

# Local Climatological Data



## MONTHLY SUMMARY

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

FEBRUARY 1981 RICHMOND, VIRGINIA

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°		WEATHER 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				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)			WATER EQUIVALENT IN.	SNOW, ICE PELLETS IN.		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	57	15	36	-2	23	29	0		0	0	0	30.00	17	7.1	7.2	22	S	521	84	9	7	1
2	61	29	45	7	36	20	0		0	.70	0	29.53	21	12.2	16.0	26	SW	372	60	8	6	2
3	29	16	23	-15	2	42	0		0	0	0	30.00	28	10.7	11.7	18	NW	624	100	0	1	3
4	34	12*	23	-15	6	42	0		0	0	0	30.04	25	5.7	7.2	18	N	626	100	1	1	4
5	32	14	23*	-15	3	42	0		0	0	0	30.24	36	2.1	5.8	13	N	628	100	0	0	5
6	46	20	33	-5	15	32	0		0	0	0	30.08	20	8.8	10.6	17	N	552	88	5	5	6
7	52	21	37	-1	23	28	0	1	8	.10	0	29.93	16	4.6	5.3	13	SW	451	71	10	8	7
8	47	31	39	1	34	26	0	2		.19	0	29.56	25	7.4	9.8	26	NW	38	6	10	7	8
9	43	23	33	-5	10	32	0		0	0	0	30.01	26	4.1	8.1	16	NW	636	100	0	1	9
10	60	27	44	5	31	21	0		0	0	0	30.12	13	10.7	11.1	26	SE	312	49	10	9	10
11	66	30	48	9	49	17	0	1		.96	0	29.69	19	9.5	16.0	33	SE	56	9	10	9	11
12	30	18	24	-15	2	41	0		0	0	0	30.56	34	11.9	13.7	22	NW	567	88	3	4	12
13	37	16	27	-12	10	38	0		0	0	0	30.77	02	6.5	7.3	7	N	645	100	0	2	13
14	52	23	38	-1	21	27	0		0	0	0	30.58	35	1.6	3.2	5	NE	647	100	5	5	14
15	55	24	40	1	25	25	0	1	8	0	0	30.47	12	1.6	2.7	8	SE	649	100	0	0	15
16	63	27	45	6	32	20	0	1	8	0	0	30.32	20	3.6	3.9	10	SE	632	97	6	5	16
17	66	43	55	15	45	10	0		0	0	0	30.17	21	4.4	5.9	14	SE	438	67	10	10	17
18	73	52	63*	23	47	2	0		0	T	0	30.08	17	7.1	7.9	14	S	462	70	9	8	18
19	70	53	62	23	53	3	0	1	8	.22	0	29.83	16	7.4	7.9	20	S	312	47	10	10	19
20	58	49	54	14	50	11	0	1 3		.44	0	29.36	24	4.8	8.3	15	NW	50	0	10	10	20
21	57	47	52	12	44	13	0		0	T	0	29.52	34	13.6	14.2	23	N	246	37	10	10	21
22	57	51	54	14	50	11	0	1		.02	0	29.74	35	3.6	5.8	19	NW	94	14	10	10	22
23	60	39	50	9	51	15	0	2		.13	0	29.56	17	8.1	8.8	24	SW	72	11	9	7	23
24	56	36	46	5	34	19	0		0	0	0	29.57	31	4.7	6.9	23	NW	381	57	7	5	24
25	60	33	47	6	26	18	0		0	0	0	29.73	30	8.4	11.1	25	N	600	89	2	1	25
26	56	33	45	4	25	20	0		0	0	0	29.86	33	13.3	14.1	22	N	675	100	0	0	26
27	61	31	46	4	22	19	0		0	0	0	29.99	33	9.4	9.8	15	N	656	97	2	2	27
28	76*	33	55	13	32	10	0		0	0	0	29.73	21	6.9	8.6	22	W	480	71	10	9	28

SUM		SUM		TOTAL		TOTAL		PRECIPITATION		PRECIPITATION		FOR THE MONTH:		TOTAL		% FOR		SUM		SUM	
1514	846			633	0	NUMBER OF DAYS	2.76	0	29.97	25	2.4	8.9	33	S	12372			166	152		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION	DEP.							DATE: 11	POSSIBLE MONTH	AVG.	AVG.				
54.1	30.2	42.2	2.8	29	-84	>.01 INCH	-0.25								18164	68	5.9	5.4			

  

NUMBER OF DAYS		MINIMUM TEMP.		DEP.		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE	
390	3	32	0	0	0	1	0	PRECIPITATION	SNOW, ICE PELLETS		
0	3	17	0	246	0	HEAVY FOG	2	96	11		
						CLEAR	10	PARTLY CLOUDY	4	CLOUDY	14

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † 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 OR 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.

DATE	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
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21		T	T	T	T	T	T	T	T	T	T													
22																								
23	T	T		.01	.01	T		.01	.01	T	.01	.02	T		.03	.03	T	T	T	T	T	T		
24																								
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27																								
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*Daniel B. Mitchell*  
 DIRECTOR, NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

Table with multiple columns for hourly observations (Hour, Sky Cover, Ceiling, Visibility, Temperature, Wind, etc.) across days 01 to 28. Includes sub-tables for DAY 01 through DAY 28.

NOTES  
CEILING  
UNL INDICATES UNLIMITED

WEATHER  
\* TORNADO  
T THUNDERSTORM  
O SQUALL  
R RAIN  
RW RAIN SHOWERS  
ZR FREEZING RAIN

L DRIZZLE  
ZL FREEZING DRIZZLE  
S SNOW  
SP SNOW PELLETS  
IC ICE CRYSTALS  
SW 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: 1, 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 02

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