



LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

RICHMOND, VIRGINIA
NATIONAL WEATHER SERVICE OFC
R.E. BYRD INTERNATIONAL AP.
APRIL 1974

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

USNS COPY

DATE	TEMPERATURE °F								WEATHER TYPES ON DATES OF OCCURRENCE	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		DATE
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	DEGREE DAYS BASE 65°		WATER EQUIVALENT IN.			SNOW-ICE PELLETS IN.	RESULTANT DIRECTION		RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE	HOURS AND TENTHS	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	74	40	57	4	40	8	0			0	0	29.67	13	5.6	6.2	12	S	10.0	79	8	8	1
2	78	54	66	13	51	0	1	1		0	.06	29.60	23	8.5	11.5	22	SW	7.8	61	8	8	2
3	82	53	68	15	53	0	3		8	0	0	29.74	16	6.8	8.6	17	SW	8.3	65	7	7	3
4	73	54	69	15	61	0	4	3		0	.35	29.68	21	8.9	10.4	27	NW	1.0	8	10	10	4
5	72	47	60	6	57	5	0			0	.09	29.56	19	4.7	12.9	24	SW	1.2	9	10	10	5
6	55	34	45*	-10	30	20	0	1		0	T	29.72	31	7.8	8.1	21	NW	7.3	57	8	6	6
7	66	27*	47	-6	26	18	0			0	0	29.96	18	6.4	6.8	17	SW	10.8	85	5	5	7
8	63	50	57	-6	46	8	0	1		0	.34	29.75	18	7.3	8.5	14	SW	0.0	0	10	10	8
9	57	39	48	-6	45	17	0	1		0	.07	29.55	33	7.1	9.2	18	NW	0.1	1	10	10	9
10	59	34	47	-6	24	18	0			0	0	29.97	31	8.2	8.9	20	NW	13.0	100	0	0	10
11	68	31	50	-6	32	15	0			0	0	30.22	16	4.5	5.0	10	SE	12.6	97	6	5	11
12	78	47	63	6	47	2	0			0	0	30.05	20	12.2	12.9	24	SW	10.3	78	8	6	12
13	80	60	70	13	59	0	0	1	8	0	.04	29.86	21	9.0	9.8	19	SW	5.3	40	10	9	13
14	86	63	75	17	64	0	10	1	8	0	T	29.66	20	9.5	9.8	23	SW	7.1	54	9	8	14
15	76	54	65	4	43	0	0			0	0	29.57	28	12.3	14.1	23	W	9.9	75	8	8	15
16	67	40	54	-4	34	11	0		8	0	0	29.84	31	5.3	8.1	17	N	12.8	97	4	3	16
17	72	38	55	-4	36	10	0	1	8	0	0	29.94	02	2.0	6.6	9	NE	10.7	81	3	3	17
18	76	44	60	1	35	5	0			0	0	29.87	29	5.5	8.8	13	W	12.7	95	1	3	18
19	75	43	59	0	39	6	0		8	0	0	29.89	34	5.6	9.9	20	N	9.2	69	9	6	19
20	71	37	54	-5	34	11	0	1		0	0	30.20	09	1.7	6.5	10	S	13.4	100	0	0	20
21	80	38	59	-1	39	6	0			0	0	30.14	21	8.4	8.6	17	SW	13.1	98	6	5	21
22	82	59	71	11	53	0	6	1	8	0	T	29.83	22	14.5	15.0	26	SW	9.0	67	7	8	22
23	76	50	63	3	47	2	0	1	8	0	.63	29.58	29	10.9	13.4	24	N	8.2	61	5	6	23
24	56	38	47	-14	35	18	0			0	0	29.80	33	8.6	9.9	18	N	5.4	40	8	7	24
25	66	41	54	-7	31	11	0			0	0	29.99	36	9.1	10.5	18	NW	10.7	79	4	4	25
26	75	35	55	-6	35	10	0			0	0	29.88	31	2.5	5.5	13	NW	12.4	91	2	2	26
27	77	46	62	1	38	3	0			0	0	30.08	09	2.5	4.9	10	SE	13.6	100	0	0	27
28	90	45	68	6	46	0	3			0	0	30.05	21	6.2	6.6	12	SW	12.9	95	6	5	28
29	94*	64	79*	17	54	0	14			0	0	29.89	24	7.8	8.6	15	SW	12.1	88	5	6	29
30	93	64	77	15	57	0	12	1	8	0	0	29.75	23	4.9	6.8	15	SW	13.5	99	1	1	30

SUM	SUM	TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH				TOTAL		%		SUM	SUM	
2217	1375	204		58		1.58		0		29.84	24	3.6	9.1	27	NW	274.9	FOR	176	169	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	
73.9	45.8	59.9	2.1	43	-22	48	>.01 INCH	7	-1.19								395.0	69	5.9	5.6

NUMBER OF DAYS		TOTAL		TOTAL		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW.		
MAXIMUM TEMP.	MINIMUM TEMP.	3265	68	THUNDERSTORMS	PRECIPITATION	SNOW, ICE PELLETS	ICE PELLETS OR ICE AND DATE			
> 90 ° F	< 32 ° F	0	2	0	.63	22-23	0			
3	0	2	0	50	CLEAR	7	PARTLY CLOUDY	10	CLOUDY	13

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																									1	
2																										2
3																										3
4																										4
5																										5
6																										6
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29																										29
30																										30

* EXTREME TEMPERATURES FOR THE MONTH. MAY BE THE LAST OF MORE THAN ONE OCCURRENCE.
 - BELOW ZERO TEMPERATURE OR NEGATIVE DEPARTURE FROM NORMAL.
 * TO AT ALASKAN STATIONS.
 + ALSO ON AN EARLIER DATE, OR DATES.
 X HEAVY FOG RESTRICTS VISIBILITY TO 1/4 MILE OR LESS.
 T IN THE HOURLY PRECIPITATION TABLE AND IN COLUMNS 9, 10, AND 11 INDICATES AN AMOUNT TOO SMALL TO MEASURE.

THE SEASON FOR DEGREE DAYS BEGINS WITH JULY FOR HEATING AND JANUARY FOR COOLING.
 DATA IN COLUMNS 6, 12, 13, 14, AND 16 ARE BASED ON 8 OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.
 WIND DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. RESULTANT WIND IS THE VECTOR SUM OF WIND DIRECTIONS AND SPEEDS DIVIDED BY THE NUMBER OF OBSERVATIONS.
 FIGURES FOR DIRECTIONS ARE TENS OF DEGREES FROM TRUE NORTH: I.E., 09-EAST, 18-SOUTH, 27-WEST, 36-NORTH, AND 00-CALM. WHEN DIRECTIONS ARE IN TENS OF DEGREES IN COL. 17, ENTRIES IN COL. 16 ARE FASTEST OBSERVED 1-MINUTE SPEEDS. IF THE / APPEARS IN COL. 17, SPEEDS ARE GUSTS.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

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William H. Haggard

DIRECTOR, NATIONAL CLIMATIC CENTER

SUMMARY BY HOURS

HOUR LOCAL TIME	SKY COVER TENTHS	AVERAGES					RESULTANT WIND		
		STATION PRESSURE IN.	TEMPERATURE	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.		
01	5	29.85	53	48	43	69	7.3	22	3.3
04	5	29.84	51	47	43	76	6.7	22	2.8
07	6	29.88	54	49	45	73	7.1	25	3.6
10	6	29.88	64	54	43	50	10.9	25	5.1
13	5	29.84	70	56	42	41	11.7	26	7.5
16	6	29.80	71	56	42	40	10.8	26	4.8
19	6	29.82	64	53	43	49	9.2	20	1.7
22	6	29.85	57	50	43	61	8.9	19	2.9

