

# Local Climatological Data

## MONTHLY SUMMARY



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

JANUARY 1980

RICHMOND, VIRGINIA

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. 177 FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE D 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.	DIRECTION	MINUTES	PERCENT OF POSSIBLE		SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	50	27	39	2	29	26	0	0	0	0	29.68	01	5.6	5.9	16	NE	351	61	8	6	1	2
2	49	30	40	3	27	25	0	0	0	0	29.74	35	7.2	7.9	16	N	579	100	0	1	2	3
3	45	23	34	-3	27	31	0	0	0	0	29.98	33	2.7	3.5	10	NW	224	39	7	5	3	4
4	41	32	37	0	33	28	0	1	4	8	29.94	04	6.6	7.5	17	N	0	0	10	10	4	5
5	33	27	30	-7	30	35	0	1	0	0	29.64	35	12.0	12.5	17	N	0	0	10	10	4	5
6	35	18*	27	-10	22	38	0	1	13	0	30.00	34	2.3	5.8	10	NE	581	100	0	2	6	7
7	45	19	32	-5	29	33	0	0	0	0	29.88	21	11.5	11.8	18	SW	93	16	10	9	7	8
8	46	34	40	3	31	25	0	1	5	0	30.02	04	2.1	3.6	10	NE	304	52	10	10	8	9
9	42	28	35	-2	30	30	0	0	0	0	30.13	02	3.3	3.5	7	N	4	1	10	8	9	9
10	41	24	33	-4	28	32	0	2	8	0	30.39	15	.9	2.3	6	SE	322	55	9	8	10	11
11	63*	33	48	11	43	17	0	1	8	2	29.94	20	2.3	5.8	18	SW	0	0	10	10	11	12
12	56	35	46	9	27	19	0	0	0	0	30.02	29	5.9	8.5	19	W	143	24	10	8	12	13
13	38	31	35	-2	21	30	0	0	0	0	30.26	04	9.9	9.6	13	NE	37	6	10	10	10	11
14	46	37	42	5	39	23	0	1	0	0	29.85	36	10.7	11.1	15	N	0	0	10	10	14	15
15	60	40	50	13	43	15	0	1	0	0	29.98	36	12.6	12.7	19	N	508	86	1	4	15	16
16	59	34	47	9	31	18	0	0	0	0	30.09	01	4.9	5.5	9	N	461	18	8	6	16	17
17	48	35	42	4	38	23	0	0	0	0	30.07	10	3.5	4.2	9	SE	45	8	10	10	17	18
18	48	43	46	8	45	19	0	1	8	0	29.92	10	2.5	6.8	11	NW	0	0	10	10	17	18
19	54	32	43	5	35	22	0	0	0	0	30.00	35	7.9	7.8	17	N	597	130	0	0	19	20
20	57	30	44	6	32	21	0	0	0	0	30.01	35	1.5	4.0	12	NW	348	58	7	5	20	21
21	51	26	39	1	26	26	0	0	0	0	29.92	21	1.9	3.5	15	NW	502	84	3	3	21	22
22	53	35	44	6	38	21	0	1	0	0	29.63	19	8.0	8.2	13	S	0	0	10	10	21	22
23	51	29	40	2	35	25	0	1	8	0	29.33	31	3.1	7.9	22	NW	49	8	9	7	23	24
24	41	22	32	-6	17	33	0	0	0	0	29.49	26	7.1	10.2	22	NW	329	54	5	4	24	25
25	62	39	51*	13	35	14	0	0	0	0	29.45	23	5.9	7.2	17	W	327	54	9	9	25	26
26	49	35	42	4	30	23	0	0	0	0	29.84	03	4.4	6.0	10	NE	583	96	10	9	26	27
27	45	33	39	1	24	26	0	0	0	0	29.90	02	5.6	7.3	10	NE	397	65	9	10	27	28
28	53	31	42	4	26	23	0	0	0	0	29.90	35	1.2	3.5	11	NE	445	73	6	7	28	29
29	42	29	36	-2	26	29	0	0	0	0	29.97	02	3.5	5.2	18	NE	188	31	10	9	29	30
30	34	24	29	-9	11	36	0	0	0	0	30.12	31	9.6	10.5	20	N	344	56	9	9	30	31
31	30	20	25*	-13	19	40	0	2	0	0	29.89	32	9.2	10.1	20	NW	431	70	9	7	31	32

SUM	SUM			TOTAL		TOTAL		TOTAL		FOR THE MONTH:		TOTAL		%		SUM		SUM	
1467	935			806		0		6.05		16.6		29.90		34		2.9		7.1	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	NUMBER OF DAYS		PRECIPITATION		DATE: 24*		DATE: 24*		DATE: 24*		DATE: 24*		DATE: 24*	
47.3	30.2	38.8	1.3	30	-4.7	0		3.19		10		3.19		10		18439		44	

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.	TOTAL	TOTAL	THUNDERSTORMS	PRECIPITATION	SNOW, ICE PELLETS	SNOW, ICE PELLETS	PRECIPITATION	SNOW, ICE PELLETS	PRECIPITATION	SNOW, ICE PELLETS	PRECIPITATION	SNOW, ICE PELLETS	PRECIPITATION	SNOW, ICE PELLETS
59.0	< 32	2107	0	0	1	18	13	1	1	1	1	1	1	1	1
0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0

\* 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

### SUMMARY BY HOURS

HOUR	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
			AIR °F	NET BULB °F	DEW PT. °F	WIND DIR.				
01	6	29.90	36	34	31	82	6.3	34	3.2	
04	6	29.90	35	33	29	82	6.1	33	3.3	
07	7	29.91	34	33	29	83	6.3	35	2.7	
10	8	29.95	38	35	29	72	6.3	35	3.1	
13	8	29.89	43	38	29	60	8.5	32	3.0	
16	7	29.87	44	39	30	60	7.9	34	3.1	
19	7	29.89	40	37	31	71	6.2	36	2.6	
22	7	29.91	38	35	30	76	6.6	35	2.7	

### 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																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																											
31																											

SUBSCRIPTION PRICE: \$3.30 PER YEAR INCLUDING ANNUAL SUMMARY. FOREIGN MAILING \$1.95 EXTRA. SINGLE COPY: 20 CENTS FOR MONTHLY ISSUE, 30 CENTS FOR MONTHLY SUMMARY. THERE IS A MINIMUM CHARGE OF \$3.00 FOR EACH ORDER OF SHELF-STOCKED ISSUES OF PUBLICATIONS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE, NOAA. SEND PAYMENTS, ORDERS, AND INQUI

