



SEPTEMBER 2015 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 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23				
01	92	71	82	8	69	73	0	17		0		0.0	0.00	29.88	30.06	0.7	11	2.7	14	06	9	08	01	
02	95*	71	83	9	69	72	0	18	TS TSRA RA BR	0		0.0	0.22	29.85	30.01	1.6	21	4.6	26	26	20	26	02	
03	94	67	81	8	68	72	0	16	BR	0		0.0	0.00	29.73	29.91	0.6	31	3.4	16	04	13	05	03	
04	94	73	84	11	69	73	0	19	TS	0		0.0	0.00	29.79	30.01	3.7	05	5.1	21	06	17	02	04	
05	88	69	79	6	68	71	0	14	BR	0		0.0	0.00	29.97	30.17	6.6	05	7.1	23	06	16	04	05	
06	85	66	76	4	67	69	0	11		0		0.0	0.00	29.99	30.18	4.6	05	5.7	22	07	13	09	06	
07	91	69	80	8	66	70	0	15		0		0.0	0.00	29.93	30.12	1.4	12	3.2	16	08	9	14	07	
08	92	68	80	8	69	72	0	15	FG+ FG BR HZ	0		0.0	0.00	29.87	30.05	4.1	16	4.6	24	14	20	14	08	
09	94	73	84*	12	71	75	0	19	RA BR	0		0.0	0.01	29.75	29.92	4.2	21	5.2	22	27	16	30	09	
10	89	71	80	9	72	73	0	15	TS TSRA RA BR	0		0.0	0.67	29.62	29.79	4.0	25	7.4	28	23	23	23	10	
11	86	66	76	5	61	66	0	11	RA	0		0.0	T	29.65	29.83	5.2	34	6.0	21	36	16	35	11	
12	81	67	74	3	68	69	0	9	TS TSRA RA BR	0		0.0	0.92	29.56	29.74	3.6	21	6.1	32	18	26	18	12	
13	79	59	69	-2	55	60	0	4	RA	0		0.0	0.16	29.65	29.88	6.4	32	7.3	41*	28	28*	28	13	
14	77	52*	65*	-6	48	56	0	0		0		0.0	0.00	29.99	30.21	2.6	25	4.1	18	24	15	20	14	
15	83	53	68	-2	53	60	0	3		0		0.0	0.00	30.15	30.35	0.8	09	1.8	12	02	8	11	15	
16	85	56	71	1	57	62	0	6		0		0.0	0.00	30.14	30.32	0.8	12	2.2	13	14	9	18	16	
17	84	59	72	2	59	64	0	7		0		0.0	0.00	29.99	30.16	1.3	13	1.7	12	14	8	15	17	
18	85	58	72	2	61	65	0	7	FG+ BR	0		0.0	0.00	29.85	30.03	2.5	12	2.9	15	12	10	13	18	
19	86	65	76	6	65	69	0	11	FG+ FG BR	0		0.0	0.00	29.76	29.94	1.5	16	2.2	14	20	10	19	19	
20	82	67	75	6	62	66	0	10		0		0.0	0.00	29.78	29.98	6.6	02	7.2	23	36	18	36	20	
21	72	65	69	1	61	64	0	4	RA DZ BR	0		0.0	0.03	29.90	30.10	8.3	03	8.6	20	04	16	03	21	
22	77	64	71	3	60	64	0	6		0		0.0	0.00	29.98	30.17	10.4	01	10.5	26	04	18	01	22	
23	79	60	70	2	58	62	0	5		0		0.0	0.00	30.01	30.20	7.9	02	8.2	22	03	17	02	23	
24	81	56	69	2	55	60	0	4		0		0.0	0.00	30.03	30.22	8.1	04	8.9	26	06	17	07	24	
25	75	64	70	3	62	65	0	5	RA BR	0		0.0	0.18	30.03	30.21	9.5	03	9.9	22	04	17	04	25	
26	71	63	67	1	62	64	0	2	RA BR	0		0.0	0.35	30.07	30.27	11.1	04	11.3	26	04	18	03	26	
27	78	63	71	5	64	66	0	6	RA	0		0.0	T	30.08	30.25	9.7	04	10.2	23	07	16	05	27	
28	83	70	77	11	70	71	0	12	RA DZ BR	0		0.0	0.04	29.95	30.12	6.7	06	6.9	20	11	15	11	28	
29	79	72	76	11	73	74	0	11	RA DZ BR	0		0.0	0.85	29.75	29.90	6.8	12	9.0	28	15	22	15	29	
30	85	64	75	10	68	70	0	10	BR	0		0.0	0.00	29.59	29.79	4.7	34	10.3	25	35	21	34	30	
84.1		64.7	74.4	☼	63.7	67.2	0.0	9.7	< MONTHLY AVERAGES TOTALS >		0.0	3.43	29.88	30.06	2.7	04	6.1	< MONTHLY AVERAGES						
2.9		4.6	3.8		<-----DEPARTURE FROM NORMAL----->							-0.70	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 0.92 DATE : 12				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY				SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.40 15 1103											
TOTAL DEPARTURE				TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.68 12 1654											
HEATING :		0 -28		0		-29		NUMBER OF ->		MAXIMUM TEMP >= 90 : 7		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 10										
COOLING :		292		95		1799		295		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 7										
										THUNDERSTORMS : 4		HEAVY FOG : 3		SNOWFALL >= 1.0 INCH : 0										

**SEPTEMBER 2015
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
SEPTEMBER 2015

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												01	0.00	0.00	
02													02	0.07	T				0.01	0.12	0.02				02	0.22	0.22	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
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													09	0.01	T						T				09	0.01	0.01	
10			T	T	T				T	T			10		T	0.37	0.03	0.02		0.07	0.16	0.01	0.01	T	10	0.67	0.67	
11		T											11												11	T	T	
12							0.01	0.15	0.03				12	0.38	0.34	0.01	T								12	0.92	0.92	
13									T	0.07			13		0.09	T									13	0.16	0.16	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
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	0.01	0.02	T									21	0.03	0.03	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25									T	T		T	25			T	T	T	T	0.01	0.01	0.02	0.07	0.07	25	0.18	0.18	
26	0.04	0.09	0.05	0.07	0.05	0.02	T	T		T		T	26	T	T	T		T	0.01	T	T	0.01	0.01	T	26	0.35	0.35	
27							T	T				T	27		T				T					T	27	T	T	
28												T	28	0.03	T	T	T	0.01							28	0.04	0.04	
29									T	0.05	0.01		29	0.06	T	0.01	0.09	0.06	0.25	0.09	0.22	0.01	T	T	29	0.85	0.85	
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)	0.27	0.38	0.38	0.39	0.58	0.68	0.70	0.73	0.73	0.73	0.73	0.73
Ending Date	12	12	12	12	12	12	12	12	12	12	12	12
Ending Time (Hr/Min)	1357	1359	1359	1408	1422	1434	1436	1500	1500	1500	1500	1500

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 2015

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:

Station Augmentation-SANDSTON COOP
Lat/Lon:37.54417/-77.27583 Elevation:165
Distance:4 MI Dir:E
Augmented Elements:Temp, Precip, Snow
Equipment:MMTS, SRG, Snowboard

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	9.00	10.00
02	5.00	10.00
03	5.00	10.00
04	7.00	10.00
05	4.00	10.00
06	10.00	10.00
07	10.00	10.00
08	0.50	10.00
09	2.50	10.00
10	3.00	10.00
11	10.00	10.00
12	0.50	10.00
13	9.00	10.00
14	10.00	10.00
15	10.00	10.00
16	10.00	10.00
17	9.00	10.00
18	0.25	10.00
19	0.25	10.00
20	10.00	10.00
21	2.50	10.00
22	10.00	10.00
23	10.00	10.00
24	10.00	10.00
25	6.00	10.00
26	5.00	10.00
27	8.00	10.00
28	5.00	10.00
29	2.00	10.00
30	6.00	10.00
AVGS	6.32	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	8	15

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
SEPTEMBER 2015 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: 0539 SEP 01					SUNSET: 1839					SUNRISE: 0544 SEP 07					SUNSET: 1830										
01	OVC	006	10.00		73	69	70	87	7	25	29.89	30.08	01	OVC	038	10.00		73	68	70	84	3	11	29.95	30.13
04	OVC	006	10.00		73	69	70	87	0	00	29.86	30.05	04	SCT	250	10.00		70	67	68	90	0	00	29.94	30.13
07	OVC	006	9.00		73	69	70	87	0	00	29.90	30.09	07	SCT	150	10.00		72	68	69	87	5	01	29.98	30.17
10	BKN	250	10.00		82	69	73	65	0	00	29.92	30.11	10	SCT	150	10.00		82	68	73	63	3	09	29.98	30.16
13	SCT	250	10.00		90	68	75	48	6	VR	29.88	30.06	13	BKN	250	10.00		85	66	72	53	0	00	29.94	30.12
16	SCT	250	10.00		92	68	76	46	5	08	29.84	30.03	16	SCT	250	10.00		89	65	73	45	7	VR	29.87	30.06
19	BKN	250	10.00		83	69	74	63	3	17	29.85	30.04	19	BKN	250	10.00		80	67	71	64	7	15	29.88	30.07
22	SCT	250	10.00		79	69	72	72	0	00	29.87	30.06	22	FEW	250	10.00		74	63	67	69	3	16	29.92	30.11
SUNRISE: 0540 SEP 02					SUNSET: 1837					SUNRISE: 0545 SEP 08					SUNSET: 1828										
01	BKN	300	10.00		76	69	71	79	0	00	29.87	30.06	01	FEW	250	10.00		72	65	68	79	0	00	29.91	30.09
04	OVC	300	10.00		75	69	71	82	0	00	29.86	30.04	04	FEW	004	10.00		68	64	66	87	0	00	29.89	30.08
07	OVC	300	10.00		77	70	72	79	0	00	29.88	30.07	07	VV	002	0.50	FG	72	71	71	97	0	00	29.92	30.11
10	OVC	300	10.00		90	68	75	48	0	00	29.86	30.05	10	FEW	010	10.00		82	70	74	67	5	18	29.91	30.10
13	OVC	300	10.00		83	68	73	61	14	13	29.81	30.00	13	SCT	039	10.00		89	68	75	50	5	VR	29.86	30.04
16	BKN	250	10.00		83	68	73	61	8	03	29.78	29.97	16	SCT	250	10.00		90	68	75	48	8	15	29.80	29.98
19	OVC	200	7.00	TSRA	78	71	73	79	16	26	29.82	30.01	19	SCT	250	10.00		79	72	74	79	7	14	29.80	29.99
22	SCT	250	7.00		71	69	70	94	7	20	29.79	29.98	22	FEW	250	10.00		75	72	73	90	3	15	29.83	30.02
SUNRISE: 0541 SEP 03					SUNSET: 1836					SUNRISE: 0546 SEP 09					SUNSET: 1827										
01	FEW	180	10.00		71	67	68	87	3	33	29.77	29.96	01	FEW	005	10.00		75	72	73	90	5	17	29.81	30.00
04	CLR	NC	6.00	BR	67	65	66	93	5	21	29.74	29.93	04	OVC	002	2.50	BR	75	73	74	94	6	21	29.79	29.97
07	FEW	300	8.00		72	67	69	84	0	00	29.76	29.95	07	SCT	100	10.00		75	73	74	94	0	00	29.81	30.00
10	FEW	300	10.00		86	69	74	57	6	02	29.76	29.94	10	SCT	300	10.00		87	72	77	61	8	21	29.80	29.98
13	SCT	050	10.00		92	68	75	46	3	VR	29.73	29.91	13	SCT	300	10.00		94	69	77	44	9	20	29.73	29.91
16	SCT	250	10.00		92	66	74	43	3	06	29.68	29.86	16	BKN	300	10.00		93	69	76	46	8	23	29.66	29.84
19	SCT	250	10.00		87	69	75	55	3	28	29.69	29.88	19	BKN	300	10.00		82	70	74	67	6	20	29.67	29.86
22	SCT	250	9.00		79	70	73	74	0	00	29.73	29.91	22	BKN	150	10.00		77	71	73	82	0	00	29.69	29.87
SUNRISE: 0542 SEP 04					SUNSET: 1834					SUNRISE: 0547 SEP 10					SUNSET: 1825										
01	FEW	300	9.00		77	70	72	79	3	36	29.72	29.90	01	OVC	060	10.00		79	74	76	85	8	28	29.68	29.86
04	CLR	NC	9.00		75	69	71	82	3	34	29.74	29.92	04	OVC	150	10.00		75	72	73	90	3	20	29.64	29.83
07	FEW	300	7.00		76	69	71	79	6	36	29.79	29.97	07	BKN	080	10.00		75	71	72	88	3	20	29.65	29.83
10	BKN	300	10.00		88	71	76	57	3	VR	29.82	30.01	10	OVC	014	10.00		79	72	74	79	9	20	29.64	29.83
13	BKN	300	10.00	TS	92	69	76	47	14	02	29.81	29.99	13	BKN	031	10.00		86	71	76	61	11	23	29.58	29.77
16	OVC	250	10.00		83	70	74	65	6	09	29.85	30.03	16	BKN	050	3.00		73	70	71	90	9	28	29.54	29.73
19	OVC	250	10.00		79	70	73	74	3	08	29.86	30.05	19	OVC	210	6.00	BR	76	73	74	91	0	00	29.57	29.75
22	BKN	250	9.00		75	70	72	84	5	04	29.93	30.11	22	SCT	080	9.00		73	71	72	94	7	32	29.60	29.78
SUNRISE: 0543 SEP 05					SUNSET: 1833					SUNRISE: 0548 SEP 11					SUNSET: 1824										
01	SCT	250	7.00		73	69	70	87	6	02	29.94	30.13	01	OVC	200	10.00		70	66	67	87	6	34	29.61	29.80
04	FEW	250	5.00	BR	73	70	71	90	8	03	29.94	30.13	04	OVC	150	10.00		67	64	65	91	6	32	29.58	29.77
07	BKN	250	5.00	BR	73	70	71	90	10	03	29.99	30.18	07	FEW	250	10.00		68	61	64	78	9	34	29.67	29.86
10	BKN	033	10.00		81	69	73	67	10	04	30.01	30.20	10	SCT	250	10.00		77	62	68	60	9	35	29.69	29.88
13	SCT	250	10.00		85	66	72	53	10	08	29.99	30.17	13	SCT	250	10.00		84	59	68	43	11	35	29.67	29.85
16	OVC	300	10.00		84	66	72	55	7	08	29.97	30.16	16	SCT	300	10.00		85	57	68	39	5	36	29.62	29.81
19	BKN	300	10.00		77	68	71	74	5	07	29.97	30.15	19	SCT	300	10.00		75	63	67	66	0	00	29.64	29.83
22	SCT	300	10.00		72	65	68	79	0	00	30.01	30.19	22	SCT	120	10.00		70	62	65	76	0	00	29.66	29.85
SUNRISE: 0543 SEP 06					SUNSET: 1831					SUNRISE: 0548 SEP 12					SUNSET: 1822										
01	CLR	NC	10.00		68	64	66	87	5	01	30.00	30.19	01	FEW	120	10.00		68	63	65	84	5	14	29.64	29.83
04	CLR	NC	10.00		66	63	64	90	8	36	29.99	30.18	04	SCT	110	10.00		69	66	67	90	0	00	29.59	29.78
07	SCT	300	10.00		68	65	66	90	9	01	30.01	30.20	07	OVC	065	7.00	-RA	72	69	70	91	10	14	29.57	29.75
10	BKN	300	10.00		79	67	71	67	8	06	30.02	30.21	10	OVC	015	10.00		76	68	71	77	3	15	29.57	29.75
13	BKN	300	10.00		85	68	74	57	8	06	29.99	30.18	13	OVC	140	10.00		80	70	73	71	8	26	29.52	29.70
16	OVC	065	10.00		81	68	72	65	6	08	29.97	30.16	16	BKN	090	9.00		73	69	70	87	8	20	29.49	29.68
19	BKN	060	10.00		78	68	71	71	5	10	29.97	30.16	19	BKN	130	5.00		72	70	71	94	7	22	29.52	29.70
22	FEW	050	10.00		74	69	71	85	0	00	29.97	30.16	22	SCT	250	7.00		69	67	68	93	3	21	29.53	29.72

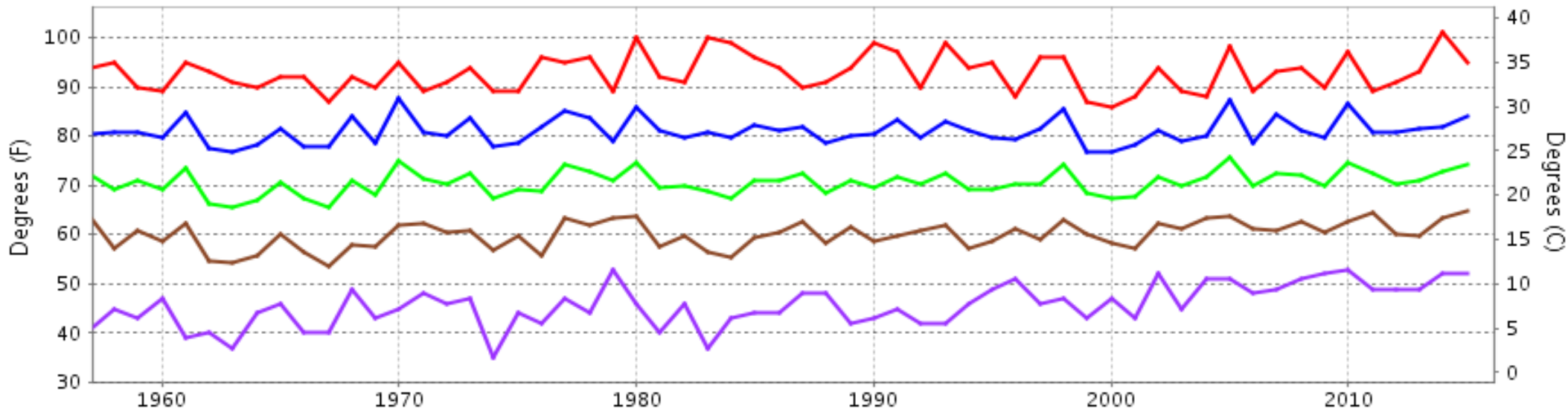
OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
SEPTEMBER 2015 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		
																										DRY BULB	DEW POINT
SUNRISE: 0549 SEP 13					SUNSET: 1821					SUNRISE: 0554 SEP 19					SUNSET: 1811												
01	OVC	110	10.00		70	66	67	87	3	30	29.54	29.73	01	CLR	NC	7.00		FG	68	65	66	90	0	00	29.79	29.98	
04	OVC	120	10.00		67	62	64	84	6	35	29.57	29.76	04	VV	001	0.25	BR	66	65	65	96	0	00	29.77	29.96		
07	BKN	075	9.00		63	57	60	81	5	02	29.62	29.80	07	OVC	002	1.00		67	66	66	97	0	00	29.79	29.98		
10	BKN	070	10.00		67	57	61	71	5	31	29.66	29.85	10	SCT	250	10.00		77	68	71	74	0	00	29.79	29.98		
13	BKN	050	10.00		76	52	62	43	10	30	29.67	29.86	13	SCT	250	10.00		85	63	71	48	6	VR	29.75	29.94		
16	SCT	095	10.00		72	55	62	55	10	34	29.70	29.89	16	SCT	300	10.00		86	64	72	48	6	16	29.70	29.89		
19	SCT	300	10.00		67	49	57	53	3	31	29.77	29.96	19	SCT	300	10.00		77	67	70	71	5	13	29.70	29.88		
22	FEW	075	10.00		61	50	55	67	9	31	29.86	30.05	22	FEW	300	10.00		71	65	67	81	0	00	29.72	29.91		
SUNRISE: 0550 SEP 14					SUNSET: 1819					SUNRISE: 0555 SEP 20					SUNSET: 1810												
01	CLR	NC	10.00		56	47	51	72	0	00	29.88	30.07	01	FEW	300	10.00		69	66	67	90	0	00	29.70	29.89		
04	CLR	NC	10.00		56	48	52	75	3	28	29.94	30.13	04	SCT	300	10.00		68	66	67	93	0	00	29.71	29.90		
07	CLR	NC	10.00		58	47	52	67	6	28	30.01	30.20	07	BKN	300	10.00		69	64	66	84	14	36	29.78	29.96		
10	CLR	NC	10.00		72	46	58	40	6	28	30.06	30.25	10	SCT	300	10.00		76	60	66	58	15	35	29.82	30.01		
13	CLR	NC	10.00		75	46	59	36	8	20	30.03	30.22	13	BKN	300	10.00		81	62	69	53	13	03	29.80	29.99		
16	CLR	NC	10.00		76	44	59	32	6	VR	30.01	30.20	16	BKN	300	10.00		80	61	68	52	11	01	29.79	29.98		
19	CLR	NC	10.00		66	51	58	59	0	00	30.04	30.23	19	BKN	300	10.00		72	61	65	68	6	08	29.82	30.01		
22	CLR	NC	10.00		60	52	56	75	0	00	30.08	30.27	22	BKN	300	10.00		68	61	64	78	6	02	29.85	30.04		
SUNRISE: 0551 SEP 15					SUNSET: 1817					SUNRISE: 0556 SEP 21					SUNSET: 1808												
01	CLR	NC	10.00		57	51	54	81	0	00	30.10	30.29	01	OVC	043	10.00		68	61	64	78	7	36	29.86	30.05		
04	CLR	NC	10.00		56	52	54	87	0	00	30.13	30.32	04	OVC	230	10.00		66	58	61	75	7	01	29.84	30.03		
07	FEW	250	10.00		60	54	57	80	0	00	30.18	30.37	07	OVC	230	10.00		66	58	61	75	7	36	29.91	30.09		
10	FEW	250	10.00		76	53	63	45	5	04	30.20	30.39	10	OVC	060	10.00		72	61	65	68	10	02	29.93	30.12		
13	SCT	250	10.00		82	50	63	33	5	36	30.19	30.37	13	OVC	025	9.00		72	63	66	73	10	04	29.92	30.11		
16	SCT	250	10.00		81	53	64	38	5	14	30.14	30.33	16	OVC	017	10.00		68	64	66	87	10	04	29.91	30.10		
19	SCT	250	10.00		72	58	64	61	0	00	30.14	30.33	19	OVC	040	10.00		68	64	66	87	6	04	29.92	30.11		
22	FEW	250	10.00		63	58	60	84	0	00	30.17	30.36	22	OVC	048	10.00		67	61	63	81	8	02	29.95	30.14		
SUNRISE: 0552 SEP 16					SUNSET: 1816					SUNRISE: 0557 SEP 22					SUNSET: 1807												
01	CLR	NC	10.00		62	57	59	84	0	00	30.16	30.35	01	OVC	055	10.00		66	60	62	81	9	02	29.95	30.14		
04	CLR	NC	10.00		58	55	56	90	0	00	30.16	30.35	04	OVC	060	10.00		65	60	62	84	10	36	29.95	30.14		
07	FEW	250	10.00		61	57	59	87	0	00	30.18	30.37	07	BKN	200	10.00		64	59	61	84	10	01	29.99	30.18		
10	SCT	250	10.00		79	56	65	45	6	33	30.19	30.38	10	BKN	120	10.00		69	60	64	73	11	02	30.03	30.22		
13	BKN	250	10.00		82	54	65	38	5	17	30.14	30.33	13	BKN	130	10.00		75	61	66	62	16	36	29.99	30.18		
16	BKN	300	10.00		81	56	66	42	7	18	30.08	30.27	16	OVC	030	10.00		73	60	65	64	10	03	29.98	30.16		
19	BKN	280	10.00		70	61	65	73	5	14	30.07	30.26	19	OVC	049	10.00		70	60	64	71	9	01	29.99	30.18		
22	BKN	300	10.00		68	60	63	76	0	00	30.07	30.26	22	OVC	050	10.00		69	59	63	70	9	01	30.00	30.19		
SUNRISE: 0553 SEP 17					SUNSET: 1814					SUNRISE: 0558 SEP 23					SUNSET: 1805												
01	OVC	250	10.00		65	61	63	87	0	00	30.05	30.24	01	SCT	050	10.00		66	59	62	78	8	01	30.00	30.19		
04	BKN	250	9.00		61	57	59	87	0	00	30.03	30.22	04	CLR	NC	10.00		63	59	61	87	8	36	29.99	30.18		
07	BKN	250	10.00		62	58	60	86	0	00	30.04	30.23	07	BKN	250	10.00		64	60	62	87	9	36	30.02	30.21		
10	SCT	250	10.00		77	57	65	50	0	00	30.03	30.22	10	OVC	250	10.00		70	59	63	68	16	03	30.04	30.23		
13	FEW	250	10.00		83	57	67	41	6	06	29.98	30.16	13	BKN	250	10.00		75	59	65	58	10	01	30.02	30.21		
16	FEW	250	10.00		82	58	67	44	0	00	29.91	30.10	16	BKN	300	10.00		76	56	64	50	11	05	29.98	30.17		
19	FEW	250	10.00		73	61	66	66	3	12	29.90	30.09	19	BKN	300	10.00		68	57	62	68	6	03	29.99	30.18		
22	FEW	250	10.00		67	61	63	81	0	00	29.91	30.10	22	BKN	300	10.00		63	57	60	81	5	02	30.01	30.20		
SUNRISE: 0553 SEP 18					SUNSET: 1813					SUNRISE: 0558 SEP 24					SUNSET: 1804												
01	CLR	NC	10.00		64	61	62	90	0	00	29.89	30.08	01	BKN	250	10.00		58	53	55	84	6	02	30.02	30.21		
04	CLR	NC	10.00		61	58	59	90	0	00	29.86	30.05	04	BKN	250	10.00		57	51	54	81	5	01	30.00	30.19		
07	FEW	002	3.00	BR	62	60	61	93	0	00	29.88	30.07	07	BKN	250	10.00		60	54	57	80	7	01	30.04	30.23		
10	FEW	250	10.00		78	61	67	56	0	00	29.89	30.07	10	OVC	250	10.00		73	59	65	62	13	05	30.05	30.24		
13	FEW	050	10.00		82	58	67	44	0	00	29.85	30.03	13	OVC	250	10.00		78	53	63	42	14	07	30.05	30.24		
16	SCT	300	10.00		83	58	67	43	9	13	29.78	29.97	16	OVC	300	10.00		78	55	64	45	13	06	30.02	30.21		
19	SCT	300	10.00		73	60	65	64	7	11	29.80	29.99	19	OVC	300	10.00		69	58	62	68	6	04	30.03	30.22		
22	FEW	300	10.00		69	64	66	84	3	14	29.82	30.01	22	OVC	160	10.00		67	58	62	73	5	04	30.06	30.25		

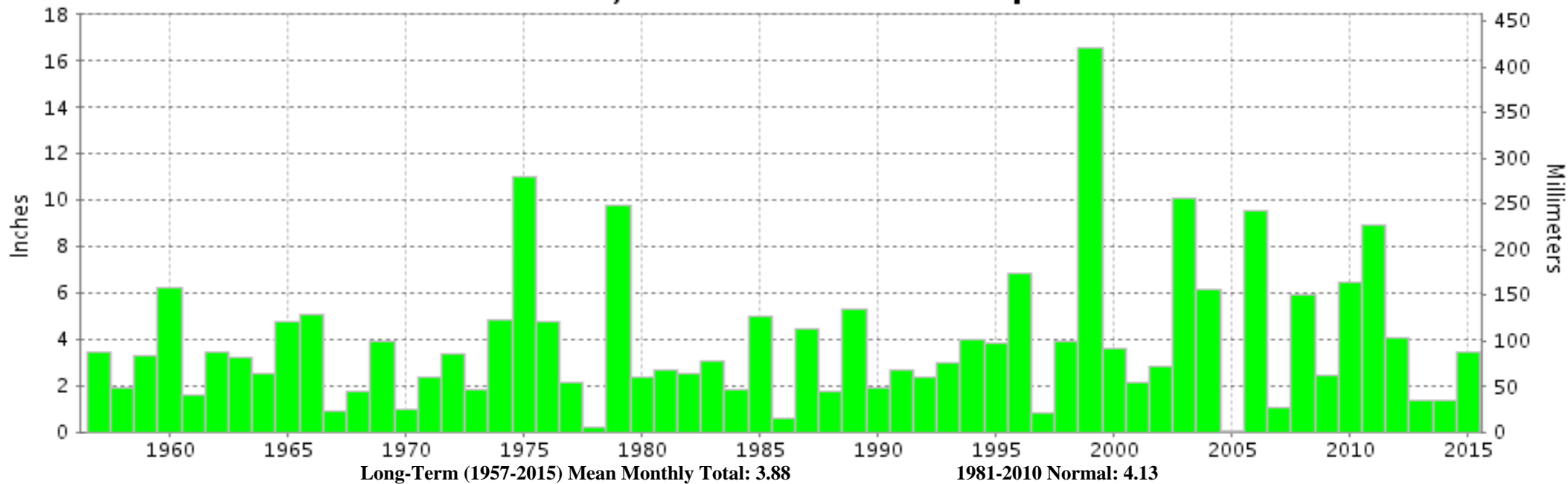
RICHMOND, VA SEPTEMBER Temperatures



— Extreme Max
 — Mean Max
 — Mean
 — Mean Min
 — Extreme Min

Long-Term (1957-2015) Mean: 70.5
1981-2010 Normal: 70.6

RICHMOND, VA SEPTEMBER Precipitation





**SEPTEMBER 2015
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, appearing to read "Thomas R. Karl".

DIRECTOR

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov/IPS/lcd/lcd.html

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