

DECEMBER 1976
 RICHMOND, VIRGINIA
 NATIONAL WEATHER SERVICE OFC
 R.E. BYRD INTERNATIONAL AP.

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 ON ICE ON GROUND BY 07AM IN.	PRECIPITATION		AVG. STATION PRES- SURE IN. ELEV. 177 FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE	
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN POINT	HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON ENDS WITH JANU- RY)	1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 DRIZZLE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW			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	39	23	26	-17	15	39	0			0	0	0	30.23	16	4.5	4.8	10	SW	587	100	0	1	1
2	56	23	40	-3	19	25	0			0	0	0	29.93	28	6.7	10.6	19	NW	561	96	0	1	2
3	31	16	24	-18	8	41	0			0	0	0	30.24	04	5.0	6.6	14	NE	584	100	0	0	3
4	49	14	32	-10	20	33	0			0	0	0	30.16	19	3.1	3.3	10	SW	524	90	0	1	4
5	47	23	35	-7	26	30	0			0	0	0	30.26	03	6.7	7.2	12	NE	582	100	0	0	5
6	51	22	37	-4	33	28	0			0	0	0	30.17	05	5.3	6.8	12	E	352	61	0	0	6
7	59	41	50	8	50	15	0			0	0	0	29.54	16	2.1	7.6	18	S	0	0	10	10	7
8	42	15	29	-11	26	36	0			0	0	0	29.77	36	11.1	12.1	18	N	19	3	10	7	8
9	41	13	27	-13	20	38	0			0	0	0	30.35	23	4.0	5.6	9	SW	579	100	0	0	9
10	57	25	41	1	30	24	0			0	0	0	30.32	19	7.3	7.6	13	SW	482	83	6	6	10
11	60	44	52	12	44	13	0			0	0	0	30.09	17	2.9	5.9	10	SW	37	6	10	10	11
12	62	46	54	15	53	11	0			0	0	0	29.76	22	5.3	5.5	11	SW	10	2	10	10	12
13	57	33	40	1	22	25	0			0	0	0	30.00	35	7.8	10.6	18	NW	478	83	6	6	13
14	42	17	30	-8	18	35	0			0	0	0	30.32	20	4.9	4.9	11	SW	576	100	0	1	14
15	47	28	38	-1	33	27	0			0	0	0	29.93	28	6.0	6.0	18	N	0	0	0	0	15
16	48	38	43	8	40	22	0			0	0	0	29.20	28	6.0	3.3	9	N	18	0	0	0	16
17	56	31	44	8	28	21	0			0	0	0	29.50	25	6.9	10.4	20	SW	517	80	0	0	17
18	52	34	38	0	25	27	0			0	0	0	29.96	28	1.9	3.0	9	NW	575	100	1	0	18
19	62	25	44	6	35	21	0			0	0	0	29.81	19	4.6	5.6	12	SW	275	48	8	5	19
20	59	42	51	13	46	14	0			0	0	0	29.45	21	5.9	8.5	17	NW	5	1	10	8	20
21	42	18	30	-8	10	35	0			0	0	0	29.61	30	15.9	16.1	26	NW	484	84	4	3	21
22	36	15	26	-12	8	39	0			0	0	0	30.02	23	6.5	7.9	11	W	504	88	3	4	22
23	48	26	37	0	17	28	0			0	0	0	29.74	24	8.3	10.2	21	W	464	81	2	3	23
24	35	18	27	-10	9	38	0			0	0	0	30.04	33	4.8	6.8	18	NW	574	100	1	1	24
25	47	19	33	-4	20	32	0			0	0	0	29.87	20	6.3	7.1	13	SW	235	41	8	6	25
26	48	34	41	4	31	24	0			0	0	0	29.39	31	4.4	8.3	20	NW	337	59	5	7	26
27	38	27	33	-4	14	34	0			0	0	0	29.51	29	8.9	12.2	24	NW	573	100	2	2	27
28	61	34	48	11	30	17	0			0	0	0	29.25	23	9.5	9.6	24	SW	256	44	10	9	28
29	43	26	35	-2	28	30	0			0	0	0	29.36	35	4.8	8.2	20	NW	87	15	9	7	29
30	42	13	28	-9	10	37	0			0	0	0	29.71	21	8.0	10.5	16	SW	576	100	1	2	30
31	48	17	33	-4	20	32	0			0	0	0	29.55	01	4.3	10.4	19	NE	268	46	6	5	31
SUN	SUN					TOTAL	TOTAL			TOTAL	TOTAL		FOR THE MONTH				TOTAL		SUN	SUN			
1505	770					869	0			2.58	1.7	29.86	26	2.4	7.8	26	NW	1118	FOR 157	139			
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.				DEP.							DATE	21	POSSIBLE	MONTH	AVG.	AVG.	
48.5	24.8	36.7	-2.3	25	63	0				-0.66								1780.5	62	5.1	4.5		
NUMBER OF DAYS						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											
MAXIMUM TEMP. 5 90						TOTAL 1977	THUNDERSTORMS 0	PRECIPITATION 1.18				SNOW, ICE PELLETS 1.7											
MINIMUM TEMP. 2 32						TOTAL 1395	HEAVY FOG 0	PRECIPITATION 7-8				SNOW, ICE PELLETS 8											
DEP. 24						TOTAL 367	CLEAR 14	PARTLY CLOUDY 4				CLOUDY 13											

♦ 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

HOUR	LOCAL TIME	SKY COVER TENTHS	AVERAGES				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.
			STATION PRESSURE IN.	TEMPERATURE AIR °F	WET BULB °F	DEW PT. °F				
01	4	29.85	33	31	25	76	6.9	27	2.2	
02	4	29.86	31	29	24	78	6.6	28	1.9	
03	4	29.87	30	28	23	78	7.0	30	2.9	
04	5	28.91	37	33	25	64	9.2	27	2.8	
05	5	29.84	43	37	26	54	10.5	26	3.8	
06	5	29.82	44	38	26	52	9.2	25	3.0	
07	5	29.84	38	34	26	66	6.3	22	2.0	
08	4	29.85	39	32	26	71	7.0	25	2.3	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOUR	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	.10	T	.08	.01	.07	.09	.09	.20	.22	.13	.07	.02	.01	T	.01	.01	T						.05	
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16	.01	T		T																				
17																								
18																								
19																								
20											.03		.09	.01	.03	.01	.03	.02	.01	.10	.01	T	T	
21																								
22																								
23																								
24																								
25																								
26	.05	.06	.04	.05	.02																			
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, MICROFORM, OR PAPER COPIES OF ORIGINAL RECORDS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE. NORM. 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.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE

Daniel B. Mitchell
 DIRECTOR, NATIONAL CLIMATIC CENTER

DECEMBER 1976 RICHMOND, VIRGINIA

USB FILE COPY

