

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		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRES-SURE IN. ELEV. 177 M.S.L.			WIND				SUNSHINE		SKY COVER TENS		DATE		
	MAXIMUM	MINIMUM	AVERAGE	BASE 65°	BASE 50°			WATER EQUIVA- LENT IN.	SNOW, ICE PELLETS IN.	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	DIRECTION	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	23
1	70*	50	60*	23	58	5	0	1	0	.04	0	29.94	19	11.8	11.9	22	SW	151	26	10	10	1	
2	67	32	50	13	55	15	0	1	0	1.36	0	29.61	19	6.1	12.1	20	SW	0	0	10	10	2	
3	32	14	23	-14	8	42	0	0	0	0	0	30.21	30	10.3	11.5	20	NW	579	100	0	0	3	
4	36	11*	24	-13	13	41	0	0	0	0	0	30.41	24	6.0	6.6	15	W	580	100	0	0	4	
5	42	23	33	-4	21	32	0	0	0	.02	0	30.41	18	2.6	5.3	10	S	413	71	8	8	5	
6	40	29	35	-2	34	30	0	1	4	.02	0	30.17	14	2.6	5.8	9	M	317	55	9	10	6	
7	61	37	49	12	46	16	0	2	0	.69	0	29.91	17	5.5	7.1	15	SW	0	0	10	10	7	
8	62	29	46	9	42	19	0	1	0	.30	0	29.71	36	2.8	10.9	20	NW	31	5	10	8	8	
9	34	20	27	-10	16	38	0	0	0	0	0	30.15	29	2.3	6.9	13	M	585	100	0	0	9	
10	38	17	28	-9	19	37	0	0	0	0	0	30.19	17	1.2	3.7	8	S	488	83	5	4	10	
11	30	24	27	-10	20	38	0	0	0	0	0	30.30	04	9.7	9.8	14	NE	338	58	10	10	11	
12	30	23	27	-10	23	38	0	1	4	.26	0	30.19	02	9.5	9.8	12	NE	0	0	10	10	12	
13	34	28	31	-6	32	34	0	2	6	.40	0	29.73	01	7.2	8.3	12	N	0	0	10	10	13	
14	49	30	40	3	33	25	0	2	6	0	0	29.54	26	10.4	13.2	22	N	211	36	9	7	14	
15	39	20	30	-7	16	35	0	0	0	0	0	30.20	25	3.8	6.5	12	NW	592	100	0	2	15	
16	51	26	39	1	21	26	0	0	0	0	0	30.22	21	4.5	7.8	13	SW	348	59	9	8	16	
17	56	30	43	-5	31	22	0	1	0	0	0	30.01	19	4.3	8.1	17	SW	166	28	10	7	17	
18	50	23	37	-1	25	28	0	0	0	0	0	29.92	34	10.1	13.1	27	NW	596	100	0	0	18	
19	28	17	23*	-15	13	42	0	0	0	0	0	30.16	36	3.1	7.5	12	N	315	53	10	8	19	
20	33	24	29	-9	30	35	0	1	6	1.03	0	29.71	16	3.4	4.0	8	S	0	0	10	10	20	
21	61	32	47	9	47	18	0	2	6	1.02	0	28.95	23	12.0	15.4	34	NW	182	30	9	10	21	
22	47	30	39	1	31	26	0	1	0	.06	0	29.55	26	10.3	11.2	21	W	419	70	5	5	22	
23	46	24	35	-3	30	30	0	0	0	0	0	29.89	13	5.0	5.6	11	W	438	73	8	6	23	
24	65	39	52	14	49	13	0	1	3	.72	0	29.20	17	6.1	13.5	20	W	79	13	9	9	24	
25	46	30	38	0	23	27	0	0	0	0	0	29.29	26	14.9	15.2	21	W	442	73	6	8	25	
26	51	30	41	3	25	24	0	0	0	0	0	29.51	30	10.4	10.8	18	NW	474	78	3	4	26	
27	50	28	39	1	31	26	0	0	0	0	0	29.49	32	4.3	6.0	9	N	506	83	2	4	27	
28	43	34	39	1	32	26	0	1	0	.21	0	29.25	28	10.7	11.2	22	NW	308	50	10	9	28	
29	53	33	43	5	26	22	0	0	0	0	0	29.49	29	12.9	13.7	25	NW	600	98	1	1	29	
30	46	25	36	-2	22	29	0	0	0	0	0	29.67	31	10.1	10.4	19	NW	616	100	0	0	30	
31	34	23	29	-9	25	36	0	0	0	.03	0	29.56	29	3.5	5.6	12	NW	50	8	10	7	31	

SUM	SUM	TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH		TOTAL		% FOR		SUM	
1424	835			876	0	6.16	.7	29.82	27	3.2	9.3	34	SW	9824		204	197
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION	DEP.				DATE: 21	POSSIBLE	MONTH	AVG.	AVG.	AVG.	AVG.
45.9	26.8	36.4	-1.1	28	23	0	0	14	3.30				18438	53	6.5	6.4	

NUMBER OF DAYS				TOTAL		TOTAL		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW,	
				THUNDERSTORMS	PRECIPITATION	SNOW, ICE PELLETS					ICE PELLETS ON ICE AND DATE		
0	4	26	0	-197	0	8	3	CLOUDY	19				

JANUARY 1979 RICHMOND, VIRGINIA

* 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. DO = 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

SUMMARY BY HOURS

HOUR	LOCAL TIME	SKY COVER TENS	AVERAGES							RESULTANT WIND	
			STATION PRESSURE	TEMPERATURE	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED	M.P.H.		
			AIR °F	WET BULB °F	DEW PT. °F						
01	6	29.83	34	32	29	83	8.4	25	3.5		
04	6	29.82	33	32	29	86	8.0	26	2.3		
07	7	29.83	33	32	29	87	8.0	25	1.7		
10	7	29.87	36	34	29	77	10.5	29	2.2		
13	6	29.81	41	36	29	66	11.3	27	4.7		
16	7	29.79	42	37	28	61	10.8	28	6.4		
19	7	29.81	38	35	29	72	8.3	27	2.4		
22	6	29.82	35	33	29	79	9.1	26	2.7		

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOUR	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			
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OBSERVATIONS AT 3-HOUR INTERVALS

Table with columns for Hour, Sky Cover, Visibility, Temperature, Wind, etc., organized in 12-hour intervals across 31 days.

NOTES CEILING UNL INDICATES UNLIMITED

- WEATHER * TORNAADO 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 SM SNOW SHOWERS SG SNOW GRAINS IP ICE PELLETS

WIND DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TERMS 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 78 01

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