



SEPTEMBER 2001

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

SEPTEMBER 2001
 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	25
01	79	68	74	0	69	71	0	9	RA BR			0.0	0.10	29.75	29.94	3.3	30	5.8	20	23	15	24	01	
02	80	63	72	-2	63	65	0	7	BR			0.0	0.00	29.89	30.07	4.6	04	5.8	16	08	13	06	02	
03	80	61	71	-3	65	67	0	6				0.0	0.00	29.88	30.07	2.6	15	3.9	13	20	12	20	03	
04	81	67	74	0	68	70	0	9	RA BR			0.0	T	29.81	30.00	7.5	22	7.9	21	23	17	22	04	
05	82	62	72	-1	63	67	0	7	BR			0.0	0.00	29.92	30.11	5.3	02	7.1	21	01	16	02	05	
06	82	59	71	-2	59	63	0	6	BR			0.0	0.00	30.02	30.21	2.4	06	4.7	13	09	12	08	06	
07	83	57	70	-3	61	65	0	5	BR			0.0	0.00	29.95	30.14	3.7	15	4.7	14	18	10	19	07	
08	85	62	74	1	64	67	0	9				0.0	0.00	29.95	30.14	3.6	14	4.6	14	12	12	12	08	
09	85	64	75	3	69	71	0	10	RA			0.0	T	29.98	30.17	5.5	13	6.1	20	12	17	12	09	
10	88*	69	79*	7	71	73	0	14	TS RA			0.0	T	29.94	30.13	2.1	20	7.2	20	02	16	02	10	
11	83	61	72	0	58	64	0	7				0.0	0.00	29.99	30.17	7.8	01	8.1	24	01	22	36	11	
12	81	59	70	-1	58	62	0	5				0.0	0.00	30.01	30.19	5.1	05	5.8	18	06	13	08	12	
13	84	57	71	0	60	64	0	6				0.0	0.00	29.93	30.12	3.4	20	3.9	14	16	12	17	13	
14	67	51	59	-12	55	58	6	0	RA BR			0.0	T	29.94	30.13	8.1	01	8.9	29	02	24*	01	14	
15	71	48	60	-10	47	52	5	0				0.0	0.00	29.98	30.17	8.9	03	9.4	23	04	18	02	15	
16	75	47	61	-9	49	54	4	0				0.0	0.00	29.91	30.10	6.9	03	7.8	22	03	17	04	16	
17	79	49	64	-6	51	57	1	0				0.0	0.00	29.93	30.11	1.4	02	4.0	15	36	10	33	17	
18	84	55	70	1	57	61	0	5				0.0	0.00	29.86	30.05	2.9	15	4.3	16	20	10	22	18	
19	83	57	70	1	58	62	0	5	BR			0.0	0.00	29.90	30.08	7.1	14	7.7	17	15	15	13	19	
20	78	64	71	2	67	68	0	6	RA FG BR			0.0	1.14	29.86	30.04	5.1	16	5.6	18	17	15	17	20	
21	79	65	72	3	68	69	0	7	TSRA FG+ BR HZ			0.0	0.21	29.84	30.02	1.6	09	2.6	9	36	8	36	21	
22	84	61	73	5	66	68	0	8	FG+ BR HZ			0.0	0.00	29.84	30.03	2.8	23	3.5	14	21	12	21	22	
23	85	61	73	5	65	67	0	8	BR			0.0	0.00	29.87	30.05	1.1	15	3.9	16	21	10	20	23	
24	82	67	75	8	69	70	0	10	RA FG BR HZ			0.0	0.55	29.69	29.88	9.4	18	9.8	25	21	22	21	24	
25	71	50	61	-6	55	59	4	0	RA BR			0.0	0.14	29.73	29.92	5.4	29	6.5	18	33	13	26	25	
26	66	43*	55*	-11	46	50	10	0				0.0	0.00	29.87	30.06	2.7	24	3.6	17	26	15	26	26	
27	75	44	60	-6	48	54	5	0				0.0	0.00	29.80	29.99	3.4	24	7.2	26	01	21	01	27	
28	69	49	59	-6	47	52	6	0				0.0	0.00	29.85	30.04	7.6	36	8.0	21	01	18	01	28	
29	66	48	57	-8	49	52	8	0				0.0	0.00	29.94	30.12	11.1	35	11.5	29	01	22	01	29	
30	64	49	57	-8	46	50	8	0				0.0	0.00	29.91	30.10	11.1	36	11.4	31*	01	23	02	30	
< MONTHLY AVERAGES										TOTALS-->										<-- MONTHLY AVERAGES				
-2.5										-1.8				-2.2										
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.35 DATE: 20-21				SEA LEVEL PRESSURE		DATE TIME								
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM		: 30.27 06 0954								
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:				MINIMUM		: 29.76 24 1954								
HEATING: 57 34										NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 0		PRECIPITATION ≥ 0.01 INCH: 5						
COOLING: 149 -24														MAXIMUM TEMP ≤ 32: 0		MINIMUM TEMP ≤ 0: 0		PRECIPITATION ≥ 0.10 INCH: 5						
														THUNDERSTORMS: 2		HEAVY FOG: 2		SNOWFALL ≥ 1.0 INCH: 0						

SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

SEPTEMBER 2001 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				T	T	0.01	0.04	0.04	0.01				01												01		0.10		
02													02												02		0.00		
03													03												03		0.00		
04		T	T										04												04		T		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09	T		T	T								09		0.00		
10													10				T								10		T		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.00		
14													14		T	T									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									0.04	0.09	0.59	0.12	0.03	20											20		0.00		
21	0.19												21												21	1.12	1.14		
22													22								T	0.01	0.24	22	0.19	0.21			
23													23												23		0.00		
24													24		T	0.01	0.45	0.03	0.01	T	0.01	0.01	0.02	T	24	0.54	0.55		
25	T	0.03	0.05	0.04	0.01	T	0.01	T	T				25												25		0.14		
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		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.22	.35	.42	.43	.43	.54	.63	.65	.70	.76	.79	.81
Ending Date	24	24	24	24	24	20	20	20	20	20	20	20
Ending Time (Hour/Min)	1543	1544	1544	1544	1544	0836	0847	0910	0930	0949	1008	0959

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 1961–1990

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 2001

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							4.00	10.00	
02							5.00	10.00	
03							8.00	10.00	
04							6.00	10.00	
05							6.00	10.00	
06							6.00	10.00	
07							6.00	10.00	
08							8.00	10.00	
09							10.00	10.00	
10							7.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							6.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							9.00	10.00	
19							6.00	10.00	
20							.50	10.00	
21							.13	10.00	
22							.25	10.00	
23							1.00	10.00	
24							.50	10.00	
25							2.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							6.85	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 2 6 17									

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

SEPTEMBER 2001

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	BKN	150	10.00		78	70	73	76	12	25	29.66	29.85	01	CLR	NC	10.00		63	60	61	90	0	00	29.99	30.18				
04	OVC	075	10.00	-RA	77	69	72	77	10	27	29.67	29.85	04	CLR	NC	10.00		60	58	59	93	0	00	29.96	30.15				
07	OVC	021	5.00	RA BR	72	71	71	97	7	26	29.73	29.92	07	CLR	NC	6.00	BR	62	60	61	93	0	00	29.98	30.17				
10	OVC	040	10.00		75	72	73	90	7	31	29.77	29.96	10	CLR	NC	10.00		76	63	68	64	6	16	29.99	30.18				
13	OVC	150	10.00		77	69	72	77	8	01	29.77	29.96	13	SCT	NC	10.00		81	61	68	51	8	12	29.95	30.14				
16	OVC	150	10.00		77	68	71	74	0	00	29.75	29.94	16	SCT	NC	10.00		82	58	67	44	9	16	29.91	30.10				
19	BKN	065	10.00		75	69	71	82	0	00	29.77	29.96	19	FEW	NC	10.00		72	60	65	66	7	15	29.91	30.10				
22	CLR	NC	6.00	BR	70	69	69	97	0	00	29.82	30.01	22	FEW	NC	10.00		67	64	65	91	8	13	29.93	30.12				
SUNRISE: 0540					SEP 02	SUNSET: 1836					SUNRISE: 0545					SEP 08	SUNSET: 1827												
01	CLR	NC	5.00	BR	67	66	66	97	3	36	29.83	30.02	01	CLR	NC	10.00		65	63	64	93	0	00	29.93	30.11				
04	CLR	NC	9.00		64	62	63	93	6	02	29.83	30.02	04	CLR	NC	10.00		64	63	63	96	0	00	29.92	30.11				
07	CLR	NC	10.00		64	61	62	90	10	03	29.88	30.07	07	FEW	NC	10.00		65	64	64	97	0	00	29.96	30.15				
10	FEW	NC	10.00		73	61	66	66	6	06	29.93	30.12	10	BKN	250	10.00		80	66	71	62	6	20	29.99	30.17				
13	SCT	NC	10.00		78	63	68	60	9	04	29.90	30.09	13	SCT	NC	10.00		84	63	70	49	6	11	29.96	30.14				
16	BKN	250	10.00		77	63	68	62	6	08	29.87	30.06	16	SCT	NC	10.00		83	64	71	53	7	11	29.92	30.11				
19	BKN	200	10.00		71	65	67	81	6	08	29.87	30.06	19	BKN	250	10.00		75	65	69	71	9	12	29.93	30.11				
22	BKN	200	10.00		65	63	64	93	5	02	29.91	30.10	22	SCT	NC	10.00		69	66	67	90	3	14	29.96	30.15				
SUNRISE: 0541					SEP 03	SUNSET: 1835					SUNRISE: 0546					SEP 09	SUNSET: 1826												
01	OVC	045	10.00		64	62	63	93	0	00	29.90	30.09	01	BKN	250	10.00		68	66	67	93	0	00	29.97	30.16				
04	BKN	250	10.00		61	60	60	97	0	00	29.88	30.07	04	SCT	NC	10.00		67	66	66	97	0	00	29.98	30.16				
07	OVC	120	10.00		65	62	63	90	3	12	29.91	30.10	07	FEW	NC	10.00		70	68	69	93	0	00	30.01	30.19				
10	OVC	250	10.00		76	64	68	67	6	13	29.92	30.11	10	OVC	070	10.00		81	71	74	72	12	14	30.01	30.20				
13	OVC	250	10.00		78	64	69	62	5	VR	29.89	30.08	13	OVC	060	10.00		80	72	75	76	8	14	29.99	30.18				
16	OVC	200	10.00		78	65	70	64	7	18	29.85	30.04	16	BKN	055	10.00		82	71	75	69	10	13	29.93	30.12				
19	BKN	150	10.00		73	68	70	84	3	17	29.82	30.01	19	BKN	070	10.00		76	68	71	77	7	12	29.95	30.14				
22	OVC	150	9.00		71	67	68	87	5	18	29.84	30.03	22	BKN	250	10.00		73	69	70	87	7	14	29.96	30.14				
SUNRISE: 0542					SEP 04	SUNSET: 1834					SUNRISE: 0547					SEP 10	SUNSET: 1824												
01	OVC	200	9.00		69	66	67	90	6	20	29.85	30.04	01	OVC	065	10.00		73	71	72	94	6	17	29.97	30.16				
04	OVC	120	8.00		68	66	67	93	5	20	29.82	30.01	04	SCT	NC	10.00		71	70	70	96	0	00	29.94	30.12				
07	OVC	250	6.00	BR	70	67	68	90	5	22	29.84	30.03	07	SCT	NC	7.00		72	71	71	97	0	00	29.97	30.16				
10	SCT	NC	10.00		78	65	70	64	14	24	29.83	30.02	10	BKN	250	10.00		79	72	74	79	9	22	29.97	30.16				
13	OVC	030	10.00		80	69	73	69	13	23	29.80	29.99	13	BKN	250	10.00		85	73	77	68	9	24	29.92	30.10				
16	OVC	032	9.00		80	70	73	71	10	20	29.76	29.95	16	BKN	250	10.00		86	73	77	65	9	21	29.88	30.06				
19	SCT	NC	8.00		73	70	71	90	8	20	29.77	29.96	19	BKN	100	10.00		77	74	75	90	8	08	29.91	30.10				
22	SCT	NC	7.00		71	69	70	94	5	21	29.81	30.00	22	OVC	095	10.00	-RA	73	69	70	87	7	02	29.97	30.16				
SUNRISE: 0543					SEP 05	SUNSET: 1832					SUNRISE: 0548					SEP 11	SUNSET: 1823												
01	CLR	NC	6.00	BR	72	70	71	94	7	24	29.82	30.01	01	OVC	044	10.00		73	63	67	71	10	36	29.95	30.14				
04	SCT	NC	8.00		71	67	68	87	9	36	29.83	30.02	04	BKN	250	10.00		70	60	64	71	13	01	29.95	30.14				
07	FEW	NC	8.00		69	64	66	84	10	01	29.90	30.09	07	CLR	NC	10.00		69	58	62	68	9	36	30.01	30.20				
10	FEW	NC	10.00		76	64	68	67	10	05	29.95	30.14	10	CLR	NC	10.00		77	59	66	54	13	03	30.04	30.23				
13	FEW	NC	10.00		81	61	68	51	10	01	29.94	30.12	13	CLR	NC	10.00		82	56	66	41	8	01	29.99	30.18				
16	FEW	NC	10.00		81	60	68	49	6	36	29.91	30.10	16	CLR	NC	10.00		81	56	66	42	8	02	29.95	30.14				
19	CLR	NC	10.00		71	61	65	71	6	06	29.94	30.13	19	CLR	NC	10.00		72	58	64	61	3	04	29.97	30.16				
22	CLR	NC	10.00		65	60	62	84	6	09	29.98	30.17	22	CLR	NC	10.00		63	58	60	84	0	00	29.99	30.18				
SUNRISE: 0544					SEP 06	SUNSET: 1831					SUNRISE: 0549					SEP 12	SUNSET: 1821												
01	CLR	NC	10.00		61	60	60	97	0	00	30.01	30.20	01	CLR	NC	10.00		61	58	59	90	0	00	29.98	30.17				
04	CLR	NC	8.00		60	59	59	96	3	02	30.02	30.21	04	CLR	NC	10.00		59	57	58	93	7	03	29.99	30.18				
07	CLR	NC	7.00		63	60	61	90	5	01	30.06	30.25	07	CLR	NC	10.00		64	60	62	87	8	02	30.03	30.22				
10	CLR	NC	10.00		75	58	65	55	6	04	30.08	30.27	10	CLR	NC	10.00		75	58	65	55	10	07	30.06	30.25				
13	CLR	NC	10.00		80	59	67	49	5	VR	30.03	30.22	13	FEW	NC	10.00		80	57	66	45	9	06	30.01	30.20				
16	FEW	NC	10.00		80	57	66	45	5	VR	29.98	30.17	16	SCT	NC	10.00		80	56	65	44	7	09	29.97	30.16				
19	FEW	NC	10.00		72	60	65	66	6	08	29.96	30.15	19	FEW	NC	10.00		69	58	62	68	6	04	29.98	30.17				
22	CLR	NC	10.00		63	59	61	87	6	14	29.99	30.17	22	CLR	NC	10.00		65	57	60	76	0	00	30.00	30.19				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

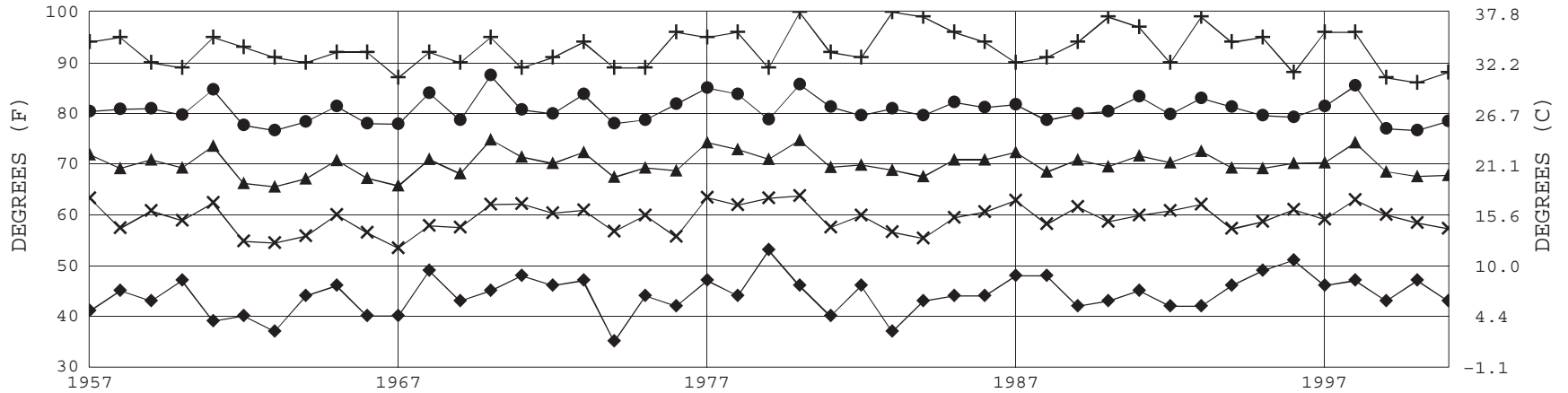
SEPTEMBER 2001

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: 0550				SEP 13				SUNSET: 1820				SUNRISE: 0555				SEP 19				SUNSET: 1811									
01	CLR	NC			10.00	60	57	58	90	0	00	29.99	30.17	01	CLR	NC			10.00	60	56	58	86	5	13	29.89	30.08		
04	CLR	NC			10.00	58	55	56	90	0	00	29.97	30.16	04	CLR	NC			9.00	58	56	57	93	5	15	29.89	30.08		
07	BKN	250			10.00	61	57	59	87	0	00	29.98	30.17	07	OVC	250			7.00	59	57	58	93	5	14	29.92	30.11		
10	FEW	NC			10.00	75	62	67	64	7	23	29.98	30.16	10	OVC	250			10.00	72	62	66	71	6	10	29.93	30.12		
13	SCT	NC			10.00	82	62	69	51	8	21	29.92	30.11	13	SCT	NC			10.00	82	59	68	46	8	15	29.89	30.08		
16	BKN	250			10.00	81	62	69	53	8	21	29.87	30.06	16	BKN	250			10.00	80	60	68	51	14	14	29.86	30.05		
19	SCT	NC			10.00	72	63	66	73	6	16	29.87	30.06	19	OVC	250			10.00	70	60	64	71	9	11	29.88	30.06		
22	FEW	NC			10.00	67	62	64	84	3	16	29.88	30.07	22	BKN	250			10.00	65	55	59	70	7	14	29.89	30.08		
SUNRISE: 0550				SEP 14				SUNSET: 1818				SUNRISE: 0555				SEP 20				SUNSET: 1809									
01	CLR	NC			10.00	62	60	61	93	0	00	29.85	30.04	01	BKN	250			10.00	65	61	63	87	5	17	29.88	30.07		
04	CLR	NC			8.00	61	59	60	93	5	22	29.83	30.02	04	OVC	013			10.00	67	63	64	87	3	15	29.87	30.06		
07	OVC	020			8.00	63	61	62	93	10	36	29.88	30.07	07	OVC	016			8.00	66	65	65	96	0	00	29.89	30.08		
10	OVC	040			10.00	66	55	60	68	18	36	29.95	30.14	10	OVC	017		RA BR	2.00	68	67	68	98	0	00	29.89	30.08		
13	BKN	025			10.00	66	55	60	68	13	36	29.97	30.16	13	BKN	040			10.00	72	70	71	94	6	16	29.85	30.03		
16	BKN	100			10.00	65	53	58	66	15	04	29.97	30.16	16	OVC	060			10.00	76	68	71	77	7	15	29.81	30.00		
19	BKN	250			10.00	58	52	55	81	7	05	29.99	30.19	19	OVC	060			10.00	71	68	69	90	7	14	29.82	30.01		
22	BKN	250			10.00	53	50	51	89	6	36	30.02	30.21	22	OVC	048			10.00	70	68	69	93	8	16	29.83	30.02		
SUNRISE: 0551				SEP 15				SUNSET: 1817				SUNRISE: 0556				SEP 21				SUNSET: 1808									
01	SCT	NC			10.00	50	49	49	96	6	36	30.01	30.20	01	OVC	023			10.00	69	69	69	100	3	14	29.83	30.02		
04	SCT	NC			10.00	49	47	48	93	9	36	29.98	30.17	04	OVC	002			1.00	67	67	67	100	3	08	29.83	30.02		
07	FEW	NC			10.00	51	47	49	86	9	01	30.02	30.21	07	OVC	002			0.75	68	68	68	100	5	13	29.85	30.04		
10	FEW	NC			10.00	65	49	56	56	12	04	30.02	30.21	10	OVC	004			1.50	69	69	69	100	6	06	29.87	30.06		
13	SCT	NC			10.00	69	45	56	42	15	04	29.99	30.18	13	OVC	030			6.00	76	70	72	82	0	00	29.84	30.03		
16	SCT	NC			10.00	68	45	56	44	13	04	29.95	30.14	16	BKN	085			5.00	77	69	72	77	3	03	29.81	30.00		
19	SCT	NC			10.00	58	47	52	67	6	02	29.95	30.14	19	CLR	NC			5.00	71	69	70	94	3	13	29.81	30.00		
22	FEW	NC			10.00	54	45	49	72	6	04	29.95	30.14	22	CLR	NC			3.00	68	68	68	100	0	00	29.83	30.02		
SUNRISE: 0552				SEP 16				SUNSET: 1815				SUNRISE: 0557				SEP 22				SUNSET: 1806									
01	FEW	NC			10.00	49	45	47	86	6	01	29.94	30.14	01	SCT	NC			0.50	64	64	64	100	0	00	29.81	30.00		
04	SCT	NC			10.00	48	45	47	89	8	01	29.92	30.11	04	VV	001			0.25	63	63	63	100	0	00	29.82	30.01		
07	FEW	NC			10.00	51	48	50	89	9	36	29.93	30.13	07	SCT	NC			2.00	66	66	66	100	6	26	29.85	30.04		
10	CLR	NC			10.00	68	50	58	53	13	06	29.95	30.14	10	BKN	250			8.00	78	66	70	67	8	26	29.86	30.05		
13	SCT	NC			10.00	74	51	61	45	9	06	29.90	30.09	13	OVC	250			10.00	83	65	71	55	0	00	29.84	30.03		
16	SCT	NC			10.00	74	50	60	43	12	04	29.87	30.06	16	OVC	250			10.00	76	68	71	77	10	22	29.81	30.01		
19	SCT	NC			10.00	63	50	56	63	3	04	29.89	30.08	19	BKN	250			10.00	72	68	69	87	3	13	29.82	30.01		
22	CLR	NC			10.00	57	49	53	75	3	35	29.90	30.09	22	FEW	NC			7.00	67	66	66	97	0	00	29.87	30.06		
SUNRISE: 0553				SEP 17				SUNSET: 1814				SUNRISE: 0558				SEP 23				SUNSET: 1804									
01	CLR	NC			10.00	54	49	51	83	3	36	29.91	30.11	01	SCT	NC			6.00	62	61	61	96	0	00	29.87	30.06		
04	SCT	NC			10.00	50	47	48	89	3	34	29.91	30.11	04	SCT	NC			1.00	62	62	62	100	0	00	29.87	30.06		
07	FEW	NC			10.00	53	50	51	89	5	01	29.96	30.15	07	CLR	NC			3.00	65	63	64	93	5	32	29.90	30.09		
10	FEW	NC			10.00	71	50	59	47	7	33	29.98	30.17	10	CLR	NC			8.00	76	66	70	72	0	00	29.91	30.10		
13	CLR	NC			10.00	77	49	61	37	3	VR	29.93	30.12	13	SCT	NC			10.00	84	65	71	53	6	VR	29.84	30.03		
16	SCT	NC			10.00	78	49	61	36	3	VR	29.88	30.08	16	SCT	NC			10.00	84	63	70	49	8	23	29.83	30.02		
19	BKN	250			10.00	65	54	59	68	3	13	29.89	30.08	19	SCT	NC			9.00	75	68	70	79	7	11	29.83	30.02		
22	BKN	250			10.00	62	54	58	75	0	00	29.91	30.09	22	FEW	NC			6.00	71	68	69	90	8	16	29.83	30.02		
SUNRISE: 0554				SEP 18				SUNSET: 1812				SUNRISE: 0559				SEP 24				SUNSET: 1803									
01	SCT	NC			10.00	57	53	55	87	0	00	29.89	30.08	01	CLR	NC			5.00	69	68	68	96	7	18	29.82	30.01		
04	SCT	NC			10.00	57	55	56	93	0	00	29.87	30.06	04	CLR	NC			4.00	67	66	66	97	7	20	29.77	29.96		
07	OVC	250			9.00	57	56	56	96	0	00	29.87	30.06	07	OVC	004			2.00	69	68	68	96	10	17	29.78	29.96		
10	BKN	250			10.00	72	58	64	61	3	20	29.87	30.06	10	OVC	009			4.00	73	70	71	90	10	17	29.76	29.95		
13	SCT	NC			10.00	80	58	66	47	5	VR	29.83	30.02	13	OVC	250			10.00	80	70	73	71	14	15	29.67	29.85		
16	SCT	NC			10.00	80	57	66	45	5	18	29.81	30.00	16	OVC	037			3.00	71	70	70	96	12	16	29.62	29.80		
19	SCT	NC			10.00	72	60	65	66	6	12	29.83	30.02	19	OVC	025			10.00	71	71	71	100	14	18	29.59	29.78		
22	CLR	NC			10.00	64	58	60	81	6	12	29.87	30.06	22	OVC	037			8.00	70	69	69	97	9	20	29.58	29.77		

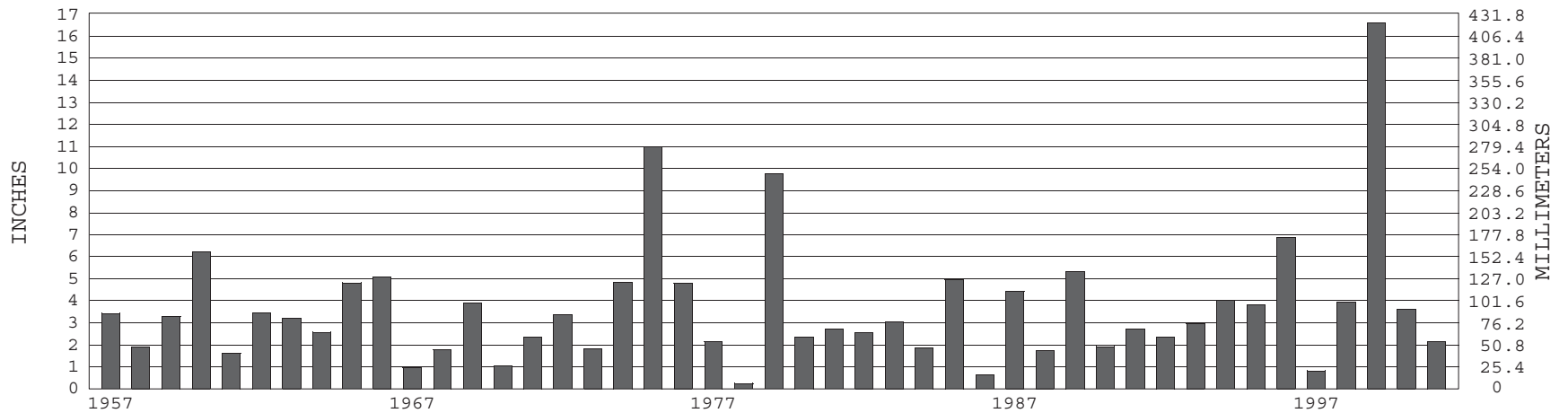
RICHMOND, VA SEPTEMBER TEMPERATURES



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

Long-Term (1957-2001) Mean: 70.0 1961-1990 Normal: 70.0

RICHMOND, VA SEPTEMBER PRECIPITATION



Long-Term (1957-2001) Mean Monthly Total: 3.66

1961-1990 Normal: 3.34



SEPTEMBER 2001
RICHMOND, VA

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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