



AUGUST 1997

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

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	86	59	73	-5	59	65	0	8		0		0.0	0.00	29.99	30.19	2.8	18	4.2	15	17	13	18	01		
02	90	62	76	-2	62	68	0	11		0		0.0	0.00	29.86	30.06	4.5	22	5.5	23	27	14	22	02		
03	91	67	79	1	66	71	0	14	HZ	0		0.0	0.00	29.78	29.98	2.0	26	4.6	16	24	13	27	03		
04	90	67	79	1	69	70	0	14	TSRA RA BR HZ	0		0.0	0.38	29.67	29.87	1.8	29	4.3	43*	32	29*	32	04		
05	80	65	73	-5	63	66	0	8	RA BR	0		0.0	0.01	29.70	29.90	4.9	36	5.6	21	01	16	36	05		
06	81	59	70	-8	59	63	0	5		0		0.0	0.00	29.89	30.09	4.9	01	6.0	15	02	11	36	06		
07	82	63	73	-5	61	65	0	8	RA BR	0		0.0	T	30.00	30.20	2.0	09	4.3	20	06	17	05	07		
08	85	59	72	-6	57	63	0	7	HZ	0		0.0	0.00	30.02	30.22	2.2	34	3.5	20	36	14	01	08		
09	86	60	73	-5	60	65	0	8		0		0.0	0.00	30.02	30.22	4.4	16	5.1	14	15	11	14	09		
10	85	65	75	-3	62	67	0	10	BR	0		0.0	0.00	30.01	30.21	4.1	16	4.7	14	14	11	14	10		
11	90	66	78	2	68	71	0	13	BR	0		0.0	0.00	29.94	30.14	3.6	16	4.4	14	17	11	17	11		
12	92	71	82	4	71	74	0	17	BR HZ	0		0.0	0.00	29.90	30.10	2.5	09	4.5	11	10	10	09	12		
13	94	73	84	7	74	76	0	19	TS TSRA RA FG BR	0		0.0	0.75	29.75	29.95	7.0	22	8.4	39	22	21	30	13		
14	85	73	79	2	73	75	0	14	BR HZ	0		0.0	0.00	29.72	29.91	4.0	04	6.4	20	01	16	01	14		
15	91	73	82	5	74	76	0	17	BR HZ	0		0.0	0.00	29.74	29.93	4.7	18	6.1	18	19	15	22	15		
16	97	75	86	9	74	77	0	21	BR HZ	0		0.0	0.00	29.78	29.97	8.5	22	9.3	21	21	18	21	16		
17	98*	76	87*	10	74	78	0	22		0		0.0	0.00	29.74	29.94	8.6	22	9.7	25	22	22	21	17		
18	88	69	79	2	70	73	0	14	RA	0		0.0	0.02	29.74	29.94	3.4	33	9.1	26	35	23	35	18		
19	80	64	72	-5	64	67	0	7	BR	0		0.0	0.00	29.87	30.07	2.8	11	4.1	14	09	10	07	19		
20	78	68	73	-1	69	70	0	8	RA BR	0		0.0	0.25	29.69	29.89	7.9	17	8.5	18	17	15	18	20		
21	86	68	77	1	65	69	0	12	BR	0		0.0	0.00	29.59	29.79	4.2	26	6.2	20	27	15	26	21		
22	82	63	73	-3	56	63	0	8		0		0.0	0.00	29.69	29.89	6.8	30	7.2	21	27	17	26	22		
23	81	55*	68*	-4	54	60	0	3		0		0.0	0.00	29.87	30.07	3.7	33	4.6	17	34	15	34	23		
24	83	58	71	-5	56	62	0	6		0		0.0	0.00	29.94	30.14	1.4	14	4.6	14	17	10	22	24		
25	84	58	71	-5	58	63	0	6	BR	0		0.0	0.00	29.91	30.11	3.2	13	4.1	15	14	11	11	25		
26	84	61	73	-2	60	65	0	8		0		0.0	0.00	29.92	30.12	3.3	13	4.2	15	13	11	11	26		
27	89	60	75	0	62	66	0	10		0		0.0	0.00	29.82	30.02	3.9	16	5.0	16	15	15	14	27		
28	90	65	78	3	64	69	0	13	RA BR	0		0.0	T	29.63	29.83	0.8	02	6.0	21	01	15	01	28		
29	85	66	76	1	61	66	0	11	BR	0		0.0	0.00	29.68	29.88	7.7	35	8.1	24	01	20	01	29		
30	86	62	74	-1	58	64	0	9		0		0.0	0.00	29.81	30.01	3.9	02	6.3	14	34	11	34	30		
31	87	63	75	0	62	67	0	10	BR	0		0.0	0.00	29.88	30.08	6.6	16	7.0	24	14	17	17	31		

86.6	64.9	75.8	■ ■	64.0	68.2	0.0	11.0	< MONTHLY AVERAGES	TOTALS-->	0.0	1.41	29.82	30.02	0.5	20	5.9	<-- MONTHLY AVERAGES					
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- .5				-1.5				-1.0				■ ■				----- DEPARTURE FROM NORMAL -----				-2.99				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
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DEGREE DAYS								GREATEST 24-HR PRECIPITATION: 0.75 DATE: 13				SEA LEVEL PRESSURE DATE TIME															
MONTHLY TOTAL DEPARTURE								SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM : 30.27 01 0918											
HEATING: 0 0								0 0				GREATEST SNOW DEPTH: 0 DATE:				MINIMUM : 29.75 21 0306											
COOLING: 341 -25								1056 -85				NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 10				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH : 5			
																MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 3			
																THUNDERSTORMS : 2				HEAVY FOG : 0				SNOWFALL ≥ 1.0 INCH : 0			

AUGUST 1997 RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

AUGUST 1997

RIC

WBAN # 13740

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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	0.15	0.20	0.03									04		0.38		
05				0.01									05			T				T					05		0.01		
06													06												06		0.00		
07													07							T					07		T		
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	0.18	0.51	T	0.06	T							13		0.75		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18	0.02											18		0.02		
19													19												19		0.00		
20		T	T			0.01	0.03	0.07	0.02	T	0.01	0.02	20	T	T	0.02	T		0.03	0.04	T			20		0.25			
21													21												21		0.00		
22													22												22		0.00		
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		T		
29													29												29		0.00		
30													30												30		0.00		
31													31												31		0.00		

MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

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 1: NCDC derives these data from one-minute ASOS values. The table is not printed when inconsistent with ASOS hourly totals.

Note 2: 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	PE 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 AUGUST 1997

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 at constant pressure by evaporation of moisture into it, to 100% relative humidity.

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							10.00	10.00	
03							6.00	10.00	
04							1.75	10.00	
05							6.00	10.00	
06							10.00	10.00	
07							6.00	10.00	
08							6.00	10.00	
09							8.00	10.00	
10							6.00	10.00	
11							3.00	10.00	
12							4.00	10.00	
13							.50	10.00	
14							4.00	10.00	
15							2.50	10.00	
16							5.00	10.00	
17							7.00	10.00	
18							10.00	10.00	
19							5.00	10.00	
20							2.00	10.00	
21							4.00	10.00	
22							9.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							5.00	10.00	
26							9.00	10.00	
27							7.00	10.00	
28							6.00	10.00	
29							3.00	10.00	
30							10.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							6.15	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			
0			6			12			

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

AUGUST 1997

RIC

WBAN # 13740

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE ° F			WIND	PRESSURE (INCHES,HG)		HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE ° F			WIND	PRESSURE (INCHES,HG)					
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		RELATIVE HUMIDITY (PCT)	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		RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG
SUNRISE: 0513 AUG 01						SUNSET: 1918						SUNRISE: 0519 AUG 07						SUNSET: 1912									
01	SCT	NC				63	58	60	84	0	00	30.04	30.24	01	SCT	NC				66	62	64	87	0	00	29.97	30.17
04	CLR	NC				61	56	58	84	0	00	30.03	30.23	04	SCT	NC				63	62	62	97	3	02	29.97	30.17
07	FEW	NC				69	57	62	66	5	26	30.05	30.25	07	BKN	250				65	63	64	93	5	35	30.01	30.21
10	FEW	NC				82	59	68	46	0	00	30.06	30.26	10	BKN	250				76	61	67	60	0	00	30.04	30.24
13	FEW	NC				84	58	68	41	6	VR	30.00	30.20	13	BKN	250				81	57	66	44	6	VR	30.01	30.22
16	SCT	NC				85	58	68	40	7	17	29.94	30.14	16	BKN	070				80	58	66	47	10	08	29.98	30.18
19	BKN	250				80	63	69	56	5	16	29.93	30.13	19	BKN	120				71	64	67	79	9	10	29.99	30.19
22	SCT	NC				70	63	66	79	6	18	29.94	30.14	22	FEW	NC				67	62	64	84	6	13	30.02	30.22
SUNRISE: 0514 AUG 02						SUNSET: 1917						SUNRISE: 0519 AUG 08						SUNSET: 1911									
01	CLR	NC				67	61	63	81	5	20	29.93	30.13	01	CLR	NC				64	61	62	90	0	00	30.03	30.23
04	FEW	NC				64	61	62	90	3	19	29.91	30.11	04	CLR	NC				60	58	59	93	0	00	30.02	30.22
07	SCT	NC				69	60	64	73	9	22	29.91	30.11	07	FEW	NC				66	61	63	84	5	27	30.04	30.24
10	SCT	NC				81	63	69	54	5	VR	29.91	30.11	10	CLR	NC				79	60	67	52	7	32	30.05	30.25
13	SCT	NC				88	61	71	40	12	25	29.85	30.05	13	SCT	NC				83	54	65	37	8	32	30.03	30.22
16	SCT	NC				90	61	71	38	13	21	29.79	29.99	16	FEW	NC				83	52	65	34	7	35	29.99	30.19
19	BKN	200				84	60	69	44	3	02	29.80	30.00	19	CLR	NC				76	56	64	50	5	08	29.99	30.19
22	BKN	200				76	66	70	72	0	00	29.81	30.01	22	FEW	NC				66	59	62	78	0	00	30.02	30.22
SUNRISE: 0515 AUG 03						SUNSET: 1916						SUNRISE: 0520 AUG 09						SUNSET: 1910									
01	FEW	NC				69	66	67	90	3	15	29.80	29.99	01	CLR	NC				65	59	61	81	5	17	30.02	30.22
04	SCT	NC				69	65	66	87	5	30	29.79	29.99	04	CLR	NC				63	58	60	84	0	00	30.01	30.21
07	CLR	NC				73	66	69	79	5	31	29.82	30.02	07	BKN	250				66	61	63	84	3	18	30.05	30.25
10	FEW	NC				85	63	71	48	6	32	29.82	30.02	10	BKN	250				79	61	68	54	3	27	30.05	30.25
13	FEW	NC				88	63	72	43	5	VR	29.79	29.98	13	BKN	250				84	57	67	40	8	16	30.02	30.22
16	SCT	NC				90	64	73	42	8	30	29.75	29.94	16	SCT	NC				84	58	68	41	9	13	29.98	30.18
19	SCT	NC			HZ	81	70	74	69	6	19	29.73	29.93	19	SCT	NC				76	62	67	62	6	13	29.98	30.18
22	CLR	NC			HZ	77	70	72	79	3	14	29.76	29.95	22	SCT	NC				69	63	65	81	3	16	30.03	30.23
SUNRISE: 0516 AUG 04						SUNSET: 1915						SUNRISE: 0521 AUG 10						SUNSET: 1909									
01	CLR	NC			BR	73	70	71	90	3	14	29.74	29.93	01	CLR	NC				68	61	64	78	3	18	30.01	30.22
04	CLR	NC			BR	73	70	71	90	3	31	29.70	29.90	04	BKN	150				66	60	62	81	0	00	30.00	30.20
07	BKN	250			BR	72	70	71	94	5	36	29.70	29.90	07	OVC	150				67	63	64	87	3	16	30.03	30.23
10	OVC	120			HZ	82	70	74	67	3	20	29.70	29.89	10	BKN	140				75	66	69	74	7	18	30.05	30.25
13	OVC	250				87	66	73	50	10	27	29.65	29.84	13	BKN	250				84	56	67	38	6	19	30.02	30.22
16	OVC	120			BR	70	68	69	93	0	00	29.65	29.85	16	BKN	150				85	59	69	42	8	14	29.99	30.19
19	OVC	250				71	68	69	90	8	23	29.63	29.83	19	SCT	NC				78	68	71	71	7	14	29.98	30.18
22	CLR	NC				68	68	68	100	0	00	29.66	29.86	22	FEW	NC				70	67	68	90	6	13	29.99	30.19
SUNRISE: 0517 AUG 05						SUNSET: 1914						SUNRISE: 0522 AUG 11						SUNSET: 1907									
01	CLR	NC				67	67	67	100	5	33	29.63	29.83	01	CLR	NC				67	65	66	93	5	14	29.97	30.17
04	CLR	NC				66	66	66	100	6	35	29.64	29.83	04	CLR	NC				67	66	66	97	3	19	29.95	30.15
07	BKN	100				67	65	66	93	6	36	29.68	29.88	07	CLR	NC				69	68	68	96	5	20	29.98	30.18
10	BKN	090				74	65	68	74	7	04	29.69	29.89	10	FEW	NC				82	67	72	60	0	00	29.98	30.18
13	BKN	080				79	62	68	56	6	VR	29.70	29.90	13	SCT	NC				87	65	72	48	3	VR	29.95	30.15
16	BKN	200				77	62	68	60	3	30	29.69	29.89	16	BKN	250				89	67	74	48	8	18	29.90	30.10
19	BKN	090				73	60	65	64	13	01	29.74	29.94	19	BKN	250				83	70	74	65	7	15	29.90	30.09
22	SCT	NC				67	61	63	81	5	35	29.79	29.99	22	BKN	250				76	71	73	85	7	14	29.92	30.12
SUNRISE: 0518 AUG 06						SUNSET: 1913						SUNRISE: 0523 AUG 12						SUNSET: 1906									
01	SCT	NC				63	60	61	90	6	36	29.80	30.00	01	FEW	NC				72	70	71	94	5	14	29.90	30.10
04	CLR	NC				61	57	59	87	8	36	29.81	30.01	04	SCT	NC				72	70	71	94	0	00	29.89	30.09
07	BKN	200				63	56	59	78	8	02	29.86	30.06	07	OVC	100				75	70	72	84	0	00	29.93	30.13
10	BKN	250				73	60	65	64	10	03	29.90	30.09	10	BKN	250				84	71	75	65	6	04	29.94	30.14
13	BKN	050				77	57	65	50	5	35	29.90	30.10	13	BKN	045				91	72	78	54	7	08	29.91	30.11
16	BKN	055				79	54	64	42	3	VR	29.89	30.09	16	BKN	250				88	72	77	59	6	04	29.88	30.08
19	BKN	250				73	60	65	64	5	06	29.92	30.11	19	BKN	250				83	74	77	74	7	09	29.88	30.07
22	BKN	250				66	61	63	84	0	00	29.96	30.16	22	BKN	250				77	72	74	85	3	14	29.90	30.09

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

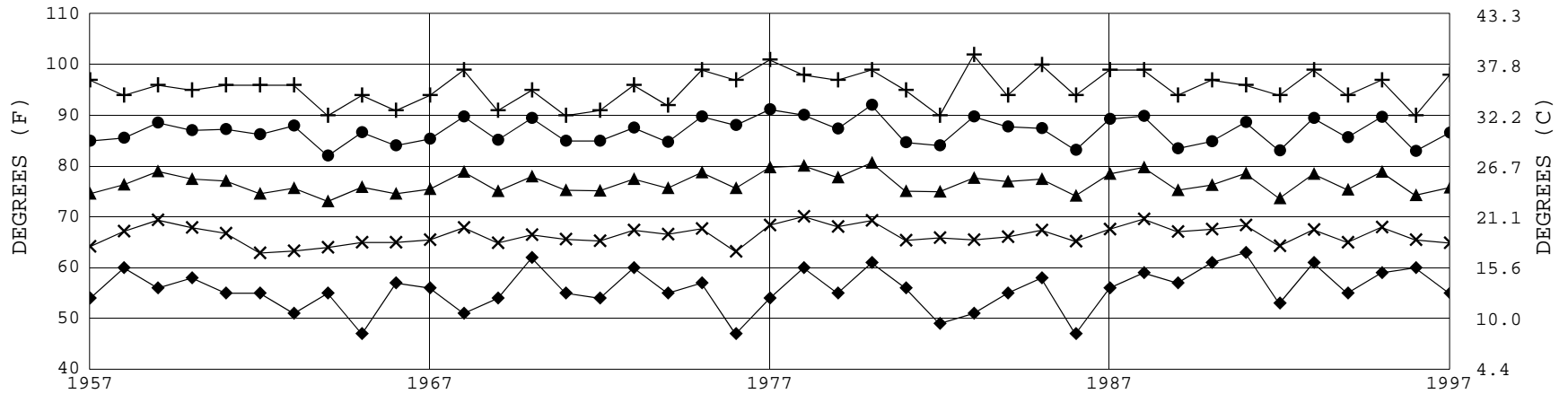
AUGUST 1997

RIC

WBAN # 13740

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		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: 0534						AUG 25						SUNSET: 1848						SUNRISE: 0539						AUG 31						SUNSET: 1839					
01	FEW	NC			10.00	63	58	60	84	0	00	29.92	30.12	01	FEW	NC			10.00	66	63	64	90	0	00	29.85	30.05								
04	FEW	NC			10.00	59	57	58	93	0	00	29.90	30.10	04	CLR	NC			6.00	65	63	64	93	3	14	29.84	30.04								
07	BKN	085			5.00	64	60	62	87	0	00	29.93	30.13	07	BKN	250			6.00	65	63	64	93	3	15	29.89	30.09								
10	OVC	150			10.00	75	57	64	54	5	14	29.94	30.14	10	OVC	250			10.00	80	64	70	58	8	17	29.90	30.10								
13	BKN	250			10.00	80	54	64	41	5	VR	29.91	30.11	13	OVC	250			10.00	87	60	70	40	15	15	29.87	30.07								
16	BKN	250			10.00	83	58	67	43	6	VR	29.87	30.07	16	OVC	250			10.00	84	59	68	43	14	15	29.84	30.04								
19	BKN	250			10.00	73	61	66	66	8	12	29.90	30.10	19	BKN	250			10.00	78	62	68	58	7	15	29.87	30.06								
22	SCT	NC			10.00	67	60	63	79	7	12	29.92	30.12	22	BKN	250			10.00	73	64	67	74	8	15	29.91	30.11								
SUNRISE: 0535						AUG 26						SUNSET: 1847						3-HOURLY OBSERVATION NOTES																	
01	SCT	NC			10.00	64	60	62	87	0	00	29.91	30.11	Sky Cover is the amount of the sky obscured. CLR = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.																					
04	SCT	NC			10.00	63	60	61	90	0	00	29.92	30.12	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																					
07	BKN	250			10.00	65	62	63	90	0	00	29.95	30.14	NC = No ceiling detected.																					
10	FEW	NC			10.00	77	57	65	50	3	VR	29.96	30.16	& = Original observation contained additional weather elements.																					
13	SCT	NC			10.00	81	58	67	46	9	13	29.93	30.13	See page 3 for additional notes.																					
16	BKN	090			10.00	82	60	68	47	8	11	29.88	30.09																						
19	FEW	NC			10.00	75	61	66	62	7	13	29.88	30.08																						
22	SCT	NC			10.00	67	62	64	84	5	13	29.91	30.11																						
SUNRISE: 0535						AUG 27						SUNSET: 1845						SUMMARY BY HOUR																	
01	FEW	NC			10.00	65	62	63	90	0	00	29.89	30.09	AVERAGES																					
04	CLR	NC			10.00	62	60	61	93	0	00	29.87	30.07	RESULTANT WIND (MPH)																					
07	FEW	NC			7.00	64	62	63	93	0	00	29.88	30.09	HOUR (LST)																					
10	CLR	NC			10.00	78	60	67	54	5	VR	29.89	30.09	CEILOMETER																					
13	SCT	NC			10.00	84	60	69	44	6	15	29.81	30.01	EFF CLD AMT																					
16	SCT	NC			10.00	85	60	69	43	10	15	29.75	29.95	DRY BULB																					
19	SCT	NC			10.00	77	64	69	64	12	13	29.74	29.94	DEW POINT																					
22	SCT	NC			10.00	69	62	65	78	3	15	29.76	29.96	WET BULB																					
SUNRISE: 0536						AUG 28						SUNSET: 1844						HOUR (LST)																	
01	BKN	075			10.00	68	64	66	87	6	18	29.71	29.91	AVERAGES						RESULTANT WIND (MPH)															
04	BKN	110			10.00	66	63	64	90	6	20	29.67	29.87	HOUR (LST)						CEILOMETER															
07	BKN	250			10.00	69	65	66	87	6	19	29.66	29.85	EFF CLD AMT						DRY BULB															
10	FEW	NC			8.00	80	66	71	62	5	VR	29.65	29.85	DEW POINT						WET BULB															
13	SCT	NC			9.00	87	66	73	50	9	33	29.61	29.81	RELATIVE HUMIDITY						PRESSURE (INCHES, HG)															
16	SCT	NC			10.00	89	63	72	42	13	03	29.58	29.78	STATION						SEA LEVEL															
19	FEW	NC			10.00	83	62	69	49	0	00	29.58	29.78	VISIBILITY (MILES)						WIND SPEED (MPH)															
22	SCT	NC			10.00	76	64	68	67	3	13	29.62	29.82	SPEED						DIRECTION															
SUNRISE: 0537						AUG 29						SUNSET: 1842						HOUR (LST)																	
01	FEW	NC			6.00	70	67	68	90	0	00	29.61	29.81	AVERAGES						RESULTANT WIND (MPH)															
04	CLR	NC			4.00	69	67	68	93	3	33	29.61	29.80	HOUR (LST)						CEILOMETER															
07	BKN	065			10.00	68	61	64	78	14	01	29.66	29.86	EFF CLD AMT						DRY BULB															
10	SCT	NC			10.00	76	60	66	58	14	36	29.69	29.88	DEW POINT						WET BULB															
13	BKN	250			10.00	82	59	68	46	10	33	29.68	29.87	RELATIVE HUMIDITY						PRESSURE (INCHES, HG)															
16	BKN	250			10.00	83	58	67	43	12	36	29.68	29.88	STATION						SEA LEVEL															
19	BKN	250			10.00	74	58	64	57	7	02	29.71	29.91	VISIBILITY (MILES)						WIND SPEED (MPH)															
22	SCT	NC			10.00	67	60	63	79	0	00	29.76	29.96	SPEED						DIRECTION															
SUNRISE: 0538						AUG 30						SUNSET: 1841						HOUR (LST)																	
01	SCT	NC			10.00	66	59	62	78	9	36	29.76	29.96	AVERAGES						RESULTANT WIND (MPH)															
04	CLR	NC			10.00	63	57	60	81	6	35	29.77	29.97	HOUR (LST)						CEILOMETER															
07	SCT	NC			10.00	65	58	61	78	6	01	29.83	30.03	EFF CLD AMT						DRY BULB															
10	SCT	NC			10.00	78	60	67	54	3	VR	29.86	30.06	DEW POINT						WET BULB															
13	BKN	060			10.00	82	55	66	40	9	34	29.83	30.03	RELATIVE HUMIDITY						PRESSURE (INCHES, HG)															
16	SCT	NC			10.00	83	55	66	38	5	34	29.78	29.98	STATION						SEA LEVEL															
19	CLR	NC			10.00	76	58	65	54	5	06	29.81	30.01	VISIBILITY (MILES)						WIND SPEED (MPH)															
22	CLR	NC			10.00	69	63	65	81	7	15	29.85	30.04	SPEED						DIRECTION															

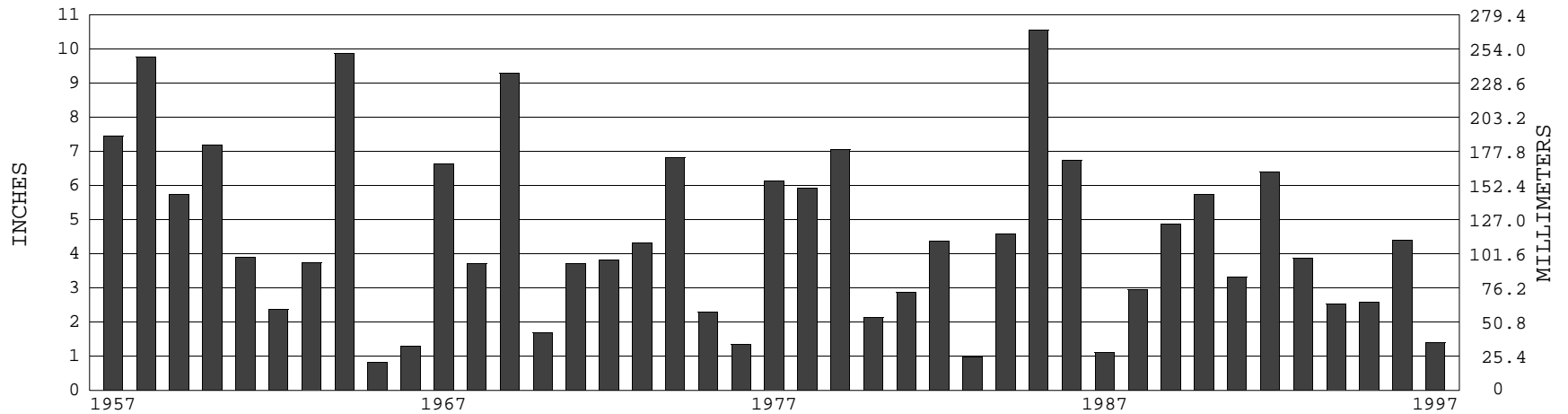
RICHMOND, VA AUGUST TEMPERATURES



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

Long-Term (1957-1997) Mean: 76.7 1961-1990 Normal: 76.8

RICHMOND, VA AUGUST PRECIPITATION



Long-Term (1957-1997) Mean Monthly Total: 4.55

1961-1990 Normal: 4.40



**AUGUST 1997
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.

ACTING DIRECTOR

NOTICE

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

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