



FEBRUARY 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): 165 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	53	31	42	6	31	38	23	0					0.00	29.93	30.12	0.3	03	3.8	18	02	15	01	01						
02	53	32	43	7	25	35	22	0					0.00	29.85	30.04	7.5	29	9.1	29	29	23	29	02						
03	42	24	33	-3	10	25	32	0	RA				T	30.13	30.33	1.3	34	5.6	18	34	15	34	03						
04	47	25	36	0	25	32	29	0	RA				0.02	30.11	30.30	4.5	14	5.5	17	12	14	14	04						
05	46	36	41	4	35	38	24	0	RA BR				0.53	29.77	29.97	6.5	32	9.4	21	01	17	34	05						
06	56	29	43	6	26	36	22	0					0.00	29.87	30.07	7.3	23	8.4	24	23	20	22	06						
07	56	27	42	5	30	37	23	0					0.00	30.12	30.32	2.6	09	3.4	14	07	12	07	07						
08	65	31	48	11	34	41	17	0	BR				0.00	30.22	30.41	5.4	20	6.9	21	20	17	22	08						
09	70*	46	58*	21	48	53	7	0					0.00	29.95	30.14	16.2	21	16.4	35*	21	31*	21	09						
10	63	37	50	13	35	47	15	0	RA				T	29.85	30.04	8.7	28	15.3	33	20	25	21	10						
11	41	27	34	-4	12	27	31	0					0.00	30.36	30.56	7.2	03	8.2	22	01	18	01	11						
12	35	28	32	-6	24	30	33	0	RA DZ FZDZ SN BR				0.03	30.39	30.59	3.2	04	4.2	12	07	9	08	12						
13	54	33	44	6	38	40	21	0	RA DZ BR				0.09	30.18	30.38	2.3	08	5.1	13	04	10	08	13						
14	56	42	49	11	47	48	16	0	RA DZ BR				0.18	29.91	30.11	8.1	20	8.7	21	23	17	22	14						
15	66	45	56	17	52	54	9	0	RA BR				0.01	29.77	29.96	2.9	23	9.0	24	04	21	04	15						
16	46	41	44	5	43	44	21	0	RA DZ BR				0.66	29.81	30.00	4.4	03	5.5	15	01	13	02	16						
17	49	27	38	-1	29	37	27	0	RA BR				0.27	29.88	30.08	11.2	36	12.2	28	33	22	33	17						
18	38	20	29	-10	11	24	36	0					0.00	30.27	30.47	3.7	01	6.8	18	26	15	36	18						
19	51	24	38	-2	19	31	27	0					0.00	30.21	30.41	9.4	19	9.6	25	20	22	20	19						
20	69	33	51	11	32	43	14	0					0.00	30.00	30.19	10.0	22	10.2	28	23	23	22	20						
21	65	32	49	9	32	44	16	0					0.00	29.97	30.16	7.2	31	13.1	29	33	23	29	21						
22	32	24	28*	-12	18	24	37	0	RA FZRA FZDZ SN FG+ FZFG				0.23	30.07	30.27	8.2	02	9.3	24	06	18	06	22						
23	49	17*	33	-8	26	31	32	0	BR				0.00	30.07	30.27	0.1	03	5.6	16	05	14	04	23						
24	48	28	38	-3	25	33	27	0					0.00	30.35	30.55	6.7	10	7.4	18	08	15	12	24						
25	65	36	51	10	49	51	14	0	RA BR				0.52	29.95	30.14	8.9	20	10.0	26	23	23	23	25						
26	65	40	53	11	38	47	12	0					0.00	29.95	30.14	5.7	32	9.5	23	31	16	02	26						
27	59	28	44	2	29	39	21	0					0.00	30.02	30.22	3.0	14	5.6	17	18	15	20	27						
28	48	36	42	-1	31	37	23	0	RA				0.01	29.85	30.04	6.2	05	9.9	24	03	22	02	28						
< MONTHLY AVERAGES										TOTALS->						2.55	30.03	30.22	1.0	26	8.4	<- MONTHLY AVERAGES							
3.9										3.3				3.6				<-----DEPARTURE FROM NORMAL----->				- .61				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.90				DATE: 16-17				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL:				DATE:				MAXIMUM				: 30.68				12 0954			
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:				DATE:				MINIMUM				: 29.80				17 0154			
HEATING: 631										NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 17				PRECIPITATION ≥ 0.01 INCH: 11							
COOLING: 0										->				MAXIMUM TEMP ≤ 32: 1				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 6							
0										0				0				0				:							

FEBRUARY 2001
RICHMOND, VA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

FEBRUARY 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													01												01		0.00		
02													02												02		0.00		
03													03												03		T		
04													04												04		0.02		
05	0.05	0.05	0.11	0.12	0.03	0.10	0.02	0.02	0.01	0.02			05												05		0.53		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		T		
11													11												11		0.00		
12													12												12		0.03		
13													13												13		0.09		
14	0.01	0.02	0.02	0.03	0.01	T							14												14		0.18		
15		0.01	0.01	0.03	0.02	0.03	T	0.01	0.01	T			15												15		0.01		
16													16	0.01	T										16	0.65	0.66		
17	0.10	0.10	0.03	T	0.10	0.03	0.03	0.04	0.04	0.03	0.01	0.01	17												17	0.28	0.27		
18					0.01	0.02	T						18												18		0.00		
19													19												19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22													22												22	0.19	0.23		
23													23	0.07	0.04	0.02	T								23		0.00		
24													24												24		0.00		
25													25	0.14	0.02	T									25	0.47	0.52		
26													26												26		0.00		
27													27												27		0.00		
28				T	0.01	T	T						28												28		0.01		

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.

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 FEBRUARY 2001

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							9.00	10.00	
03							10.00	10.00	
04							9.00	10.00	
05							2.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							6.00	10.00	
09							8.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							2.50	10.00	
13							2.50	10.00	
14							1.25	10.00	
15							2.00	10.00	
16							.75	10.00	
17							2.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							8.00	10.00	
22							.25	10.00	
23							5.00	10.00	
24							10.00	10.00	
25							1.50	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
MONTHLY AVGS							6.76	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 28									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 1 9 17									

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

FEBRUARY 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: 0712				FEB 01				SUNSET: 1734				SUNRISE: 0707				FEB 07				SUNSET: 1740									
01	OVC	075		10.00		39	31	36	73	0	00	29.76	29.96	01	CLR	NC		10.00		39	26	34	60	0	00	29.95	30.15		
04	BKN	070		10.00		38	32	36	79	0	00	29.83	30.02	04	CLR	NC		10.00		31	27	29	85	0	00	30.00	30.19		
07	SCT	NC		10.00		31	28	30	89	0	00	29.90	30.09	07	OVC	250		10.00		30	26	29	85	0	00	30.09	30.28		
10	FEW	NC		10.00		49	32	42	52	9	29	29.96	30.16	10	CLR	NC		10.00		46	31	40	56	9	08	30.16	30.36		
13	OVC	250		10.00		52	30	43	43	5	VR	29.95	30.14	13	CLR	NC		10.00		52	31	43	45	3	VR	30.14	30.34		
16	OVC	250		10.00		52	29	42	41	0	00	29.95	30.15	16	SCT	NC		10.00		55	34	45	45	3	VR	30.12	30.32		
19	OVC	065		10.00		49	31	41	50	0	00	30.00	30.20	19	BKN	250		10.00		48	34	42	58	9	08	30.17	30.37		
22	BKN	060		10.00		41	32	37	70	8	12	29.98	30.18	22	BKN	250		10.00		41	31	37	67	6	08	30.23	30.42		
SUNRISE: 0712				FEB 02				SUNSET: 1735				SUNRISE: 0706				FEB 08				SUNSET: 1741									
01	OVC	250		10.00		37	32	35	82	0	00	29.95	30.14	01	SCT	NC		10.00		37	30	34	76	3	16	30.25	30.44		
04	OVC	250		10.00		34	32	33	92	3	21	29.90	30.09	04	SCT	NC		10.00		34	30	32	85	0	00	30.24	30.44		
07	OVC	100		10.00		34	32	33	92	5	21	29.88	30.07	07	FEW	NC		8.00		32	29	31	88	3	01	30.28	30.48		
10	OVC	045		10.00		38	33	36	83	5	19	29.85	30.04	10	FEW	NC		10.00		46	35	41	66	3	20	30.31	30.50		
13	OVC	200		10.00		49	27	40	43	12	26	29.74	29.93	13	OVC	250		10.00		59	39	49	48	9	18	30.23	30.43		
16	BKN	250		10.00		52	21	40	30	17	29	29.71	29.91	16	OVC	250		10.00		65	33	50	31	15	22	30.16	30.36		
19	SCT	NC		10.00		45	20	36	37	15	29	29.83	30.02	19	OVC	250		10.00		52	33	44	49	8	19	30.16	30.36		
22	FEW	NC		10.00		37	10	29	33	17	33	29.95	30.14	22	BKN	250		10.00		51	37	45	59	9	21	30.14	30.34		
SUNRISE: 0711				FEB 03				SUNSET: 1736				SUNRISE: 0705				FEB 09				SUNSET: 1742									
01	SCT	NC		10.00		30	10	24	43	9	34	29.99	30.19	01	FEW	NC		10.00		46	39	43	77	9	20	30.12	30.32		
04	FEW	NC		10.00		25	9	21	50	5	33	30.06	30.25	04	CLR	NC		10.00		49	45	47	86	13	20	30.08	30.27		
07	BKN	250		10.00		26	11	22	53	0	00	30.14	30.34	07	FEW	NC		9.00		48	46	47	93	12	21	30.06	30.25		
10	SCT	NC		10.00		32	10	25	40	6	VR	30.18	30.38	10	SCT	NC		10.00		58	50	54	75	12	22	30.04	30.23		
13	FEW	NC		10.00		38	5	28	25	12	27	30.14	30.34	13	OVC	250		10.00		68	50	58	53	26	21	29.94	30.14		
16	FEW	NC		10.00		41	5	30	22	7	26	30.10	30.30	16	OVC	200		10.00		68	48	57	49	21	22	29.86	30.05		
19	FEW	NC		10.00		32	9	25	38	3	13	30.16	30.36	19	OVC	200		10.00		64	50	56	61	21	20	29.83	30.03		
22	CLR	NC		10.00		28	18	25	66	8	12	30.19	30.39	22	OVC	150		10.00		62	52	56	70	21	20	29.77	29.96		
SUNRISE: 0710				FEB 04				SUNSET: 1737				SUNRISE: 0704				FEB 10				SUNSET: 1743									
01	FEW	NC		10.00		27	20	25	75	5	14	30.19	30.39	01	BKN	200		10.00		62	53	57	73	22	19	29.67	29.85		
04	BKN	250		10.00		28	21	26	75	6	15	30.17	30.37	04	OVC	070		10.00		63	55	58	76	24	21	29.63	29.82		
07	OVC	200		10.00		26	21	24	81	0	00	30.19	30.39	07	OVC	049		10.00		62	56	59	81	20	24	29.69	29.88		
10	SCT	NC		10.00		34	25	31	70	5	19	30.22	30.42	10	FEW	NC		10.00		62	36	50	38	17	31	29.79	29.98		
13	OVC	140		10.00		42	20	34	41	3	12	30.12	30.32	13	CLR	NC		10.00		61	29	47	30	15	32	29.84	30.03		
16	OVC	095		10.00		45	24	37	44	10	14	30.03	30.22	16	FEW	NC		10.00		57	22	43	26	14	31	29.89	30.08		
19	OVC	055		10.00		42	28	36	58	6	12	30.02	30.22	19	CLR	NC		10.00		49	23	39	36	9	34	29.99	30.18		
22	OVC	031		10.00		38	35	37	89	0	00	29.99	30.19	22	CLR	NC		10.00		39	19	32	45	9	36	30.10	30.29		
SUNRISE: 0709				FEB 05				SUNSET: 1738				SUNRISE: 0703				FEB 11				SUNSET: 1745									
01	OVC	026		7.00	-RA	37	36	37	96	7	01	29.90	30.10	01	FEW	NC		10.00		35	17	29	48	13	01	30.16	30.35		
04	OVC	003		3.00	RA BR	36	36	36	100	8	35	29.81	30.01	04	CLR	NC		10.00		31	16	26	54	13	02	30.23	30.43		
07	OVC	005		4.00	-RA BR	38	37	38	97	9	35	29.79	29.98	07	CLR	NC		10.00		28	15	24	58	9	02	30.34	30.54		
10	OVC	031		8.00	-RA	38	37	38	97	10	35	29.75	29.95	10	CLR	NC		10.00		34	11	27	38	12	01	30.43	30.62		
13	OVC	017		10.00		42	38	40	85	12	30	29.72	29.91	13	SCT	NC		10.00		38	8	29	29	10	01	30.38	30.58		
16	FEW	NC		10.00		46	37	42	71	7	VR	29.70	29.90	16	OVC	250		10.00		39	8	30	28	9	01	30.38	30.58		
19	SCT	NC		10.00		41	36	39	82	3	15	29.74	29.94	19	OVC	250		10.00		35	11	28	37	6	07	30.42	30.62		
22	CLR	NC		10.00		40	28	35	63	8	27	29.79	29.98	22	BKN	250		10.00		31	12	25	45	5	13	30.45	30.65		
SUNRISE: 0708				FEB 06				SUNSET: 1739				SUNRISE: 0702				FEB 12				SUNSET: 1746									
01	CLR	NC		10.00		36	26	32	67	7	24	29.81	30.01	01	BKN	200		10.00		30	18	26	61	0	00	30.47	30.67		
04	CLR	NC		10.00		35	25	31	67	7	26	29.85	30.05	04	OVC	065		10.00		31	19	27	61	5	05	30.46	30.66		
07	CLR	NC		10.00		34	25	31	70	8	25	29.91	30.10	07	OVC	060		10.00		31	18	27	59	6	04	30.45	30.65		
10	BKN	120		10.00		44	27	37	51	10	27	29.93	30.12	10	OVC	045		10.00		33	18	28	54	0	00	30.48	30.68		
13	CLR	NC		10.00		50	26	40	39	9	22	29.89	30.08	13	OVC	020		10.00		34	25	31	70	7	02	30.42	30.62		
16	FEW	NC		10.00		56	25	43	30	17	22	29.81	30.00	16	OVC	022		10.00		34	29	32	82	6	02	30.35	30.55		
19	CLR	NC		10.00		43	25	36	49	7	20	29.85	30.04	19	OVC	007		5.00	-DZ BR	32	31	32	96	5	01	30.31	30.51		
22	CLR	NC		10.00		42	27	36	55	9	21	29.89	30.09	22	OVC	005		3.00	-RA BR	32	31	32	96	6	01	30.28	30.48		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

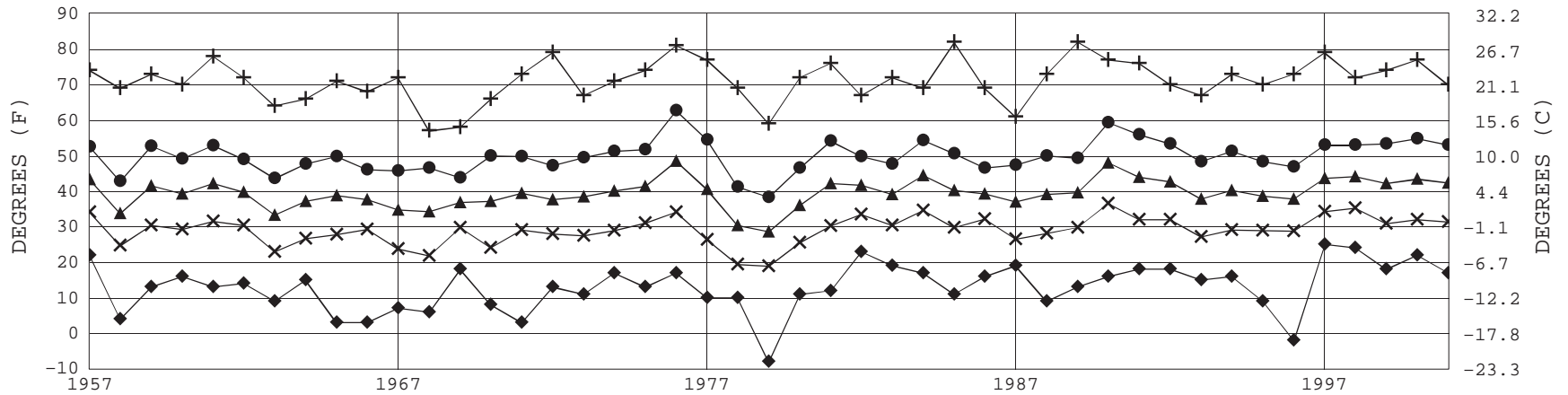
FEBRUARY 2001

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: 0701					FEB 13				SUNSET: 1747				SUNRISE: 0653					FEB 19				SUNSET: 1753							
01	OVC	004		3.00	-DZ BR	33	33	33	100	7	35	30.23	30.43	01	CLR	NC		10.00		26	14	22	60	3	19	30.29	30.49		
04	OVC	003		4.00	-RA BR	34	33	34	97	3	19	30.16	30.36	04	CLR	NC		10.00		25	15	22	66	0	00	30.27	30.47		
07	OVC	005		8.00		35	34	35	96	5	35	30.19	30.38	07	OVC	250		10.00		26	16	23	66	5	14	30.28	30.48		
10	OVC	005		5.00	BR	38	36	37	93	3	03	30.22	30.42	10	SCT	NC		10.00		37	21	31	52	10	20	30.30	30.50		
13	OVC	250		10.00		52	42	47	69	7	08	30.18	30.37	13	FEW	NC		10.00		47	18	36	31	18	19	30.21	30.41		
16	BKN	250		10.00		52	41	47	66	8	08	30.14	30.33	16	FEW	NC		10.00		50	21	39	32	16	20	30.11	30.31		
19	OVC	250		10.00		45	40	43	83	3	13	30.16	30.35	19	BKN	150		10.00		44	22	36	41	10	18	30.12	30.32		
22	OVC	150		10.00		44	40	42	85	7	14	30.18	30.37	22	CLR	NC		10.00		39	22	33	50	8	18	30.11	30.31		
SUNRISE: 0659					FEB 14				SUNSET: 1748				SUNRISE: 0652					FEB 20				SUNSET: 1754							
01	OVC	130		10.00		44	40	42	85	5	16	30.12	30.32	01	CLR	NC		10.00		36	22	31	57	8	20	30.09	30.28		
04	OVC	055		5.00	-RA BR	42	41	42	97	5	17	30.07	30.27	04	CLR	NC		10.00		37	22	32	54	8	21	30.09	30.29		
07	OVC	003		2.50	DZ BR	44	42	43	93	6	17	30.05	30.25	07	OVC	250		10.00		34	25	31	70	7	21	30.08	30.27		
10	OVC	003		2.50	-RA BR	46	44	45	96	8	17	30.01	30.21	10	SCT	NC		10.00		52	31	43	45	10	24	30.08	30.27		
13	OVC	005		2.00	BR	49	48	48	97	9	19	29.89	30.09	13	CLR	NC		10.00		66	32	50	28	14	23	29.98	30.18		
16	OVC	007		2.00	BR	52	50	51	93	10	21	29.81	30.00	16	SCT	NC		10.00		68	35	52	30	23	22	29.91	30.10		
19	OVC	009		2.00	BR	52	50	51	93	9	21	29.76	29.96	19	OVC	090		10.00		60	39	50	46	8	21	29.90	30.10		
22	OVC	011		6.00	BR	56	54	55	93	12	23	29.73	29.92	22	SCT	NC		10.00		57	44	50	62	8	23	29.89	30.08		
SUNRISE: 0658					FEB 15				SUNSET: 1749				SUNRISE: 0651					FEB 21				SUNSET: 1755							
01	OVC	120		6.00	BR	56	54	55	93	9	22	29.68	29.87	01	BKN	120		10.00		54	46	50	75	10	23	29.87	30.06		
04	OVC	110		8.00		58	55	56	90	12	24	29.66	29.85	04	CLR	NC		10.00		53	43	48	69	9	25	29.87	30.07		
07	OVC	100		9.00		59	55	57	87	12	23	29.69	29.88	07	OVC	250		10.00		52	45	48	77	8	25	29.89	30.08		
10	OVC	150		9.00		60	56	58	86	6	23	29.73	29.92	10	SCT	NC		10.00		60	43	51	53	14	28	29.91	30.11		
13	OVC	120		10.00		64	57	60	78	10	27	29.75	29.94	13	OVC	250		10.00		63	37	50	38	15	29	29.90	30.09		
16	OVC	100		10.00		65	55	59	70	7	32	29.75	29.94	16	OVC	250		10.00		61	24	45	24	17	31	29.93	30.12		
19	OVC	004		2.00	BR	50	47	48	89	12	07	29.88	30.07	19	SCT	NC		10.00		46	15	35	29	16	03	30.07	30.26		
22	OVC	009		10.00		46	42	44	86	6	07	29.91	30.11	22	CLR	NC		10.00		36	11	28	35	14	03	30.18	30.37		
SUNRISE: 0657					FEB 16				SUNSET: 1750				SUNRISE: 0650					FEB 22				SUNSET: 1756							
01	OVC	018		10.00		45	40	43	83	7	05	29.93	30.12	01	CLR	NC		10.00		31	8	24	38	10	04	30.23	30.42		
04	OVC	003		3.00	-RA BR	43	43	43	100	8	04	29.92	30.11	04	CLR	NC		10.00		27	8	22	45	7	05	30.21	30.40		
07	OVC	006		2.50	-RA BR	41	40	41	96	6	06	29.92	30.12	07	OVC	120		10.00		27	11	22	51	9	06	30.18	30.37		
10	OVC	004		1.50	-RA BR	42	42	42	100	3	01	29.89	30.09	10	OVC	035		10.00		29	13	24	51	8	04	30.20	30.40		
13	OVC	004		1.50	BR	44	43	44	96	0	00	29.79	29.98	13	OVC	011		0.75	-SN BR	26	25	26	96	9	36	30.04	30.24		
16	OVC	004		0.75	DZ BR	46	45	46	96	7	01	29.73	29.92	16	OVC	009		10.00		26	24	25	92	13	01	29.95	30.15		
19	OVC	006		2.50		46	45	46	96	5	03	29.68	29.88	19	OVC	007		1.75		25	24	25	96	12	35	29.91	30.11		
22	OVC	004		3.00	+RA BR	45	44	45	97	8	02	29.69	29.89	22	OVC	007		10.00		25	22	24	88	12	35	29.93	30.13		
SUNRISE: 0656					FEB 17				SUNSET: 1751				SUNRISE: 0648					FEB 23				SUNSET: 1757							
01	OVC	040		2.00	RA BR	44	44	44	100	3	01	29.66	29.85	01	OVC	018		10.00		24	21	23	88	9	34	29.92	30.12		
04	OVC	006		4.00	-RA BR	45	44	45	97	13	36	29.63	29.82	04	FEW	NC		10.00		22	20	21	92	3	29	29.96	30.16		
07	OVC	017		10.00		44	42	43	93	5	34	29.76	29.96	07	CLR	NC		8.00		21	18	20	88	6	26	30.02	30.22		
10	SCT	NC		10.00		45	37	41	74	12	35	29.82	30.02	10	CLR	NC		10.00		30	23	28	75	5	VR	30.09	30.29		
13	BKN	250		10.00		46	27	38	47	7	34	29.86	30.05	13	CLR	NC		10.00		41	31	37	67	6	17	30.09	30.28		
16	BKN	250		10.00		45	21	36	39	16	02	29.92	30.11	16	BKN	250		10.00		49	32	42	52	5	VR	30.05	30.25		
19	SCT	NC		10.00		35	17	29	48	13	01	30.06	30.25	19	SCT	NC		10.00		42	34	39	73	6	17	30.11	30.31		
22	CLR	NC		10.00		30	11	24	45	8	01	30.18	30.37	22	CLR	NC		10.00		34	32	33	92	7	04	30.19	30.39		
SUNRISE: 0655					FEB 18				SUNSET: 1752				SUNRISE: 0647					FEB 24				SUNSET: 1758							
01	CLR	NC		10.00		27	11	22	51	13	01	30.22	30.42	01	CLR	NC		10.00		36	23	31	59	8	05	30.27	30.46		
04	CLR	NC		10.00		24	9	20	52	10	02	30.25	30.45	04	CLR	NC		10.00		29	24	27	82	0	00	30.30	30.50		
07	CLR	NC		10.00		21	9	18	59	7	02	30.29	30.49	07	BKN	150		10.00		32	24	29	73	3	07	30.37	30.57		
10	CLR	NC		10.00		28	9	23	45	12	03	30.34	30.54	10	BKN	140		10.00		37	24	32	60	13	08	30.44	30.64		
13	CLR	NC		10.00		33	10	26	38	8	32	30.29	30.49	13	BKN	250		10.00		44	23	36	43	12	11	30.40	30.60		
16	CLR	NC		10.00		37	10	29	33	8	30	30.24	30.44	16	OVC	250		10.00		47	23	38	39	13	11	30.35	30.55		
19	CLR	NC		10.00		30	16	26	56	5	14	30.26	30.45	19	BKN	250		10.00		39	28	35	65	14	12	30.34	30.54		
22	CLR	NC		10.00		27	14	23	58	6	15	30.27	30.47	22	OVC	070		10.00		35	30	33	82	8	12	30.32	30.52		

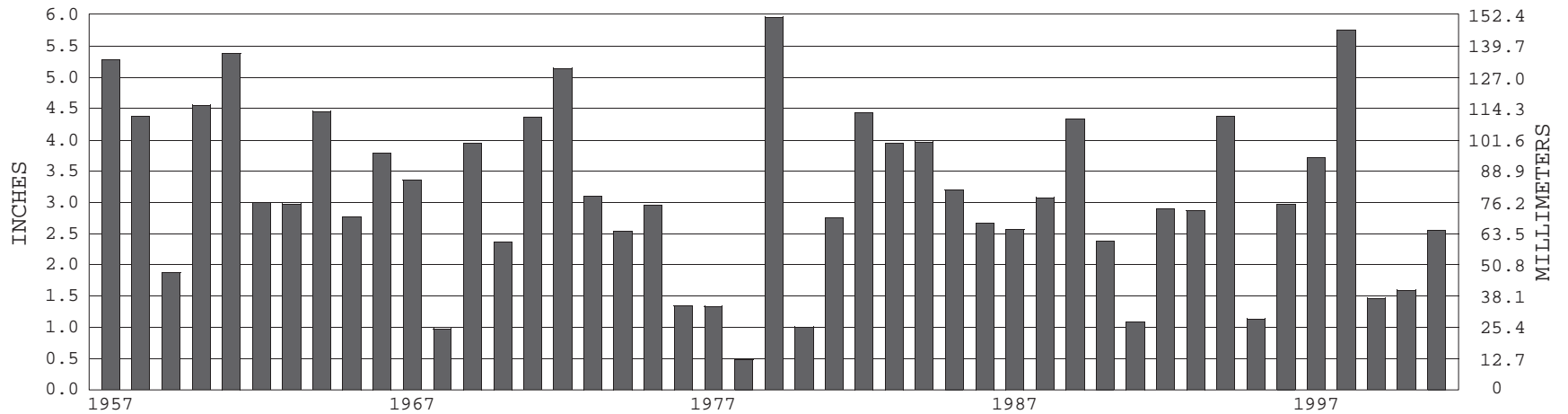
RICHMOND, VA FEBRUARY TEMPERATURES



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

Long-Term (1957-2001) Mean: 39.5 1961-1990 Normal: 38.7

RICHMOND, VA FEBRUARY PRECIPITATION



Long-Term (1957-2001) Mean Monthly Total: 3.14

1961-1990 Normal: 3.16



FEBRUARY 2001
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 Climatolgical 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