



OCTOBER 1999

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

RICHMOND, VA

R.E.BYRD INTERNATIONAL AP. (RIC)
 Lat: 37°30' N Long: 77°19' W Elev (Ground): 164 Feet
 Time Zone: EASTERN WBAN: 13740 ISSN #:0198-537X

OCTOBER 1999
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	72	47	60	-4	49	54	5	0	BR				0.00	29.89	30.10	1.9	21	3.0	17	20	14	21	01						
02	76	49	63	-1	54	57	2	0	BR				0.00	29.99	30.19	4.7	18	4.8	18	19	16	18	02						
03	81*	59	70	6	62	65	0	5	BR				0.00	30.02	30.22	6.3	21	7.6	17	22	15	21	03						
04	76	64	70*	7	65	66	0	5	RA BR				0.06	29.87	30.07	5.5	22	7.5	17	19	14	25	04						
05	64	45	55	-8	47	51	10	0	DZ				T	29.91	30.12	10.2	01	10.9	26	01	21	02	05						
06	68	42	55	-7	45	50	10	0	BR				0.00	29.97	30.17	2.1	25	2.5	14	27	11	27	06						
07	64	45	55	-7	45	49	10	0					0.00	30.17	30.38	5.6	05	6.7	17	02	15	01	07						
08	68	40	54	-7	47	51	11	0					0.00	30.21	30.42	2.9	12	4.4	15	15	11	18	08						
09	76	52	64	3	59	61	1	0	RA				T	30.07	30.27	5.7	21	6.4	20	22	16	24	09						
10	71	63	67	6	66	66	0	2	RA BR				0.15	29.90	30.10	8.4	21	8.9	21	22	17	22	10						
11	75	57	66	6	63	65	0	1	RA BR				0.03	29.92	30.12	1.8	35	5.7	14	02	11	02	11						
12	70	48	59	0	48	53	6	0					0.00	30.12	30.32	4.4	06	6.0	18	08	15	07	12						
13	70	49	60	1	57	59	5	0	RA				T	29.86	30.07	5.3	21	6.0	24	24	22	24	13						
14	65	46	56	-3	44	51	9	0					0.00	29.85	30.05	6.7	34	10.5	28	32	23	32	14						
15	68	39	54	-5	45	50	11	0					0.00	30.07	30.28	2.5	10	3.8	13	12	10	12	15						
16	77	48	63	5	57	59	2	0	BR				0.00	29.97	30.18	2.1	05	3.6	11	11	9	08	16						
17	66	62	64	6	64	64	1	0	RA DZ FG BR				0.79	29.65	29.85	8.7	02	9.0	24	01	17	01	17						
18	65	46	56	-2	46	52	9	0	RA BR				0.02	29.73	29.94	13.1	35	13.5	34*	35	28*	34	18						
19	65	44	55	-2	46	50	10	0					0.00	30.09	30.30	3.8	06	4.6	14	06	11	04	19						
20	57	51	54	-3	51	52	11	0	RA BR				1.19	29.98	30.19	5.8	36	6.5	18	01	15	01	20						
21	64	44	54	-3	45	49	11	0	MIFG BR				0.00	29.90	30.11	2.8	36	3.9	15	03	11	02	21						
22	67	40	54	-2	47	50	11	0	RA BCFG BR				0.01	29.52	29.73	5.7	20	8.0	33	30	24	30	22						
23	58	38	48	-8	37	44	17	0	BCFG				0.00	29.54	29.74	7.9	29	8.6	25	29	22	29	23						
24	57	33	45*	-11	37	41	20	0					0.00	29.82	30.03	6.3	32	7.6	23	32	17	31	24						
25	60	33*	47	-8	38	42	18	0					0.00	30.05	30.26	3.0	21	4.4	15	22	11	22	25						
26	68	37	53	-2	43	47	12	0					0.00	29.94	30.14	7.7	21	7.9	20	21	17	21	26						
27	66	40	53	-2	42	47	12	0					0.00	30.00	30.21	5.8	01	6.2	20	35	16	01	27						
28	62	38	50	-5	43	46	15	0					0.00	30.18	30.39	1.2	36	2.6	10	06	8	07	28						
29	69	41	55	1	48	51	10	0	BR FU				0.00	30.16	30.37	1.3	17	1.8	9	19	8	16	29						
30	72	40	56	2	54	55	9	0	FG BR				0.00	30.20	30.40	2.6	16	2.8	14	17	11	18	30						
31	78	49	64	10	59	60	1	0	BR				0.00	30.10	30.31	3.8	21	4.0	16	20	14	22	31						
68.2 46.1 57.2 ■■										50.1 53.5		8.0 0.4		< MONTHLY AVERAGES		TOTALS-->		2.25 29.96 30.16		0.8 31 6.1		<- MONTHLY AVERAGES							
-2.5 - .4 -1.4 ■■										<----- DEPARTURE FROM NORMAL ----->										-1.28				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3					
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.19 DATE: 20										SEA LEVEL PRESSURE DATE TIME									
MONTHLY										GREATEST 24-HR SNOWFALL:										MAXIMUM : 30.49 08 0954									
TOTAL DEPARTURE										SEASON TO DATE										MINIMUM : 29.54 22 1754									
HEATING: 249 16										TOTAL DEPARTURE 278 22										PRECIPITATION ≥ 0.01 INCH : 7									
COOLING: 13 -21										1360 12										PRECIPITATION ≥ 0.10 INCH : 3									
										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0									
																				MINIMUM TEMP ≤ 32: 0									
																				MAXIMUM TEMP ≤ 32: 0									
																				MINIMUM TEMP ≤ 0: 0									
																				THUNDERSTORMS : 0									
																				HEAVY FOG : 0									
																				PRECIPITATION ≥ 1.0 INCH :									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

OCTOBER 1999

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									0.01				04	T		T	0.02	0.03	T	T					04		0.06		
05	T	T											05												05		T		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09				T								09		T		
10		T	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	10	T	0.01				T	T	T	T		10		0.15			
11							0.03	T				T	11											11		0.03			
12													12											12		0.00			
13													13		T	T								13		T			
14													14											14		0.00			
15													15											15		0.00			
16													16											16		0.00			
17	0.02			T		T	T	T	T	0.01	0.01	0.06	17	0.07	0.05	0.05	0.06	0.07	0.06	0.08	0.06	0.02	0.11	0.07	0.01	17	0.79		
18		T											18											18		0.02			
19													19											19		0.00			
20		T	0.02	0.08	0.06	0.13	0.03	0.03	0.14	0.24	0.20	0.14	20	0.08	T	0.03	0.01	0.01	T	0.01	T	0.01		20	1.22	1.19			
21													21											21		0.00			
22													22								T	0.01		22		0.01			
23													23											23		0.00			
24													24											24		0.00			
25													25											25		0.00			
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)												
Ending Date												
Ending Time (Hour/Min)												

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.

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

OCTOBER 1999

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 Ok/as			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as			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: 0615								OCT 13								SUNSET: 1736								SUNRISE: 0621								OCT 19								SUNSET: 1727							
01	SCT	NC				10.00		51	49	50	92	0	00	30.06	30.27	01	CLR	NC					10.00		47	42	45	83	0	00	30.03	30.23															
04	BKN	200				10.00		50	48	49	93	0	00	30.02	30.22	04	CLR	NC				10.00		44	42	43	93	7	03	30.07	30.27																
07	OVC	250				10.00		52	50	51	93	0	00	30.00	30.20	07	BKN	140				10.00		46	43	45	89	7	02	30.13	30.33																
10	BKN	200				10.00		66	58	61	75	7	19	29.96	30.16	10	BKN	150				10.00		55	46	50	72	5	03	30.16	30.36																
13	OVC	033				10.00		69	61	64	76	6	VR	29.87	30.07	13	OVC	250				10.00		63	44	53	50	0	00	30.12	30.33																
16	OVC	050				10.00		68	62	64	81	9	21	29.78	29.98	16	SCT	NC				10.00		64	47	55	54	6	10	30.08	30.28																
19	BKN	250				10.00		62	61	61	96	7	20	29.69	29.90	19	OVC	060				10.00		59	51	55	75	5	07	30.10	30.30																
22	OVC	029				10.00		65	62	63	90	10	22	29.67	29.86	22	BKN	095				10.00		56	52	54	85	3	04	30.08	30.29																
SUNRISE: 0616								OCT 14								SUNRISE: 0622								OCT 20								SUNSET: 1726															
01	BKN	021				10.00		64	60	62	87	16	24	29.64	29.84	01	OVC	048				10.00		56	51	53	84	0	00	30.04	30.24																
04	CLR	NC				10.00		61	56	58	84	12	30	29.67	29.87	04	OVC	055				6.00	-RA	BR	54	52	53	93	8	31	30.02	30.22															
07	CLR	NC				10.00		55	45	50	69	6	29	29.77	29.97	07	OVC	003				2.50	-RA	BR	53	52	52	96	5	03	29.98	30.18															
10	CLR	NC				10.00		62	40	51	44	22	34	29.83	30.03	10	OVC	005				2.50	+RA	BR	52	52	52	100	6	05	30.00	30.20															
13	CLR	NC				10.00		63	36	50	37	13	02	29.87	30.07	13	OVC	007				10.00	-RA		53	52	52	96	10	01	29.96	30.16															
16	CLR	NC				10.00		63	37	50	38	10	35	29.90	30.10	16	OVC	090				9.00	-RA		52	50	51	93	10	36	29.94	30.14															
19	CLR	NC				10.00		50	44	47	80	3	04	29.97	30.17	19	OVC	100				7.00	-RA		52	51	52	97	5	34	29.98	30.18															
22	CLR	NC				10.00		51	40	46	66	14	06	30.02	30.22	22	OVC	065				5.00	BR		52	51	52	97	3	35	29.97	30.17															
SUNRISE: 0617								OCT 15								SUNRISE: 0623								OCT 21								SUNSET: 1725															
01	CLR	NC				10.00		44	40	42	85	0	00	30.03	30.24	01	BKN	150				4.00	BR		51	50	51	96	5	31	29.97	30.17															
04	CLR	NC				10.00		42	39	41	89	0	00	30.05	30.26	04	CLR	NC				1.75	BR		47	47	47	100	0	00	29.96	30.16															
07	CLR	NC				10.00		42	40	41	92	3	33	30.10	30.30	07	BKN	150				8.00			45	43	44	93	7	35	29.97	30.17															
10	CLR	NC				10.00		60	44	52	56	8	07	30.13	30.33	10	SCT	NC				10.00		54	48	51	80	7	05	29.97	30.17																
13	CLR	NC				10.00		65	45	54	49	7	17	30.08	30.28	13	SCT	NC				10.00		62	43	52	50	8	35	29.92	30.12																
16	FEW	NC				10.00		67	46	56	47	8	10	30.04	30.24	16	SCT	NC				10.00		62	42	52	48	3	VR	29.86	30.06																
19	CLR	NC				10.00		57	51	54	81	8	11	30.07	30.27	19	FEW	NC				10.00		50	48	49	93	0	00	29.85	30.06																
22	CLR	NC				10.00		54	52	53	93	0	00	30.07	30.27	22	CLR	NC				10.00		46	45	46	96	0	00	29.82	30.03																
SUNRISE: 0618								OCT 16								SUNRISE: 0624								OCT 22								SUNSET: 1723															
01	CLR	NC				10.00		50	49	49	96	0	00	30.05	30.25	01	CLR	NC				10.00		46	44	45	93	3	20	29.76	29.97																
04	CLR	NC				9.00		50	49	49	96	0	00	30.03	30.23	04	CLR	NC				5.00	BR		41	41	41	100	3	17	29.70	29.90															
07	CLR	NC				8.00		49	49	49	100	5	35	30.03	30.23	07	CLR	NC				3.00	BR		41	41	41	100	5	20	29.65	29.86															
10	BKN	048				10.00		62	59	60	90	3	02	30.04	30.24	10	CLR	NC				10.00		58	47	52	67	13	20	29.59	29.79																
13	BKN	032				10.00		73	61	66	66	7	12	29.97	30.17	13	FEW	NC				10.00		65	47	55	52	14	20	29.46	29.66																
16	SCT	NC				10.00		74	61	66	64	7	09	29.92	30.12	16	BKN	250				10.00		66	47	56	50	14	20	29.35	29.55																
19	OVC	060				10.00		65	62	63	90	0	00	29.92	30.12	19	OVC	180				10.00		60	50	55	70	9	19	29.35	29.55																
22	OVC	035				10.00		66	63	64	90	0	00	29.90	30.11	22	BKN	100				10.00		52	52	52	100	3	32	29.42	29.62																
SUNRISE: 0619								OCT 17								SUNRISE: 0625								OCT 23								SUNSET: 1722															
01	SCT	NC				7.00		63	62	62	97	7	36	29.84	30.04	01	FEW	NC				8.00		48	48	48	100	0	00	29.42	29.62																
04	OVC	001				0.50	FG	62	62	62	100	6	01	29.81	30.01	04	CLR	NC				10.00		45	44	45	97	3	30	29.42	29.62																
07	OVC	002				1.50	BR	63	63	63	100	7	02	29.78	29.98	07	FEW	NC				10.00		43	41	42	93	3	32	29.47	29.67																
10	OVC	002				1.50	-RA	BR	65	65	65	100	9	04	29.75	29.95	10	BKN	095			10.00		52	37	45	57	13	32	29.52	29.72																
13	OVC	004				3.00	-RA	BR	66	65	65	96	10	03	29.65	29.85	13	SCT	NC			10.00		57	33	46	41	17	26	29.51	29.71																
16	OVC	004				3.00	-RA		66	66	66	100	9	02	29.56	29.76	16	BKN	085			10.00		55	34	45	45	12	28	29.56	29.76																
19	OVC	004				3.00	RA		65	64	64	97	13	02	29.50	29.70	19	FEW	NC			10.00		48	33	41	56	10	28	29.64	29.84																
22	OVC	004				3.00	RA	BR	63	63	63	100	15	01	29.44	29.65	22	CLR	NC			10.00		44	34	40	68	7	26	29.67	29.88																
SUNRISE: 0620								OCT 18								SUNRISE: 0626								OCT 24								SUNSET: 1721															
01	OVC	006				3.00	RA	BR	63	62	62	97	12	36	29.42	29.62	01	CLR	NC			10.00		41	34	38	76	8	27	29.68	29.88																
04	OVC	015				9.00		61	58	59	90	21	35	29.45	29.65	04	FEW	NC				10.00		38	35	37	89	6	22	29.70	29.91																
07	FEW	NC				10.00		57	50	53	78	17	34	29.58	29.78	07	FEW	NC				10.00		36	35	36	97	3	27	29.76	29.97																
10	FEW	NC				10.00		60	45	52	58	20	34	29.71	29.92	10	BKN	070				10.00		52	39	46	61	10	34	29.84	30.04																
13	CLR	NC				10.00		64	38	51	38	18	36	29.77	29.97	13	OVC	055				10.00		53	37	46	55	13	35	29.83	30.03																
16	CLR	NC				10.00		63	37	50	38	13	36	29.84	30.04	16	BKN	060				10.00		54	38	46	55	12	32	29.84	30.05																
19	CLR	NC				10.00		52	44	48	75	3	02	29.93	30.13	19	SCT	NC				10.00		48	36	43	63	10	34	29.90	30.11																
22	CLR	NC				10.00		48	43	46	83	3	04	29.99	30.19	22	CLR	NC				10.00		43	36	40	76	6	31	29.96	30.16																

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

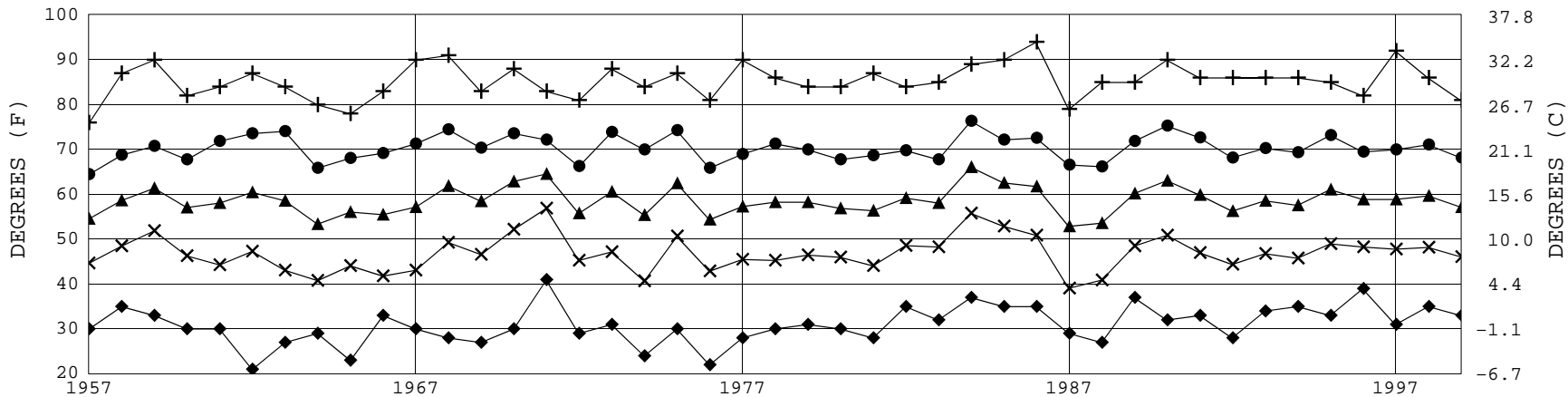
OCTOBER 1999

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		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT
SUNRISE: 0627								OCT 25	SUNSET: 1720								SUNRISE: 0633								OCT 31	SUNSET: 1713							
01	CLR	NC				10.00		39	35	37	86	0	00	29.99	30.19	01	CLR	NC				5.00	BR		55	55	55	100	0	00	30.20	30.40	
04	CLR	NC				10.00		34	34	34	100	0	00	30.02	30.23	04	CLR	NC				3.00	BR		49	49	49	100	0	00	30.18	30.38	
07	CLR	NC				9.00		35	35	35	100	3	VR	30.08	30.29	07	CLR	NC				2.50	BR		49	49	49	100	0	00	30.18	30.39	
10	CLR	NC				10.00		50	34	43	54	3	VR	30.12	30.33	10	CLR	NC				10.00			67	63	64	87	7	22	30.17	30.37	
13	CLR	NC				10.00		57	38	48	49	5	VR	30.08	30.28	13	SCT	NC				10.00			77	64	69	64	9	21	30.07	30.27	
16	CLR	NC				10.00		59	40	50	49	10	19	30.03	30.23	16	BKN	250				10.00			75	64	68	69	9	20	30.02	30.22	
19	CLR	NC				10.00		46	43	45	89	7	19	30.04	30.24	19	BKN	250				10.00			65	63	64	93	0	00	30.04	30.24	
22	CLR	NC				10.00		43	41	42	93	9	20	30.05	30.26	22	SCT	NC				8.00			61	61	61	100	5	19	30.04	30.24	
SUNRISE: 0628								OCT 26	SUNSET: 1719								3-HOURLY OBSERVATION NOTES																
01	CLR	NC				10.00		42	40	41	92	6	21	30.04	30.24	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.																	
04	CLR	NC				10.00		40	39	40	97	6	20	30.01	30.21	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																	
07	FEW	NC				10.00		39	38	39	96	5	20	30.01	30.22	NC= No ceiling detected.																	
10	SCT	NC				10.00		57	44	50	62	12	22	29.99	30.19	& = Original observation contained additional weather elements.																	
13	BKN	250				10.00		64	43	53	46	13	22	29.91	30.11	See page 3 for additional notes.																	
16	FEW	NC				10.00		67	41	54	39	15	21	29.85	30.05																		
19	CLR	NC				10.00		51	45	48	80	8	21	29.88	30.08																		
22	CLR	NC				10.00		51	46	49	83	5	20	29.90	30.10																		
SUNRISE: 0629								OCT 27	SUNSET: 1717																								
01	CLR	NC				10.00		45	44	45	97	0	00	29.88	30.09																		
04	CLR	NC				10.00		44	44	44	100	0	00	29.90	30.10																		
07	CLR	NC				10.00		44	42	43	93	5	VR	29.96	30.16																		
10	CLR	NC				10.00		60	41	51	50	12	01	30.01	30.21																		
13	CLR	NC				10.00		65	39	52	39	13	03	29.99	30.19																		
16	CLR	NC				10.00		64	41	52	43	10	35	30.01	30.21																		
19	CLR	NC				10.00		51	44	48	77	6	03	30.08	30.28																		
22	CLR	NC				10.00		49	43	46	80	0	00	30.12	30.32																		
SUNRISE: 0630								OCT 28	SUNSET: 1716																								
01	CLR	NC				10.00		42	41	42	96	7	02	30.14	30.35																		
04	CLR	NC				10.00		39	39	39	100	7	01	30.17	30.37																		
07	CLR	NC				9.00		40	40	40	100	3	33	30.21	30.42																		
10	CLR	NC				10.00		53	45	49	74	0	00	30.24	30.45																		
13	CLR	NC				10.00		60	44	52	56	0	00	30.19	30.40																		
16	FEW	NC				10.00		62	44	53	52	0	00	30.15	30.35																		
19	FEW	NC				10.00		48	47	47	96	5	14	30.16	30.37																		
22	CLR	NC				10.00		45	45	45	100	0	00	30.16	30.37																		
SUNRISE: 0631								OCT 29	SUNSET: 1715																								
01	CLR	NC				10.00		43	43	43	100	0	00	30.15	30.35																		
04	CLR	NC				8.00		41	41	41	100	0	00	30.14	30.35																		
07	SCT	NC				4.00	BR FU	41	41	41	100	0	00	30.17	30.37																		
10	CLR	NC				10.00		59	51	55	75	5	VR	30.20	30.40																		
13	SCT	NC				10.00		67	52	59	59	5	VR	30.15	30.35																		
16	FEW	NC				10.00		68	51	59	55	5	18	30.14	30.34																		
19	BKN	250				10.00		54	54	54	100	0	00	30.16	30.37																		
22	CLR	NC				9.00		51	50	51	96	3	14	30.18	30.39																		
SUNRISE: 0632								OCT 30	SUNSET: 1714																								
01	FEW	NC				6.00	BR	46	46	46	100	0	00	30.17	30.38																		
04	FEW	NC				5.00	BR	42	42	42	100	0	00	30.18	30.38																		
07	SCT	NC				0.75	BR	49	46	48	90	0	00	30.22	30.42																		
10	SCT	NC				8.00		59	56	57	90	3	13	30.24	30.45																		
13	SCT	NC				10.00		70	57	62	64	9	16	30.20	30.40																		
16	FEW	NC				10.00		71	62	66	73	8	18	30.17	30.37																		
19	FEW	NC				10.00		58	58	58	100	7	12	30.19	30.40																		
22	CLR	NC				5.00	BR	57	57	57	100	0	00	30.22	30.42																		

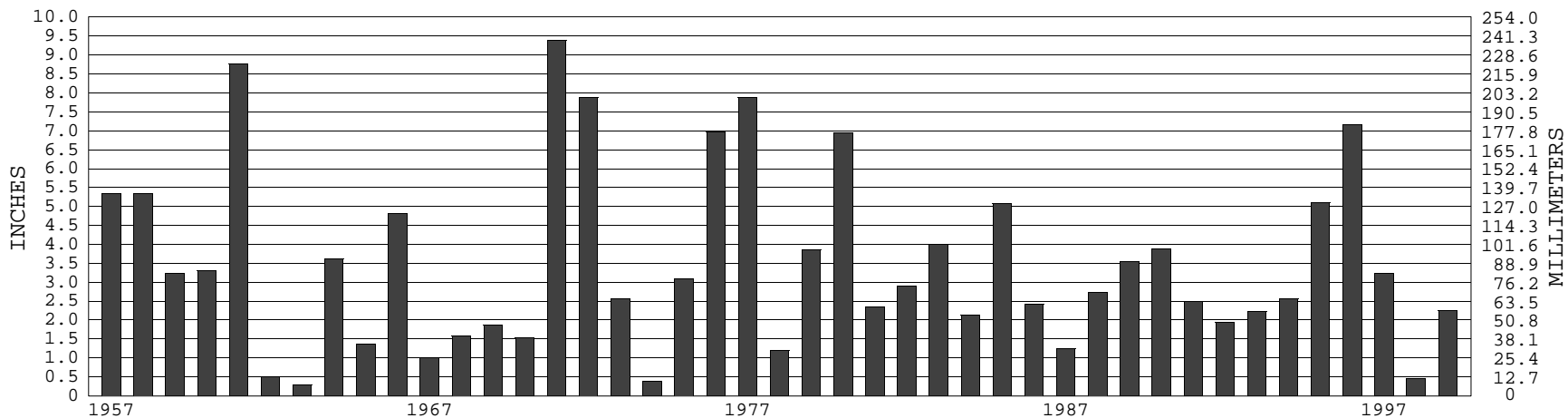
RICHMOND, VA OCTOBER TEMPERATURES



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

Long-Term (1957-1999) Mean: 58.6 1961-1990 Normal: 58.6

RICHMOND, VA OCTOBER PRECIPITATION



Long-Term (1957-1999) Mean Monthly Total: 3.51

1961-1990 Normal: 3.53



**OCTOBER 1999
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.

DIRECTOR

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at
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