																																				
30	71	35	53	-1	34	43	12	0				0.0	0.00	30.16	30.35	1.3	27	1.8	14	30	10	27	30																																				
31	77	41	59	5	39	48	6	0				0.0	0.00	30.08	30.27	4.1	20	4.5	15	21	13	19	31																																				
										71.8		52.0		61.9		■ ■		51.3		56.0		4.8		1.9		< MONTHLY AVERAGES		TOTALS-->		0.0		3.74		29.84		30.03		2.9		36		7.7		<-- MONTHLY AVERAGES															
										2.5		4.8		3.6		■ ■		<-----DEPARTURE FROM NORMAL----->																				0.14		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.86 DATE :07-08										SEA LEVEL PRESSURE										DATE		TIME																											
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE :										MINIMUM		30.40		30		0854																							
HEATING: 150 -75										152 -101										GREATEST SNOW DEPTH:										MINIMUM		29.47		25		0354																							
COOLING: 60 27										1831 403										NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 0		PRECIPITATION ≥ 0.01 INCH : 10		PRECIPITATION ≥ 0.10 INCH : 7		SNOWFALL ≥ 1.0 INCH : 0																													
										MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		THUNDERSTORMS : 0		HEAVY FOG : 2																																											

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

OCTOBER 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	T	T										04		0.00		
05													05												05		0.00		
06													06	0.09	T	0.03									06		0.20		
07	0.03	0.02	0.03	0.01	0.01	0.36	0.18	T	0.01	0.02	0.21	0.01	07	0.17	0.04	T	T	0.03	0.02	0.04	T	0.04	0.24	0.11	0.07	07	1.65		
08	0.01	0.13	0.15	T	0.01	0.04	0.07	0.02	0.02	0.03	0.03	0.03	08	T			T	T	T						08		0.54		
09	T	T											09													09		T	
10	T	T	T	T									10			T	T		T	T		0.03	0.03	0.05	T	10	0.11		
11	T	0.01											11			T	T	T								11		0.01	
12	T	T											12													12		0.01	
13	T	T											13	T												13		T	
14	T	T											14													14		T	
15													15													15		0.00	
16													16													16		0.00	
17													17													17		0.00	
18													18													18		0.00	
19													19													19		0.00	
20													20													20		0.00	
21													21			T	T	T	0.01	T	T	T	T	T	T	21		0.12	
22	T	0.02	T	T	0.01	T	0.01	T	0.02	0.05	T		22													22		0.03	
23		T	T	0.01	0.02	T	T	T	T	T			23													23		T	
24													24	T	0.03	0.05	0.20	0.14	0.05	0.05	0.08	0.08	0.04	0.04	0.06	24		0.82	
25	0.06	0.03	0.02	T	0.07	0.01	0.03	0.01	0.01	0.01	T		25	T	T					T	T	T			25		0.25		
26													26													26		0.00	
27													27													27		0.00	
28													28													28		0.00	
29													29													29		0.00	
30													30													30		0.00	
31													31													31		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)	.13	.18	.25	.36	.44	.47	.49	.54	.55	.55	.55	.55
Ending Date	07	07	07	07	07	07	07	07	07	07	07	07
Ending Time (Hour/Min)	0600	0600	0603	0600	0603	0603	0603	0612	0612	0612	0612	0612

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 OCTOBER 2005

Ceilorometer (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							8.00	10.00	
03							9.00	10.00	
04							.06	10.00	
05							6.00	10.00	
06							.50	10.00	
07							1.50	10.00	
08							3.00	10.00	
09							7.00	10.00	
10							1.50	10.00	
11							1.00	10.00	
12							3.00	10.00	
13							3.00	10.00	
14							6.00	10.00	
15							6.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							8.00	10.00	
19							5.00	10.00	
20							4.00	10.00	
21							.50	10.00	
22							.25	10.00	
23							10.00	10.00	
24							1.00	10.00	
25							2.00	10.00	
26							10.00	10.00	
27							7.00	10.00	
28							8.00	10.00	
29							6.00	10.00	
30							7.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							5.30	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 2 12 13									

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

OCTOBER 2005

RIC

WBAN # 13740

OBSERVATION TIME (LST)	EFFECTIVE ALTITUDE (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		OBSERVATION TIME (LST)	EFFECTIVE ALTITUDE (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				
SUNRISE: 0616			OCT 13			SUNSET: 1735			SUNRISE: 0621			OCT 19			SUNSET: 1727										
01	OVC	013	9.00	58	55	56	90	13	35	29.86	30.05	01	CLR	NC	7.00	55	53	54	93	0	00	29.75	29.94		
04	OVC	011	10.00	58	53	55	84	13	34	29.83	30.02	04	CLR	NC	6.00	52	50	51	93	0	00	29.79	29.98		
07	OVC	013	10.00	59	53	56	81	13	36	29.83	30.02	07	FEW	NC	7.00	51	47	49	86	0	00	29.81	30.01		
10	OVC	013	10.00	62	54	58	75	15	01	29.83	30.03	10	SCT	NC	10.00	71	49	59	46	9	15	29.81	30.00		
13	OVC	010	10.00	63	56	59	78	15	36	29.80	29.99	13	SCT	NC	10.00	79	47	61	32	12	20	29.73	29.92		
16	OVC	012	10.00	63	57	60	81	13	36	29.79	29.98	16	FEW	NC	10.00	80	54	64	41	15	23	29.69	29.88		
19	OVC	009	10.00	63	58	60	84	13	36	29.80	29.99	19	FEW	NC	10.00	67	58	62	73	10	21	29.69	29.88		
22	OVC	005	3.00	-RA BR	61	59	60	93	12	35	29.80	29.99	22	SCT	NC	9.00	67	59	62	76	5	21	29.70	29.89	
SUNRISE: 0617			OCT 14			SUNSET: 1733			SUNRISE: 0622			OCT 20			SUNSET: 1725										
01	OVC	006	6.00	-DZ BR	61	58	59	90	13	34	29.78	29.97	01	BKN	250	9.00	69	59	63	70	7	24	29.70	29.89	
04	OVC	006	6.00	BR	61	59	60	93	10	35	29.75	29.94	04	BKN	250	6.00	62	58	60	86	5	18	29.71	29.90	
07	OVC	008	10.00		62	59	60	90	13	36	29.77	29.96	07	SCT	NC	4.00	61	58	59	90	0	00	29.75	29.94	
10	OVC	015	10.00		67	59	62	76	14	35	29.77	29.96	10	SCT	NC	8.00	71	58	63	63	10	03	29.80	29.99	
13	OVC	027	10.00		73	60	65	64	15	01	29.71	29.90	13	SCT	NC	10.00	75	54	63	48	9	05	29.78	29.96	
16	OVC	038	10.00		73	60	65	64	12	01	29.69	29.88	16	OVC	250	9.00	71	57	63	61	10	09	29.78	29.97	
19	BKN	040	10.00		68	58	62	70	9	34	29.70	29.89	19	OVC	020	10.00	63	53	57	70	8	08	29.82	30.01	
22	BKN	065	10.00		66	53	59	63	10	34	29.70	29.89	22	OVC	025	10.00	61	49	55	65	9	06	29.86	30.05	
SUNRISE: 0618			OCT 15			SUNSET: 1732			SUNRISE: 0623			OCT 21			SUNSET: 1724										
01	CLR	NC	10.00		61	52	56	72	9	31	29.66	29.85	01	OVC	023	10.00	55	52	53	90	9	03	29.82	30.01	
04	CLR	NC	8.00		58	51	54	78	3	30	29.62	29.81	04	OVC	003	3.00	-DZ BR	55	53	54	93	8	01	29.80	29.99
07	CLR	NC	6.00	HZ	58	52	55	81	5	26	29.64	29.83	07	OVC	003	1.50	-DZ BR	55	53	54	93	6	01	29.80	30.00
10	CLR	NC	9.00		73	54	62	51	12	30	29.62	29.81	10	OVC	005	1.50	-DZ BR	57	54	55	90	10	03	29.81	30.00
13	FEW	NC	10.00		78	50	62	37	14	29	29.55	29.73	13	OVC	005	6.00	BR	57	55	56	93	8	04	29.78	29.97
16	FEW	NC	10.00		79	50	62	36	12	26	29.51	29.68	16	OVC	003	1.50	-DZ BR	57	56	56	96	6	02	29.75	29.95
19	CLR	NC	10.00		68	52	59	57	6	25	29.54	29.72	19	OVC	005	4.00	-DZ BR	57	55	56	93	6	05	29.75	29.94
22	CLR	NC	10.00		63	45	54	52	8	34	29.62	29.80	22	OVC	003	3.00	-DZ BR	57	55	56	93	9	36	29.71	29.91
SUNRISE: 0619			OCT 16			SUNSET: 1731			SUNRISE: 0624			OCT 22			SUNSET: 1723										
01	CLR	NC	10.00		60	42	51	52	7	29	29.65	29.84	01	OVC	001	1.00	-DZ BR	57	56	56	96	0	00	29.63	29.82
04	CLR	NC	10.00		53	43	48	69	3	32	29.67	29.86	04	VV	001	0.25	-RA FG	57	56	56	96	5	35	29.56	29.75
07	CLR	NC	10.00		54	40	47	59	7	29	29.72	29.91	07	OVC	001	0.50	-DZ FG	56	55	55	97	6	32	29.53	29.72
10	CLR	NC	10.00		66	40	53	39	13	29	29.73	29.92	10	OVC	002	1.00	BR	57	56	56	96	5	24	29.53	29.71
13	CLR	NC	10.00		71	39	55	31	17	32	29.68	29.87	13	OVC	011	10.00		63	57	60	81	7	26	29.45	29.63
16	FEW	NC	10.00		69	37	53	31	16	33	29.66	29.85	16	OVC	011	6.00	HZ	61	56	58	84	7	26	29.45	29.63
19	CLR	NC	10.00		60	40	50	48	12	34	29.69	29.88	19	BKN	070	9.00		61	57	59	87	9	25	29.49	29.67
22	CLR	NC	10.00		56	40	48	55	8	31	29.73	29.92	22	FEW	NC	10.00		58	46	52	65	10	28	29.54	29.72
SUNRISE: 0620			OCT 17			SUNSET: 1729			SUNRISE: 0625			OCT 23			SUNSET: 1721										
01	CLR	NC	10.00		54	37	46	53	7	27	29.74	29.93	01	CLR	NC	10.00		54	44	49	69	13	29	29.59	29.78
04	CLR	NC	10.00		53	37	46	55	8	29	29.73	29.92	04	CLR	NC	10.00		45	39	42	80	6	22	29.60	29.80
07	FEW	NC	10.00		50	38	44	63	8	25	29.76	29.96	07	FEW	NC	10.00		43	39	41	86	5	17	29.67	29.86
10	FEW	NC	10.00		61	37	49	41	10	25	29.77	29.96	10	CLR	NC	10.00		60	37	49	42	7	33	29.69	29.88
13	FEW	NC	10.00		66	38	52	36	10	28	29.71	29.90	13	CLR	NC	10.00		65	36	51	34	5	VR	29.67	29.87
16	CLR	NC	10.00		68	39	53	35	10	29	29.68	29.87	16	FEW	NC	10.00		66	38	52	36	0	00	29.68	29.87
19	CLR	NC	10.00		55	43	49	64	6	19	29.69	29.88	19	FEW	NC	10.00		54	45	49	72	0	00	29.73	29.92
22	CLR	NC	10.00		53	44	49	72	5	20	29.69	29.88	22	SCT	NC	10.00		51	43	47	74	3	13	29.73	29.93
SUNRISE: 0620			OCT 18			SUNSET: 1728			SUNRISE: 0626			OCT 24			SUNSET: 1720										
01	CLR	NC	10.00		49	43	46	80	0	00	29.69	29.88	01	FEW	NC	10.00		47	43	45	86	0	00	29.72	29.91
04	CLR	NC	10.00		48	42	45	80	5	19	29.65	29.85	04	CLR	NC	9.00		45	42	44	90	3	01	29.68	29.87
07	BKN	110	10.00		50	45	48	83	5	20	29.67	29.86	07	BKN	250	8.00		46	43	45	89	8	03	29.64	29.83
10	FEW	NC	10.00		72	45	57	38	15	25	29.66	29.85	10	OVC	150	10.00		59	51	55	75	10	07	29.61	29.80
13	FEW	NC	10.00		80	51	63	37	14	27	29.61	29.80	13	OVC	060	8.00	-RA	59	52	55	78	10	06	29.52	29.70
16	SCT	NC	10.00		82	53	65	37	13	26	29.60	29.79	16	OVC	005	1.00	RA BR	56	54	55	93	10	01	29.44	29.62
19	BKN	150	10.00		73	55	62	53	6	25	29.64	29.83	19	OVC	006	2.00	RA BR	53	51	52	93	16	36	29.42	29.60
22	FEW	NC	9.00		60	54	57	80	3	16	29.72	29.91	22	OVC	006	2.00	-RA BR	50	48	49	93	17	36	29.38	29.56

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

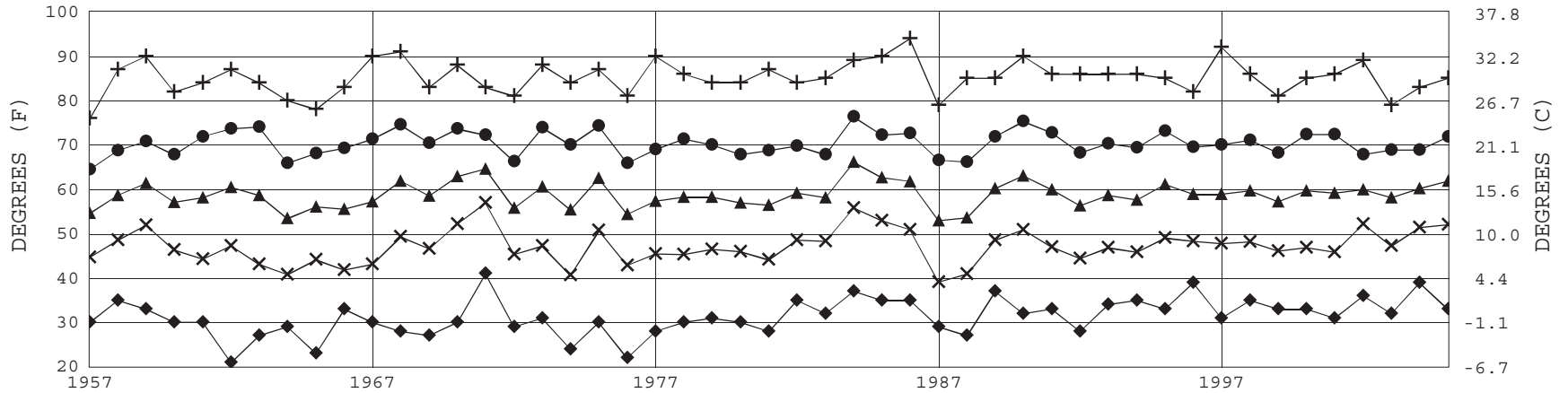
OCTOBER 2005

RIC

WBAN # 13740

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okltas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okltas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
SUNRISE: 0627								OCT 25	SUNSET: 1719								SUNRISE: 0633								OCT 31	SUNSET: 1712							
01	OVC	013			2.00	-RA BR		49	46	47	90	14	35	29.32	29.50	01	CLR	NC			10.00			44	37	41	76	0	00	30.14	30.33		
04	OVC	011			2.00	-RA BR		45	44	45	97	16	32	29.29	29.47	04	CLR	NC			10.00			42	36	39	79	0	00	30.11	30.31		
07	OVC	013			2.00	-RA BR		44	43	44	96	15	30	29.33	29.51	07	CLR	NC			10.00			41	34	38	76	3	15	30.13	30.33		
10	OVC	009			2.00	-RA BR		47	43	45	84	15	29	29.37	29.55	10	FEW	NC			10.00			60	41	51	50	7	22	30.12	30.32		
13	OVC	013			8.00	-RA		50	42	46	75	17	27	29.37	29.55	13	CLR	NC			10.00			74	39	56	28	8	19	30.05	30.24		
16	BKN	070			10.00			50	37	44	61	12	27	29.39	29.58	16	CLR	NC			10.00			76	39	57	26	9	20	30.01	30.21		
19	OVC	035			10.00			46	36	42	68	13	29	29.47	29.65	19	CLR	NC			10.00			57	42	50	57	7	14	30.02	30.21		
22	OVC	035			10.00			44	36	40	73	14	28	29.52	29.70	22	CLR	NC			10.00			50	41	46	71	0	00	30.04	30.23		
SUNRISE: 0628								OCT 26	SUNSET: 1718								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, VV = 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.																																	
01	FEW	NC			10.00			44	35	40	72	9	28	29.55	29.74	01	CLR	NC			10.00			41	35	38	79	8	23	29.62	29.81		
04	CLR	NC			10.00			42	35	39	77	7	25	29.72	29.92	04	CLR	NC			10.00			57	35	47	44	14	31	29.79	29.98		
07	FEW	NC			10.00			64	36	50	35	12	32	29.79	29.98	07	BKN	055			10.00			56	38	47	51	9	33	29.83	30.02		
10	CLR	NC			10.00			50	38	44	63	6	31	29.91	30.11	10	SCT	NC			10.00			45	34	40	66	5	31	29.96	30.15		
13	BKN	055			10.00			39	35	38	85	0	00	29.98	30.18	13	CLR	NC			10.00			36	34	35	94	0	00	30.00	30.19		
16	BKN	070			10.00			36	35	35	98	0	00	30.04	30.24	16	CLR	NC			7.00			36	35	35	98	0	00	30.04	30.24		
19	SCT	NC			10.00			56	33	46	42	6	VR	30.07	30.27	19	SCT	NC			10.00			56	33	46	42	6	VR	30.07	30.27		
22	FEW	NC			10.00			65	32	50	29	5	06	30.03	30.22	22	SCT	NC			10.00			65	32	50	29	5	06	30.03	30.22		
SUNRISE: 0629								OCT 27	SUNSET: 1717								SUMMARY BY HOUR																
AVERAGES																RESULTANT WIND (MPH)																	
HOUR (LST)	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND DIRECTION																						
							STATION	SEA LEVEL			SPEED	DIRECTION																					
01			56	51	53	83	29.84	30.03	8.00	6	3	35																					
02			55	51	53	85	29.83	30.02	7.76	6	3	35																					
03			55	50	53	86	29.83	30.02	7.88	5	3	36																					
04			54	50	52	87	29.83	30.02	7.56	6	3	35																					
05			54	50	52	88	29.83	30.03	7.35	6	3	35																					
06			54	50	52	88	29.84	30.03	6.97	6	2	35																					
07			54	50	52	87	29.85	30.05	7.06	6	2	35																					
08			58	52	55	81	29.87	30.06	7.21	7	3	36																					
09			62	52	57	72	29.87	30.06	7.67	8	3	36																					
10			65	52	58	65	29.86	30.05	8.40	9	3	36																					
11			67	52	59	61	29.86	30.05	9.42	9	3	36																					
12			69	51	59	58	29.84	30.03	9.37	10	3	35																					
13			69	51	60	56	29.82	30.01	9.26	10	3	36																					
14			70	51	60	56	29.81	30.00	9.23	10	3	33																					
15			70	51	60	55	29.80	29.99	9.34	10	4	34																					
16			69	52	60	58	29.80	29.99	8.89	9	2	36																					
17			67	52	59	61	29.81	29.99	8.74	9	3	1																					
18			64	52	58	68	29.81	30.01	8.97	9	3	3																					
19			62	52	57	72	29.83	30.02	9.00	8	2	2																					
20			60	52	56	74	29.84	30.03	8.69	7	3	1																					
21			59	51	55	75	29.84	30.03	8.82	7	3	1																					
22			58	51	55	78	29.85	30.03	8.56	7	3	36																					
23			57	51	54	80	29.84	30.03	8.23	6	3	1																					
24			57	51	54	82	29.84	30.03	8.22	6	3	1																					

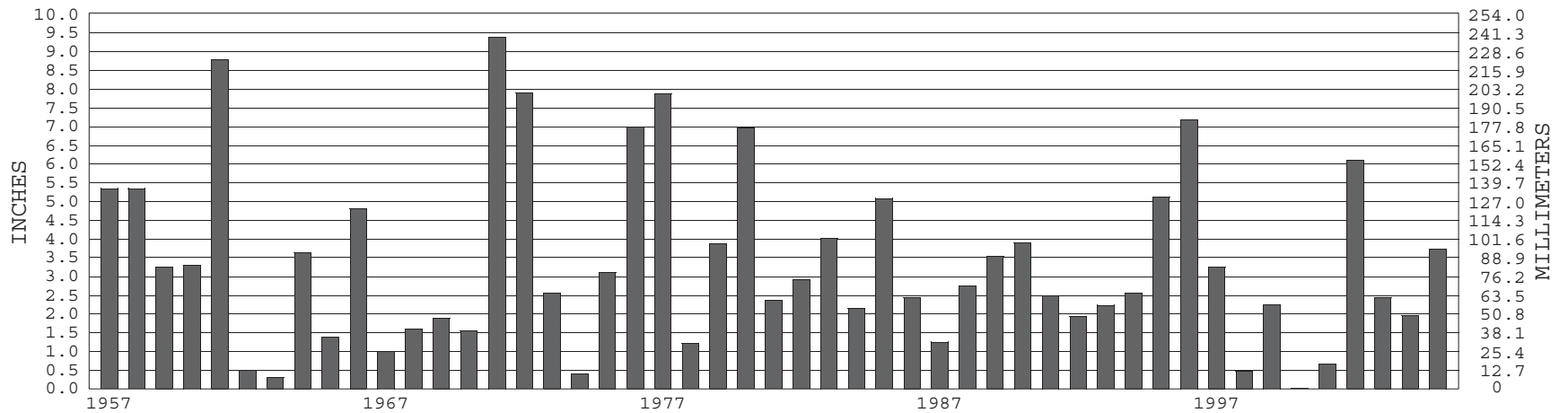
RICHMOND, VA OCTOBER TEMPERATURES



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

Long-Term (1957-2005) Mean: 58.8 1971-2000 Normal: 58.3

RICHMOND, VA OCTOBER PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.38

1971-2000 Normal: 3.60



OCTOBER 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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