



SEPTEMBER 2017 LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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			
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	76	53	65	-9	58	60	0	0	RA BR	0		0.0	0.83	29.92	30.11	9.1	04	9.4	24	05	20	05	01	
02	67	57	62	-12	63	63	3	0	RA DZ BR	0		0.0	0.41	29.87	30.06	4.9	36	5.9	14	30	13	30	02	
03	80	62	71	-2	61	64	0	6	RA	0		0.0	0.06	29.82	30.01	6.2	26	7.1	20	25	15	26	03	
04	83	56	70	-3	62	65	0	5		0		0.0	0.00	29.84	30.02	6.0	20	6.4	23	21	17	22	04	
05	86	64	75	2	65	69	0	10		0		0.0	0.00	29.69	29.87	7.7	20	8.8	27	21	22	23	05	
06	74	61	68	-4	64	65	0	3	RA BR	0		0.0	0.07	29.69	29.88	2.8	30	7.7	29	34	22	35	06	
07	76	54	65	-7	53	58	0	0		0		0.0	0.00	29.82	30.03	6.7	28	7.4	21	28	16	27	07	
08	78	51	65	-7	52	57	0	0		0		0.0	0.00	29.98	30.19	1.2	32	2.8	16	30	12	34	08	
09	74	55	65	-7	52	57	0	0		0		0.0	0.00	30.08	30.28	8.3	02	8.5	25	01	17	02	09	
10	71	51	61*	-10	52	56	4	0		0		0.0	0.00	30.16	30.36	8.1	02	8.5	23	01	17	06	10	
11	72	53	63	-8	56	59	2	0	RA	0		0.0	0.02	30.06	30.23	7.6	05	8.1	23	05	18	06	11	
12	79	60	70	-1	62	65	0	5	RA DZ BR	0		0.0	0.03	29.82	29.99	7.2	08	8.2	22	12	17	12	12	
13	84	65	75	4	67	69	0	10	RA FG BR	0		0.0	0.06	29.71	29.90	5.4	19	6.4	21	24	16	24	13	
14	83	65	74	3	66	69	0	9	RA	0		0.0	T	29.73	29.94	6.1	21	6.6	20	23	15	25	14	
15	85	67	76	6	65	68	0	11	RA	0		0.0	T	29.86	30.07	2.5	36	3.3	15	02	10	35	15	
16	86	65	76	6	67	69	0	11		0		0.0	0.00	29.93	30.13	2.5	03	2.9	14	06	9	05	16	
17	85	64	75	5	67	69	0	10	FG+ FG BR	0		0.0	0.00	29.91	30.10	3.3	05	4.4	18	02	13	08	17	
18	81	66	74	4	68	69	0	9	RA BR	0		0.0	T	29.86	30.03	9.2	01	9.4	22	01	18	01	18	
19	84	67	76	6	66	68	0	11		0		0.0	0.00	29.75	29.94	11.0	35	11.4	26	02	18	33	19	
20	89	66	78	9	63	68	0	13		0		0.0	0.00	29.77	29.96	5.4	33	5.8	18	35	14	35	20	
21	90	65	78	10	64	68	0	13		0		0.0	0.00	29.84	30.03	4.2	01	5.0	20	35	15	05	21	
22	84	62	73	5	65	68	0	8		0		0.0	0.00	29.85	30.04	3.2	35	4.2	17	02	13	01	22	
23	87	61	74	6	64	67	0	9	BR	0		0.0	0.00	29.87	30.07	4.5	01	4.7	20	04	14	03	23	
24	90	62	76	9	62	67	0	11		0		0.0	0.00	29.88	30.06	4.2	04	5.4	19	05	14	05	24	
25	88	64	76	9	65	69	0	11		0		0.0	0.00	29.82	30.00	7.0	05	8.1	23	04	17	06	25	
26	78	69	74	8	69	70	0	9		0		0.0	0.00	29.76	29.94	11.2	01	11.5	23	01	18	01	26	
27	90*	72	81*	15	70	73	0	16		0		0.0	0.00	29.64	29.81	12.3	36	12.9	29	36	22	36	27	
28	88	62	75	9	59	66	0	10		0		0.0	0.00	29.66	29.87	9.8	35	10.4	25	33	18	01	28	
29	78	55	67	2	50	57	0	2		0		0.0	0.00	29.88	30.09	3.8	36	5.7	17	28	13	30	29	
30	72	51*	62	-3	47	54	3	0		0		0.0	0.00	30.01	30.23	10.4	35	11.1	29*	36	22*	34	30	

81.3	60.8	71.1	☼	61.5	64.9	0.4	6.7	< MONTHLY AVERAGES TOTALS >				0.0	1.48	29.85	30.04	3.7	36	7.3	< MONTHLY AVERAGES			
0.1	0.7	0.5		<-----DEPARTURE FROM NORMAL----->								-2.65	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 1.01 DATE : 01-02				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.41 10 1001										
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.77 28 0312										
HEATING :		12 -16		12		-17		NUMBER OF ->		MAXIMUM TEMP >= 90 : 3		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 7								
COOLING :		202 5		1615		111		THUNDERSTORMS : 0		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 2								
										: 0		HEAVY FOG : 1		SNOWFALL >= 1.0 INCH : 0								

**SEPTEMBER 2017
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
SEPTEMBER 2017

WBAN # 13740

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	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													01	T	0.01	0.01	0.01	0.18	0.24	0.27	0.09	0.01	T	T	01	0.83	0.83	
02				T	T	0.01	0.03	0.01	0.03	0.04	0.01	0.05	02	0.01	T	T						0.02	0.19	0.01	T	02	0.41	0.41
03	T	0.06											03													03	0.06	0.06
04													04													04	0.00	0.00
05													05													05	0.00	0.00
06				T	T								06			0.02	0.02	T	T	0.01	0.01	T	0.01	T	06	0.07	0.07	
07													07													07	0.00	0.00
08													08													08	0.00	0.00
09													09													09	0.00	0.00
10													10													10	0.00	0.00
11													11													11	0.02	0.02
12													12									T	T	0.02	T	12	0.03	0.03
13	0.06	T											13											T	0.03	13	0.06	0.06
14					T	T	T						14													14	T	T
15		T	T										15													15	T	T
16													16													16	0.00	0.00
17													17													17	0.00	0.00
18													18	T	T											18	T	T
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													24													24	0.00	0.00
25													25													25	0.00	0.00
26													26													26	0.00	0.00
27													27													27	0.00	0.00
28													28													28	0.00	0.00
29													29													29	0.00	0.00
30													30													30	0.00	0.00

* 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)	0.10	0.13	0.15	0.17	0.23	0.33	0.40	0.47	0.52	0.57	0.63	0.72
Ending Date	02	02	02	02	01	01	01	01	01	01	01	01
Ending Time (Hr/Min)	2119	2119	2123	2123	1807	1821	1836	1853	1914	1928	1845	1914

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	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

RICHMOND, VA SEPTEMBER 2017

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	1.50	10.00
02	1.00	10.00
03	7.00	10.00
04	10.00	10.00
05	10.00	10.00
06	4.00	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	10.00	10.00
12	2.50	10.00
13	0.50	10.00
14	10.00	10.00
15	10.00	10.00
16	8.00	10.00
17	0.25	10.00
18	7.00	10.00
19	9.00	10.00
20	10.00	10.00
21	9.00	10.00
22	8.00	10.00
23	6.00	10.00
24	10.00	10.00
25	10.00	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
AVGS	7.79	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
1	5	23

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA SEPTEMBER 2017 KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	DRY BULB						DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL		
SUNRISE: 0539 SEP 01					SUNSET: 1839					SUNRISE: 0544 SEP 07					SUNSET: 1830												
01	BKN	110	10.00		73	69	70	87	0	00	29.79	29.98	01	OVC	030	10.00		61	60	60	97	5	23	29.77	29.96		
04	SCT	300	10.00		69	65	66	87	10	04	29.84	30.02	04	OVC	008	10.00		60	58	59	93	7	27	29.77	29.96		
07	OVC	300	10.00		67	54	60	63	13	05	29.92	30.11	07	BKN	007	10.00		59	56	57	90	6	26	29.81	30.00		
10	OVC	042	10.00		66	53	59	63	10	04	29.96	30.15	10	FEW	250	10.00		69	54	60	59	9	26	29.86	30.04		
13	OVC	041	10.00	-RA	62	58	60	86	8	02	29.98	30.17	13	SCT	250	10.00		73	49	60	43	9	30	29.84	30.03		
16	OVC	039	10.00	-RA	57	53	55	87	10	03	29.95	30.14	16	SCT	065	10.00		74	49	60	41	13	29	29.83	30.02		
19	OVC	045	3.00	-RA BR	54	53	53	97	7	05	29.98	30.18	19	FEW	300	10.00		69	49	58	49	7	26	29.86	30.05		
22	OVC	004	10.00		57	56	56	96	8	02	29.97	30.16	22	CLR	NC	10.00		59	53	56	81	0	00	29.92	30.11		
SUNRISE: 0540 SEP 02					SUNSET: 1837					SUNRISE: 0545 SEP 08					SUNSET: 1828												
01	OVC	012	10.00		57	56	56	96	5	04	29.92	30.11	01	CLR	NC	10.00		56	52	54	87	0	00	29.95	30.14		
04	OVC	004	1.75	-DZ BR	58	58	58	100	6	04	29.89	30.08	04	CLR	NC	10.00		55	52	53	90	0	00	29.96	30.15		
07	OVC	003	1.25	-RA BR	61	61	61	100	7	06	29.89	30.09	07	FEW	300	10.00		59	53	56	81	0	00	30.00	30.20		
10	OVC	011	1.25	-RA BR	63	63	63	100	8	36	29.89	30.09	10	FEW	300	10.00		71	51	60	49	5	VR	30.02	30.21		
13	OVC	004	2.50	-RA BR	66	66	66	100	8	36	29.85	30.04	13	SCT	060	10.00		76	49	61	39	5	VR	30.00	30.19		
16	OVC	005	8.00		66	65	65	96	6	36	29.81	30.00	16	SCT	065	10.00		73	48	59	41	7	34	29.99	30.18		
19	OVC	004	5.00	BR	65	64	64	97	5	34	29.83	30.02	19	FEW	300	10.00		67	54	60	63	5	15	29.99	30.18		
22	OVC	003	6.00	BR	64	63	63	96	5	01	29.83	30.02	22	FEW	090	10.00		61	55	58	81	0	00	30.03	30.22		
SUNRISE: 0541 SEP 03					SUNSET: 1836					SUNRISE: 0546 SEP 09					SUNSET: 1827												
01	OVC	003	7.00	-RA	64	64	64	100	5	29	29.81	30.00	01	BKN	080	10.00		61	55	58	81	0	00	30.02	30.21		
04	OVC	003	10.00		63	63	63	100	7	28	29.79	29.98	04	FEW	070	10.00		58	54	56	87	8	01	30.04	30.22		
07	BKN	012	10.00		63	61	62	93	11	27	29.82	30.01	07	FEW	080	10.00		60	54	57	80	8	36	30.10	30.29		
10	FEW	300	10.00		70	61	65	73	8	27	29.83	30.02	10	FEW	090	10.00		70	52	60	53	10	01	30.13	30.32		
13	BKN	040	10.00		75	59	65	58	9	29	29.82	30.01	13	SCT	050	10.00		71	49	59	46	9	01	30.11	30.30		
16	SCT	046	10.00		79	60	67	52	11	25	29.79	29.98	16	SCT	080	10.00		72	50	60	46	9	02	30.08	30.27		
19	FEW	070	10.00		69	62	65	78	6	21	29.81	30.01	19	FEW	050	10.00		63	50	56	63	6	02	30.11	30.30		
22	CLR	NC	10.00		67	62	64	84	7	24	29.85	30.04	22	CLR	NC	10.00		58	52	55	81	7	02	30.14	30.33		
SUNRISE: 0542 SEP 04					SUNSET: 1834					SUNRISE: 0547 SEP 10					SUNSET: 1825												
01	CLR	NC	10.00		62	60	61	93	0	00	29.87	30.06	01	CLR	NC	10.00		54	50	52	87	7	01	30.13	30.32		
04	CLR	NC	10.00		58	57	57	97	0	00	29.87	30.06	04	CLR	NC	10.00		51	48	49	89	7	36	30.15	30.34		
07	FEW	250	10.00		61	60	60	97	0	00	29.90	30.09	07	FEW	250	10.00		54	50	52	87	8	36	30.19	30.38		
10	FEW	250	10.00		77	59	66	54	6	VR	29.90	30.09	10	FEW	250	10.00		66	54	59	65	10	02	30.21	30.41		
13	SCT	250	10.00		82	62	69	51	11	19	29.84	30.03	13	BKN	250	10.00		69	52	59	55	11	04	30.19	30.38		
16	FEW	048	10.00		82	63	70	53	11	21	29.77	29.96	16	OVC	300	10.00		70	52	60	53	15	03	30.17	30.36		
19	CLR	NC	10.00		73	66	69	79	7	19	29.76	29.95	19	OVC	300	10.00		61	54	57	78	8	03	30.16	30.35		
22	CLR	NC	10.00		73	65	68	76	10	20	29.73	29.92	22	OVC	300	10.00		59	53	56	81	7	02	30.15	30.34		
SUNRISE: 0543 SEP 05					SUNSET: 1833					SUNRISE: 0548 SEP 11					SUNSET: 1824												
01	CLR	NC	10.00		68	64	66	87	7	19	29.74	29.93	01	OVC	300	10.00		55	52	53	90	6	03	30.14	30.33		
04	SCT	085	10.00		66	64	65	93	8	19	29.72	29.91	04	BKN	300	10.00		53	52	52	96	5	01	30.13	30.32		
07	FEW	300	10.00		68	64	66	87	8	20	29.73	29.92	07	OVC	300	10.00		56	54	55	93	8	02	30.12	30.32		
10	FEW	250	10.00		79	64	69	60	11	21	29.71	29.90	10	OVC	300	10.00		68	59	63	73	13	06	30.08	30.27		
13	FEW	250	10.00		85	67	73	55	14	19	29.65	29.84	13	OVC	300	10.00		71	56	62	59	14	07	30.06	30.25		
16	FEW	250	10.00		86	65	72	49	16	21	29.61	29.80	16	OVC	200	10.00		69	57	62	66	8	07	29.97	30.16		
19	BKN	250	10.00		81	63	69	54	6	27	29.64	29.83	19	OVC	250	10.00		65	59	61	81	7	04	29.96	30.15		
22	SCT	250	10.00		72	63	66	73	3	11	29.66	29.85	22	OVC	250	10.00	-RA	64	58	61	81	7	05	29.95	30.14		
SUNRISE: 0543 SEP 06					SUNSET: 1831					SUNRISE: 0548 SEP 12					SUNSET: 1822												
01	OVC	050	8.00		71	71	71	100	6	21	29.65	29.84	01	OVC	180	10.00		61	60	60	97	7	03	29.89	30.08		
04	OVC	090	10.00		70	65	67	84	9	20	29.64	29.83	04	OVC	180	10.00		61	59	60	93	5	04	29.88	30.06		
07	OVC	150	10.00		69	66	67	90	7	21	29.68	29.87	07	BKN	300	10.00		62	59	60	90	8	04	29.85	30.04		
10	OVC	250	10.00		74	66	69	76	7	24	29.70	29.89	10	BKN	300	10.00		72	60	65	66	9	08	29.84	30.03		
13	BKN	090	10.00		71	64	67	79	13	36	29.70	29.89	13	BKN	120	10.00		76	63	68	64	9	10	29.79	29.98		
16	OVC	040	4.00	-RA BR	62	59	60	90	11	35	29.70	29.89	16	BKN	300	10.00		76	64	68	67	9	11	29.75	29.94		
19	OVC	070	10.00	-RA	61	60	60	97	5	03	29.73	29.91	19	OVC	042	10.00		72	64	67	76	10	10	29.74	29.93		
22	OVC	006	5.00	-RA BR	62	61	61	96	10	27	29.76	29.95	22	OVC	095	10.00		69	65	66	87	6	09	29.74	29.93		

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

SEPTEMBER 2017 KRIC

WBAN # 13740

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)																																																																																																																																																																																							
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL																																																																																																																																																																																						
SUNRISE: 0549					SEP 13				SUNSET: 1821				SUNRISE: 0554					SEP 19				SUNSET: 1811																																																																																																																																																																																									
01	OVC	008	2.50	-RA BR	67	67	67	100	6	10	29.71	29.90	01	SCT	009	9.00		67	66	66	97	9	35	29.79	29.98	04	CLR	NC	10.00		67	66	66	97	14	35	29.77	29.96	07	BKN	027	1.00	BR	70	70	70	100	5	15	29.73	29.92	10	BKN	014	10.00		74	71	72	91	6	20	29.75	29.94	10	SCT	021	10.00		74	65	68	74	18	34	29.80	29.99	13	SCT	039	10.00		83	67	72	59	10	20	29.71	29.90	13	BKN	250	10.00		81	67	72	62	11	34	29.75	29.94	16	FEW	045	10.00		84	64	71	51	9	22	29.68	29.86	16	SCT	250	10.00		81	65	71	58	11	36	29.72	29.91	19	FEW	150	10.00		73	65	68	76	3	19	29.69	29.88	19	FEW	250	10.00		74	65	68	74	6	34	29.71	29.90	22	CLR	NC	10.00		68	65	66	90	6	18	29.72	29.91	22	FEW	250	10.00		72	64	67	76	9	34	29.74	29.92																										
SUNRISE: 0550					SEP 14				SUNSET: 1819				SUNRISE: 0555					SEP 20				SUNSET: 1810																																																																																																																																																																																									
01	SCT	220	10.00		67	65	66	93	8	17	29.71	29.89	01	FEW	100	10.00		70	64	66	82	8	33	29.74	29.93	04	CLR	NC	10.00		69	67	68	93	6	20	29.71	29.90	04	CLR	NC	10.00		68	63	65	84	6	33	29.74	29.93	07	BKN	180	10.00		69	68	68	96	7	19	29.75	29.94	07	FEW	300	10.00		69	64	66	84	6	30	29.79	29.98	10	OVC	250	10.00		73	67	69	81	9	22	29.77	29.96	10	FEW	300	10.00		82	64	70	55	8	32	29.81	30.00	13	BKN	250	10.00		78	64	69	62	10	24	29.73	29.92	13	SCT	300	10.00		88	62	71	42	8	33	29.77	29.96	16	BKN	140	10.00		80	62	69	54	10	22	29.73	29.91	16	BKN	300	10.00		87	61	70	42	8	33	29.74	29.93	19	OVC	150	10.00		73	67	69	81	3	21	29.76	29.95	19	FEW	300	10.00		78	64	69	62	3	03	29.77	29.96	22	OVC	140	10.00		72	68	69	87	0	00	29.80	29.98	22	CLR	NC	10.00		71	66	68	84	0	00	29.81	30.00
SUNRISE: 0551					SEP 15				SUNSET: 1817				SUNRISE: 0556					SEP 21				SUNSET: 1808																																																																																																																																																																																									
01	BKN	075	10.00		72	68	69	87	0	00	29.81	30.00	01	FEW	120	10.00		67	65	66	93	0	00	29.82	30.01	04	OVC	080	10.00		69	66	67	90	7	34	29.81	30.00	04	SCT	250	10.00		67	65	66	93	0	00	29.81	30.00	07	BKN	120	10.00		69	65	66	87	6	36	29.87	30.06	07	BKN	250	10.00		76	66	70	72	3	33	29.91	30.10	10	BKN	120	10.00		76	66	70	72	3	33	29.91	30.10	10	SCT	250	10.00		82	65	71	56	7	03	29.87	30.06	13	BKN	110	10.00		82	64	70	55	6	VR	29.88	30.07	13	SCT	250	10.00		87	64	72	46	10	35	29.84	30.03	16	BKN	085	10.00		82	64	70	55	6	02	29.86	30.05	16	SCT	250	10.00		88	62	71	42	10	36	29.82	30.01	19	BKN	300	10.00		74	65	68	74	3	05	29.89	30.08	19	BKN	300	10.00		77	65	69	66	0	00	29.84	30.03	22	FEW	095	10.00		70	66	67	87	0	00	29.93	30.12	22	SCT	250	10.00		72	65	68	79	0	00	29.87	30.06
SUNRISE: 0552					SEP 16				SUNSET: 1816				SUNRISE: 0557					SEP 22				SUNSET: 1807																																																																																																																																																																																									
01	FEW	095	10.00		67	66	66	97	0	00	29.93	30.12	01	FEW	250	10.00		65	64	64	97	0	00	29.87	30.06	04	BKN	100	10.00		66	64	65	93	0	00	29.92	30.11	04	BKN	250	10.00		68	65	66	90	5	32	29.85	30.04	07	BKN	095	8.00		70	68	69	93	0	00	29.96	30.15	07	BKN	240	10.00		70	65	67	84	6	30	29.88	30.06	10	FEW	100	10.00		81	68	72	65	5	VR	29.97	30.16	10	BKN	220	10.00		81	66	71	61	10	01	29.89	30.08	13	BKN	090	10.00		82	65	71	56	8	01	29.94	30.13	13	BKN	200	10.00		82	66	71	58	10	04	29.85	30.04	16	BKN	100	10.00		82	66	71	58	8	01	29.92	30.11	16	OVC	300	10.00		81	65	71	58	8	01	29.82	30.01	19	BKN	100	10.00		76	69	71	79	3	08	29.92	30.11	19	BKN	300	10.00		74	66	69	76	0	00	29.81	30.00	22	SCT	100	10.00		70	67	68	90	0	00	29.94	30.13	22	FEW	230	10.00		65	64	64	97	0	00	29.84	30.03
SUNRISE: 0553					SEP 17				SUNSET: 1814				SUNRISE: 0558					SEP 23				SUNSET: 1805																																																																																																																																																																																									
01	CLR	NC	7.00		67	67	67	100	0	00	29.91	30.10	01	CLR	NC	7.00		63	62	62	97	0	00	29.85	30.03	04	VV	002	0.50	FG	64	64	64	100	5	11	29.92	30.11	04	CLR	NC	7.00		63	62	62	97	0	00	29.83	30.02	07	VV	002	0.25	FG	67	67	67	100	3	04	29.96	30.15	07	FEW	250	10.00		65	63	64	93	5	36	29.87	30.06	10	SCT	095	10.00		77	67	70	71	6	VR	29.95	30.14	10	FEW	250	10.00		78	62	68	58	7	01	29.90	30.09	13	SCT	100	10.00		81	66	71	61	8	36	29.91	30.09	13	FEW	250	10.00		85	61	70	45	9	36	29.88	30.07	16	BKN	100	10.00		81	65	71	58	10	06	29.87	30.06	16	SCT	300	10.00		84	64	71	51	6	36	29.86	30.05	19	SCT	100	10.00		73	67	69	81	5	09	29.88	30.07	19	FEW	300	10.00		76	66	70	72	5	02	29.88	30.07	22	FEW	100	10.00		68	67	67	96	0	00	29.90	30.09	22	CLR	NC	10.00		69	66	67	90	0	00	29.90	30.09
SUNRISE: 0553					SEP 18				SUNSET: 1813				SUNRISE: 0558					SEP 24				SUNSET: 1804																																																																																																																																																																																									
01	FEW	110	10.00		68	67	67	96	3	01	29.88	30.07	01	CLR	NC	10.00		68	65	66	90	0	00	29.88	30.07	04	CLR	NC	8.00		66	66	66	100	6	35	29.85	30.04	04	CLR	NC	10.00		66	63	64	90	3	34	29.88	30.07	07	BKN	100	7.00		68	67	67	96	7	02	29.88	30.07	07	SCT	300	10.00		66	61	63	84	5	33	29.91	30.10	10	SCT	026	10.00		76	67	70	74	11	04	29.87	30.06	10	SCT	300	10.00		82	62	69	51	7	01	29.90	30.09	13	OVC	026	8.00	-RA	74	70	71	88	9	02	29.86	30.05	13	BKN	300	10.00		89	61	71	39	10	05	29.87	30.06	16	SCT	250	10.00		80	68	72	67	13	36	29.81	30.00	16	BKN	300	10.00		87	60	70	40	11	08	29.83	30.01	19	SCT	250	10.00		73	68	70	84	10	36	29.82	30.01	19	SCT	300	10.00		77	61	67	58	5	07	29.85	30.04	22	FEW	250	10.00		69	67	68	93	8	36	29.82	30.01	22	SCT	300	10.00		71	63	66	76	3	33	29.85	30.04

OBSERVATIONS AT 3-HOURLY INTERVALS

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					
SUNRISE: 0559 SEP 25 SUNSET: 1802					01	FEW	300	10.00		67	62	64	84	5	36	29.83	30.02
04	CLR	NC	10.00		66	63	64	90	5	34	29.83	30.02					
07	BKN	300	10.00		68	65	66	90	5	03	29.85	30.04					
10	BKN	300	10.00		81	64	70	57	8	02	29.86	30.04					
13	BKN	300	10.00		86	65	72	49	15	08	29.81	30.00					
16	BKN	300	10.00		84	65	71	53	11	10	29.78	29.97					
19	BKN	300	10.00		76	68	71	77	5	08	29.78	29.97					
22	SCT	300	10.00		71	68	69	90	6	05	29.80	29.99					
SUNRISE: 0600 SEP 26 SUNSET: 1801					01	OVC	007	10.00		70	68	69	93	6	05	29.78	29.97
04	OVC	013	10.00		69	68	68	96	10	02	29.77	29.96					
07	OVC	008	10.00		70	67	68	90	10	36	29.80	29.98					
10	OVC	010	10.00		73	68	70	84	11	01	29.80	29.99					
13	OVC	011	10.00		75	69	71	82	15	36	29.76	29.94					
16	OVC	023	10.00		77	70	72	79	11	01	29.73	29.91					
19	OVC	085	10.00		75	70	72	84	14	01	29.72	29.91					
22	BKN	090	10.00		73	70	71	90	11	36	29.71	29.90					
SUNRISE: 0601 SEP 27 SUNSET: 1759					01	FEW	025	10.00		73	70	71	90	14	36	29.68	29.87
04	FEW	008	10.00		72	70	71	94	13	36	29.65	29.84					
07	BKN	008	10.00		72	70	71	94	9	36	29.67	29.86					
10	SCT	022	10.00		83	72	75	70	16	01	29.66	29.85					
13	SCT	036	10.00		88	71	76	57	20	01	29.60	29.79					
16	SCT	040	10.00		87	69	75	55	16	01	29.58	29.77					
19	CLR	NC	10.00		81	69	73	67	7	32	29.60	29.78					
22	CLR	NC	10.00		77	68	71	74	9	33	29.59	29.78					
SUNRISE: 0602 SEP 28 SUNSET: 1757					01	CLR	NC	10.00		74	66	69	76	0	00	29.60	29.78
04	CLR	NC	10.00		73	64	67	74	10	31	29.59	29.78					
07	CLR	NC	10.00		75	65	69	71	10	34	29.66	29.85					
10	CLR	NC	10.00		83	62	69	49	15	35	29.68	29.87					
13	SCT	048	10.00		87	63	71	45	10	33	29.66	29.84					
16	FEW	048	10.00		84	59	68	43	16	36	29.67	29.86					
19	FEW	300	10.00		72	48	59	43	6	02	29.73	29.92					
22	CLR	NC	10.00		65	50	57	59	9	36	29.80	29.99					
SUNRISE: 0603 SEP 29 SUNSET: 1756					01	FEW	065	10.00		64	49	56	58	11	01	29.83	30.02
04	FEW	065	10.00		58	50	54	75	8	36	29.88	30.07					
07	CLR	NC	10.00		58	51	54	78	8	36	29.93	30.11					
10	FEW	300	10.00		68	49	58	51	5	VR	29.95	30.14					
13	FEW	300	10.00		75	49	60	40			29.89	30.09					
16	FEW	300	10.00		76	49	61	39	8	28	29.86	30.05					
19	FEW	250	10.00		65	52	58	63	3	14	29.89	30.08					
22	FEW	300	10.00		60	53	56	78	3	12	29.91	30.10					
SUNRISE: 0604 SEP 30 SUNSET: 1754					01	CLR	NC	10.00		57	54	55	90	3	21	29.92	30.11
04	FEW	060	10.00		58	52	55	81	13	35	29.94	30.13					
07	FEW	080	10.00		58	51	54	78	6	34	29.99	30.19					
10	FEW	250	10.00		69	46	57	44	18	34	30.04	30.22					
13	FEW	250	10.00		70	46	57	42	18	34	30.04	30.23					
16	FEW	250	10.00		69	44	56	41	16	01	30.05	30.24					
19	FEW	250	10.00		59	44	51	58	8	36	30.09	30.28					
22	CLR	NC	10.00		53	44	49	72	6	36	30.14	30.33					

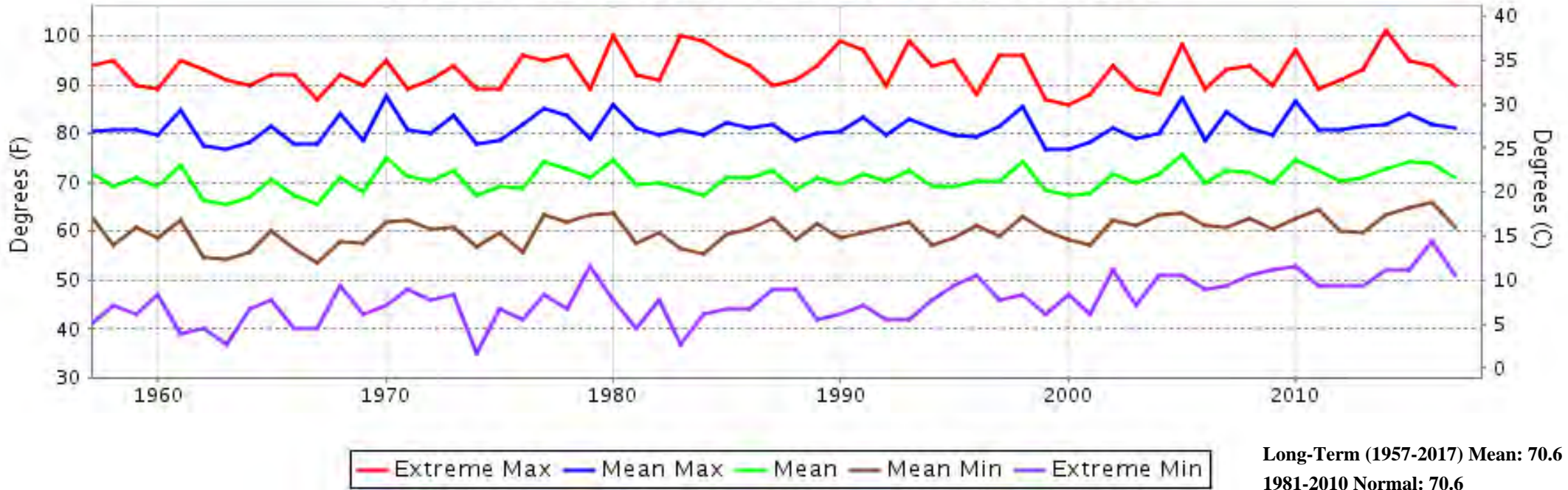
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

3-HOURLY OBSERVATION NOTES
 Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8
 Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.
 & = Original observation contained additional weather elements.
 See page 3 for additional notes.

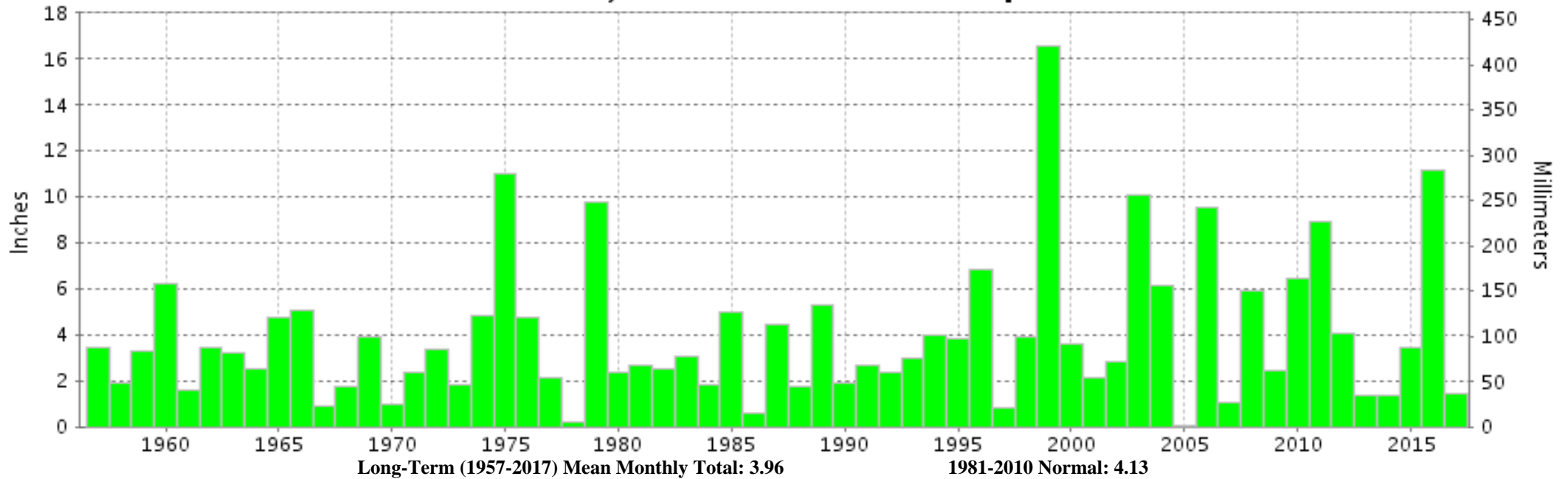
SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	65	62	63	91	29.84	30.03	9.35	4	3	36
02	65	62	63	92	29.84	30.03	9.43	5	3	35
03	64	62	63	92	29.84	30.02	9.25	6	3	34
04	64	61	62	92	29.84	30.03	9.01	6	3	34
05	64	61	62	91	29.85	30.04	8.99	6	2	35
06	63	61	62	93	29.86	30.05	8.97	7	2	34
07	65	62	63	88	29.87	30.06	8.92	7	2	35
08	68	62	65	81	29.88	30.07	9.40	8	2	01
09	72	62	66	72	29.89	30.07	9.61	9	2	36
10	75	62	67	65	29.88	30.07	9.71	9	2	36
11	77	61	67	60	29.88	30.07	9.75	10	2	03
12	78	61	68	58	29.87	30.05	9.62	11	2	01
13	78	61	68	57	29.85	30.04	9.68	11	2	02
14	79	61	68	56	29.84	30.03	9.57	11	2	01
15	79	61	68	55	29.83	30.02	9.75	11	2	01
16	78	60	67	56	29.83	30.01	9.73	10	2	01
17	77	60	67	59	29.83	30.02	9.57	10	2	02
18	74	61	66	65	29.83	30.02	9.38	7	2	02
19	71	61	65	73	29.84	30.03	9.60	6	2	03
20	69	61	64	78	29.85	30.04	9.73	5	3	01
21	68	62	64	82	29.85	30.04	9.68	5	3	01
22	67	62	64	84	29.86	30.05	9.70	5	3	36
23	66	62	63	87	29.86	30.05	9.47	4	3	01
24	65	62	63	90	29.86	30.04	9.65	4	3	02

RICHMOND, VA SEPTEMBER Temperatures



RICHMOND, VA SEPTEMBER Precipitation





SEPTEMBER 2017

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 that reads "Mary A. Wohlgemuth".

DIRECTOR

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