



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.
 FEBRUARY 1974

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 154 FT. STANDARD TIME USED: EASTERN WBAN #13740

U.S. COPY

DATE	TEMPERATURE °F								WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG X 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SNOW, HAZE 9 BLOWING SNOW	SNOW-ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRESSURE IN. ELEV. FEET M.S.L. 177	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 R.P.H.	AVERAGE SPEED R.P.H.	FASTEST SPEED R.P.H.	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	55	34	45	7	21	20	0		0	0	0	29.89	10	2.5	7.3	12	17	10.3	100	7	3	1
2	53	40	52	14	45	13	0	1	8	0	0	29.59	18	4.3	6.8	13	SW	0.2	2	10	10	2
3	44	33	39	1	35	26	0	1	0	0	0	29.63	01	9.1	9.2	17	NE	0.0	0	10	10	3
4	42	27	35	-3	26	30	0	1	8	0	0	29.76	35	7.5	9.3	17	NE	5.7	55	7	7	4
5	40	20	30	-8	14	35	0	0	0	0	0	30.07	32	3.5	9.0	12	N	10.5	100	1	1	5
6	44	23	34	-4	29	31	0	1	8	0	0	29.99	15	2.8	4.6	10	N	1.8	17	10	10	6
7	59	37	48	10	43	17	0	1	8	0	0	29.64	34	1.7	9.5	17	NE	0.0	0	10	10	7
8	37	25	31	-7	23	34	0	0	4	0	0	29.61	01	8.2	9.1	16	N	0.0	0	10	10	8
9	37	19	29	-19	18	36	0	0	8	0	0	29.80	32	4.0	9.5	14	N	10.6	100	10	10	9
10	37	20	28*	-11	18	37	0	0	8	0	0	29.90	21	3.2	6.5	14	SW	8.6	81	6	6	10
11	42	29	36	-3	18	29	0	0	8	0	0	29.76	29	6.5	9.1	21	NW	9.0	84	4	4	11
12	56	28	42	0	22	23	0	0	8	0	0	29.87	21	6.3	7.8	10	SW	10.7	100	4	4	12
13	69	34	52	13	30	13	0	0	8	0	0	29.75	21	10.3	10.6	17	SW	10.8	100	9	9	13
14	62	39	51	12	39	14	0	1	4	6	8	29.79	08	2.5	7.8	13	SW	1.0	8	10	10	14
15	42	25	34	-5	22	31	0	1	4	6	8	30.04	03	8.8	9.5	15	NE	3.5	32	7	7	15
16	35	25	30	-9	27	35	0	1	4	6	8	29.76	02	8.4	8.8	17	N	0.0	0	10	10	16
17	53	26	40	0	26	25	0	1	0	0	0	29.56	33	8.9	10.2	15	N	10.9	100	0	0	17
18	50	24	37	-3	21	28	0	0	0	0	0	29.79	11	3.8	6.5	9	N	10.8	100	8	8	18
19	61	39	50	10	42	15	0	1	8	0	0	29.42	18	10.3	10.8	17	SE	0.0	0	10	10	19
20	62	33	48	8	35	17	0	0	0	0	0	29.61	30	8.8	10.9	19	SW	10.8	99	2	2	20
21	60	28	44	4	29	21	0	0	0	0	0	30.08	11	4.2	7.2	12	SE	9.6	86	6	6	21
22	71*	46	59*	19	47	6	0	2	0	0	0	29.42	22	12.6	16.5	33	SW	5.2	47	7	7	22
23	57	34	46	5	21	19	0	0	0	0	0	29.78	26	9.5	10.4	23	N	11.1	100	4	4	23
24	57	30	44	3	28	21	0	0	0	0	0	29.90	09	6.5	7.3	11	E	10.8	97	8	8	24
25	40	26	33	-8	26	32	0	1	8	0	0	29.78	34	10.8	11.2	18	N	0.8	8	10	10	25
26	41	16	30	-11	10	35	0	0	0	0	0	30.14	33	7.3	7.9	17	NW	11.3	100	0	0	26
27	51	17*	34	-8	16	31	0	0	0	0	0	30.23	18	3.9	4.8	12	SW	10.4	92	3	3	27
28	66	30	48	6	22	17	0	0	0	0	0	30.02	21	8.4	9.6	19	SW	10.0	88	7	7	28

SUM	SUM	TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH:				TOTAL		%	SUM	SUM			
1433	810	691		0		PRECIPITATION		2.54		5.0		29.81		30		175		169			
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION		DEP.		DATE: 22		DATE: 22		POSSIBLE MONTH		AVG.		AVG.			
51.2	28.9	40.1	0.7	27	-26	0.01 INCH		9		-0.47				302.7		61		6.3		6.0	

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	T	T	T																						3
4																									4
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RICHMOND, VIRGINIA

* EXTREME TEMPERATURES FOR THE MONTH MAY BE THE LAST OF MORE THAN ONE OCCURRENCE.
 - BELOW ZERO TEMPERATURE OR NEGATIVE DEPARTURE FROM NORMAL.
 * * * 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: 1-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 GUSTS.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE INDICATED IN THE ANNUAL SUMMARY.

SUBSCRIPTION PRICE: LOCAL CLIMATOLOGICAL DATA \$2.00 PER YEAR INCLUDING ANNUAL ISSUE IF PUBLISHED. FOREIGN MAILING 76¢ EXTRA. SINGLE COPY: 20¢ FOR MONTHLY ISSUE; 15¢ FOR ANNUAL SUMMARY. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE, NOAA. SEND PAYMENTS AND ORDERS 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.
William H. Haggard
 DIRECTOR, NATIONAL CLIMATIC CENTER

SUMMARY BY HOURS

HOUR	LOCAL TIME	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	WIND CHILL °F				
01	6	29.81	36	33	27	71	7.8	30	1.1		
04	6	29.80	35	32	26	73	7.6	34	1.9		
07	5	29.83	33	30	26	77	7.4	28	.7		
10	7	29.86	41	36	27	61	8.4	33	2.4		
13	7	29.80	46	39	28	53	9.9	27	3.9		
16	6	29.76	49	40	27	48	9.9	27	2.7		
19	6	29.79	42	36	28	61	8.2	04	.8		
22	6	29.81	38	34	26	66	8.1	31	.2		

NOTICE: CLIMATOLOGICAL NORMALS BASED ON THE PERIOD 1941-1970 ARE EFFECTIVE AS FOLLOWS
 HEATING DEGREE DAYS - JULY 1, 1973
 COOLING DEGREE DAYS, TEMPERATURE, AND PRECIPITATION - JANUARY 1, 1974

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SWY COVER				VISI-BILITY	TEMPERATURE				WIND	SWY COVER				VISI-BILITY	TEMPERATURE				WIND												
	LEADING	CEILING	INDS OF FL.	MILES		AIR °F	NET BULB °F	DEW PT. °F	REL. HUM. %		DIR	SPEED KNOTS	LEADING	CEILING		INDS OF FL.	MILES	AIR °F	NET BULB °F		DEW PT. °F	REL. HUM. %	DIR	SPEED KNOTS								
01	0	UNL	10	10		50	43	35	57	26	6	7	80	10		41	37	30	65	16	7	10	3	2			41	41	40	96	36	8

NOTES

CEILING COLUMN-
UNL INDICATES AN UNLIMITED
CEILING

WEATHER COLUMN-

- * TORNADO
- T THUNDERSTORM
- O SQUALL
- R RAIN
- RM RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SP SNOW PELLETS
- IC ICE CRYSTALS
- SW SNOW SHOWERS
- SG SNOW GRAINS
- IP ICE PELLETS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- D DUST

WIND COLUMNS-

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TENS OF DEGREES FROM TRUE NORTH; I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.

SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

ADDITIONAL DATA

OTHER OBSERVATIONAL DATA CONTAINED IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF THE ORIGINAL RECORDS. INQUIRIES AS TO AVAILABILITY AND COSTS SHOULD BE ADDRESSED TO: DIRECTOR, NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

STATION: RICHMOND VA

YEAR & MONTH: 74 02

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