

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°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 7 AM	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 JANUARY		WATER EQUIVALENT IN.	SNOW, ICE PELLETS IN.	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET
1	34	14	24	-13	4	41	0	0	0	29.78	30	10.4	11.9	18	NW	542	94	0	0
2	39	11	25	-12	12	40	0	0	0	30.06	32	3.2	3.9	6	NW	494	85	3	3
3	33	18	26	-11	21	39	0	.01	.1	29.99	07	2.2	2.5	7	NE	0	0	10	10
4	40	27	34	-3	26	31	0	0	0	29.85	36	9.7	9.9	9	N	0	1	10	10
5	31	24	28	-8	26	37	0	.17	2.9	29.89	02	4.8	5.6	8	N	0	0	10	10
6	32	22	27	-10	26	38	0	.10	1.0	29.91	01	.7	5.0	8	S	38	7	10	10
7	43	18	31	-6	23	34	0	.20	2.8	29.55	30	7.4	10.9	23	NW	412	71	5	6
8	35	9	22	-15	9	43	0	0	0	29.92	35	1.8	4.0	12	N	512	88	2	3
9	33	15	24	-13	21	41	0	.32	1.7	29.88	08	4.3	5.0	14	NE	5	3	10	9
10	43	18	31	-6	27	34	0	.51	0	30.04	25	8.2	11.8	24	NE	121	21	10	8
11	28	10	19	-18	5	46	0	0	0	30.14	28	6.7	9.5	19	NW	587	100	0	0
12	35	9	22	-15	7	43	0	0	0	30.14	28	6.7	9.5	19	NW	588	100	0	0
13	28	7	18	-19	6	47	0	0	0	30.30	01	1.2	4.3	10	N	532	80	0	3
14	33	25	29	-8	24	36	0	.73	0	29.80	19	2.5	5.6	8	SW	0	0	10	10
15	40	22	31	-6	30	34	0	0	0	29.65	34	3.5	4.2	9	N	365	62	8	15
16	32	3	18	-20	19	47	0	.10	1.8	29.68	31	7.3	9.6	28	NW	91	15	9	5
17	17	-1*	8*	-30	-6	57	0	2	0	29.67	26	9.5	10.5	16	SW	590	99	1	17
18	19	7	13	-25	-4	52	0	0	0	29.69	29	5.4	6.8	11	NW	539	90	6	4
19	31	0	16	-22	4	49	0	0	0	29.84	28	5.2	6.0	14	NW	597	100	0	0
20	36	10	23	-15	15	42	0	0	0	29.71	26	2.5	3.6	6	NW	448	75	10	5
21	36	16	26	-12	14	39	0	0	0	29.82	30	3.5	4.6	12	NW	302	50	6	4
22	35	18	27	-11	10	38	0	0	0	29.96	32	6.8	9.6	21	NW	529	88	2	21
23	35	7	21	-17	11	44	0	0	0	30.10	30	2.9	4.6	11	NW	448	74	7	6
24	37	23	30	-8	21	35	0	.08	.8	29.86	18	5.4	5.5	9	S	0	0	10	10
25	44	30	37*	-1	28	28	0	0	0	29.55	27	5.0	5.9	14	N	131	22	9	8
26	42	25	34	-4	20	31	0	0	0	29.56	23	9.6	10.5	17	SW	470	77	4	3
27	47	25	36	-2	24	29	0	0	0	29.47	24	10.1	11.4	19	N	364	60	8	8
28	55*	16	35	-2	26	29	0	0	0	29.45	21	5.1	11.4	29	NW	294	48	9	9
29	28	11	20	-19	3	45	0	0	0	29.69	26	12.3	12.8	18	SE	614	100	0	0
30	35	15	25	-13	10	40	0	0	0	29.75	25	11.6	12.1	20	SE	615	100	0	0
31	34	20	27	-11	4	38	0	0	0	29.79	25	10.8	11.2	18	N	554	90	2	3

JANUARY 1977 RICHMOND, VIRGINIA

USB FILE COPY

* 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 DUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

SUMMARY BY HOURS

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	DIR.				
01	4	29.80	22	20	14	71	7.1	28	3.8	
04	5	29.80	21	20	13	74	6.2	27	3.8	
07	5	29.81	20	19	13	75	5.3	26	3.3	
10	6	29.84	25	23	15	65	8.6	27	4.8	
13	5	29.78	32	27	16	54	9.4	27	6.7	
16	6	29.76	34	28	16	51	9.6	28	5.9	
19	5	29.79	28	25	16	63	7.4	28	3.6	
22	4	29.80	24	22	14	69	7.7	30	2.6	

SECOND COLDEST JANUARY. AVERAGE TEMP. FOR JAN. 1940 WAS 24.2

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8		.05	.05	.03	.02	.03	.01	.01	T															
9																								
10		.02	.05	.04	.06	.13	.13	.06	.01	.01	T													
11																								
12																								
13																								
14									.01	.01	.03	.06	.08	.07	.04	.03	.06	.08	.07	.04	.07	.04	T	
15		T																						
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24		T																						
25																								
26																								
27																								
28																								
29																								
30																								
31																								

SUBSCRIPTION PRICE: \$2.55 PER YEAR. FOREIGN MAILING \$1.85 EXTRA. SINGLE COPY: 20 CENTS FOR MONTHLY ISSUE. 20 CENTS FOR ANNUAL SUMMARY. OTHER DATA IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF ORIGINAL RECORDS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE, NOAA. SEND PAYMENTS, ORDERS, AND INQUIRIES TO NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

