



AUGUST 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	1300 LST	2400 LST	2400 LST	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	93	67	80	2	63	70	0	15		0		0.0	0.00	29.71	29.89	3.6	22	4.1	18	26	15	26	01	
02	90	70	80	2	61	68	0	15		0		0.0	0.00	29.75	29.94	4.7	02	5.4	18	34	13	03	02	
03	92	66	79	1	68	72	0	14		0		0.0	0.00	29.70	29.89	6.9	19	7.2	21	20	17	20	03	
04	96*	75	86*	9	71	75	0	21	TS	0		0.0	0.00	29.73	29.93	8.7	21	9.2	23	21	18	20	04	
05	95	75	85	8	68	74	0	20		0		0.0	0.00	29.76	29.95	3.4	29	4.7	23	26	16	24	05	
06	88	71	80	3	70	72	0	15	TS TSRA RA BR	0		0.0	0.93	29.73	29.91	3.4	04	5.9	33*	27	28*	26	06	
07	78	71	75	-2	69	70	0	10	RA DZ BR	0		0.0	T	29.65	29.84	7.8	03	8.0	22	03	17	03	07	
08	83	66	75	-2	64	68	0	10	RA BR	0		0.0	0.14	29.73	29.94	7.3	02	8.1	21	36	16	01	08	
09	86	64	75	-2	63	68	0	10		0		0.0	0.00	29.82	30.01	3.1	15	4.1	15	14	10	14	09	
10	78	70	74	-3	67	70	0	9	TS TSRA RA BR	0		0.0	0.68	29.82	30.00	5.3	16	5.7	20	19	15	19	10	
11	90	70	80	3	69	71	0	15	TS TSRA RA BR	0		0.0	0.60	29.67	29.86	6.9	21	8.9	29	36	23	35	11	
12	86	67	77	0	63	68	0	12		0		0.0	0.00	29.75	29.95	5.8	34	6.9	22	01	17	01	12	
13	85	66	76	0	62	67	0	11		0		0.0	0.00	29.88	30.09	3.9	02	4.4	21	02	13	01	13	
14	86	62	74	-2	59	65	0	9		0		0.0	0.00	29.98	30.18	1.6	06	2.8	14	05	12	05	14	
15	87	62	75	-1	63	67	0	10		0		0.0	0.00	29.96	30.16	1.8	12	2.5	15	12	9	12	15	
16	91	65	78	2	66	70	0	13		0		0.0	0.00	29.96	30.15	2.4	10	2.7	17	09	10	11	16	
17	92	67	80	4	67	71	0	15		0		0.0	0.00	29.92	30.10	2.1	13	2.7		9	12	17		
18	88	71	80	4	69	72	0	15	RA BR	0		0.0	T	29.83	30.01	3.9	19	5.4	17	28	15	26	18	
19	88	73	81	5	72	74	0	16	RA BR	0		0.0	0.31	29.80	29.98	5.3	15	5.9	25	14	22	14	19	
20	88	74	81	5	73	75	0	16	BR	0		0.0	0.00	29.75	29.94	4.6	18	5.4	17	35	15	35	20	
21	86	68	77	1	62	68	0	12		0		0.0	0.00	29.84	30.04	8.4	36	8.7	23	36	17	01	21	
22	86	63	75	-1	59	65	0	10		0		0.0	0.00	29.91	30.09	5.9	01	6.3	18	02	14	02	22	
23	87	62	75	-1	61	66	0	10		0		0.0	0.00	29.82	30.00	1.7	10	3.5	10	11	8	12	23	
24	91	68	80	4	67	71	0	15	TS RA	0		0.0	0.05	29.72	29.89	4.1	16	5.1	24	08	18	03	24	
25	86	68	77	1	65	69	0	12	RA	0		0.0	0.06	29.72	29.92	3.0	03	4.4	16	01	14	02	25	
26	83	65	74	-2	59	65	0	9		0		0.0	0.00	29.82	30.02	6.2	02	6.8	18	36	15	02	26	
27	84	64	74	-1	58	64	0	9		0		0.0	0.00	29.91	30.11	4.1	03	5.4	15	02	12	36	27	
28	86	61*	74*	-1	59	65	0	9		0		0.0	0.00	29.98	30.18	2.3	08	4.2	14	05	10	06	28	
29	89	62	76	1	61	66	0	11		0		0.0	0.00	30.01	30.19	3.0	17	3.6	14	13	12	21	29	
30	90	66	78	3	63	68	0	13	RA	0		0.0	T	29.95	30.13	4.1	19	4.5	21	18	14	15	30	
31	87	71	79	4	67	71	0	14	RA	0		0.0	T	29.91	30.10	6.0	20	6.9	20	19	16	19	31	

87.6	67.4	77.5	☼	64.8	69.2	0.0	12.7	< MONTHLY AVERAGES TOTALS >				0.0	2.77	29.82	30.01	0.6	11	5.5	< MONTHLY AVERAGES			
0.0	0.0	0.0		<-----DEPARTURE FROM NORMAL----->										-1.89	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 1.14 DATE : 10-11				SEA LEVEL PRESSURE				DATE TIME			
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.25 29 0854			
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.78 11 1554			
HEATING :		0 -1		0		-1		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 10		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 7	
COOLING :		395 7		1507		200				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 5	
										THUNDERSTORMS : 5		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0	

**AUGUST 2015
RICHMOND, VA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RICHMOND, VA (KRIC)
AUGUST 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												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06			0.55	0.03									06												06	0.93	0.93	
07		T	T										07												07	T	T	
08													08	T											08	0.14	0.14	
09													09												09	0.00	0.00	
10					T	T							10			T	T								10	0.68	0.68	
11	0.24	0.03	T	0.01	0.10	0.08							11												11	0.60	0.60	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
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	T											18	T	T	
19													19												19	0.31	0.31	
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	0.05	0.05	
25													25												25	0.06	0.06	
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	T	T	
31													31												31	T	T	

* 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)	0.26	0.33	0.38	0.45	0.53	0.54	0.56	0.58	0.58	0.58	0.58	0.58
Ending Date	06	06	06	06	06	06	06	06	06	06	06	06
Ending Time (Hr/Min)	0216	0221	0226	0231	0239	0247	0307	0324	0324	0324	0324	0324

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 AUGUST 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:METS, SRG, Snowboard

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	10.00	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	10.00	10.00
06	7.00	10.00
07	4.00	10.00
08	4.00	10.00
09	10.00	10.00
10	3.00	10.00
11	4.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	10.00	10.00
16	10.00	10.00
17	7.00	10.00
18	6.00	10.00
19	2.00	10.00
20	2.00	10.00
21	10.00	10.00
22	10.00	10.00
23	10.00	10.00
24	10.00	10.00
25	7.00	10.00
26	10.00	10.00
27	10.00	10.00
28	9.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	8.23	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
0	3	24

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA
AUGUST 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: 0513					AUG 01					SUNSET: 1918					SUNRISE: 0518					AUG 07					SUNSET: 1912				
01	CLR	NC	10.00		71	64	67	79	0	00	29.73	29.92	01	OVC	015	10.00			73	70	71	90	5	04	29.64	29.83			
04	CLR	NC	10.00		69	62	65	78	3	20	29.71	29.90	04	OVC	024	10.00			71	69	70	94	7	04	29.62	29.81			
07	SCT	300	10.00		71	65	67	81	3	17	29.73	29.92	07	OVC	004	5.00	BR		72	70	71	94	7	02	29.64	29.83			
10	SCT	300	10.00		87	63	71	45	0	00	29.73	29.92	10	OVC	006	10.00	-DZ		73	70	71	90	10	03	29.66	29.85			
13	SCT	300	10.00		91	60	71	35	8	23	29.70	29.89	13	OVC	016	10.00			76	68	71	77	8	02	29.66	29.84			
16	FEW	075	10.00		92	63	73	38	10	20	29.66	29.85	16	OVC	025	10.00			75	68	70	79	11	02	29.66	29.85			
19	SCT	300	10.00		86	65	72	49	5	22	29.67	29.86	19	OVC	025	10.00			74	68	70	82	8	02	29.67	29.86			
22	SCT	300	10.00		78	67	71	69	0	00	29.71	29.89	22	OVC	025	10.00			73	67	69	81	7	01	29.69	29.88			
SUNRISE: 0514					AUG 02					SUNSET: 1917					SUNRISE: 0519					AUG 08					SUNSET: 1911				
01	SCT	090	10.00		75	64	68	69	8	36	29.72	29.91	01	OVC	043	10.00			71	67	68	87	7	36	29.68	29.87			
04	SCT	080	10.00		72	60	65	66	6	01	29.73	29.91	04	OVC	070	10.00			70	64	66	82	9	36	29.68	29.87			
07	BKN	300	10.00		74	60	65	62	7	34	29.76	29.95	07	OVC	100	10.00			72	64	67	76	8	01	29.72	29.91			
10	BKN	300	10.00		85	61	70	45	8	01	29.79	29.98	10	OVC	100	10.00			74	66	69	76	14	36	29.77	29.96			
13	BKN	250	10.00		88	62	71	42	6	05	29.78	29.97	13	BKN	060	10.00			78	69	72	74	11	01	29.76	29.95			
16	BKN	250	10.00		89	60	70	38	8	01	29.76	29.95	16	SCT	120	10.00			82	62	69	51	11	04	29.76	29.95			
19	BKN	250	10.00		82	58	67	44	5	36	29.74	29.93	19	FEW	250	10.00			76	61	67	60	5	02	29.77	29.96			
22	FEW	040	10.00		74	63	67	69	0	00	29.75	29.94	22	CLR	NC	10.00			70	63	66	79	0	00	29.81	30.00			
SUNRISE: 0515					AUG 03					SUNSET: 1916					SUNRISE: 0520					AUG 09					SUNSET: 1910				
01	SCT	150	10.00		70	63	66	79	0	00	29.74	29.92	01	CLR	NC	10.00			67	62	64	84	0	00	29.81	30.00			
04	CLR	NC	10.00		69	64	66	84	0	00	29.71	29.90	04	SCT	090	10.00			66	61	63	84	0	00	29.80	29.99			
07	FEW	200	10.00		73	66	69	79	6	19	29.72	29.91	07	SCT	100	10.00			70	62	65	76	0	00	29.83	30.02			
10	BKN	250	10.00		86	66	73	51	5	21	29.73	29.92	10	SCT	100	10.00			80	61	68	52	0	00	29.84	30.03			
13	SCT	044	10.00		88	70	76	55	6	24	29.69	29.88	13	BKN	300	10.00			84	63	70	49	6	19	29.84	30.03			
16	BKN	250	10.00		92	68	75	46	16	20	29.68	29.86	16	SCT	250	10.00			84	64	71	51	9	15	29.81	30.00			
19	SCT	250	10.00		84	70	74	63	7	19	29.67	29.86	19	BKN	250	10.00			80	66	71	62	5	15	29.81	30.00			
22	FEW	250	10.00		79	71	74	77	8	18	29.70	29.89	22	BKN	250	10.00			74	65	68	74	8	15	29.84	30.03			
SUNRISE: 0516					AUG 04					SUNSET: 1915					SUNRISE: 0521					AUG 10					SUNSET: 1909				
01	SCT	300	10.00		78	71	73	79	7	20	29.71	29.90	01	OVC	110	10.00			72	65	68	79	6	14	29.84	30.02			
04	OVC	300	10.00		77	70	72	79	9	20	29.74	29.92	04	OVC	100	10.00			71	64	67	79	5	18	29.83	30.02			
07	BKN	300	10.00		78	70	73	76	9	22	29.77	29.96	07	OVC	100	10.00			72	65	68	79	0	00	29.86	30.05			
10	FEW	150	10.00		87	71	76	59	10	23	29.78	29.97	10	OVC	070	3.00	RA		72	67	69	84	6	16	29.87	30.06			
13	SCT	042	10.00		94	72	78	49	15	22	29.75	29.94	13	OVC	047	10.00			76	66	70	72	11	18	29.85	30.03			
16	BKN	300	10.00		93	69	76	46	10	21	29.71	29.89	16	BKN	095	10.00			77	69	72	77	9	14	29.78	29.97			
19	BKN	300	10.00		85	72	76	65	5	20	29.71	29.90	19	OVC	049	4.00	-RA BR		73	71	72	94	7	11	29.75	29.93			
22	SCT	300	10.00		79	73	75	82	5	20	29.74	29.92	22	OVC	043	10.00	-RA		74	70	71	88	6	16	29.75	29.94			
SUNRISE: 0516					AUG 05					SUNSET: 1914					SUNRISE: 0522					AUG 11					SUNSET: 1908				
01	BKN	300	10.00		77	72	74	85	5	19	29.75	29.93	01	OVC	042	7.00	-RA		73	70	71	90	9	17	29.71	29.90			
04	BKN	260	10.00		77	70	72	79	5	28	29.77	29.96	04	OVC	080	10.00	-RA		72	69	70	91	8	19	29.67	29.86			
07	BKN	300	10.00		79	69	72	72	3	30	29.79	29.98	07	OVC	120	10.00			71	68	69	90	7	18	29.68	29.87			
10	BKN	300	10.00		89	65	73	45	8	29	29.81	30.00	10	BKN	120	10.00			79	71	74	77	13	24	29.69	29.88			
13	BKN	300	10.00		94	64	74	37	8	26	29.77	29.95	13	BKN	250	10.00			87	72	77	61	8	25	29.65	29.84			
16	BKN	300	10.00		94	65	74	38	7	33	29.74	29.93	16	BKN	250	10.00	TS		85	71	75	63	11	21	29.60	29.78			
19	BKN	300	10.00		89	66	74	47	5	30	29.75	29.93	19	BKN	250	10.00			73	68	70	84	7	21	29.66	29.85			
22	SCT	300	10.00		81	71	74	72	0	00	29.77	29.95	22	OVC	110	5.00	TSRA		72	67	69	84	9	22	29.70	29.89			
SUNRISE: 0517					AUG 06					SUNSET: 1913					SUNRISE: 0522					AUG 12					SUNSET: 1907				
01	SCT	300	10.00		76	72	73	88	7	03	29.76	29.95	01	OVC	130	10.00			71	67	68	87	6	29	29.69	29.88			
04	SCT	300	10.00		71	69	70	94	3	17	29.75	29.93	04	FEW	060	10.00			69	66	67	90	6	32	29.70	29.89			
07	OVC	170	10.00		72	67	69	84	6	36	29.77	29.95	07	FEW	070	10.00			72	63	66	73	9	35	29.75	29.94			
10	OVC	300	10.00		80	70	73	71	9	04	29.76	29.94	10	FEW	070	10.00			79	62	68	56	10	35	29.79	29.98			
13	BKN	300	10.00		83	71	75	67	5	10	29.74	29.93	13	FEW	050	10.00			84	61	69	46	9	31	29.78	29.97			
16	BKN	250	10.00		85	72	76	65	9	05	29.67	29.86	16	BKN	095	10.00			83	61	69	48	6	36	29.76	29.95			
19	OVC	095	10.00		78	71	73	79	8	06	29.68	29.86	19	SCT	250	10.00			78	63	68	60	3	06	29.78	29.97			
22	OVC	120	10.00	-RA	73	70	71	90	5	09	29.68	29.86	22	FEW	250	10.00			69	64	66	84	0	00	29.82	30.01			

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

AUGUST 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: 0523					AUG 13					SUNSET: 1906					SUNRISE: 0528					AUG 19					SUNSET: 1857				
01	CLR	NC	10.00		67	63	65	87	0	00	29.82	30.01	01	OVC	170	10.00		75	70	72	84	6	17	29.82	30.01				
04	BKN	080	10.00		67	62	64	84	6	35	29.86	30.05	04	OVC	090	10.00		73	70	71	90	3	17	29.79	29.98				
07	BKN	110	10.00		69	61	64	76	8	01	29.89	30.09	07	OVC	095	9.00		74	70	71	88	8	17	29.82	30.01				
10	SCT	250	10.00		79	63	69	58	3	VR	29.92	30.11	10	BKN	250	10.00		81	71	74	72	5	18	29.83	30.02				
13	BKN	250	10.00		84	62	70	48	8	36	29.91	30.09	13	BKN	250	10.00		84	72	76	67	8	16	29.80	29.98				
16	BKN	250	10.00		85	61	70	45	3	VR	29.89	30.07	16	BKN	250	10.00		87	73	77	63	11	14	29.74	29.93				
19	BKN	250	10.00		78	64	69	62	3	03	29.91	30.09	19	BKN	180	10.00		77	74	75	90	5	11	29.76	29.95				
22	SCT	250	10.00		70	61	65	73	0	00	29.96	30.15	22	SCT	250	10.00		76	74	75	94	6	14	29.78	29.97				
SUNRISE: 0524					AUG 14					SUNSET: 1904					SUNRISE: 0529					AUG 20					SUNSET: 1855				
01	SCT	250	10.00		67	63	65	87	0	00	29.98	30.17	01	BKN	080	10.00		75	73	74	94	5	17	29.77	29.96				
04	SCT	250	10.00		63	61	62	93	0	00	29.98	30.17	04	OVC	006	6.00	BR	75	72	73	90	3	16	29.74	29.92				
07	SCT	300	10.00		68	61	64	78	6	35	30.02	30.21	07	OVC	003	4.00	BR	75	73	74	94	5	18	29.75	29.94				
10	FEW	250	10.00		82	56	66	41	0	00	30.04	30.23	10	OVC	012	10.00		79	73	75	82	8	19	29.79	29.98				
13	SCT	250	10.00		85	57	68	39	6	VR	30.00	30.19	13	BKN	080	10.00		84	74	77	72	9	19	29.75	29.93				
16	FEW	060	10.00		85	57	68	39	3	VR	29.97	30.16	16	BKN	190	10.00		88	75	79	66	8	18	29.71	29.89				
19	CLR	NC	10.00		76	60	66	58	5	10	29.95	30.14	19	BKN	250	10.00		82	74	76	77	5	19	29.74	29.93				
22	CLR	NC	10.00		70	60	64	71	0	00	29.98	30.17	22	SCT	250	10.00		78	74	75	87	0	00	29.76	29.95				
SUNRISE: 0525					AUG 15					SUNSET: 1903					SUNRISE: 0530					AUG 21					SUNSET: 1854				
01	CLR	NC	10.00		67	61	63	81	3	17	29.98	30.16	01	SCT	300	10.00		75	71	72	88	3	34	29.78	29.97				
04	CLR	NC	10.00		64	59	61	84	0	00	29.96	30.15	04	SCT	110	10.00		74	69	71	85	8	01	29.79	29.98				
07	SCT	300	10.00		68	63	65	84	0	00	30.00	30.19	07	BKN	300	10.00		75	61	66	62	15	36	29.85	30.04				
10	SCT	300	10.00		81	67	72	62	0	00	30.00	30.19	10	OVC	120	10.00		80	60	67	51	15	35	29.91	30.09				
13	BKN	300	10.00		87	66	73	50	3	VR	29.97	30.15	13	BKN	300	10.00		84	61	69	46	11	01	29.88	30.07				
16	BKN	200	10.00		85	65	72	51	8	12	29.94	30.13	16	SCT	250	10.00		85	59	69	42	8	04	29.85	30.04				
19	BKN	250	10.00		79	65	70	62	7	10	29.92	30.11	19	BKN	250	10.00		79	61	68	54	6	36	29.86	30.05				
22	FEW	250	10.00		71	62	65	73	0	00	29.98	30.17	22	BKN	250	10.00		72	60	65	66	5	35	29.89	30.08				
SUNRISE: 0526					AUG 16					SUNSET: 1902					SUNRISE: 0531					AUG 22					SUNSET: 1853				
01	SCT	250	10.00		69	62	65	78	0	00	29.99	30.18	01	SCT	250	10.00		68	59	63	73	5	33	29.90	30.09				
04	SCT	250	10.00		67	62	64	84	0	00	29.96	30.15	04	FEW	250	10.00		65	58	61	78	7	35	29.90	30.09				
07	SCT	300	10.00		69	64	66	84	0	00	29.99	30.17	07	SCT	250	10.00		68	59	63	73	7	36	29.93	30.12				
10	FEW	250	10.00		83	67	72	59	0	00	29.99	30.18	10	BKN	250	10.00		80	62	69	54	8	05	29.95	30.14				
13	SCT	250	10.00		89	69	75	52	5	11	29.97	30.15	13	BKN	250	10.00		84	57	67	40	10	01	29.92	30.11				
16	SCT	250	10.00		88	67	74	50	8	08	29.93	30.12	16	BKN	250	10.00		85	57	68	39	9	35	29.88	30.07				
19	SCT	250	10.00		80	66	71	62	6	13	29.93	30.12	19	BKN	250	10.00		76	59	66	56	5	05	29.87	30.06				
22	CLR	NC	10.00		73	67	69	81	5	09	29.95	30.14	22	BKN	250	10.00		69	60	64	73	0	00	29.89	30.08				
SUNRISE: 0527					AUG 17					SUNSET: 1859					SUNRISE: 0532					AUG 23					SUNSET: 1851				
01	CLR	NC	10.00		70	66	67	87	0	00	29.95	30.14	01	FEW	250	10.00		65	60	62	84	0	00	29.86	30.05				
04	CLR	NC	10.00		68	65	66	90	0	00	29.94	30.13	04	FEW	250	10.00		64	58	60	81	0	00	29.87	30.06				
07	CLR	NC	9.00		71	68	69	90	0	00	29.97	30.16	07	BKN	250	10.00		67	59	62	76	0	00	29.86	30.05				
10	CLR	NC	10.00		85	69	74	59	0	00	29.96	30.14	10	BKN	250	10.00		80	60	67	51	6	02	29.85	30.04				
13	SCT	300	10.00		91	70	76	50	3	VR	29.91	30.10	13	SCT	250	10.00		84	59	68	43	5	26	29.81	30.00				
16	FEW	050	10.00		91	66	74	44	6	11	29.87	30.06	16	SCT	250	10.00		83	63	70	51	8	11	29.76	29.95				
19	SCT	300	10.00		81	68	72	65	8	12	29.85	30.04	19	SCT	250	10.00		78	66	70	67	3	13	29.74	29.93				
22	SCT	300	10.00		74	66	69	76	0	00	29.88	30.06	22	SCT	250	10.00		71	65	67	81	6	13	29.77	29.96				
SUNRISE: 0527					AUG 18					SUNSET: 1858					SUNRISE: 0533					AUG 24					SUNSET: 1850				
01	SCT	300	10.00		72	68	69	87	3	13	29.87	30.06	01	FEW	300	10.00		71	64	67	79	0	00	29.76	29.95				
04	BKN	300	9.00		72	69	70	91	3	14	29.84	30.02	04	FEW	048	10.00		69	62	65	78	0	00	29.73	29.92				
07	OVC	300	6.00	BR	73	70	71	90	0	00	29.85	30.04	07	SCT	300	10.00		72	63	66	73	0	00	29.74	29.93				
10	OVC	300	10.00		86	70	75	59	5	24	29.85	30.04	10	SCT	300	10.00		85	67	73	55	5	16	29.74	29.93				
13	OVC	110	10.00	-RA	84	64	71	51	7	25	29.84	30.03	13	BKN	300	10.00		89	69	75	52	6	20	29.69	29.88				
16	OVC	250	10.00		83	68	73	61	7	19	29.81	29.99	16	SCT	300	10.00		82	70	74	67	6	12	29.66	29.85				
19	BKN	250	10.00		79	71	74	77	5	18	29.78	29.97	19	SCT	300	10.00		79	70	73	74	5	19	29.66	29.85				
22	BKN	300	10.00		76	71	73	85	3	17	29.81	30.00	22	SCT	300	10.00		77	71	73	82	6	18	29.69	29.87				

OBSERVATIONS AT 3-HOURLY INTERVALS

RICHMOND, VA

AUGUST 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)		
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	
SUNRISE: 0533 AUG 25 SUNSET: 1849													
01	BKN	080	10.00	-RA	75	71	72	88	0	00	29.68	29.87	
04	BKN	075	10.00		74	71	72	91	0	00	29.69	29.88	
07	OVC	100	7.00		70	64	66	82	5	35	29.77	29.96	
10	SCT	300	10.00		78	62	68	58	8	03	29.77	29.96	
13	SCT	300	10.00		83	61	69	48	5	VR	29.73	29.92	
16	SCT	300	10.00		85	62	70	46	7	09	29.70	29.88	
19	SCT	150	10.00		78	65	70	64	3	08	29.72	29.91	
22	BKN	060	10.00		74	66	69	76	0	00	29.75	29.94	
SUNRISE: 0534 AUG 26 SUNSET: 1847													
01	FEW	049	10.00		69	66	67	90	0	00	29.75	29.94	
04	BKN	048	10.00	68	57	62	68	5	01	29.77	29.96		
07	BKN	043	10.00	68	58	62	70	9	36	29.83	30.02		
10	BKN	300	10.00	77	58	65	52	10	36	29.86	30.05		
13	BKN	300	10.00	82	58	67	44	6	VR	29.85	30.03		
16	BKN	100	10.00	81	59	67	47	8	36	29.81	30.00		
19	BKN	095	10.00	75	61	66	62	6	04	29.84	30.03		
22	BKN	090	10.00	71	59	64	66	6	03	29.88	30.07		
SUNRISE: 0535 AUG 27 SUNSET: 1846													
01	FEW	080	10.00	67	58	62	73	3	02	29.87	30.06		
04	BKN	100	10.00	65	56	60	73	10	36	29.87	30.06		
07	BKN	300	10.00	66	57	61	73	9	01	29.93	30.12		
10	BKN	300	10.00	75	58	65	55	7	04	29.96	30.14		
13	BKN	300	10.00	81	59	67	47	5	07	29.92	30.11		
16	BKN	250	10.00	82	56	66	41	5	03	29.89	30.08		
19	SCT	250	10.00	74	60	65	62	3	08	29.91	30.09		
22	SCT	250	10.00	69	61	64	76	0	00	29.96	30.15		
SUNRISE: 0536 AUG 28 SUNSET: 1844													
01	FEW	060	10.00	64	60	62	87	0	00	29.97	30.16		
04	CLR	NC	10.00	63	59	61	87	0	00	29.96	30.15		
07	FEW	300	10.00	66	60	62	81	3	34	30.00	30.19		
10	SCT	300	10.00	79	59	67	50	0	00	30.04	30.23		
13	SCT	300	10.00	85	59	69	42	6	VR	30.01	30.20		
16	SCT	250	10.00	81	59	67	47	7	07	29.97	30.16		
19	CLR	NC	10.00	75	61	66	62	6	10	29.96	30.15		
22	CLR	NC	10.00	69	59	63	70	5	14	30.02	30.21		
SUNRISE: 0537 AUG 29 SUNSET: 1843													
01	FEW	250	10.00	67	59	62	76	0	00	30.02	30.21		
04	SCT	075	10.00	64	59	61	84	0	00	30.02	30.21		
07	BKN	250	10.00	65	61	63	87	0	00	30.06	30.25		
10	BKN	250	10.00	81	61	68	51	5	13	30.06	30.24		
13	BKN	250	10.00	87	59	69	39	6	27	30.00	30.19		
16	OVC	250	10.00	84	62	70	48	9	15	29.95	30.14		
19	BKN	240	10.00	78	64	69	62	7	15	29.94	30.12		
22	BKN	220	10.00	71	61	65	71	0	00	29.97	30.16		
SUNRISE: 0538 AUG 30 SUNSET: 1842													
01	SCT	230	10.00	68	62	64	81	3	18	29.96	30.15		
04	BKN	250	10.00	67	62	64	84	3	21	29.93	30.12		
07	OVC	250	10.00	69	63	65	81	0	00	29.97	30.15		
10	BKN	250	10.00	84	62	70	48	6	21	29.98	30.16		
13	BKN	250	10.00	88	62	71	42	7	19	29.94	30.13		
16	OVC	200	10.00	85	62	70	46	8	16	29.91	30.10		
19	OVC	130	10.00	79	65	70	62	5	17	29.91	30.10		
22	OVC	130	10.00	76	66	70	72	3	16	29.93	30.11		

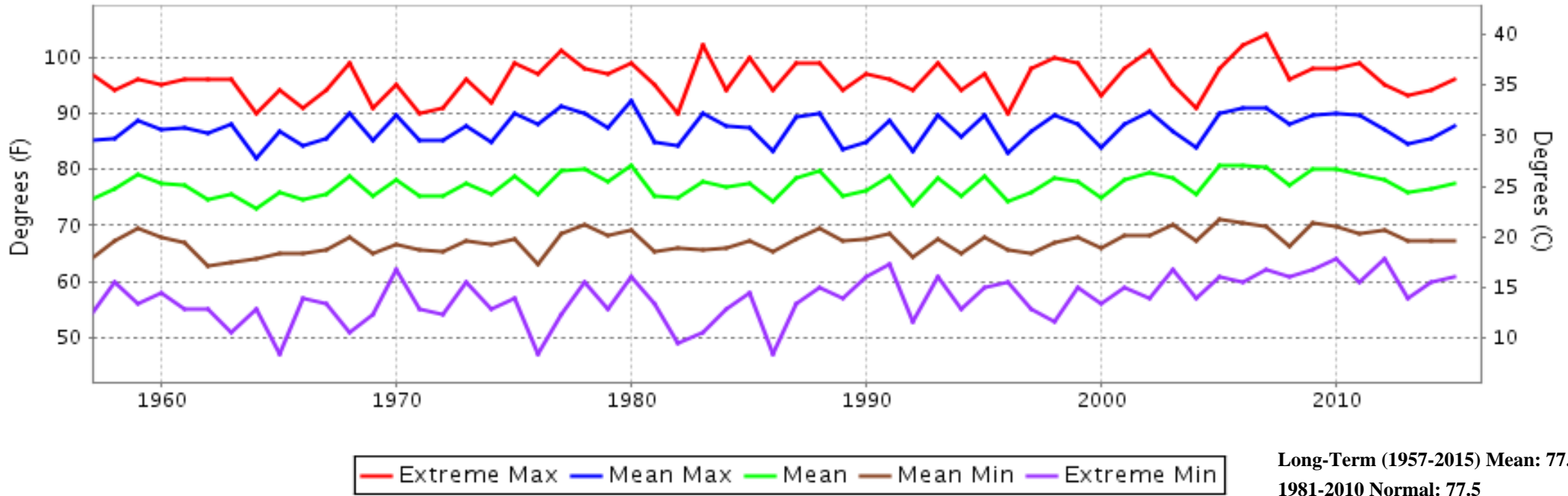
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0538 AUG 31 SUNSET: 1840												
01	OVC	095	10.00	-RA	75	66	69	74	5	18	29.92	30.11
04	OVC	110	10.00		76	66	70	72	6	24	29.91	30.10
07	OVC	150	10.00		76	65	69	69	7	24	29.93	30.12
10	OVC	150	10.00		78	66	70	67	7	20	29.94	30.13
13	SCT	250	10.00		84	68	73	59	9	21	29.92	30.10
16	BKN	250	10.00		85	70	75	61	11	16	29.89	30.07
19	SCT	120	10.00		76	69	71	79	8	16	29.89	30.07
22	FEW	017	10.00		71	68	69	90	6	19	29.91	30.10

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.

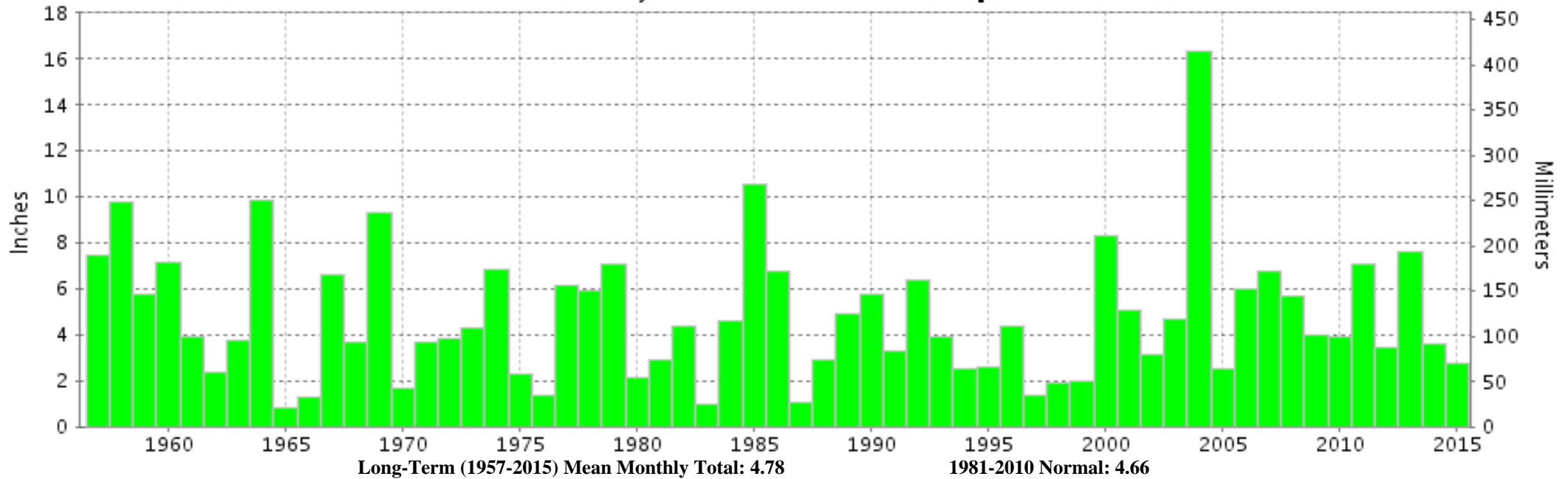
SUMMARY BY HOUR

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	71	65	68	83	29.82	30.01	9.90	3	1	17
02	70	65	67	83	29.82	30.00	9.77	4	1	21
03	70	64	66	84	29.81	30.00	9.94	4	1	17
04	69	64	66	83	29.81	30.00	9.84	4	1	20
05	69	64	66	84	29.82	30.01	9.61	4	1	17
06	69	63	65	83	29.83	30.02	9.48	4	1	19
07	71	64	67	79	29.84	30.03	9.35	5	1	21
08	75	65	68	72	29.85	30.04	9.84	6	1	19
09	78	65	70	65	29.86	30.04	10.00	6	1	17
10	81	65	70	59	29.86	30.05	9.77	6	1	20
11	82	64	71	56	29.86	30.05	9.81	7	1	20
12	84	64	71	54	29.84	30.03	9.97	7	1	20
13	85	65	72	51	29.83	30.02	10.00	7	2	24
14	86	64	72	49	29.82	30.00	10.00	8	1	20
15	86	65	72	51	29.80	29.99	10.00	8	2	11
16	85	65	72	51	29.80	29.98	10.00	8	3	11
17	84	65	71	55	29.80	29.98	9.74	8	3	11
18	82	65	71	58	29.79	29.98	10.00	7	2	11
19	79	66	70	66	29.80	29.99	9.81	6	2	11
20	76	66	70	73	29.81	30.00	10.00	4	3	11
21	75	66	69	75	29.83	30.02	9.90	4	2	12
22	73	66	69	78	29.83	30.02	9.84	3	2	14
23	72	66	68	81	29.83	30.02	10.00	3	2	16
24	72	66	68	82	29.83	30.02	9.97	3	2	18

RICHMOND, VA AUGUST Temperatures



RICHMOND, VA AUGUST Precipitation





**AUGUST 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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