



LOCAL CLIMATOLOGICAL DATA

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

RICHMOND, VIRGINIA
 NATIONAL WEATHER SERVICE BFC
 R.E. BYRD INTERNATIONAL AP.
 OCTOBER 1974

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

DATE	TEMPERATURE °F							WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUST/STORM 8 SMOKE, HAZE 9 BLOWING SNOW	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	
	7A	7B	7A	7B		HEATING	COOLING			IN	IN.		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
1	69	41	55	-10	42	10	0	0	0	0	29.88	34	2.5	4.3	11	W	11.8	100	1	0	1
2	61	40	51	-13	36	14	0	0	0	0	30.03	36	7.5	7.6	16	NW	6.0	51	7	5	2
3	54	31	43	-21	28	22	0	0	0	0	30.23	34	9.4	9.8	21	NW	9.4	80	5	3	3
4	61	28	45	-19	28	20	0	0	0	0	30.28	35	2.2	5.2	11	N	11.7	100	0	0	4
5	73	33	53	-10	35	12	0	0	0	0	30.26	16	3.8	3.9	8	SW	11.7	100	0	0	5
6	78	37	58	-5	43	7	0	0	0	0	30.14	16	2.4	3.3	8	SE	11.6	100	0	1	6
7	80	43	62	0	48	3	0	0	0	0	29.80	01	4.5	9.6	17	NE	10.8	93	2	2	7
8	64	36	50	-12	37	15	0	0	0	0	29.80	02	7.6	9.1	14	N	11.5	100	1	1	8
9	68	34	52	-10	37	13	0	0	0	0	29.89	03	2.5	3.9	6	NE	11.5	100	1	0	9
10	74	36	55	-6	41	10	0	0	0	0	29.95	26	1.3	3.0	10	S	11.5	100	0	0	10
11	78	41	60	-1	45	5	0	1	8	0	30.08	03	2.2	3.7	8	W	11.4	100	0	0	11
12	80	43	62	1	50	3	0	1	8	0	30.08	21	4.5	4.8	17	SW	8.1	71	9	7	12
13	78	55	67	1	56	0	2	1	8	0	30.04	08	3.4	4.9	11	NE	4.7	42	8	9	13
14	80	61	71	11	58	0	6	1	8	0	30.01	18	4.5	5.9	13	SW	6.0	53	9	9	14
15	84*	60	72*	12	61	0	7	1	8	0	29.90	21	6.3	8.1	17	SW	5.9	52	9	9	15
16	65	48	57	-2	56	8	0	1	8	0	29.70	35	5.7	6.6	16	NW	0.1	1	10	9	16
17	71	40	56	-3	46	9	0	1	8	0	29.77	23	3.7	5.6	11	SW	11.1	99	0	0	17
18	64	43	54	-4	38	11	0	0	0	0	29.82	02	7.2	7.5	19	N	9.3	83	3	4	18
19	52	33	43	-15	29	22	0	0	0	0	29.82	04	5.8	7.2	14	N	5.7	51	6	6	19
20	52	28	40	-18	25	25	0	0	0	0	30.04	33	4.7	6.2	15	NW	2.3	21	7	5	20
21	51	27	39*	-18	20	26	0	0	0	0	30.41	35	7.3	7.6	17	NW	11.0	100	0	0	21
22	67	24*	46	-11	25	19	0	0	0	0	30.41	22	2.9	3.7	10	SW	11.0	100	0	0	22
23	74	28	51	-6	30	14	0	0	0	0	30.13	03	1.8	3.6	7	N	11.0	100	0	0	23
24	61	52	57	1	41	8	0	0	0	0	30.10	05	3.0	4.5	8	NE	0.4	4	10	9	24
25	78	50	64	8	49	1	0	1	8	0	29.99	22	5.3	6.0	16	W	6.1	56	8	9	25
26	68	40	54	-2	39	11	0	0	0	0	30.00	01	4.7	4.8	12	NE	7.4	69	10	8	26
27	74	33	54	-2	43	11	0	1	8	0	29.98	23	2.2	2.9	8	SW	10.8	100	0	0	27
28	70	42	56	1	46	9	0	1	8	0	30.05	09	4.8	5.8	13	SE	3.5	32	8	5	28
29	77	48	63	8	54	2	0	2	8	0	30.12	15	1.7	2.6	9	SE	3.8	36	7	7	29
30	80	54	67	12	57	0	2	2	8	0	30.18	16	4.5	4.8	8	SE	4.3	40	6	7	30
31	83	54	69	15	57	0	4	1	8	0	30.07	16	2.1	4.9	6	SW	10.7	100	1	2	31

SUM	SUM	TOTAL			TOTAL			FOR THE MONTH:				TOTAL		SUM	SUM	
2170	1263	310	21	NUMBER OF DAYS			0	30.04	01	1.2	5.4	21	NW	252.1	FUR 128 120	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION			DEP.	DATE: 03		POSSIBLE	MONTH	AVG.	AVG.
70.0	40.7	55.4	-3.9	42	107	-6	> .01 INCH			1			348.0	72	4.1	3.9
		SEASON TO DATE		TOTAL		TOTAL		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW.		
		MAXIMUM TEMP.		MINIMUM TEMP.		372 1233		THUNDERSTORMS 0		PRECIPITATION		SNOW, ICE PELLETS		ICE PELLETS OR ICE AND DATE		
		7 90 7 32 6		6 0		148 -120		CLEAR 16		PARTLY CLOUDY 6		CLOUDY 8				

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																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16	T	.01	T	.04	.03	.08	.18	.01				T	.01	.01	T	.02	T	T									
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																											
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 SENSOR 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.

SUBSCRIPTION PRICE: LOCAL CLIMATOLOGICAL DATA \$2.00 PER YEAR INCLUDING ANNUAL ISSUE IF PUBLISHED. FOREIGN MAILING 75¢ 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	STATION 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	DIR.				
01	4	30.04	47	44	42	84	4.3	02	1.2		
04	3	30.03	45	43	41	88	3.4	03	1.3		
07	4	30.06	45	43	41	87	3.6	36	.7		
10	4	30.08	60	51	43	54	7.3	35	2.6		
13	4	30.03	67	54	41	40	7.2	33	2.0		
16	4	30.00	68	54	40	38	7.6	32	1.9		
19	4	30.03	54	49	44	69	4.7	09	1.3		
22	4	30.05	50	47	43	78	4.5	07</			

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER			VISI-BILITY	TEMPERATURE				WIND				WEATHER	TEMPERATURE				WIND				WEATHER										
	SKY COVER	CEILING	MOON		AIR	WET BULB	DEW PT.	REL. HUM.	DIR	SPEED	AMTS	ICE		AIR	WET BULB	DEW PT.	REL. HUM.	DIR	SPEED	AMTS	CEILING		MOON	WEATHER								
01	0	UNL	12		50	46	46	86	35	4	0	UNL	12		44	43	41	89	03	3	0	UNL	12		39	35	28	65	36	8		
04	0	UNL	12		45	44	42	88	34	3	4	UNL	12		46	45	43	89	34	3	0	UNL	12		34	32	28	79	34	8		
07	0	UNL	12		44	43	42	93	00	0	0	UNL	12		48	45	42	80	35	7	0	UNL	12		36	33	28	73	35	6		
10	0	UNL	12		60	50	39	46	02	5	0	UNL	100	10		52	46	40	64	36	9	7	45	12		46	39	27	48	36	10	
13	0	UNL	12		67	53	40	37	25	7	5	UNL	12		50	46	31	35	01	8	8	8	45	12		48	39	27	44	33	13	
16	1	UNL	12		68	54	40	35	30	4	6	UNL	12		56	44	30	37	35	8	5	UNL	12		51	41	26	38	32	14	4	
19	0	UNL	12		55	50	46	72	00	0	0	UNL	12		46	39	31	58	35	6	3	UNL	12		33	31	28	82	01	5		
22	1	UNL	12		53	48	42	66	04	6	0	UNL	12		42	37	30	63	35	8	0	UNL	12		0	UNL	12		0	UNL	12	

NOTES

CEILING COLUMN- UNL INDICATES AN UNLIMITED CEILING

WEATHER COLUMN-

- * TORNADO
- T THUNDERSTORM
- D 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
- BR BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- O 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 10

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

210



FIRST CLASS

