



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.  
MAY 1975

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

USB FILE COPY

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°		WEATHER 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		AVG. STATION PRESSURE IN. ELEV. FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING	COOLING	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			
																SPEED M.P.H.	DIRECTION						HOURS AND TENTHS	PERCENT OF POSSIBLE
1	70	52	61	-2	54	4	0	2	8	0	.26	0	29.93	05	3.1	3.6	7	E	0.0	0	10	10	1	
2	75	51	63	0	52	2	0	2	8	0	0	0	29.89	01	5.6	6.5	14	N	9.7	70	5	5	2	
3	74	45	60	-3	48	5	0	2	8	0	.06	0	29.87	16	6.0	6.0	18	SE	8.4	61	9	7	3	
4	75	52	64	1	51	1	0	1	3	8	.17	0	29.51	29	3.7	8.2	23	NW	5.8	42	7	7	4	
5	71	47	59	-1	48	6	0	0	8	0	0	0	29.64	35	3.5	4.9	12	NE	10.0	72	6	5	5	
6	81	43	62	1	51	3	0	0	23	8	.26	0	29.69	20	4.0	6.3	18	SW	12.1	87	2	3	6	
7	71	52	62	0	48	3	0	0	8	0	0	0	29.78	02	4.6	6.8	14	NE	10.7	77	6	6	7	
8	75	43*	58	-2	46	6	0	1	8	0	0	0	29.91	12	1.9	4.6	9	NE	12.2	87	6	5	8	
9	71	46	59*	-1	48	6	0	1	8	0	0	T	29.93	06	1.6	3.6	6	SE	7.0	50	9	7	9	
10	75	48	62	0	43	3	0	0	8	0	0	T	29.88	15	4.4	4.8	11	SE	8.3	59	9	9	10	
11	79	46	63	0	44	2	0	7	3	8	0	0	29.81	16	4.6	4.8	13	SE	12.0	85	3	4	11	
12	86	57	72	7	55	0	0	4	3	8	0	0	29.75	19	7.4	7.8	15	S	10.0	71	8	8	12	
13	82	56	69	4	56	0	0	4	8	0	0	0	29.74	30	5.2	6.6	26	NW	10.1	71	6	9	13	
14	85	53	68	3	52	0	0	3	8	0	0	0	29.83	35	2.6	5.8	15	N	14.2	100	6	6	14	
15	85	57	71	5	57	0	0	6	1	8	.14	0	29.78	17	6.6	6.9	13	S	9.7	68	9	9	15	
16	76	60	68	0	64	0	0	3	1	8	.01	0	29.74	24	9	5.5	14	NE	5.7	40	9	8	16	
17	69	56	63	-1	60	2	0	0	1	8	.11	0	29.94	07	3.0	3.6	9	SE	0.6	4	10	8	17	
18	71	56	64	-3	62	1	0	2	2	8	.09	0	29.80	04	1.1	1.2	10	SW	5.3	37	10	10	18	
19	75	60	68	1	63	0	0	3	2	8	0	T	29.75	04	4.5	4.6	9	NE	7.1	50	8	7	19	
20	85	56	71	3	62	0	0	6	2	8	0	0	29.80	16	3.2	3.3	6	SE	8.6	60	6	5	20	
21	89	61	75	7	66	0	0	10	1	8	0	0	29.80	23	8	3.9	7	NE	9.7	68	1	1	21	
22	89	65	77	9	69	0	0	12	1	8	0	0	29.78	09	4.0	5.2	12	NE	7.2	50	9	7	22	
23	87	65	76	8	67	0	0	11	1	3	8	.21	0	29.77	14	1.6	2.9	19	NE	7.4	51	5	6	23
24	88	64	76	7	66	0	0	11	3	8	0	0	29.72	32	3.6	5.8	10	NW	8.5	59	5	4	24	
25	76	64	70	1	67	0	0	5	1	3	8	.02	0	29.85	04	5.7	6.5	13	NE	0.8	6	10	10	25
26	81	60	71	2	63	0	0	6	1	8	0	0	29.83	03	2.8	4.8	9	NE	8.7	60	8	7	26	
27	91*	63	77	8	64	0	0	12	1	3	8	0	29.68	28	2.4	4.6	20	NW	11.2	77	5	6	27	
28	82	61	72	2	59	0	0	7	1	8	0	0	29.83	03	4.3	6.0	13	N	12.8	68	6	5	28	
29	82	57	70	0	60	0	0	5	8	0	0	0	29.88	15	5.1	5.3	11	SE	9.8	68	9	9	29	
30	85	64	75	5	66	0	0	10	1	8	.11	0	29.73	18	7.0	7.3	18	SW	8.9	61	9	9	30	
31	89	69	79*	8	70	0	0	14	3	8	1.15	0	29.65	20	8.6	8.9	23	SW	6.6	45	9	9	31	

DATE	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	T	T	.06	.19	.01																			
2																								
3																								
4	.01	.01	.04	.03	.02		.01	T												.01	.04	T	.02	.03
5																								
6																						.15	.03	.08
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																						.01	.06	.05
16	T									.01	T	T	T											
17														.01	.04	.05	.01	T	T					
18														T	.01	T	.02	.03	.01	T				
19																								
20																								
21																								
22																								
23			.10	.05											.02	.04								
24			.02	T																				
25																								
26																								
27																								
28																								
29																								
30											.10			.01	T									
31																	.04	.07				.01	.41	.62

\* 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 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 GUSTS.  
ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

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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	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
				AIR °F	WET BULB °F	DEW PT. °F	RELATIVE HUMIDITY %				
01	6	29.79	61	59	57	89	3.9	13		.9	
04	6	29.78	59	57	56	91	3.6	19		.6	
07	7	29.82	62	59	57	85	5.0	35		.4	
10	7	29.82	71	63	58	66	7.2	36		.7	
13	7	29.79	76	65	58	55	6.7	36		.4	
16	7	29.76	77	65	57	52	7.0	14		1.8	
19	7	29.76	71	63	58	64	6.0	13		2.5	
22	6	29.79	64	60	58	82	4.0	15		1.5	

RICHMOND, VIRGINIA

# OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER			VISI-BILITY	TEMPERATURE				WIND				WEATHER	TEMPERATURE				WIND			
	SKY COVER	CEILING	HANDS-ON		AIR F	WET BULB F	DEW PT F	REL. HUM. %	DIR	SPEED	ANDBLS	AIR F		WET BULB F	DEW PT F	REL. HUM. %	DIR	SPEED	ANDBLS		
01	10	12	7		53	51	48	86	03	3	10	2	0								
04	10	12	2		53	51	50	90	03	3	10	4	1								
07	10	5	2		53	51	50	90	03	3	10	4	1								
10	10	6	6		60	56	53	78	09	3	5	UNL	6								
13	10	18	7		65	59	55	70	00	3	6	35	7								
16	10	20	5		68	61	57	68	05	3	1	UNL	7								
19	10	50	6		63	60	58	64	04	3	0	UNL	7								
22	10	4	4		60	59	58	93	08	3	0	UNL	7								
01					59	57	57	96	36	3	0	UNL	2								
04					57	56	56	96	36	3	0	UNL	2								
07					56	55	55	96	36	3	0	UNL	2								
10					64	59	55	73	30	6	6	UNL	3								
13					70	61	54	57	05	7	8	UNL	7								
16					75	58	46	34	01	8	8	UNL	7								
19					65	60	56	44	03	4	10	60	7								
22					56	53	50	80	00	0	0	UNL	7								
01					50	49	49	96	00	0	0	UNL	2								
04					47	46	46	96	00	0	0	UNL	2								
07					52	50	49	90	00	0	0	UNL	2								
10					68	59	52	57	16	7	8	UNL	3								
13					73	57	44	35	16	9	8	UNL	7								
16					71	57	46	41	18	8	8	UNL	7								
19					65	60	56	48	15	7	10	60	7								
22					56	51	47	72	17	11	0	UNL	7								

NOTES

CEILING COLUMN- UNL INDICATES AN UNLIMITED CEILING

WEATHER COLUMN-

- \* TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SP SNOW PELLETS
- IC ICE CRYSTALS
- 3W SNOW SHOWERS
- SO 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: 75 05

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