



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.
MARCH 1974

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

DATE	TEMPERATURE °F								HEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG X 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		AVD. STATION PRESSURE IN. ELEV. FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING DEGREE DAYS BASE 65°	COOLING	WATER EQUIVA- IN.			SNOW, ICE IN.	RESULTANT DIRECTION		RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	HOURS AND TENTHS	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT					
1	68	40	54	12	29	11	0	0	0	0	0	0	0	29.87	26	5.6	8.8	22	W	8.9	78	7	7	1	
2	76	35	56	14	41	9	0	0	8	0	0	0	0	29.85	18	3.3	5.6	16	SW	7.1	62	9	8	2	
3	79	44	62	19	48	3	0	0	0	0	0	0	0	29.84	21	7.2	8.3	17	SW	10.0	87	10	8	3	
4	81	60	71*	28	48	0	0	0	0	0	0	0	0	29.77	21	13.3	13.7	24	SW	11.5	100	8	9	4	
5	76	58	67	24	51	0	0	0	0	0	0	0	0	29.71	24	10.8	13.2	22	SW	5.3	45	10	9	5	
6	61	50	56	12	48	9	0	0	0	0	0	0	0	29.91	13	2.3	6.8	13	E	0.0	0	10	10	6	
7	83	45	64	20	53	1	0	1	8	0	0	0	0	29.84	25	5.4	6.2	16	W	7.9	68	6	5	7	
8	84*	50	67	23	51	0	0	2	1	0	0	0	0	29.91	12	4.0	6.0	15	E	9.1	78	7	6	8	
9	58	44	51	7	43	14	0	1	1	0	0	0	0	29.85	05	2.8	9.2	14	NE	2.8	24	10	10	9	
10	71	42	57	12	33	8	0	0	2	0	0	0	0	29.88	36	7.3	8.8	23	NE	6.8	58	8	7	10	
11	47	34	41	-4	28	24	0	1	1	0	0	0	0	30.09	06	2.1	5.0	8	E	1.3	11	10	10	11	
12	44	32	38	-7	35	27	0	1	1	0	0	0	0	29.78	03	6.3	7.2	15	NE	0.2	2	10	10	12	
13	46	25	36	-10	17	29	0	1	0	0	0	0	0	29.84	35	10.7	11.2	25	NH	11.8	100	3	2	13	
14	55	27	41	-5	17	24	0	0	0	0	0	0	0	29.87	33	6.9	7.5	16	NH	11.9	100	0	0	14	
15	66	23	45	-1	25	20	0	0	0	0	0	0	0	29.99	17	6.0	6.0	17	SW	11.9	100	7	5	15	
16	59	40	50	-3	44	15	0	0	23	0	1.03	0	0	29.84	20	5.1	11.9	35	SW	0.0	0	10	9	16	
17	55	36	46	-1	23	19	0	0	0	0	0	0	0	29.58	29	14.3	15.2	28	NH	10.7	89	6	5	17	
18	58	34	46	-1	22	19	0	0	0	0	0	0	0	29.69	26	9.6	10.9	16	W	12.0	100	0	0	18	
19	73	41	57	9	42	8	0	0	0	0	0	0	0	29.52	23	7.9	10.9	18	W	5.0	41	10	9	19	
20	57	41	49	1	38	16	0	1	0	0	0.06	0	0	29.76	04	8.1	8.8	17	NE	0.4	3	10	10	20	
21	65	40	53	9	40	12	0	1	3	0	0.42	0	0	29.50	30	5.0	10.8	25	SW	5.6	46	8	7	21	
22	54	29	42	-7	24	23	0	0	0	0	0	0	0	29.82	10	1.2	7.1	10	SE	10.8	89	1	1	22	
23	65	29	47	-2	37	18	0	1	0	0	0	0	0	29.88	15	3.5	7.6	8	SE	7.9	64	8	7	23	
24	67	36	52	2	41	13	0	1	0	0	0	0	0	29.78	32	4.4	11.2	17	NE	9.2	75	8	7	24	
25	40	25	33*	-17	10	32	0	0	0	0	0	0	0	30.25	05	7.5	9.8	15	N	3.8	31	9	5	25	
26	63	21*	42	-8	28	23	0	1	0	0	0	0	0	30.05	23	7.8	8.5	17	W	10.8	88	5	5	26	
27	65	35	50	-1	36	15	0	1	0	0	0	0	0	30.03	08	9	7.8	12	S	9.7	78	9	8	27	
28	70	43	57	6	43	8	0	0	0	0	0	0	0	29.84	08	4.4	9.2	16	NE	9.7	78	6	7	28	
29	48	41	45	-7	37	20	0	1	0	0	0	0	0	29.67	04	11.0	11.5	18	N	0.0	0	10	10	29	
30	48	38	43	-9	41	22	0	0	23	5	0	0	0	29.26	33	5.6	7.6	16	SW	0.6	5	10	10	30	
31	62	41	52	0	36	13	0	2	0	0	0	0	0	29.41	29	9.1	10.2	23	NH	8.2	73	5	5	31	
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH	FOR THE MONTH
1944	1178				455	10			NUMBER OF DAYS	3.79	T	29.81	28	1.7	9.0	35	5W	211.8		230	212				
AVG.	AVG.	AVG.	AVG.	AVG.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.									DATE: 16	POSSIBLE MONTH	AVG.	AVG.				
62.7	38.0	50.4	3.5	36	-114	2		>.01 INCH	6	0.41								370.8	57	7.4	6.8				
SEASON TO DATE												SNOW, ICE PELLETS > 1.0 INCH				GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, THUNDERSTORMS					
NUMBER OF DAYS												3061				PRECIPITATION				SNOW, ICE PELLETS					
MAXIMUM TEMP. < 32°												0				29-30				ICE PELLETS ON ICE AND DATE					
MINIMUM TEMP. < 0°												-588				CLEAR 4				PARTLY CLOUDY 8 CLOUDY 19					

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
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6																									6
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30																									30
31																									31

* EXTREME TEMPERATURES FOR THE MONTH. MAY BE THE LAST OF MORE THAN ONE OCCURRENCE.
 - BELOW ZERO TEMPERATURE OR NEGATIVE DEPARTURE FROM NORMAL.
 * = 70° 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 15 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. 18 ARE FASTEST OBSERVED 1-MINUTE SPEEDS. IF THE / APPEARS IN COL. 17, SPEEDS ARE QUITS.
 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	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.	RESULTANT WIND
			AIR °F	WET BULB °F	DEW PT. °F	WIND					
01	6	29.81	45	41	35	71	8.1	27	1.8		
04	6	29.80	42	39	35	77	7.0	27	1.3		
07	7	29.83	42	38	35	77	7.4	26	1.1		
10	7	29.84	51	45	37	61	10.2	30	2.6		
13	8	29.80	58	48	37	50	11.1	29	4.4		

