



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.
 AUGUST 1975

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

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 SMOKE-HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		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.	FASTEST MILE		MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
						HEATING	COOLING								SPEED M.P.H.	DIRECTION							
1	91	62	77	-1	66	0	12	1	0	0	29.97	11	1.0	2.3	6	E	827	98	2	1	1		
2	95	66	81	3	69	0	16	1	0	0	29.82	25	.7	2.0	6	S	753	89	1	1	2		
3	95	67	81	3	70	0	16	1	0	0	29.75	23	4.3	4.6	11	SW	764	91	2	2	3		
4	96	72	84	6	72	0	19	3	0	0	29.74	25	4.2	5.6	14	N	545	65	7	7	4		
5	90	72	81	3	72	0	16	1	3	0	29.71	27	.5	2.6	15	SW	345	41	8	9	5		
6	88	68	78	0	72	0	13	1	3	0	29.65	27	4.5	5.9	14	W	234	28	10	10	6		
7	79	61	70*	-7	63	0	5	0	0	0	29.86	32	5.8	6.5	11	N	402	48	8	7	6		
8	81	61	71	-6	59	0	6	0	0	0	30.03	32	4.8	5.6	12	N	695	84	4	5	8		
9	87	57*	72	-1	62	0	7	1	0	0	30.00	24	4.2	4.3	17	W	756	91	2	1	9		
10	87	64	76	-1	67	0	11	1	0	0	29.89	23	1.0	3.5	6	NW	532	64	9	8	10		
11	88	69	79	2	69	0	14	1	3	0	29.78	29	3.8	5.0	14	NW	516	62	5	7	11		
12	89	66	78	1	70	0	13	1	0	0	29.84	32	2.9	3.0	9	N	684	83	7	4	12		
13	93	68	81	4	71	0	16	1	0	0	29.86	22	4.0	4.2	12	SW	580	71	7	6	13		
14	94	72	83	6	72	0	18	1	3	0	29.85	26	2.9	5.2	32	NW	536	65	7	8	14		
15	90	70	80	3	72	0	15	1	3	0	29.82	28	1.4	2.7	12	W	403	49	7	8	15		
16	93	72	83	7	73	0	18	1	3	0	29.77	25	5.5	7.1	13	SW	562	69	6	6	16		
17	92	71	82	6	73	0	17	1	0	0	29.75	28	3.0	5.6	11	NW	497	61	5	4	17		
18	90	69	80	4	70	0	15	1	0	0	29.80	36	2.9	3.3	9	NE	538	66	6	5	18		
19	86	69	78	2	68	0	13	1	0	0	29.90	08	1.4	4.2	9	NE	537	66	8	7	19		
20	88	66	77	1	70	0	12	1	3	0	29.97	27	.6	4.9	14	NE	309	38	6	6	20		
21	89	70	80	4	72	0	15	1	0	0	30.03	20	3.2	5.5	8	SW	414	51	7	8	21		
22	95	72	84	8	72	0	19	0	0	0	29.93	25	5.2	6.2	10	N	488	61	6	6	22		
23	82	74	78	3	72	0	13	1	0	0	29.99	04	4.2	6.6	9	NE	78	10	9	8	23		
24	90	70	80	5	73	0	15	1	3	0	29.90	21	4.8	5.3	13	SW	372	47	8	9	24		
25	96	70	83	8	72	0	18	1	0	0	29.82	22	3.8	4.5	9	SW	682	86	3	2	25		
26	99*	72	86*	11	72	0	21	1	0	0	29.89	26	2.1	2.6	8	SW	716	90	5	4	26		
27	88	65	77	2	65	0	12	0	0	0	30.05	35	5.3	6.0	13	N	650	82	6	6	27		
28	88	62	75	0	62	0	10	0	0	0	30.08	04	2.8	3.6	10	NE	554	70	3	2	28		
29	88	64	76	2	65	0	11	2	0	0	29.98	19	3.5	4.2	7	SW	544	69	6	6	29		
30	92	67	80	6	67	0	15	0	0	0	29.80	23	5.6	5.8	10	SW	684	87	4	3	30		
31	84	70	77	3	71	0	12	1	5	0	29.82	08	8.3	9.5	16	E	237	30	9	8	31		
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
2783	2098				0	433			2.31	0	29.87	26	1.6	4.8	32	NW	16434	FOR	183	174			
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.			PRECIPITATION	DEP.						DATE: 14	POSSIBLE MONTH	AVG.	AVG.				
89.8	67.7	78.8	2.5	69		0	83		2.01 INCH	8	-2.75							65	5.9	5.6			
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST (IN 24 HOURS AND DATES)		GREATEST DEPTH ON GROUND OF SNOW.															
MAXIMUM TEMP.		MINIMUM TEMP.		> 1.0 INCH		PRECIPITATION		SNOW, ICE PELLETS															
≥ 90 °F		≤ 32 °F		≥ 0 °F		DEP.		HEAVY FOG X		1		1.09		5-6		0							
16		0		0		0		44		CLEAR 6		PARTLY CLOUDY 17		CLOUDY 8									

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																									
2																									
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* 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. 16 ARE FASTEST OBSERVED 1-MINUTE SPEEDS, IF THE / APPEARS IN COL. 17, SPEEDS ARE DUSTS.
 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	29.87	71	69	68	91	2.6	24	1.4	
04	4	29.87	70	68	68	92	3.3	26	1.7	
07	6	29.90	72	70	68	87	4.3	26	1.7	
10	5	29.90	83	74	70	66	7.0	29	3.1	
13	5	29.88	87	75	69	56	7.2	26	2.3	
16	6	29.84	87	75	69	56	6.0	26	1.9	
19	7	29.85	80	74	70	74	4.9	22	0.8	
22	6	29.88	73	71	70	88	2.9	22	.6	

RICHMOND, VIRGINIA

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OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SAT. COVER			VISI-BILITY	WEATHER	TEMPERATURE					WIND					SAT. COVER	VISI-BILITY			WEATHER	TEMPERATURE					WIND											
	LOW	CEILING	UNL			AIR °F	NET BULB °F	DEW PT. °F	REL. HUM.	DIR	SPEED KNOTS	DIR	SPEED KNOTS	LOW	CEILING		UNL	AIR °F	NET BULB °F		DEW PT. °F	REL. HUM.	DIR	SPEED KNOTS	DIR	SPEED KNOTS	LOW	CEILING	UNL	AIR °F	NET BULB °F	DEW PT. °F	REL. HUM.	DIR	SPEED KNOTS		
01	0	UNL	6		DAY 01	66	65	64	93	00	0	0	UNL	5		DAY 02	69	68	67	93	00	0	0	UNL	5		DAY 03	72	71	70	93	00	0	0	UNL	5	
04	0	UNL	3			63	62	62	97	00	0	0	UNL	4			67	66	66	97	00	0	0	UNL	4			69	68	68	97	00	0	0	UNL	4	
07	0	UNL	3			69	67	66	90	00	0	0	UNL	2			72	70	69	90	00	0	0	UNL	2			75	72	70	85	24	0	0	UNL	2	
10	0	UNL	3			85	73	68	57	36	6	8	UNL	2			87	76	71	59	22	3	3	UNL	2			89	77	72	57	27	5	5	UNL	2	
13	0	UNL	3			88	73	66	48	15	4	4	UNL	2			92	75	68	45	28	3	3	UNL	2			94	76	68	43	24	10	10	UNL	2	
16	0	UNL	3			89	73	66	47	05	3	3	UNL	2			93	75	67	43	22	3	4	UNL	2			94	77	69	44	22	8	8	UNL	2	
19	0	UNL	3			89	74	70	48	14	4	4	UNL	2			93	76	72	65	19	4	2	UNL	2			95	76	72	65	20	5	5	UNL	2	
22	0	UNL	3			73	70	69	87	00	0	0	UNL	5			76	73	72	87	00	0	0	UNL	7			78	74	72	82	00	0	0	UNL	7	

NOTES
 CEILING COLUMN-
 UNL INDICATES AN UNLIMITED
 CEILING

WEATHER COLUMN-
 * TORNAO
 T THUNDERSTORM
 Q SQUALL
 R RAIN
 RM RAIN SHOWERS
 ZR FREEZING RAIN
 L DRIZZLE
 ZL FREEZING DRIZZLE
 S SNOW
 SP SNOW PELLETS
 IC ICE CRYSTALS
 SM SNOW SHOWERS
 SO SNOW GRAINS
 IP ICE PELLETS
 A HAIL
 F FOG
 IF ICE FOG
 GF GROUND FOG
 BO BLOWING DUST
 BM BLOWING SAND
 BS BLOWING SNOW
 BY BLOWING SPRAY
 K SMOKE
 H HAZE
 D DUST

MIND COLUMNS-
 DIRECTIONS ARE THOSE FROM
 WHICH THE WIND BLOWS. INDICATED
 IN TERMS 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.

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STATION: RICHMOND VA YEAR & MONTH: 75 08

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