

# Local Climatological Data



## MONTHLY SUMMARY

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FT. STANDARD TIME USED: EASTERN WBAN #13740

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°		HEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRESSURE IN. - - - ELEV. FEET M.S.L.	WIND			SUNSHINE		SKY COVER TENTHS		DATE				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	7A	7B			8	9		10	11	12	13	14	15	16		17	18	19	20
1	85	61	73	-5	61	0	8	0	0	0	0	30.09	05	4.6	5.5	10	N	742	88	4	3	1		
2	88	64	76	-2	65	0	11	1	0	0	0	29.93	11	2.1	4.5	9	E	544	85	4	3	2		
3	89	70	79	1	70	0	14	1	3	8	0	29.80	21	5.7	9.1	11	E	271	32	9	9	3		
4	93	71	82	4	72	0	17	1	8	0	0	29.83	24	4.5	6.0	10	E	428	51	5	5	4		
5	95*	73	84*	6	74	0	19	1	8	0	0	29.79	25	6.9	8.6	10	E	642	77	5	6	5		
6	80	69	75	-3	69	0	10	1	3	8	0	29.73	10	3.0	5.0	9	E	85	10	10	10	6		
7	82	70	76	-1	70	0	11	1	8	0	0	29.62	21	7.7	5.9	10	E	163	20	9	9	7		
8	87	73	80	3	74	0	15	1	3	8	0	29.59	21	3.9	6.6	10	E	143	17	10	10	8		
9	92	73	83	6	71	0	18	1	8	0	0	29.79	22	4.7	6.0	10	E	720	87	6	8	9		
10	92	70	81	4	72	0	16	1	8	0	0	29.93	20	2.0	4.6	10	E	619	75	5	7	10		
11	86	72	79	2	74	0	14	1	8	0	0	29.87	17	5.8	6.5	10	E	69	8	10	10	11		
12	80	68	74	-3	69	0	9	1	3	8	0	29.84	25	2.9	7.3	10	E	249	30	7	6	12		
13	86	63	75	-2	66	0	10	1	8	0	0	29.92	32	1.9	2.2	10	E	658	80	1	1	13		
14	92	65	79	2	66	0	14	1	8	0	0	29.93	25	3.1	3.2	10	E	565	69	4	3	14		
15	90	66	78	1	69	0	13	1	8	0	0	29.76	20	7.7	8.2	10	E	560	69	4	4	15		
16	90	72	81	5	70	0	16	1	8	0	0	29.61	01	3.6	8.6	10	E	433	53	6	5	16		
17	81	61	71	-5	55	0	6	1	8	0	0	29.80	34	8.5	9.4	10	E	736	91	7	7	17		
18	82	58	70	-6	53	0	5	1	8	0	0	29.90	36	5.1	5.8	10	E	744	92	7	6	18		
19	71	65	68	-8	62	0	3	1	8	0	0	29.87	04	8.2	8.6	10	E	0	0	10	10	19		
20	80	60	70	-6	60	0	5	1	8	0	0	29.79	01	12.6	12.7	10	E	246	30	9	8	20		
21	81	56*	69	-7	54	0	4	1	8	0	0	29.97	04	7.5	9.1	10	E	744	93	5	5	21		
22	67	60	64*	-12	60	1	0	1	8	0	0	29.97	02	8.3	9.5	10	E	0	0	10	9	22		
23	83	68	71	-4	59	0	6	1	8	0	0	29.88	32	3.8	5.8	10	N	727	91	8	8	23		
24	89	63	76	1	64	0	11	1	8	0	0	29.83	23	2.1	3.2	9	N	524	66	9	9	24		
25	82	64	73	-2	61	0	8	1	8	0	0	29.90	02	7.9	9.4	16	NE	533	67	3	4	25		
26	81	62	72	-3	62	0	7	1	8	0	0	29.96	10	3.2	6.3	12	SE	793	100	4	4	26		
27	85	61	73	-2	62	0	8	1	8	0	0	29.91	18	6.4	6.6	10	SW	746	94	1	2	27		
28	88	61	75	0	60	0	10	1	8	0	0	29.99	15	4.5	5.6	13	SE	725	92	2	2	28		
29	85	62	74	0	65	0	9	1	8	0	0	29.99	04	3.2	4.5	10	SE	116	15	10	9	29		
30	82	68	75	1	69	0	10	2	8	0	0	29.89	09	3.6	4.9	11	SE	18	2	10	9	30		
31	86	67	77	3	68	0	12	2	8	0	0	29.84	12	2.9	3.7	9	E	659	84	7	6	31		
SUM	2627	2026					1	319				2.89	0	29.85	03	6	6.5	16	NE	14202	8	SUM	SUM	
AVG.	84.7	65.4	75.1	-1.2	65		1	-31												DATE: 25	25250	56	6.5	6.3
SEASON TO DATE											SNOW, ICE PELLETS > 1.0 INCH			GREATEST IN 24 HOURS AND DATES			GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE							
NUMBER OF DAYS											SNOW, ICE PELLETS > 1.0 INCH			GREATEST IN 24 HOURS AND DATES			GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.		MINIMUM TEMP.		T		1307		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS		SNOW, ICE PELLETS		SNOW, ICE PELLETS		SNOW, ICE PELLETS		SNOW, ICE PELLETS		SNOW, ICE PELLETS		
390		32		32		0		1		152		4		PARTLY CLOUDY		15		CLOUDY		12		0		

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 T TRACE AMOUNT.  
 + ALSO ON AN EARLIER DATE, OR DATES.  
 HEAVY FOG: - VISIBILITY 1/4 MILE OR LESS.  
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.  
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 DR  
 MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.  
 FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES, THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.  
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

### SUMMARY BY HOURS

HOUR LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE					RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.
			AIR °F	WET BULB °F	DEW PT. °F	MIN.	MAX.				
01	6	29.86	69	66	65	86	4.4	07	.4		
04	7	29.85	68	66	64	88	4.8	36	1.6		
07	6	29.87	69	67	65	88	5.9	36	1.6		
10	6	29.89	78	70	66	69	8.2	36	2.6		
13	7	29.86	82	71	66	60	8.0	31	.7		
16	7	29.83	83	71	65	57	9.6	21	.9		
19	6	29.83	77	70	66	69	6.4	11	1.1		
22	5	29.85	72	68	65	81	5.0	12	2.0		

### HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
2																									2
3																									3
4																									4
5																									5
6																									6
7	T	.02	T			.40	T	.04	.01	T															7
8		.02	.05	T		.11	T	.14																	8
9																									9
10																									10
11																									11
12	T	T		.01	T	T	T	T	.03	.36	.17	T	.03	T	T									12	
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AUG 1981 RICHMOND, VIRGINIA

OBSERVATIONS AT 3-HOUR INTERVALS

Main data table containing meteorological observations for Richmond, VA from 01/01 to 01/31, 1981. Columns include hour, sky cover, ceiling, visibility, temperature, wind, and weather.

NOTES
CEILING
UNL INDICATES UNLIMITED

WEATHER
# TORNADO
Q THUNDERSTORM
T SQUALL
R RAIN
RM RAIN SHOWERS
ZR FREEZING RAIN
L DRIZZLE
ZL FREEZING DRIZZLE
S SNOW
SP SNOW PELLETS
IC ICE CRYSTALS
SM SNOW SHOWERS
SG SNOW GRAINS
IP ICE PELLETS
A HAIL
F FOG
IF ICE FOG
GF GROUND FOG
BD BLOWING DUST
BN BLOWING SAND
BS BLOWING SNOW
BY BLOWING SPRAY
K SMOKE
H HAZE
D DUST

WIND
DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH; I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.
SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

STATION RICHMOND VA YEAR & MONTH 81 08

U.S. DEPARTMENT OF COMMERCE NATIONAL CLIMATIC CENTER FEDERAL BUILDING ASHEVILLE, N.C. 28801

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