



RICHMOND, VA
RICHMOND INTERNATIONAL AIRPORT (KRIC)
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 ON GND(IN)		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					
																			3-SEC		2-MIN			
																			SPEED	DIR	SPEED	DIR		
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	60	44	52	-1	47	50	13	0	RA	0		0.0	T	30.13	30.33	2.5	17	2.7	13	17	10	19	01	
02	76	52	64	11	57	59	1	0	BR	0		0.0	0.00	30.08	30.26	3.4	19	3.8	13	22	9	21	02	
03	83*	55	69*	17	58	62	0	4	RA BR	0		0.0	0.20	29.87	30.05	5.1	26	7.4	21	01	16	36	03	
04	65	44	55	3	45	51	10	0	RA BR	0		0.0	0.21	29.96	30.19	9.7	35	9.9	29	01	23	36	04	
05	64	39	52	0	38	44	13	0		0		0.0	0.00	30.12	30.32	2.4	35	4.0	22	35	17	03	05	
06	71	38	55	3	38	46	10	0		0		0.0	0.00	30.11	30.31	5.7	34	6.1	25	35	20	35	06	
07	58	37	48	-3	35	41	17	0		0		0.0	0.00	30.23	30.43	4.7	01	5.3	19	05	14	03	07	
08	68	35	52	1	37	44	13	0		0		0.0	0.00	30.04	30.20	2.3	24	3.2	13	27	12	27	08	
09	59	48	54	3	47	50	11	0	RA BR	0		0.0	0.05	29.75	29.95	5.3	31	8.0	29	33	23	33	09	
10	61	40	51	0	34	43	14	0		0		0.0	0.00	29.88	30.06	5.5	32	8.9	24	33	18	36	10	
11	67	41	54	4	34	45	11	0		0		0.0	0.00	29.74	29.96	7.5	32	10.5	33	35	23	36	11	
12	52	29	41	-9	26	35	24	0		0		0.0	0.00	30.13	30.35	5.1	36	5.4	22	01	17	36	12	
13	63	26	45	-5	28	36	20	0		0		0.0	0.00	30.06	30.25	0.9	17	1.6	10	22	9	22	13	
14	47	29	38	-11	37	39	27	0	RA BR	0		0.0	0.34	29.88	30.07	3.8	34	4.6	17	33	12	32	14	
15	59	37	48	-1	43	46	17	0	RA FG BR	0		0.0	0.02	29.73	29.92	4.1	29	4.9	16	29	12	29	15	
16	65	33	49	0	39	44	16	0	MIFG	0		0.0	0.00	29.71	29.92	2.2	24	3.2	18	15	14	24	16	
17	64	39	52	3	39	44	13	0	MIFG	0		0.0	0.00	29.88	30.10	4.1	34	4.3	20	31	16	32	17	
18	71	37	54	5	41	46	11	0	MIFG	0		0.0	0.00	29.96	30.15	0.3	29	0.8	10	20	8	22	18	
19	75	39	57	8	37	46	8	0	MIFG BR	0		0.0	0.00	29.73	29.91	8.0	26	11.5	40*	29	31*	30	19	
20	50	34	42	-6	19	34	23	0		0		0.0	0.00	29.75	29.95	13.7	29	14.6	36	31	28	31	20	
21	50	25	38	-9	17	30	27	0		0		0.0	0.00	29.81	30.02	7.0	26	8.0	24	27	18	26	21	
22	53	21*	37*	-10	16	30	28	0	HZ	0		0.0	0.00	30.03	30.25	4.9	28	5.1	22	31	17	31	22	
23	54	26	40	-7	25	35	25	0		0		0.0	0.00	30.13	30.33	2.1	14	2.4	11	22	9	20	23	
24	63	37	50	3	42	46	15	0	RA FG+ FG MIFG	0		0.0	T	30.03	30.21	3.7	18	4.9	14	20	12	20	24	
25	65	44	55	9	50	52	10	0	FG+ FG BR	0		0.0	0.00	30.00	30.19	1.4	10	3.5	15	19	12	18	25	
26	53	29	41	-5	34	41	24	0	RA BR	0		0.0	T	29.99	30.20	9.8	35	10.5	30	33	23	33	26	
27	53	29	41	-5	27	35	24	0		0		0.0	0.00	30.04	30.24	2.0	30	2.7	18	29	13	29	27	
28	52	31	42	-3	33	38	23	0		0		0.0	0.00	29.98	30.17	6.2	16	6.7	19	20	16	20	28	
29	69	48	59	14	56	58	6	0	RA MIFG BR	0		0.0	0.11	29.74	29.93	12.5	17	13.3	36	19	29	19	29	
30	72	58	65	20	62	64	0	0	RA BR	0		0.0	0.15	29.64	29.79	11.1	19	11.4	28	20	23	20	30	
62.1			37.5	49.8	☼	38.0	44.5	15.1	0.1	< MONTHLY AVERAGES TOTALS >				0.0	1.08	29.94	30.13	2.2	29	6.3	< MONTHLY AVERAGES			
0.7			-1.9	-0.6		<-----DEPARTURE FROM NORMAL ----->										-2.16	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 0.41 DATE : 03-04					SEA LEVEL PRESSURE					DATE		TIME			
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :					MAXIMUM :					30.50		07 1058			
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 0 DATE :					MINIMUM :					29.61		30 2354			
HEATING : 454 11 590 -86									NUMBER OF ->		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 9		PRECIPITATION >= 0.01 INCH: 7									
COOLING : 4 -1 1699 151									DAYS WITH		THUNDERSTORMS : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 5									
													HEAVY FOG : 2		SNOWFALL >= 1.0 INCH : 0									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
NOVEMBER 2016

WBAN # 13740

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	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			01												01	T	T	
02													02												02	0.00	0.00	
03													03						T	T	T	0.03	0.11	0.06	03	0.20	0.20	
04	0.20	0.01	T	T									04												04	0.21	0.21	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09						T	0.01	T	0.02	0.02	T		09			T	T								09	0.05	0.05	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14										T	T	0.02	14	T	0.01	0.03	0.04	0.09	0.05	0.08			0.01	0.01	T	14	0.34	0.34
15	T	0.02											15												15	0.02	0.02	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24					T	T	T		T	T	T	T	24												24	T	T	
25													25												25	0.00	0.00	
26	T	T	T	T									26												26	T	T	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29					0.04	0.02	T						29	T	T	0.04	0.01							T	29	0.11	0.11	
30				0.01	0.09	0.01	0.02						30												30	0.15	0.15	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.04	0.06	0.07	0.08	0.12	0.16	0.20	0.24	0.24	0.26	0.30	0.37
Ending Date	04	04	04	04	04	04	04	04	04	04	04	04
Ending Time (Hr/Min)	0056	0059	0059	0107	0032	0032	0059	0107	0107	0059	0059	0059

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

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.

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).

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		
Intensity (as indicated on pages 4 to 6): '+' = Heavy '' = Moderate '-' = Light			

RICHMOND, VA NOVEMBER 2016

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

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.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	10.00	10.00
02	6.00	10.00
03	3.00	10.00
04	2.50	10.00
05	10.00	10.00
06	10.00	10.00
07	10.00	10.00
08	8.00	10.00
09	5.00	10.00
10	10.00	10.00
11	10.00	10.00
12	8.00	10.00
13	10.00	10.00
14	2.00	10.00
15	0.50	10.00
16	8.00	10.00
17	8.00	10.00
18	8.00	10.00
19	3.00	10.00
20	10.00	10.00
21	10.00	10.00
22	6.00	10.00
23	9.00	10.00
24	0.12	10.00
25	0.12	10.00
26	5.00	10.00
27	10.00	10.00
28	10.00	10.00
29	4.00	10.00
30	2.00	10.00
AVGS	6.61	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	8	17

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

NOVEMBER 2016

KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0634 NOV 01 SUNSET: 1712																									
01	CLR	NC	10.00	-RA	45	42	44	90	0	00	30.10	30.29	01	CLR	NC	10.00		43	37	40	80	5	36	30.20	30.39
04	OVC	036	10.00		48	45	47	89	0	00	30.13	30.32	04	CLR	NC	10.00		41	34	38	76	8	35	30.22	30.42
07	OVC	050	10.00		50	46	48	86	0	00	30.15	30.34	07	CLR	NC	10.00		39	34	37	82	7	36	30.27	30.46
10	OVC	050	10.00		54	46	50	75	5	19	30.17	30.37	10	CLR	NC	10.00		51	37	45	59	10	02	30.30	30.50
13	OVC	045	10.00		59	47	53	64	8	19	30.14	30.33	13	CLR	NC	10.00		57	32	46	39	7	VR	30.26	30.45
16	OVC	250	10.00		59	48	53	67	6	15	30.11	30.30	16	CLR	NC	10.00		57	31	45	37	8	35	30.23	30.42
19	OVC	250	10.00		52	48	50	86	0	00	30.14	30.33	19	CLR	NC	10.00		45	36	41	71	0	00	30.21	30.41
22	OVC	023	10.00		54	50	52	87	0	00	30.13	30.32	22	CLR	NC	10.00		39	35	37	86	0	00	30.19	30.39
SUNRISE: 0635 NOV 02 SUNSET: 1710																									
01	OVC	250	10.00		53	50	51	89	5	19	30.13	30.33	01	CLR	NC	10.00		38	34	36	86	0	00	30.17	30.36
04	OVC	018	10.00		55	52	53	90	3	18	30.11	30.31	04	CLR	NC	10.00		38	35	37	89	0	00	30.13	30.32
07	SCT	250	10.00		53	51	52	93	5	19	30.12	30.32	07	FEW	300	10.00		37	34	36	89	0	00	30.10	30.30
10	BKN	250	10.00		64	56	59	75	7	22	30.12	30.31	10	SCT	250	10.00		56	36	47	47	9	30	30.08	30.28
13	SCT	250	10.00		73	59	65	62	0	00	30.05	30.24	13	BKN	250	10.00		65	31	49	28	5	28	30.00	30.19
16	FEW	250	10.00		75	61	66	62	6	17	30.02	30.22	16	BKN	250	10.00		65	39	52	39	3	20	29.92	30.11
19	FEW	300	9.00		64	60	62	87	0	00	30.02	30.21	19	OVC	250	10.00		56	44	50	65	3	19	29.90	30.10
22	CLR	NC	7.00		62	60	61	93	0	00	30.01	30.20	22	OVC	250	10.00		50	43	47	77	5	17	29.87	30.06
SUNRISE: 0636 NOV 03 SUNSET: 1709																									
01	CLR	NC	7.00	BR BR	60	59	59	96	5	19	29.98	30.17	01	OVC	210	10.00	-RA	49	44	47	83	6	19	29.80	29.99
04	CLR	NC	6.00		58	57	57	97	3	18	29.94	30.13	04	OVC	170	10.00		48	45	47	89	5	18	29.74	29.93
07	BKN	300	5.00		58	57	57	97	6	19	29.91	30.10	07	OVC	080	10.00		53	47	50	80	8	30	29.74	29.93
10	BKN	300	9.00		74	58	64	57	8	26	29.89	30.08	10	OVC	038	7.00		53	51	52	93	0	00	29.75	29.94
13	OVC	300	10.00		83	54	65	37	10	26	29.82	30.01	13	BKN	070	7.00		57	52	54	83	7	26	29.70	29.89
16	BKN	120	10.00		79	55	65	44	7	24	29.79	29.98	16	OVC	075	7.00		54	48	51	80	11	33	29.71	29.91
19	OVC	100	7.00		72	59	64	64	11	26	29.79	29.98	19	BKN	080	10.00		53	46	49	77	13	33	29.77	29.97
22	OVC	100	6.00		66	60	62	81	7	31	29.82	30.01	22	BKN	075	10.00		54	40	47	59	22	33	29.84	30.03
SUNRISE: 0637 NOV 04 SUNSET: 1708																									
01	BKN	041	2.50	+RA BR -RA	60	59	59	96	10	36	29.83	30.01	01	FEW	050	10.00		49	38	44	66	15	34	29.85	30.05
04	OVC	110	10.00		58	57	57	97	8	34	29.89	30.08	04	FEW	045	10.00		44	35	40	71	10	34	29.89	30.08
07	BKN	220	10.00		54	48	51	80	13	36	29.96	30.15	07	FEW	200	10.00		40	33	37	77	5	32	29.93	30.13
10	FEW	250	10.00		60	46	53	60	17	35	30.02	30.22	10	FEW	300	10.00		52	35	44	53	10	36	29.97	30.16
13	SCT	047	10.00		64	41	52	43	15	01	30.00	30.19	13	FEW	300	10.00		59	31	46	35	9	34	29.90	30.10
16	FEW	060	10.00		62	38	50	41	11	33	30.03	30.22	16	SCT	300	10.00		61	30	47	31	7	30	29.86	30.06
19	CLR	NC	10.00		53	40	47	61	3	03	30.07	30.26	19	CLR	NC	10.00		46	37	42	71	7	20	29.83	30.02
22	CLR	NC	10.00		47	38	43	71	8	01	30.10	30.29	22	CLR	NC	10.00		49	36	43	61	10	22	29.76	29.96
SUNRISE: 0638 NOV 05 SUNSET: 1707																									
01	CLR	NC	10.00		43	38	41	82	6	34	30.11	30.30	01	CLR	NC	10.00		44	35	40	71	7	22	29.71	29.90
04	CLR	NC	10.00		43	37	40	80	0	00	30.12	30.32	04	CLR	NC	10.00		46	32	40	58	11	25	29.67	29.87
07	CLR	NC	10.00		43	36	40	76	3	01	30.16	30.35	07	CLR	NC	10.00		44	32	39	63	8	27	29.69	29.88
10	CLR	NC	10.00		56	38	47	51	13	36	30.19	30.38	10	FEW	250	10.00		60	32	47	35	9	33	29.74	29.93
13	CLR	NC	10.00		62	36	50	38	6	33	30.13	30.32	13	FEW	250	10.00		67	37	52	33	13	35	29.71	29.91
16	CLR	NC	10.00		63	36	50	37	5	VR	30.10	30.29	16	BKN	250	10.00		64	36	50	35	11	33	29.75	29.94
19	CLR	NC	10.00		48	40	44	74	0	00	30.10	30.29	19	FEW	300	10.00		56	36	47	47	5	35	29.86	30.05
22	CLR	NC	10.00		42	38	40	85	3	20	30.10	30.29	22	CLR	NC	10.00		54	34	45	47	24	36	29.93	30.12
SUNRISE: 0639 NOV 06 SUNSET: 1706																									
01	CLR	NC	10.00		43	39	41	86	0	00	30.10	30.29	01	FEW	300	10.00		47	25	38	42	13	36	30.01	30.21
04	CLR	NC	10.00		41	37	39	86	0	00	30.09	30.28	04	CLR	NC	10.00		39	27	34	62	8	35	30.11	30.30
07	FEW	300	10.00		40	38	39	93	0	00	30.12	30.31	07	FEW	300	10.00		34	27	31	76	7	35	30.18	30.37
10	CLR	NC	10.00		61	43	52	52	8	32	30.15	30.34	10	FEW	300	10.00		45	25	37	46	14	36	30.24	30.44
13	FEW	250	10.00		70	41	55	35	17	33	30.09	30.28	13	CLR	NC	10.00		51	25	40	36	7	02	30.19	30.38
16	FEW	250	10.00		68	33	51	27	13	36	30.08	30.27	16	CLR	NC	10.00		51	24	40	35	0	00	30.14	30.34
19	CLR	NC	10.00		55	35	46	47	9	35	30.13	30.32	19	CLR	NC	10.00		38	30	35	73	0	00	30.15	30.35
22	CLR	NC	10.00		52	36	45	55	3	03	30.16	30.35	22	CLR	NC	10.00		32	27	30	82	0	00	30.15	30.35

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

NOVEMBER 2016

KRIC

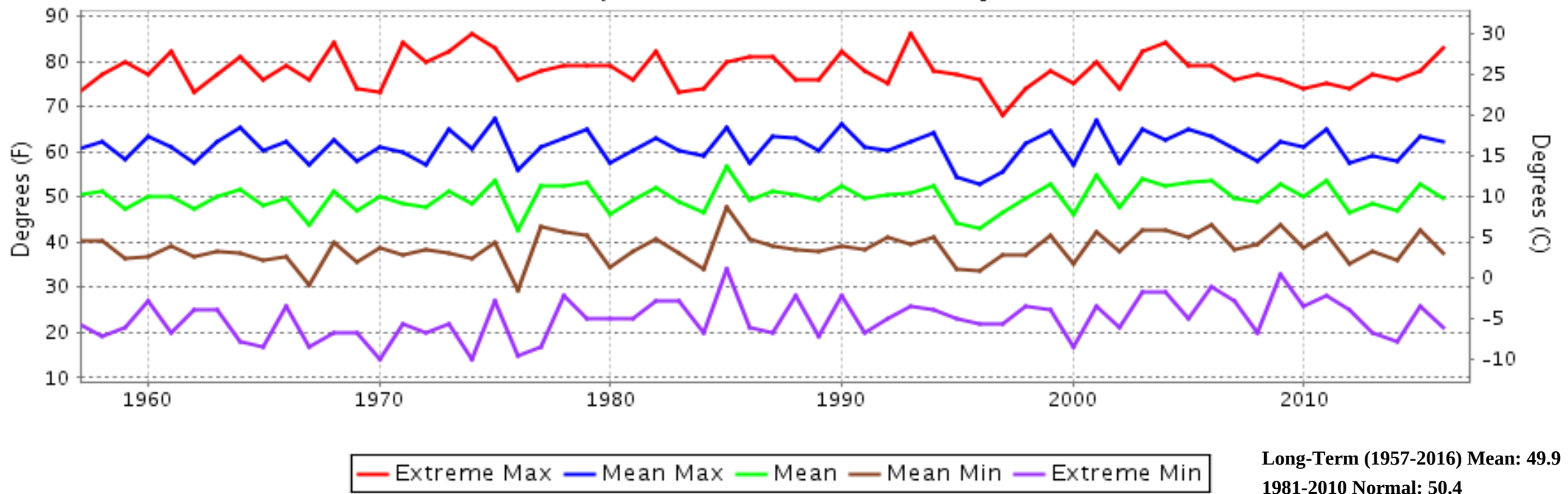
WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0647				NOV 13	SUNSET: 1700				SUNRISE: 0653				NOV 19	SUNSET: 1656											
01	CLR	NC	10.00		29	25	28	85	0	00	30.13	30.32	01	CLR	NC	9.00	BR BR	44	41	43	89	0	00	29.88	30.07
04	CLR	NC	10.00		27	24	26	89	0	00	30.11	30.31	04	CLR	NC	10.00		42	39	41	89	0	00	29.85	30.04
07	CLR	NC	10.00		28	24	27	85	0	00	30.11	30.31	07	FEW	300	3.00		43	41	42	93	3	17	29.79	29.99
10	CLR	NC	10.00		46	31	40	56	0	00	30.12	30.31	10	FEW	300	6.00		58	49	53	72	10	20	29.72	29.91
13	CLR	NC	10.00		61	26	46	26	0	00	30.04	30.24	13	FEW	300	10.00		73	47	59	40	11	19	29.56	29.75
16	CLR	NC	10.00		60	26	45	27	5	12	29.99	30.19	16	BKN	300	10.00		65	45	54	49	25	27	29.57	29.76
19	CLR	NC	10.00		44	32	39	63	0	00	29.99	30.19	19	BKN	090	10.00		52	25	41	35	21	30	29.68	29.88
22	CLR	NC	10.00	41	30	37	65	3	20	30.00	30.19	22	CLR	NC	10.00	44	21	35	40	17	30	29.75	29.94		
SUNRISE: 0648				NOV 14	SUNSET: 1660				SUNRISE: 0654				NOV 20	SUNSET: 1656											
01	FEW	250	10.00	-RA -RA -RA BR -RA BR	33	29	31	85	0	00	29.96	30.15	01	FEW	070	10.00		40	20	33	45	11	28	29.75	29.94
04	FEW	250	10.00		30	26	29	85	0	00	29.93	30.12	04	OVC	075	10.00		39	21	32	48	13	27	29.76	29.95
07	BKN	300	10.00		32	28	31	85	0	00	29.91	30.11	07	BKN	080	10.00		40	20	33	45	14	27	29.76	29.96
10	OVC	080	10.00		44	39	42	83	0	00	29.93	30.12	10	BKN	070	10.00		45	20	36	37	16	29	29.77	29.96
13	OVC	028	9.00		47	42	45	83	6	34	29.86	30.06	13	SCT	070	10.00		49	19	38	31	15	30	29.71	29.91
16	OVC	004	3.00		45	44	45	97	8	35	29.83	30.03	16	FEW	250	10.00		47	18	36	31	22	31	29.72	29.91
19	OVC	041	10.00		43	42	43	97	6	36	29.82	30.01	19	CLR	NC	10.00		40	18	32	41	13	31	29.77	29.97
22	OVC	023	6.00	44	42	43	93	7	35	29.80	29.99	22	CLR	NC	10.00	36	20	30	52	8	24	29.80	29.99		
SUNRISE: 0649				NOV 15	SUNSET: 1659				SUNRISE: 0655				NOV 21	SUNSET: 1655											
01	OVC	036	6.00	-RA BR	45	43	44	93	8	34	29.77	29.96	01	CLR	NC	10.00		32	20	28	61	9	22	29.76	29.96
04	OVC	055	10.00	45	43	44	93	5	30	29.76	29.96	04	CLR	NC	10.00	26		19	24	75	6	21	29.77	29.97	
07	BKN	040	4.00	44	43	44	96	5	29	29.76	29.96	07	CLR	NC	10.00	30		19	26	64	8	25	29.81	30.01	
10	OVC	005	2.00	47	45	46	93	8	31	29.77	29.97	10	CLR	NC	10.00	42		19	34	40	10	26	29.85	30.04	
13	SCT	250	10.00	57	45	51	64	10	31	29.70	29.89	13	CLR	NC	10.00	47		13	35	25	13	28	29.81	30.01	
16	SCT	250	10.00	58	42	50	56	7	29	29.68	29.87	16	CLR	NC	10.00	49		11	36	21	11	28	29.80	29.99	
19	SCT	250	10.00	46	44	45	93	0	00	29.70	29.89	19	CLR	NC	10.00	44		11	33	26	9	30	29.85	30.04	
22	FEW	250	10.00	42	41	42	96	3	17	29.70	29.89	22	CLR	NC	10.00	30	17	26	58	0	00	29.91	30.11		
SUNRISE: 0650				NOV 16	SUNSET: 1658				SUNRISE: 0656				NOV 22	SUNSET: 1655											
01	CLR	NC	10.00	MIFG MIFG	42	40	41	92	0	00	29.70	29.89	01	CLR	NC	10.00		27	18	24	69	0	00	29.95	30.14
04	CLR	NC	10.00		37	36	37	96	0	00	29.69	29.89	04	CLR	NC	10.00		24	16	22	71	0	00	29.99	30.19
07	FEW	300	8.00		34	32	33	92	0	00	29.72	29.92	07	BKN	250	10.00		30	15	25	54	6	27	30.03	30.23
10	FEW	050	10.00		53	41	47	64	3	24	29.76	29.96	10	BKN	250	10.00		44	18	35	35	13	30	30.07	30.27
13	CLR	NC	10.00		63	38	51	40	9	22	29.69	29.89	13	SCT	250	10.00		51	11	37	20	9	30	30.04	30.23
16	FEW	250	10.00		63	38	51	40	6	25	29.70	29.89	16	FEW	250	10.00		52	11	38	19	8	28	30.06	30.26
19	FEW	060	10.00		53	42	48	66	3	20	29.73	29.93	19	FEW	250	10.00		37	21	31	52	0	00	30.10	30.30
22	FEW	065	9.00	45	41	43	86	11	36	29.79	29.98	22	FEW	250	10.00	33	19	28	56	0	00	30.14	30.34		
SUNRISE: 0651				NOV 17	SUNSET: 1658				SUNRISE: 0657				NOV 23	SUNSET: 1654											
01	CLR	NC	10.00	MIFG	43	40	42	89	0	00	29.81	30.00	01	FEW	250	10.00		31	22	28	69	0	00	30.14	30.34
04	CLR	NC	10.00		41	39	40	93	5	34	29.85	30.05	04	CLR	NC	10.00		28	21	26	75	0	00	30.14	30.34
07	CLR	NC	8.00		39	37	38	93	5	33	29.91	30.10	07	FEW	250	10.00		28	23	26	81	0	00	30.18	30.38
10	CLR	NC	10.00		56	42	49	60	10	35	29.95	30.14	10	FEW	250	10.00		44	24	36	45	5	09	30.20	30.40
13	CLR	NC	10.00		63	38	51	40	10	34	29.90	30.09	13	FEW	250	10.00		52	22	40	31	5	VR	30.13	30.33
16	CLR	NC	10.00		62	38	50	41	8	35	29.89	30.08	16	BKN	250	10.00		51	25	40	36	6	16	30.09	30.28
19	CLR	NC	10.00		48	41	45	77	0	00	29.92	30.11	19	OVC	230	10.00		47	27	39	46	5	15	30.08	30.28
22	CLR	NC	10.00	43	39	41	86	0	00	29.96	30.15	22	OVC	230	10.00	43	31	38	63	3	11	30.08	30.28		
SUNRISE: 0652				NOV 18	SUNSET: 1657				SUNRISE: 0658				NOV 24	SUNSET: 1654											
01	CLR	NC	10.00	MIFG	39	38	39	96	0	00	29.97	30.16	01	OVC	200	10.00	FG	40	31	36	70	0	00	30.08	30.27
04	CLR	NC	10.00		39	36	38	89	0	00	29.98	30.17	04	OVC	048	10.00		45	31	39	58	3	17	30.05	30.24
07	CLR	NC	8.00		37	36	37	96	0	00	30.00	30.19	07	OVC	070	10.00		45	36	41	71	6	17	30.05	30.24
10	CLR	NC	10.00		57	40	49	53	5	33	30.05	30.24	10	OVC	110	10.00		50	42	46	74	8	18	30.05	30.24
13	CLR	NC	10.00		67	42	54	41	0	00	29.96	30.15	13	BKN	110	10.00		59	49	54	69	7	18	29.97	30.16
16	CLR	NC	10.00		70	41	55	35	3	22	29.92	30.11	16	FEW	300	10.00		62	51	56	67	5	19	29.97	30.16
19	CLR	NC	10.00		54	46	50	75	0	00	29.93	30.12	19	FEW	090	10.00		51	49	50	92	3	13	30.00	30.20
22	CLR	NC	10.00	48	43	46	83	0	00	29.91	30.10	22	VV	002	0.12	46	45	46	96	0	00	30.02	30.22		

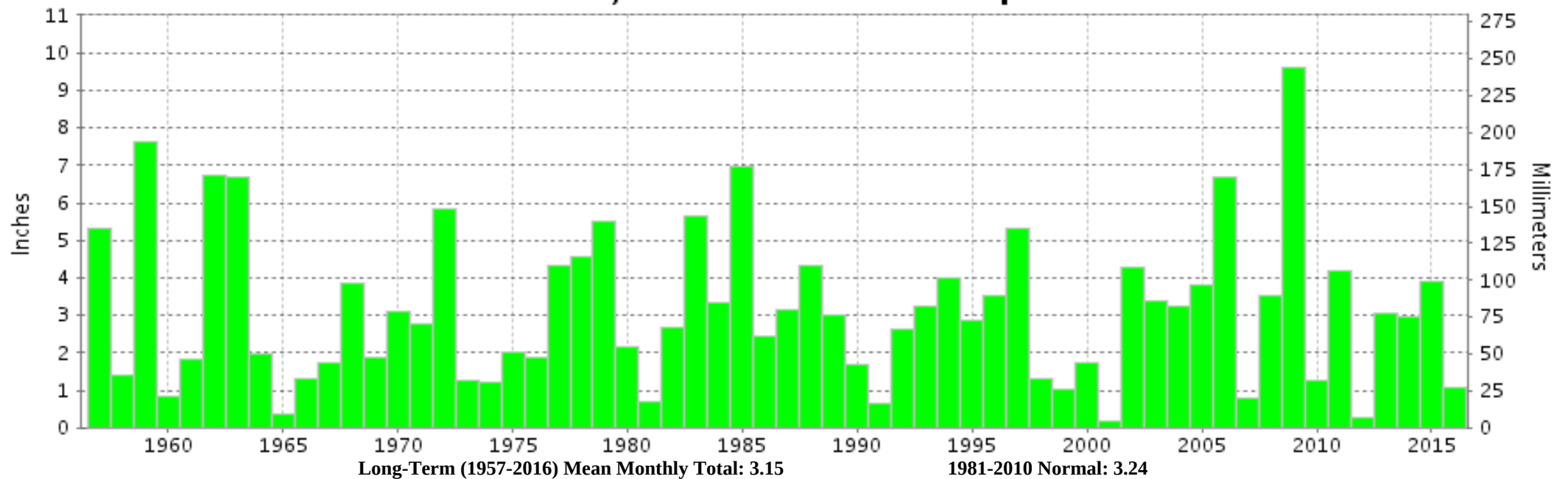
WBAN # 13740

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RICHMOND, VA NOVEMBER Temperatures



RICHMOND, VA NOVEMBER Precipitation





NOVEMBER 2016

RICHMOND, VA

LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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 Centers for Environmental Information (NCEI), Asheville, North Carolina 28801.

A handwritten signature in black ink, which appears to read "Margaret FieSS", is centered below the certification text.

DIRECTOR (ACTING)

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