



FEBRUARY 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

FEBRUARY 1997
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	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	60	37	49	13	34	41	16	0	HZ	0		0.0	0.00	29.65	29.86	4.9	24	7.8	21	29	16	29	01
02	50	36	43	7	35	40	22	0		0		0.0	0.00	29.96	30.17	4.1	06	4.6	11	06	10	06	02
03	62	33	48	12	38	43	17	0	BR	0		0.0	0.00	30.04	30.25	4.4	03	5.0	20	04	16	04	03
04	45	38	42	6	35	39	23	0	RA BR	0		0.0	0.17	30.18	30.38	6.8	05	6.5	24	04	21	04	04
05	57	39	48	11	40	43	17	0	RA FG+ BR	0		0.0	0.08	29.86	30.06	2.8	29	7.4	22	02	18	01	05
06	50	32	41	4	29	36	24	0		0		0.0	0.00	30.02	30.23	3.1	30	3.0	14	28	11	28	06
07	44	37	41	4	37	38	24	0	RA FG BR	0		0.0	0.03	30.03	30.24	3.1	02	4.3	11	04	9	07	07
08	37	31	34	-3	33	34	31	0	RA SN BR UP	0		1.0	0.52	29.93	30.14	11.4	02	11.9	25	01	18	01	08
09	36	29	33	-4	28	31	32	0	BR	0		0.0	0.00	30.10	30.31	7.3	36	5.5	22	01	17	01	09
10	39	32	36	-1	32	33	29	0	RA SN BR HZ	0		T	0.01	30.03	30.24	4.4	03	3.6	10	04	9	03	10
11	40	27	34	-4	21	29	31	0	BR	0		0.0	0.00	30.02	30.23	7.8	34	7.7	24	01	18	01	11
12	46	27	37	-1	26	33	28	0		0		0.0	0.00	29.99	30.20	4.6	26	6.1	18	24	15	25	12
13	38	28	33*	-5	18	28	32	0	RA FZRA SN PE BR	0		T	0.05	30.29	30.50	9.1	04	10.7	25	01	22	01	13
14	38	31	35	-3	34	35	30	0	RA FZRA BR	0		0.0	0.79	29.90	30.11	3.8	32	7.5	16	33	13	22	14
15	49	35	42	3	35	38	23	0	RA BR	0		0.0	0.44	29.89	30.10	3.0	32	4.5	15	30	13	30	15
16	48	25*	37	-2	25	33	28	0		0		0.0	0.00	30.14	30.35	3.0	18	6.6	22	19	18	20	16
17	45	29	37	-2	18	31	28	0		0		0.0	0.00	30.33	30.54	4.3	33	8.6	25	33	20	36	17
18	62	29	46	7	25	37	19	0		0		0.0	0.00	30.27	30.48	11.7	20	11.9	29	21	24	21	18
19	71	48	60	20	37	49	5	0		0		0.0	0.00	29.97	30.18	12.9	23	13.3	29	22	24	22	19
20	65	37	51	11	33	44	14	0		0		0.0	0.00	30.13	30.33	4.5	15	7.0	22	13	18	13	20
21	73	39	56	16	50	53	9	0	RA BR	0		0.0	0.10	29.82	30.03	11.2	19	11.6	37	19	31	22	21
22	70	41	56	16	45	51	9	0	RA	0		0.0	0.08	29.69	29.89	10.2	25	14.6	38	23	31	24	22
23	53	29	41	0	23	35	24	0		0		0.0	0.00	30.19	30.40	13.3	23	4.6	17	25	14	24	23
24	57	30	44	3	24	37	21	0		0		0.0	0.00	30.20	30.41	6.7	24	7.0	23	25	17	23	24
25	47	29	38	-3	22	32	27	0		0		0.0	0.00	30.15	30.36	0.9	16	6.2	18	13	15	13	25
26	59	32	46	4	39	43	19	0	RA BR	0		0.0	0.16	29.97	30.18	7.8	19	8.2	25	18	21	18	26
27	79*	50	65*	23	58	61	0	0	RA FG BR	0		0.0	T	29.71	29.91	14.9	23	15.5	49*	26	39*	23	27
28	68	48	58	15	52	53	7	0	RA BR	0		0.0	1.28	30.00	30.20	3.2	35	7.2	24	13	22	14	28
< MONTHLY AVERAGES										TOTALS-->		1.0	3.71	30.02	30.22	1.9	26	7.8	<- MONTHLY AVERAGES				
3.9				6.1		5.0		<----- DEPARTURE FROM NORMAL ----->				0.55		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.28 DATE: 28				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 1.0 DATE: 08				MAXIMUM : 30.65				17 1132						
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:				MINIMUM : 29.74				22 0430						
HEATING: 589			-147			2938			-196			NUMBER OF DAYS WITH =>		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 15		PRECIPITATION ≥ 0.01 INCH : 12					
COOLING: 0			0			0			0			MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 7							
												THUNDERSTORMS : 0		HEAVY FOG : 1		SNOWFALL ≥ 1.0 INCH : 1							

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA

FEBRUARY 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		0.01	0.01	0.05	0.01	0.03	0.01	0.01	T		0.04	T			0.17	
05													05												05			0.08	
06													06												06			0.00	
07													07												07			0.03	
08					0.08	0.08	T	T	T	0.03	T	T	08	0.03	0.02	0.03	0.01	0.01	0.01	0.01	T	T		08			0.52		
09													09												09			0.00	
10													10				T	T	T	T	0.01	T		T	T			0.01	
11													11												11			0.00	
12													12												12			0.00	
13													13								0.02	0.01	T	T	0.01	0.05		0.05	
14	0.08	0.06	0.08		0.16	0.10							14								0.01	0.06	0.08	0.05	0.02	0.70		0.79	
15	0.05	0.10	0.08	0.01	0.04	0.05	0.02	0.07	0.02	T			15	T														0.44	
16													16															0.00	
17													17															0.00	
18													18															0.00	
19													19															0.00	
20													20															0.00	
21													21									T	0.06	0.04	T			0.10	
22	T												22		0.08	T												0.08	
23													23															0.00	
24													24															0.00	
25													25															0.00	
26													26					T	0.04	0.05	0.03	0.03	0.01	T	T			0.16	
27													27				T											T	
28		T	0.01		0.12	0.15	0.43	0.25	0.14	0.03	0.04	0.04	28	0.02	T	0.03	0.02											1.28	

MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.06	.12	.17	.21	.28	.38	.46	.55	.63	.69	.85	.92
Ending Date	28	28	28	28	28	28	28	28	28	28	28	28
Ending Time (Hour/Min)	0621	0621	0626	0628	0640	0643	0702	0700	0712	0801	0805	0814

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 FEBRUARY 1997

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

ADDITIONAL NOTES:

Errata -JAN 1997- Correct columns 11,12,13, and 14 heading times to read as follows:
11, 0700LST; 12, 1300LST; 13&14 2400LST

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							6.00	10.00	
02							10.00	10.00	
03							4.00	10.00	
04							1.00	10.00	
05							.25	10.00	
06							10.00	10.00	
07							.50	10.00	
08							.75	10.00	
09							6.00	10.00	
10							1.50	8.00	
11							4.00	10.00	
12							7.00	10.00	
13							3.00	10.00	
14							2.00	3.00	
15							2.00	10.00	
16							8.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							1.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							.50	10.00	
27							.50	10.00	
28							2.00	10.00	
MONTHLY AVGS							5.36	9.68	
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 12 12									

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

FEBRUARY 1997

RIC

WBAN # 13740

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)									
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Otktas		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 Otktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL						
SUNRISE: 0713						FEB 01						SUNSET: 1734						SUNRISE: 0707						FEB 07						SUNSET: 1740					
01	CLR	NC			9.00		42	37	40	82	14	20	29.56	29.77	01	CLR	NC			10.00		38	32	36	79	3	13	30.02	30.22						
04	CLR	NC			10.00		39	35	37	86	8	21	29.53	29.74	04	BKN	100			10.00		38	33	36	83	3	10	30.02	30.23						
07	CLR	NC			9.00		38	34	36	86	8	22	29.57	29.77	07	OVC	044			9.00	-RA	38	35	37	89	0	00	30.04	30.24						
10	CLR	NC			10.00		49	33	42	55	6	26	29.62	29.82	10	OVC	075			3.00	BR	39	37	38	93	0	00	30.06	30.27						
13	CLR	NC			10.00		57	31	45	37	9	24	29.63	29.83	13	OVC	080			3.00	BR	42	40	41	92	3	06	30.05	30.25						
16	CLR	NC			10.00		59	31	46	35	9	30	29.67	29.88	16	OVC	007			7.00		44	40	42	85	9	04	29.99	30.20						
19	CLR	NC			10.00		49	34	42	57	5	10	29.74	29.94	19	OVC	009			9.00		42	38	40	85	5	06	30.05	30.25						
22	CLR	NC			10.00		45	32	39	61	6	04	29.79	30.00	22	BKN	005			4.00	BR	38	36	37	93	6	05	30.03	30.24						
SUNRISE: 0712						FEB 02						SUNSET: 1735						SUNRISE: 0706						FEB 08						SUNSET: 1741					
01	CLR	NC			10.00		40	33	37	77	6	03	29.86	30.06	01	OVC	001			0.75	BR	37	37	37	100	12	02	29.99	30.20						
04	CLR	NC			10.00		40	33	37	77	6	04	29.89	30.09	04	OVC	007			2.00	-RA BR	37	36	37	96	8	01	29.96	30.16						
07	CLR	NC			10.00		38	34	36	86	8	02	29.95	30.15	07	OVC	005			2.00	-RA BR	36	35	36	97	12	05	29.90	30.10						
10	SCT	NC			10.00		42	33	38	71	8	05	30.00	30.21	10	OVC	005			3.00	-RA BR	35	34	35	96	9	03	29.91	30.12						
13	BKN	100			10.00		48	34	42	58	7	07	29.98	30.18	13	OVC	007			2.50	-SN BR	33	32	33	96	10	02	29.86	30.06						
16	OVC	100			10.00		50	36	44	59	3	03	29.97	30.17	16	OVC	007			1.00	-SN BR	33	32	33	96	14	01	29.87	30.08						
19	OVC	120			10.00		47	36	42	66	0	00	29.99	30.20	19	OVC	011			1.00	-SN BR	32	31	32	96	15	01	29.94	30.14						
22	OVC	120			10.00		44	37	41	76	5	04	30.01	30.21	22	OVC	011			9.00		31	29	30	92	13	01	30.00	30.21						
SUNRISE: 0711						FEB 03						SUNSET: 1736						SUNRISE: 0705						FEB 09						SUNSET: 1742					
01	CLR	NC			8.00		38	35	37	89	6	35	29.99	30.20	01	OVC	012			10.00		31	28	30	89	12	01	30.03	30.24						
04	CLR	NC			6.00	BR	35	33	34	93	0	00	29.98	30.18	04	OVC	010			10.00		30	27	29	88	8	34	30.06	30.27						
07	CLR	NC			5.00	BR	34	33	34	97	0	00	30.00	30.21	07	OVC	008			10.00		30	29	30	96	8	02	30.08	30.29						
10	SCT	NC			8.00		47	39	43	74	0	00	30.03	30.24	10	OVC	006			7.00		30	28	29	92	7	02	30.13	30.34						
13	FEW	NC			8.00		57	43	50	60	3	24	30.01	30.21	13	OVC	019			10.00		35	28	32	76	8	35	30.13	30.34						
16	CLR	NC			10.00		59	43	51	56	8	03	30.02	30.23	16	OVC	023			10.00		36	28	33	73	3	VR	30.11	30.32						
19	CLR	NC			10.00		52	40	46	64	7	04	30.10	30.31	19	CLR	NC			9.00		30	27	29	88	5	23	30.13	30.34						
22	CLR	NC			8.00		48	37	43	66	14	05	30.19	30.39	22	OVC	044			6.00	BR	32	30	31	92	0	00	30.11	30.32						
SUNRISE: 0710						FEB 04						SUNSET: 1737						SUNRISE: 0704						FEB 10						SUNSET: 1743					
01	CLR	NC			9.00		43	34	39	71	13	04	30.23	30.44	01	OVC	040			5.00	BR	33	31	32	92	0	00	30.10	30.31						
04	SCT	NC			10.00		40	28	35	63	9	08	30.26	30.47	04	OVC	034			7.00		33	31	32	92	3	15	30.07	30.28						
07	BKN	120			10.00		38	28	34	68	8	03	30.29	30.49	07	OVC	036			6.00	BR	33	31	32	92	3	17	30.09	30.30						
10	OVC	020			10.00		39	31	36	73	9	07	30.28	30.49	10	OVC	042			5.00	BR	36	32	34	86	0	00	30.09	30.30						
13	OVC	018			9.00		42	35	39	76	8	07	30.22	30.43	13	BKN	110			8.00		38	32	36	79	5	05	30.02	30.23						
16	OVC	020			3.00	-RA BR	42	40	41	92	6	06	30.12	30.33	16	OVC	017			6.00	-RA BR	37	32	35	82	6	02	29.97	30.18						
19	OVC	010			2.00	-RA BR	42	41	42	96	3	34	30.09	30.30	19	OVC	020			1.50	-SN BR	33	32	33	96	6	03	29.98	30.19						
22	OVC	002			1.00	BR	41	41	41	100	3	36	30.02	30.23	22	OVC	038			4.00	BR	33	32	33	96	6	35	29.98	30.19						
SUNRISE: 0709						FEB 05						SUNSET: 1738						SUNRISE: 0703						FEB 11						SUNSET: 1745					
01	OVC	002			0.25	BR	41	41	41	100	6	25	29.92	30.13	01	OVC	048			4.00	BR	32	31	32	96	6	34	29.97	30.18						
04	VV	001			0.25	FG	40	40	40	100	6	26	29.86	30.07	04	OVC	044			10.00		31	22	28	69	13	36	29.98	30.19						
07	OVC	001			1.00	-RA BR	40	40	40	100	5	27	29.86	30.06	07	OVC	040			10.00		30	18	26	61	8	36	30.02	30.23						
10	OVC	003			1.75	-RA BR	43	42	43	97	9	23	29.83	30.04	10	CLR	NC			10.00		34	19	29	54	16	34	30.07	30.28						
13	SCT	NC			8.00		50	46	48	86	6	28	29.80	30.00	13	FEW	NC			10.00		38	18	31	44	12	29	30.01	30.22						
16	SCT	NC			10.00		57	42	50	58	7	28	29.78	29.99	16	CLR	NC			10.00		37	21	31	52	12	30	29.99	30.20						
19	OVC	031			10.00		47	37	42	69	8	01	29.88	30.09	19	CLR	NC			10.00		32	23	29	69	0	00	30.04	30.25						
22	BKN	042			10.00		41	32	37	70	3	01	29.93	30.14	22	CLR	NC			10.00		29	22	27	75	5	15	30.04	30.25						
SUNRISE: 0708						FEB 06						SUNSET: 1739						SUNRISE: 0702						FEB 12						SUNSET: 1746					
01	OVC	043			10.00		39	32	36	76	0	00	29.96	30.16	01	FEW	NC			7.00		28	24	27	85	3	19	30.03	30.24						
04	CLR	NC			10.00		36	29	33	76	3	29	29.97	30.17	04	OVC	050			7.00		30	25	28	82	3	18	30.04	30.24						
07	CLR	NC			10.00		34	28	32	79	3	31	30.03	30.23	07	OVC	050			9.00		31	25	29	79	3	15	30.03	30.24						
10	CLR	NC			10.00		42	29	37	60	8	35	30.09	30.29	10	OVC	048			9.00		36	24	32	62	5	24	30.01	30.22						
13	CLR	NC			10.00		48	28	40	46	8	32	30.04	30.25	13	FEW	NC			10.00		44	26	37	49	15	22	29.92	30.13						
16	CLR	NC			10.00		49	25	39	39	0	00	30.01	30.21	16	CLR	NC			10.00		46	28	39	50	12	27	29.91	30.12						
19	CLR	NC			10.00		41	28	36	60	0	00	30.01	30.22	19	CLR	NC			10.00		42	28	36	58	6	26	29.96	30.17						
22	CLR	NC			10.00		38	29	34	70	0	00	30.04	30.24	22	CLR	NC			10.00		39	25	34	57	8	27	30.05	30.25						

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

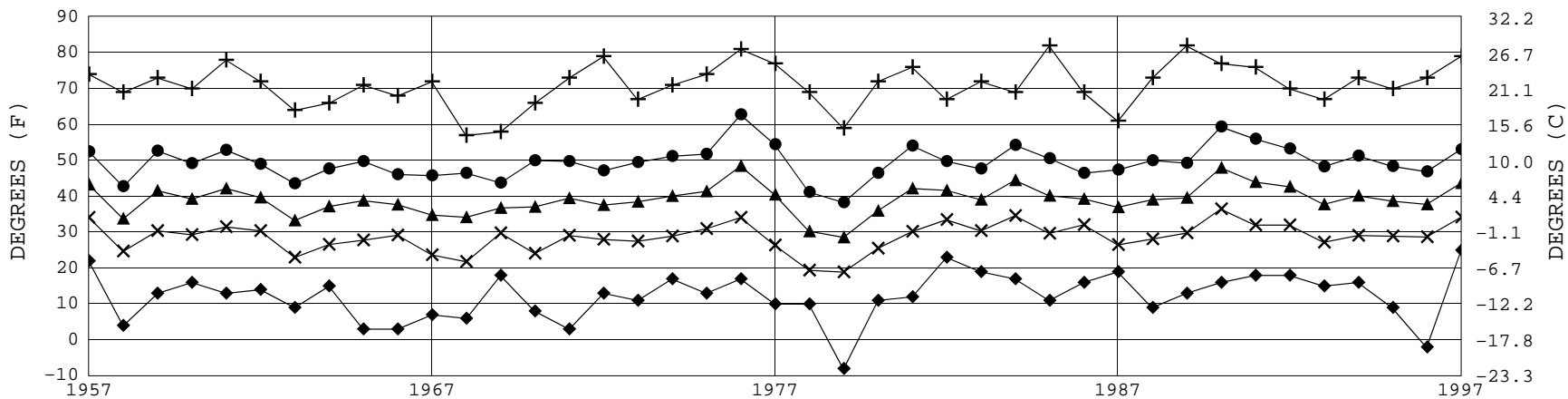
FEBRUARY 1997

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: 0701 FEB 13						SUNSET: 1747						SUNRISE: 0654 FEB 19						SUNSET: 1753											
01	CLR	NC			10.00	34	25	31	70	14	02	30.13	30.34	01	CLR	NC			10.00	51	31	42	46	12	21	30.08	30.28		
04	CLR	NC			10.00	31	18	27	59	13	02	30.22	30.42	04	CLR	NC			10.00	51	31	42	46	16	22	30.03	30.23		
07	CLR	NC			10.00	29	15	25	56	12	01	30.34	30.55	07	CLR	NC			10.00	49	30	41	48	9	21	30.04	30.24		
10	CLR	NC			10.00	32	13	26	45	12	02	30.41	30.62	10	CLR	NC			10.00	58	40	49	51	12	24	30.03	30.23		
13	CLR	NC			10.00	37	15	30	41	12	06	30.35	30.56	13	CLR	NC			10.00	68	38	53	33	14	26	29.96	30.16		
16	CLR	NC			10.00	36	15	29	42	14	07	30.30	30.50	16	CLR	NC			10.00	70	38	54	31	18	22	29.87	30.08		
19	OVC	060			10.00	33	19	28	56	7	11	30.31	30.52	19	CLR	NC			10.00	64	39	52	40	15	22	29.88	30.09		
22	OVC	039			3.00	30	26	29	85	8	03	30.25	30.46	22	CLR	NC			10.00	61	40	51	46	7	24	29.94	30.14		
SUNRISE: 0659 FEB 14						SUNSET: 1748						SUNRISE: 0652 FEB 20						SUNSET: 1754											
01	OVC	004			2.00	31	30	31	96	7	04	30.12	30.33	01	CLR	NC			10.00	57	41	49	55	5	26	29.97	30.18		
04	OVC	004			2.00	32	32	32	100	10	01	29.98	30.19	04	CLR	NC			10.00	46	41	44	83	5	02	30.04	30.25		
07	OVC	004			3.00	33	32	33	96	13	34	29.91	30.11	07	CLR	NC			10.00	41	37	39	86	0	00	30.15	30.35		
10	OVC	002			2.00	33	32	33	96	7	29	29.91	30.11	10	CLR	NC			10.00	57	30	45	36	7	02	30.21	30.41		
13	OVC	002			2.00	36	34	35	93	8	25	29.90	30.11	13	CLR	NC			10.00	64	28	48	26	5	14	30.17	30.37		
16	OVC	006			2.00	38	36	37	93	6	21	29.83	30.04	16	CLR	NC			10.00	62	29	47	29	13	14	30.13	30.33		
19	BKN	110			3.00	38	36	37	93	8	29	29.84	30.05	19	CLR	NC			10.00	50	31	42	48	12	13	30.16	30.37		
22	OVC	004			3.00	37	36	37	96	6	18	29.84	30.05	22	CLR	NC			10.00	45	30	39	56	8	14	30.16	30.36		
SUNRISE: 0658 FEB 15						SUNSET: 1749						SUNRISE: 0651 FEB 21						SUNSET: 1755											
01	OVC	022			2.00	37	36	37	96	5	24	29.77	29.97	01	CLR	NC			10.00	43	36	40	76	7	16	30.08	30.28		
04	OVC	002			2.00	38	37	38	97	3	30	29.75	29.96	04	CLR	NC			9.00	40	37	39	89	3	15	30.02	30.22		
07	OVC	004			2.00	38	37	38	97	3	33	29.78	29.99	07	OVC	005			7.00	42	39	41	89	3	VR	29.98	30.19		
10	OVC	004			3.00	40	38	39	93	7	36	29.86	30.06	10	CLR	NC			7.00	53	48	50	83	9	20	29.94	30.14		
13	OVC	027			3.00	43	38	41	82	6	33	29.88	30.09	13	CLR	NC			10.00	72	56	62	57	20	19	29.80	30.00		
16	SCT	NC			10.00	48	39	44	71	0	00	29.89	30.10	16	BKN	075			10.00	70	57	62	64	20	19	29.69	29.89		
19	FEW	NC			10.00	46	31	40	56	5	30	30.00	30.21	19	SCT	NC			10.00	65	60	62	84	15	18	29.65	29.86		
22	CLR	NC			10.00	40	24	34	53	7	30	30.10	30.31	22	OVC	095			10.00	61	58	59	90	15	21	29.63	29.84		
SUNRISE: 0657 FEB 16						SUNSET: 1750						SUNRISE: 0650 FEB 22						SUNSET: 1756											
01	CLR	NC			10.00	32	25	29	75	0	00	30.14	30.35	01	OVC	120			10.00	61	58	59	90	15	20	29.57	29.77		
04	CLR	NC			10.00	29	22	27	75	6	03	30.17	30.38	04	CLR	NC			10.00	60	54	57	80	13	21	29.56	29.76		
07	CLR	NC			10.00	26	22	25	84	0	00	30.24	30.45	07	CLR	NC			10.00	60	53	56	78	15	21	29.57	29.77		
10	CLR	NC			10.00	36	21	31	55	3	11	30.27	30.47	10	FEW	NC			10.00	64	53	58	68	25	24	29.61	29.81		
13	CLR	NC			10.00	43	26	36	51	8	18	30.17	30.37	13	OVC	039			10.00	67	54	59	63	17	25	29.58	29.79		
16	CLR	NC			10.00	48	27	39	44	15	19	30.07	30.27	16	OVC	065			10.00	58	38	48	48	14	29	29.68	29.88		
19	CLR	NC			10.00	40	28	35	63	8	18	30.05	30.26	19	SCT	NC			10.00	51	30	42	45	9	32	29.82	30.02		
22	CLR	NC			10.00	40	28	35	63	9	20	30.04	30.25	22	CLR	NC			10.00	45	28	38	52	10	33	29.96	30.16		
SUNRISE: 0656 FEB 17						SUNSET: 1751						SUNRISE: 0648 FEB 23						SUNSET: 1757											
01	CLR	NC			10.00	40	24	34	53	8	27	30.06	30.27	01	CLR	NC			10.00	40	26	35	58	0	00	30.03	30.23		
04	CLR	NC			10.00	38	21	32	51	14	34	30.15	30.36	04	CLR	NC			10.00	38	24	33	57	7	31	30.10	30.30		
07	CLR	NC			10.00	30	17	26	59	9	01	30.32	30.53	07	CLR	NC			10.00	31	25	29	79	0	00	30.19	30.39		
10	CLR	NC			10.00	36	17	30	46	13	03	30.42	30.62	10	CLR	NC			10.00	43	22	35	43	3	VR	30.26	30.46		
13	CLR	NC			10.00	40	13	31	33	8	30	30.41	30.62	13	CLR	NC			10.00	50	19	38	29	5	VR	30.23	30.43		
16	CLR	NC			10.00	45	15	35	30	5	VR	30.39	30.60	16	CLR	NC			10.00	53	18	40	25	8	28	30.20	30.41		
19	CLR	NC			10.00	36	21	31	55	3	13	30.40	30.61	19	CLR	NC			10.00	42	26	36	53	7	19	30.22	30.43		
22	CLR	NC			10.00	33	19	28	56	7	15	30.41	30.62	22	CLR	NC			10.00	37	26	33	65	7	22	30.25	30.46		
SUNRISE: 0655 FEB 18						SUNSET: 1752						SUNRISE: 0647 FEB 24						SUNSET: 1758											
01	CLR	NC			10.00	30	23	28	75	5	18	30.40	30.61	01	CLR	NC			10.00	36	24	32	62	3	VR	30.25	30.46		
04	CLR	NC			10.00	30	23	28	75	8	19	30.37	30.58	04	CLR	NC			10.00	34	25	31	70	5	20	30.25	30.45		
07	CLR	NC			10.00	30	22	27	72	10	20	30.38	30.59	07	CLR	NC			10.00	32	25	29	75	0	00	30.26	30.46		
10	CLR	NC			10.00	44	26	37	49	14	22	30.36	30.56	10	CLR	NC			10.00	50	26	40	39	6	25	30.28	30.49		
13	CLR	NC			10.00	58	28	45	32	17	19	30.25	30.45	13	CLR	NC			10.00	54	25	42	33	13	27	30.21	30.42		
16	CLR	NC			10.00	60	26	45	27	18	20	30.15	30.36	16	CLR	NC			10.00	56	24	43	29	7	25	30.14	30.34		
19	CLR	NC			10.00	49	28	40	45	8	19	30.15	30.35	19	CLR	NC			10.00	46	24	37	42	8	21	30.12	30.32		
22	CLR	NC			10.00	50	28	41	43	12	20	30.13	30.34	22	CLR	NC			10.00	46	18	36	33	3	36	30.15	30.36		

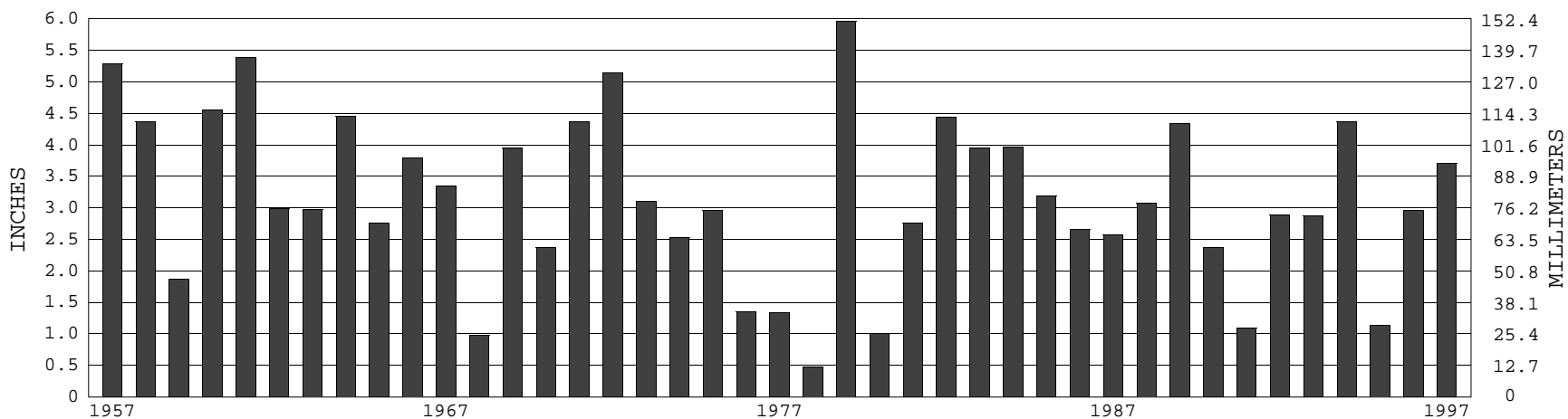
RICHMOND, VA FEBRUARY TEMPERATURES



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

Long-Term (1957-1997) Mean: 39.2 1961-1990 Normal: 38.7

RICHMOND, VA FEBRUARY PRECIPITATION



Long-Term (1957-1997) Mean Monthly Total: 3.17

1961-1990 Normal: 3.16



**FEBRUARY 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.

Kenneth D Hadean

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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