



SEPTEMBER 2000

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): 165 Feet
 Time Zone: EASTERN WBAN: 13740 ISSN #:0198-537X

SEPTEMBER 2000
 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	83	74	79	5	74	75	0	14	TS TSRA RA BR				0.33	29.87	30.06	5.3	12	5.7	17	16	15	13	01						
02	86	72	79*	5	74	75	0	14	RA FG+ BR				0.07	29.80	29.98	3.7	15	4.6	20	09	17	09	02						
03	80	70	75	1	72	73	0	10	TSRA RA BR				0.48	29.72	29.90	4.9	17	5.3	24	17	18	16	03						
04	86	70	78	4	72	74	0	13	TSRA RA BR				0.35	29.69	29.87	2.3	26	5.5	24	36	21	36	04						
05	71	57	64	-9	57	60	1	0	DZ				T	29.99	30.18	12.4	03	12.6	26	02	21	02	05						
06	70	54	62	-11	53	57	3	0					0.00	30.17	30.36	10.2	04	10.7	23	08	20	06	06						
07	76	54	65	-8	56	59	0	0					0.00	30.12	30.31	4.9	04	6.0	17	07	14	05	07						
08	79	55	67	-6	60	63	0	2	BCFG BR				0.00	30.00	30.19	2.0	18	2.7	13	20	10	23	08						
09	83	61	72	0	64	67	0	7					0.00	29.95	30.13	2.1	19	2.9	13	20	9	24	09						
10	84	63	74	2	65	68	0	9					0.00	29.95	30.14	3.5	12	4.2	15	11	12	14	10						
11	82	63	73	1	65	68	0	8	FG+ BR				0.00	29.94	30.13	3.4	14	4.0	15	09	10	18	11						
12	84	66	75	4	68	70	0	10	FG+ BR				0.00	29.84	30.03	5.0	20	5.4	16	20	14	20	12						
13	85	67	76	5	68	70	0	11					0.00	29.79	29.97	2.8	06	5.8	16	05	13	01	13						
14	83	66	75	4	69	71	0	10	TS TSRA RA BR				0.17	29.74	29.92	4.8	15	7.4	32	23	28*	22	14						
15	79	56	68	-2	57	63	0	3	TSRA BR HZ				0.42	29.60	29.78	6.0	32	9.9	32*	22	25	22	15						
16	70	51	61	-9	47	53	4	0					0.00	29.81	30.00	5.7	33	7.0	21	31	17	31	16						
17	69	47	58	-12	48	53	7	0					0.00	29.98	30.17	2.9	26	6.2	17	23	14	24	17						
18	70	50	60	-9	55	58	5	0	RA DZ				0.01	29.94	30.14	2.5	09	3.9	12	04	10	11	18						
19	76	63	70	1	65	66	0	5	RA DZ BR				0.05	29.73	29.92	1.1	31	8.8	26	28	20	29	19						
20	86*	60	73	4	65	68	0	8	BR				0.00	29.77	29.96	9.4	21	9.7	23	21	17	21	20						
21	80	62	71	2	62	66	0	6	RA				T	29.75	29.94	4.4	25	8.6	22	22	18	21	21						
22	73	53	63	-5	54	58	2	0	RA				0.03	29.99	30.17	4.3	09	6.4	17	11	14	15	22						
23	73	61	67	-1	66	66	0	2	RA DZ BR				T	29.79	29.98	4.4	01	5.1	13	02	12	01	23						
24	83	65	74	7	68	70	0	9	RA FG BR				0.08	29.64	29.83	1.0	25	5.7	16	03	14	03	24						
25	69	53	61	-6	57	57	4	0	RA DZ BR				1.47	29.67	29.86	10.0	03	10.4	25	04	22	04	25						
26	55	49	52*	-14	50	51	13	0	RA BR				0.14	29.77	29.96	11.7	35	12.0	23	34	18	36	26						
27	69	47	58	-8	49	53	7	0					0.00	29.99	30.18	2.7	35	3.6	15	33	12	30	27						
28	74	47	61	-4	52	55	4	0	BR				0.00	29.98	30.18	4.9	03	5.0	16	02	13	03	28						
29	68	50	59	-6	51	54	6	0					0.00	30.16	30.35	8.3	03	8.7	22	02	16	02	29						
30	72	47*	60	-5	54	56	5	0					0.00	30.11	30.30	4.4	05	5.8	15	04	10	11	30						
< MONTHLY AVERAGES										TOTALS-->				3.60	29.87	30.06	1.5	04	6.7	<- MONTHLY AVERAGES									
-4.3										-0.6				-2.5				<----- DEPARTURE FROM NORMAL ----->											
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.52				DATE: 25-26				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL:				DATE:				MAXIMUM				: 30.40				29 0954			
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:				DATE:				MINIMUM				: 29.72				15 0354			
HEATING: 61 38										NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH: 12							
COOLING: 141 -32										2133 -81				MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 7							
														THUNDERSTORMS: 5				HEAVY FOG: 3				SNOWFALL ≥ 1.0 INCH: :							

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

SEPTEMBER 2000 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							0.03	0.08	0.20	0.01	0.01		01			T					T	T			01		0.33		
02					0.03		T		T				02												02		0.07		
03	T			0.13	0.12	T						0.01	03	T	T		0.10	0.01						03		0.48			
04	T												04								0.02	0.28	0.05	T	04		0.35		
05				T	T								05												05		T		
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	T							0.17	14		0.17		
15	0.42	T											15												15		0.42		
16													16												16		0.00		
17													17												17		0.00		
18													18			T	T	T	T			T		0.01	18		0.01		
19	T	0.03	T	0.01	T	T			0.01	T	T	T	19												19		0.05		
20													20												20		0.00		
21									T				21												21		T		
22													22									0.01	0.01	0.01	22		0.03		
23	T	T		T	T	T	T						23	T	T									T	23		T		
24													24								0.01	0.01	0.02	0.04	24		0.08		
25	0.06		0.11	0.06	T	T	0.08	0.10	0.07	0.01	T	0.17	25	0.07	0.03	0.03	T	0.02	0.01	0.18	0.11	T	0.17	0.16	0.03	25		1.47	
26	0.03	0.08	0.03	T							T	T	26	T											26		0.14		
27													27												27		0.00		
28													28												28		0.00		
29													29												29		0.00		
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)	.15	.25	.32	.34	.39	.54	.59	.59	.59	.59	.59	.59
Ending Date	01	15	15	15	15	15	15	15	15	15	15	15
Ending Time (Hour/Min)	0813	0027	0027	0033	0037	0030	0041	0041	0041	0041	0041	0041

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
SEPTEMBER 2000

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: 0540					SEP 01					SUNSET: 1838					SUNRISE: 0545					SEP 07					SUNSET: 1829				
01	OVC	006		4.00	BR	74	74	74	100	6	14	29.89	30.08	01	SCT	NC		10.00		56	53	54	90	7	01	30.17	30.36		
04	OVC	005		5.00	BR	74	74	74	100	3	11	29.89	30.08	04	SCT	NC		10.00		54	52	53	93	9	01	30.15	30.35		
07	OVC	004		2.00	BR	75	75	75	100	6	12	29.91	30.09	07	CLR	NC		10.00		57	53	55	87	8	03	30.18	30.37		
10	BKN	008		5.00	-RA BR	78	76	77	93	3	05	29.91	30.10	10	BKN	025		10.00		67	56	61	68	10	03	30.19	30.39		
13	BKN	200		10.00		81	75	77	82	8	09	29.88	30.07	13	SCT	NC		10.00		72	57	63	60	3	VR	30.14	30.33		
16	SCT	NC		10.00		82	74	76	77	8	14	29.83	30.02	16	SCT	NC		10.00		75	57	64	54	7	07	30.07	30.25		
19	SCT	NC		10.00		77	74	75	90	7	11	29.83	30.02	19	SCT	NC		10.00		66	60	62	81	5	11	30.05	30.24		
22	SCT	NC		5.00	BR	75	74	74	96	6	16	29.85	30.04	22	CLR	NC		10.00		62	59	60	90	6	12	30.06	30.25		
SUNRISE: 0541					SEP 02					SUNSET: 1836					SUNRISE: 0546					SEP 08					SUNSET: 1827				
01	OVC	001		0.50	FG	74	74	74	100	3	09	29.83	30.02	01	CLR	NC		10.00		59	58	58	96	0	00	30.04	30.23		
04	OVC	001		1.00	BR	75	75	75	100	3	15	29.82	30.01	04	FEW	NC		10.00	BCFG	56	54	55	93	0	00	30.02	30.21		
07	VV	001		0.25	FG	75	75	75	100	0	00	29.84	30.03	07	FEW	NC		9.00		60	59	59	96	0	00	30.04	30.23		
10	OVC	012		2.00	BR	78	74	75	87	9	16	29.83	30.02	10	OVC	250		10.00		72	58	64	61	5	18	30.04	30.23		
13	BKN	150		8.00		82	74	76	77	5	23	29.80	29.99	13	BKN	250		10.00		74	59	65	60	0	00	29.99	30.18		
16	OVC	150		10.00		85	73	77	68	0	00	29.74	29.93	16	BKN	250		10.00		75	61	66	62	6	20	29.94	30.13		
19	OVC	150		10.00		80	76	77	87	0	00	29.74	29.93	19	OVC	150		10.00		71	64	67	79	3	15	29.95	30.14		
22	OVC	100		10.00		74	71	72	91	3	11	29.77	29.96	22	BKN	250		10.00		69	64	66	84	5	20	29.97	30.16		
SUNRISE: 0541					SEP 03					SUNSET: 1835					SUNRISE: 0546					SEP 09					SUNSET: 1826				
01	OVC	080		5.00	BR	72	72	72	100	5	13	29.74	29.93	01	SCT	NC		10.00		64	63	63	96	0	00	29.95	30.14		
04	OVC	035		4.00	+RA BR	71	70	70	96	0	00	29.74	29.93	04	FEW	NC		10.00		61	60	60	97	0	00	29.94	30.13		
07	OVC	038		10.00		71	70	70	96	0	00	29.75	29.94	07	BKN	150		8.00		64	63	63	96	0	00	29.97	30.16		
10	BKN	150		8.00		78	74	75	87	7	17	29.76	29.94	10	BKN	150		10.00		75	63	67	66	6	23	29.98	30.17		
13	OVC	140		10.00		79	73	75	82	7	15	29.71	29.90	13	BKN	150		10.00		81	63	69	54	6	21	29.95	30.14		
16	OVC	140		10.00		77	74	75	90	5	14	29.67	29.85	16	FEW	NC		10.00		82	63	70	53	5	VR	29.91	30.10		
19	OVC	075		10.00		76	74	75	94	5	16	29.67	29.86	19	SCT	NC		10.00		74	65	68	74	3	16	29.91	30.10		
22	OVC	130		10.00		73	72	72	96	8	19	29.69	29.88	22	CLR	NC		10.00		71	66	68	84	3	14	29.94	30.13		
SUNRISE: 0542					SEP 04					SUNSET: 1833					SUNRISE: 0547					SEP 10					SUNSET: 1824				
01	OVC	006		10.00		72	72	72	100	5	20	29.67	29.86	01	CLR	NC		10.00		67	64	65	91	5	15	29.94	30.13		
04	OVC	004		7.00		73	72	72	96	5	21	29.65	29.84	04	CLR	NC		10.00		65	62	63	90	0	00	29.94	30.13		
07	OVC	018		6.00	BR	74	72	73	94	6	26	29.68	29.87	07	CLR	NC		10.00		67	64	65	91	0	00	29.97	30.16		
10	OVC	150		10.00		77	72	74	85	7	28	29.69	29.88	10	CLR	NC		10.00		80	67	71	64	6	07	29.98	30.16		
13	BKN	150		10.00		82	72	75	72	7	33	29.67	29.86	13	SCT	NC		10.00		83	65	71	55	5	07	29.95	30.14		
16	BKN	150		10.00		83	73	76	72	6	VR	29.65	29.84	16	SCT	NC		10.00		81	65	71	58	5	12	29.92	30.11		
19	OVC	140		9.00		78	74	75	87	3	20	29.68	29.87	19	FEW	NC		10.00		73	67	69	81	6	12	29.91	30.10		
22	OVC	029		4.00	TSRA BR	72	71	71	97	0	00	29.77	29.96	22	CLR	NC		10.00		68	65	66	90	5	13	29.96	30.14		
SUNRISE: 0543					SEP 05					SUNSET: 1832					SUNRISE: 0548					SEP 11					SUNSET: 1823				
01	OVC	022		8.00		71	69	70	94	12	01	29.77	29.96	01	BKN	043		10.00		66	64	65	93	5	12	29.97	30.15		
04	OVC	018		9.00	DZ	67	63	64	87	17	03	29.84	30.03	04	SCT	NC		8.00		64	64	64	100	0	00	29.94	30.13		
07	OVC	030		10.00		65	56	60	73	17	04	29.93	30.12	07	SCT	NC		0.50	BR	65	64	64	97	3	10	29.99	30.18		
10	OVC	025		10.00		63	54	58	73	14	03	30.00	30.19	10	SCT	NC		10.00		75	66	69	74	5	19	29.99	30.18		
13	OVC	023		10.00		63	55	58	76	17	02	30.02	30.21	13	BKN	250		10.00		79	64	69	60	5	09	29.94	30.13		
16	OVC	025		10.00		63	55	58	76	12	03	30.04	30.23	16	SCT	NC		10.00		82	64	70	55	7	19	29.90	30.09		
19	OVC	027		10.00		61	55	58	81	10	02	30.07	30.26	19	SCT	NC		10.00		75	67	70	76	7	14	29.90	30.09		
22	BKN	200		10.00		61	54	57	78	9	05	30.11	30.31	22	CLR	NC		10.00		69	67	68	93	7	13	29.90	30.09		
SUNRISE: 0544					SEP 06					SUNSET: 1830					SUNRISE: 0549					SEP 12					SUNSET: 1821				
01	SCT	NC		10.00		56	50	53	81	10	02	30.11	30.31	01	SCT	NC		8.00		68	66	67	93	0	00	29.90	30.09		
04	FEW	NC		10.00		55	50	52	83	12	01	30.12	30.31	04	OVC	002		2.00	BR	68	67	67	96	0	00	29.89	30.08		
07	OVC	250		10.00		56	51	53	84	13	02	30.16	30.36	07	VV	001		0.06	FG	68	68	68	100	5	18	29.90	30.09		
10	OVC	250		10.00		66	53	59	63	12	06	30.20	30.39	10	BKN	020		9.00		78	69	72	74	8	23	29.89	30.08		
13	OVC	050		10.00		69	54	60	59	10	07	30.19	30.39	13	BKN	250		10.00		81	69	73	67	7	19	29.83	30.02		
16	OVC	250		10.00		68	54	60	61	13	04	30.16	30.35	16	SCT	NC		10.00		84	67	73	57	9	20	29.78	29.97		
19	OVC	250		10.00		62	54	58	75	7	03	30.18	30.37	19	FEW	NC		10.00		76	69	71	79	7	16	29.76	29.95		
22	BKN	250		10.00		58	54	56	87	6	03	30.20	30.40	22	FEW	NC		10.00		71	69	70	94	3	18	29.79	29.98		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
SEPTEMBER 2000

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 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0550 SEP 13								SUNSET: 1819								SUNRISE: 0555 SEP 19								SUNSET: 1810							
01	SCT	NC			10.00			70	67	68	90	6	19	29.77	29.96	01	OVC	004			6.00	DZ	BR	64	63	63	96	10	04	29.82	30.01
04	SCT	NC			10.00			69	67	68	93	3	20	29.75	29.94	04	OVC	003			1.50	DZ	BR	66	66	66	100	10	07	29.73	29.92
07	OVC	150			10.00			70	67	68	90	8	23	29.78	29.97	07	OVC	002			0.75	BR	69	69	69	100	7	08	29.67	29.86	
10	SCT	NC			10.00			79	69	72	72	10	04	29.81	30.00	10	OVC	028			10.00		73	69	70	87	16	20	29.65	29.84	
13	SCT	NC			10.00			82	67	72	60	8	07	29.78	29.97	13	OVC	009			10.00		65	62	63	90	13	29	29.68	29.87	
16	SCT	NC			10.00			83	66	72	57	8	07	29.76	29.95	16	FEW	NC			10.00		76	60	66	58	15	28	29.73	29.92	
19	SCT	NC			10.00			75	69	71	82	5	05	29.78	29.96	19	CLR	NC			10.00		68	62	64	81	0	00	29.76	29.95	
22	CLR	NC			9.00			71	68	69	90	6	08	29.82	30.01	22	CLR	NC			10.00		63	61	62	93	0	00	29.79	29.98	
SUNRISE: 0551 SEP 14								SUNSET: 1818								SUNRISE: 0556 SEP 20								SUNSET: 1809							
01	SCT	NC			6.00	BR		69	67	68	93	5	04	29.82	30.01	01	CLR	NC			10.00		66	64	65	93	8	22	29.80	29.99	
04	SCT	NC			5.00	BR		67	66	66	97	7	06	29.81	30.00	04	CLR	NC			10.00		65	62	63	90	6	21	29.80	29.99	
07	BKN	250			8.00			67	65	66	93	6	06	29.82	30.01	07	CLR	NC			6.00	BR	63	62	62	97	5	18	29.82	30.01	
10	SCT	NC			10.00			77	67	70	71	7	15	29.80	29.99	10	CLR	NC			10.00		76	66	70	72	12	22	29.82	30.01	
13	BKN	120			8.00			82	70	74	67	9	17	29.76	29.95	13	FEW	NC			10.00		85	64	71	50	10	21	29.77	29.96	
16	OVC	120			8.00	-RA		80	70	73	71	6	16	29.69	29.88	16	FEW	NC			10.00		85	65	72	51	13	21	29.73	29.92	
19	OVC	040			8.00			76	72	73	88	6	13	29.65	29.83	19	FEW	NC			10.00		74	66	69	76	10	20	29.73	29.91	
22	OVC	200			4.00	BR		74	71	72	91	9	17	29.62	29.80	22	CLR	NC			10.00		73	66	69	79	10	20	29.71	29.90	
SUNRISE: 0551 SEP 15								SUNSET: 1816								SUNRISE: 0557 SEP 21								SUNSET: 1807							
01	OVC	030			4.00	-TSRA	BR	70	67	68	90	22	22	29.58	29.77	01	CLR	NC			9.00		71	68	69	90	9	20	29.67	29.86	
04	BKN	017			4.00	BR		69	68	68	96	8	21	29.53	29.72	04	FEW	NC			10.00		72	68	69	87	12	21	29.65	29.83	
07	CLR	NC			2.00	BR		70	69	69	97	8	36	29.56	29.75	07	OVC	024			10.00		73	68	70	84	6	26	29.71	29.90	
10	SCT	NC			10.00			75	63	67	66	12	01	29.58	29.77	10	OVC	150			10.00		76	59	66	56	6	18	29.74	29.93	
13	SCT	NC			10.00			78	55	64	45	8	33	29.57	29.75	13	BKN	250			10.00		79	61	68	54	10	24	29.72	29.91	
16	SCT	NC			10.00			76	49	61	39	14	32	29.56	29.75	16	SCT	NC			10.00		80	56	65	44	8	28	29.73	29.92	
19	FEW	NC			10.00			67	49	57	53	6	31	29.61	29.80	19	SCT	NC			10.00		72	62	66	71	5	23	29.80	29.99	
22	SCT	NC			10.00			58	48	53	70	7	34	29.71	29.90	22	FEW	NC			10.00		66	53	59	63	15	02	29.89	30.08	
SUNRISE: 0552 SEP 16								SUNSET: 1815								SUNRISE: 0557 SEP 22								SUNSET: 1806							
01	CLR	NC			10.00			56	45	50	67	8	30	29.73	29.92	01	CLR	NC			10.00		60	52	56	75	7	03	29.91	30.10	
04	CLR	NC			10.00			52	45	48	77	5	30	29.70	29.89	04	FEW	NC			10.00		56	51	53	84	5	03	29.96	30.15	
07	CLR	NC			10.00			54	44	49	69	8	30	29.75	29.94	07	CLR	NC			10.00		57	52	54	83	3	03	30.02	30.20	
10	SCT	NC			10.00			64	47	55	54	13	35	29.79	29.98	10	SCT	NC			10.00		68	51	59	55	12	06	30.06	30.25	
13	SCT	NC			10.00			69	47	57	45	12	34	29.79	29.98	13	OVC	250			10.00		72	52	61	50	5	09	30.01	30.20	
16	SCT	NC			10.00			69	46	57	44	10	32	29.81	30.00	16	OVC	250			10.00		70	55	61	59	7	17	29.96	30.15	
19	CLR	NC			10.00			59	51	55	75	0	00	29.85	30.05	19	OVC	180			10.00		65	57	60	76	3	10	29.98	30.18	
22	BKN	070			10.00			55	52	53	90	5	01	29.94	30.13	22	OVC	028			7.00	-RA	64	58	60	81	7	16	29.97	30.16	
SUNRISE: 0553 SEP 17								SUNSET: 1813								SUNRISE: 0558 SEP 23								SUNSET: 1804							
01	SCT	NC			10.00			53	47	50	80	6	01	29.97	30.16	01	OVC	018			10.00	-RA	62	60	61	93	0	00	29.92	30.11	
04	CLR	NC			10.00			49	46	47	90	3	36	29.97	30.16	04	OVC	009			5.00	-DZ	BR	62	61	61	96	7	04	29.87	30.06
07	CLR	NC			10.00			51	47	49	86	6	36	30.01	30.21	07	OVC	005			2.00	BR	62	62	62	100	5	03	29.86	30.05	
10	FEW	NC			10.00			63	44	53	50	0	00	30.05	30.24	10	OVC	003			2.00	BR	66	64	65	93	0	00	29.84	30.03	
13	BKN	250			10.00			68	45	56	44	7	27	29.98	30.17	13	OVC	005			1.00	DZ	BR	69	68	68	96	5	01	29.78	29.97
16	OVC	250			10.00			67	46	56	47	13	25	29.94	30.13	16	OVC	007			2.00		72	68	69	87	6	01	29.73	29.91	
19	OVC	250			10.00			58	53	55	84	6	20	29.94	30.13	19	OVC	013			10.00		70	68	69	93	3	36	29.70	29.89	
22	OVC	250			10.00			57	53	55	87	6	20	29.95	30.15	22	OVC	007			7.00		70	69	69	97	7	31	29.70	29.89	
SUNRISE: 0554 SEP 18								SUNSET: 1812								SUNRISE: 0559 SEP 24								SUNSET: 1803							
01	OVC	250			10.00			54	51	52	90	5	18	29.95	30.14	01	OVC	025			8.00		69	67	68	93	5	29	29.66	29.85	
04	OVC	200			10.00			51	50	51	96	0	00	29.96	30.15	04	BKN	011			3.00	BR	65	65	65	100	5	18	29.64	29.83	
07	OVC	200			10.00			54	52	53	93	0	00	30.00	30.19	07	OVC	002			1.00	BR	67	67	67	100	9	22	29.65	29.84	
10	OVC	250			10.00			66	51	58	59	0	00	30.00	30.19	10	BKN	010			10.00		72	67	69	84	9	22	29.63	29.82	
13	OVC	200			10.00			69	53	60	57	0	00	29.97	30.16	13	BKN	030			10.00		81	68	72	65	7	29	29.59	29.78	
16	OVC	024			10.00			67	58	62	73	8	11	29.92	30.11	16	BKN	090			10.00		81	69	73	67	0	00	29.60	29.79	
19	OVC	019			10.00	-RA		64	60	62	87	6	03	29.91	30.10	19	OVC	050			10.00		75	71	72	88	3	09	29.64	29.83	
22	OVC	038			10.00			63	60	61	90	8	05	29.89	30.08	22	OVC	035			5.00	RA	BR	71	69	70	94	7	04	29.68	29.87

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
SEPTEMBER 2000

RIC

WBAN # 13740

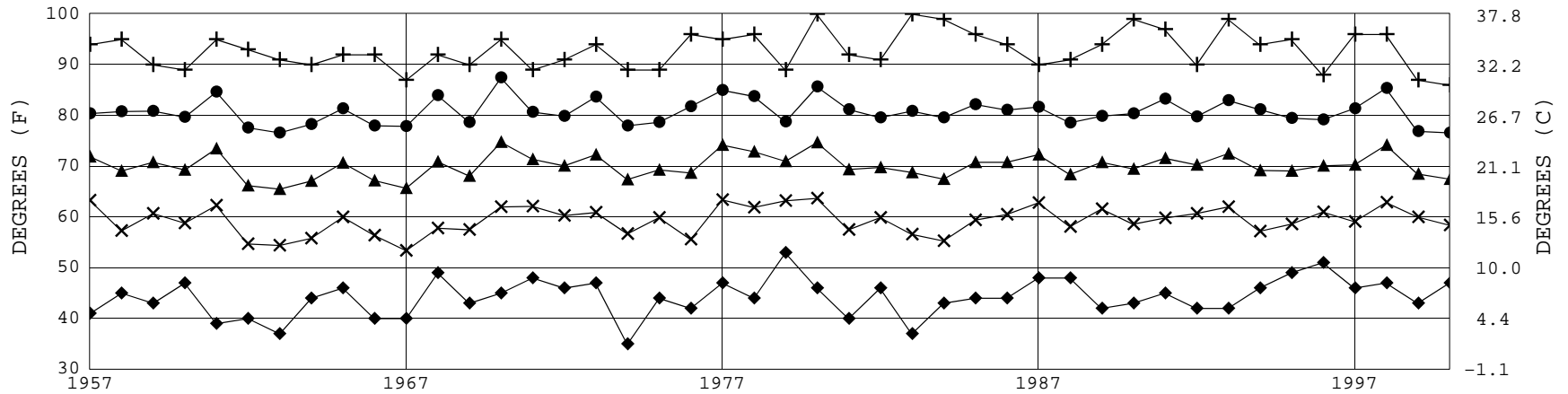
HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	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
SUNRISE: 0560				SEP 25				SUNSET: 1801				SUNRISE:				SEP 31				SUNSET:					
01	OVC	033		6.00	BR	68	67	67	96	7	02	29.69	29.88												
04	OVC	026		7.00	-RA	62	60	61	93	8	03	29.70	29.88												
07	OVC	012		2.00	RA BR	60	59	59	96	12	03	29.74	29.93												
10	OVC	015		9.00	-RA	57	56	56	96	9	05	29.74	29.93												
13	OVC	008		1.50	+RA BR	55	54	54	96	9	02	29.71	29.90												
16	OVC	004		1.50	DZ BR	55	54	54	96	7	02	29.62	29.82												
19	OVC	004		1.50	+RA BR	56	55	55	97	7	03	29.58	29.77												
22	OVC	016		1.50	RA BR	55	54	54	96	16	03	29.60	29.80												
SUNRISE: 0601				SEP 26				SUNSET: 1759				SUNRISE:				SEP 31				SUNSET:					
01	OVC	010		1.50	-RA	53	51	52	93	14	01	29.59	29.78												
04	OVC	007		10.00		52	50	51	93	13	35	29.61	29.80												
07	OVC	007		10.00		50	48	49	93	13	34	29.67	29.86												
10	OVC	009		8.00		52	50	51	93	13	33	29.73	29.93												
13	OVC	013		10.00		54	50	52	87	13	35	29.76	29.95												
16	OVC	021		10.00		55	50	52	83	13	36	29.81	30.00												
19	OVC	020		10.00		54	49	51	83	10	34	29.89	30.09												
22	OVC	039		10.00		53	49	51	86	12	36	29.94	30.14												
SUNRISE: 0602				SEP 27				SUNSET: 1758				SUNRISE:				SEP 31				SUNSET:					
01	OVC	042		10.00		53	49	51	86	6	34	29.96	30.16												
04	CLR	NC		10.00		49	48	48	97	5	34	29.97	30.16												
07	CLR	NC		10.00		50	48	49	93	0	00	30.02	30.22												
10	CLR	NC		10.00		61	49	55	65	7	34	30.05	30.24												
13	CLR	NC		10.00		67	47	56	49	6	VR	29.99	30.19												
16	CLR	NC		10.00		69	48	58	47	7	34	29.95	30.14												
19	CLR	NC		10.00		58	53	55	84	0	00	29.95	30.14												
22	CLR	NC		10.00		53	50	51	89	0	00	29.97	30.16												
SUNRISE: 0602				SEP 28				SUNSET: 1756				SUNRISE:				SEP 31				SUNSET:					
01	CLR	NC		10.00		51	49	50	92	0	00	29.96	30.15												
04	CLR	NC		8.00		48	47	47	96	6	36	29.94	30.13												
07	CLR	NC		6.00	BR	50	49	49	96	0	00	29.96	30.15												
10	FEW	NC		10.00		66	51	58	59	12	03	29.99	30.19												
13	SCT	NC		10.00		72	53	61	52	7	03	29.97	30.16												
16	SCT	NC		10.00		71	51	60	49	10	04	29.96	30.15												
19	CLR	NC		10.00		61	56	58	84	0	00	29.99	30.19												
22	CLR	NC		9.00		55	54	54	96	10	04	30.05	30.24												
SUNRISE: 0603				SEP 29				SUNSET: 1755				SUNRISE:				SEP 31				SUNSET:					
01	CLR	NC		8.00		56	54	55	93	9	03	30.08	30.27												
04	SCT	NC		10.00		53	50	51	89	6	02	30.10	30.30												
07	FEW	NC		10.00		52	48	50	86	12	01	30.17	30.36												
10	FEW	NC		10.00		61	50	55	67	9	03	30.21	30.40												
13	SCT	NC		10.00		67	49	57	53	13	06	30.18	30.37												
16	BKN	046		10.00		64	51	57	63	9	04	30.15	30.35												
19	FEW	NC		10.00		56	52	54	87	6	06	30.17	30.36												
22	FEW	NC		10.00		53	51	52	93	7	05	30.18	30.37												
SUNRISE: 0604				SEP 30				SUNSET: 1753				SUNRISE:				SEP 31				SUNSET:					
01	CLR	NC		10.00		50	49	49	96	6	03	30.17	30.37												
04	CLR	NC		10.00		49	48	48	97	6	04	30.15	30.34												
07	CLR	NC		10.00		50	49	49	96	7	01	30.16	30.36												
10	FEW	NC		10.00		64	54	58	70	10	02	30.16	30.36												
13	FEW	NC		10.00		70	56	62	61	6	VR	30.11	30.30												
16	SCT	NC		10.00		71	56	62	59	8	09	30.05	30.24												
19	BKN	200		10.00		61	57	59	87	6	09	30.04	30.24												
22	BKN	200		10.00		57	56	56	96	3	04	30.04	30.24												

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.

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)	DIRECTION	SPEED	DIRECTION
							STATION	SEA LEVEL					
01			63	61	62	91	29.87	30.06	8.13	6	1	2	2
02			62	60	61	92	29.86	30.05	7.96	6	2	3	3
03			62	60	61	92	29.86	30.05	7.83	6	1	2	2
04			61	59	60	93	29.86	30.05	7.65	5	2	2	2
05			61	59	60	94	29.86	30.05	7.34	5	2	2	3
06			61	59	60	94	29.88	30.07	6.88	5	1	1	1
07			62	60	61	92	29.89	30.08	6.79	6	3	1	1
08			65	61	62	87	29.89	30.08	7.10	6	3	1	1
09			68	61	64	80	29.90	30.09	8.63	7	3	3	3
10			70	60	64	72	29.90	30.09	9.10	8	2	3	3
11			72	60	65	69	29.90	30.09	9.32	7	2	6	6
12			73	60	65	66	29.89	30.08	9.52	7	1	36	36
13			74	60	65	64	29.87	30.06	9.28	7	2	1	1
14			74	60	65	63	29.86	30.05	9.42	9	1	36	36
15			75	60	66	62	29.85	30.04	9.23	8	1	1	1
16			74	60	66	63	29.84	30.03	9.38	8	1	2	2
17			73	60	65	66	29.84	30.03	9.68	8	2	8	8
18			71	61	65	73	29.85	30.04	9.55	6	2	8	8
19			68	62	64	82	29.85	30.04	9.62	5	2	10	10
20			67	62	64	86	29.87	30.06	9.38	6	2	8	8
21			65	61	63	87	29.88	30.07	9.57	6	2	7	7
22			64	61	62	89	29.88	30.07	8.72	7	2	7	7
23			64	61	62	90	29.88	30.07	8.35	6	2	6	6
24			63	60	61	91	29.88	30.07	8.32	6	2	3	3

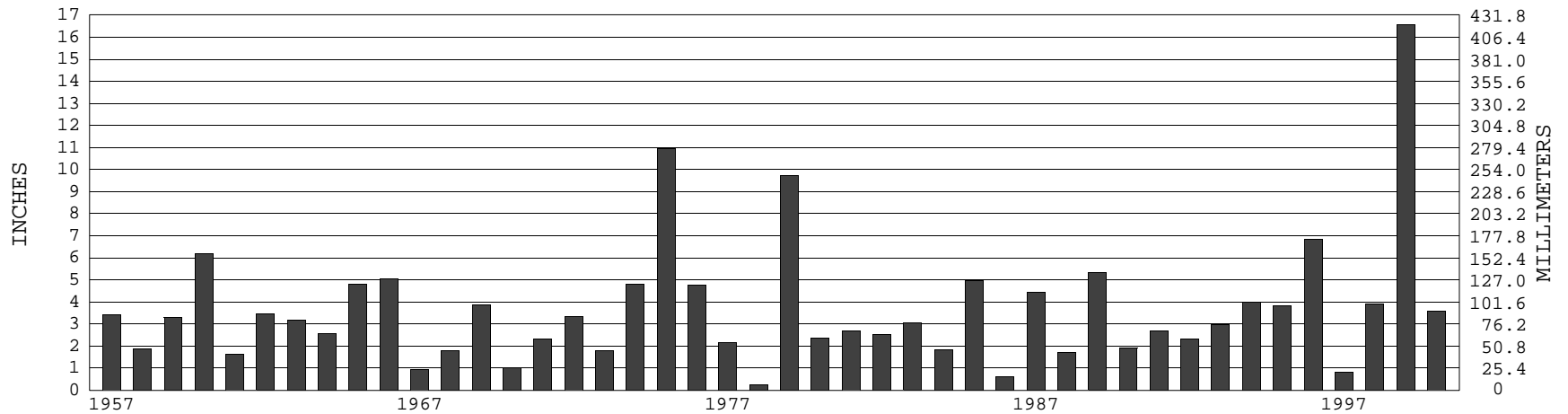
RICHMOND, VA SEPTEMBER TEMPERATURES



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

Long-Term (1957-2000) Mean: 70.1 1961-1990 Normal: 70.0

RICHMOND, VA SEPTEMBER PRECIPITATION



Long-Term (1957-2000) Mean Monthly Total: 3.70

1961-1990 Normal: 3.34



SEPTEMBER 2000
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

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost is \$24 for online delivery (including back issues) compared to \$32 for offline delivery.** To order this and other subscriptions online with your credit card, go to: www.ncdc.noaa.gov/mpp.html and choose subscriptions.

We welcome your questions or comments, please contact us at
Toll Free Number (866) 742–3322 (voice)
Fax Number : (304) 726–4409
TDD : 828–271–4010
or Email : info@ncdc.noaa.gov
Local Climatological Data is available at www.ncdc.noaa.gov

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center
310 State Route 956 Building 300
Rocket Center, WV 26726

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19