



**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.  
 JUNE 1975

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

USB FILE COPY

DATE	TEMPERATURE °F				DEGREE DAYS BASE 65°		HEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG X 3 THUNDERSTORM 4 ICE PELLETS 5 RAIL 6 BLAZE 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 TENDS		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	
1	78	63	71	0	68	0	6	23	0	1.11	0	29.68	21	5.5	6.2	17	NH	5.0	41	10	9	1
2	80	59	70	0	58	0	7	1	0	0	0	29.67	09	1.4	4.0	10	NH	12.8	88	3	3	2
3	84	60	72	-1	50	0	7	1	0	0	0	29.72	25	1.6	5.9	11	NH	10.6	75	6	6	3
4	87	57	72	0	58	0	7	1	0	0	0	29.68	26	3.0	5.9	11	NH	12.5	88	7	2	4
5	80	68	79	0	63	0	14	3	0	.02	0	29.56	24	6.9	6.0	34	NH	10.0	68	7	7	4
6	85	66	72	0	59	0	11	3	0	.26	0	29.45	25	9.4	10.1	19	NH	11.0	68	4	4	5
7	83	60	72	0	59	0	11	3	0	0	0	29.45	31	6.6	9.1	21	NH	14.3	97	3	3	6
8	78	50*	64*	0	51	1	0	0	0	0	0	29.67	34	5.2	6.6	17	NH	14.7	100	4	4	6
9	77	53	65	0	52	0	0	0	0	0	0	29.68	34	1.6	4.8	9	NE	9.8	57	9	9	6
10	78	57	68	0	56	0	3	0	0	0	0	30.04	12	5.0	5.9	13	E	10.4	71	6	6	6
11	77	53	65	0	56	0	0	1	0	.04	0	30.03	15	4.4	4.8	10	S	6.3	43	6	6	10
12	77	68	72	0	67	0	0	1	0	.80	0	29.78	18	8.5	8.8	14	S	0.1	1	10	10	12
13	88	65	77	0	64	0	12	1	0	0	0	29.74	27	3.8	5.2	9	SH	13.5	92	2	3	13
14	88	61	75	0	62	0	10	0	0	0	0	29.75	21	2.7	4.8	10	H	13.1	89	1	2	14
15	91	64	78	0	64	0	13	0	0	0	0	29.72	18	5.9	6.0	13	SH	12.2	83	3	3	15
16	86	65	76	0	67	0	11	1	0	.65	0	29.78	18	2.3	5.3	10	SH	8.3	56	6	6	16
17	88	67	78	0	70	0	13	2	0	0	0	29.86	07	3.7	4.6	5	NE	5.3	36	8	7	17
18	93*	67	81	0	70	0	16	1	0	0	0	29.89	16	1.5	5.5	12	NE	10.6	73	3	3	18
19	93	68	81*	0	71	0	16	1	0	0	0	29.91	17	1.3	5.2	10	NE	9.5	64	4	4	19
20	88	69	78	0	67	0	14	0	0	0	0	29.86	01	6.7	7.5	17	N	13.2	89	9	7	20
21	82	60	71	0	62	0	8	0	0	0	0	30.02	10	6.5	7.9	14	SE	11.5	79	7	7	21
22	83	57	70	0	59	0	5	0	0	0	0	30.12	17	4.1	4.6	9	S	12.0	88	6	5	22
23	86	59	73	0	61	0	8	0	0	0	0	30.12	18	5.0	5.5	10	SH	14.5	95	0	0	23
24	90	63	77	0	63	0	12	0	0	0	0	30.05	18	4.1	4.3	8	S	14.2	86	6	0	24
25	93	64	79	0	67	0	14	3	0	0	0	29.95	10	2.4	4.0	8	NE	10.6	73	6	6	25
26	78	70	74	0	68	0	9	1	0	.05	0	29.96	04	7.2	8.5	18	NE	3.7	25	9	10	26
27	84	70	77	0	68	0	12	23	0	.90	0	29.92	10	5.6	6.2	10	SE	7.7	52	10	10	27
28	80	69	75	0	70	0	10	1	0	.14	0	29.81	05	5.4	6.6	11	NE	7.3	50	9	8	28
29	83	67	75	0	67	0	10	2	0	0	0	29.80	02	7.0	7.5	11	NE	7.3	50	9	6	29
30	82	65	74	0	66	0	9	1	0	0	0	29.84	03	8.3	8.8	14	NE	10.6	72	5	3	30

SUN	SUN	TOTAL	TOTAL	TOTAL	TOTAL	FOR THE MONTH	TOTAL	%	SUN	SUN	
2533	1892	1	287	4.00	0	29.84	16	6.3	34	170	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION	DEP.	DATE	Q5	POSSIBLE	
84.4	62.7	73.8	-0.6	63	-0	.01 INCH	9	0.48		441.2	
SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW,					
NUMBER OF DAYS		TOTAL		PRECIPITATION		SNOW, ICE PELLETS					
MAXIMUM TEMP.	MINIMUM TEMP.	40.1	41.8	THUNDERSTORMS	8	PRECIPITATION	SNOW, ICE PELLETS				
> 90°	< 32°	0	0	HEAVY FOG X	4	2.20	31-1	0			
6	0	0	0	78	13	CLEAR	9	PARTLY CLOUDY	10	CLOUDY	11

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	.01	T			.02	.51	.06		.03	.42	T												.06	
2																								
3																								
4																								
5																								
6	.04	.14	.01	.09	T																		.02	
7																								
8																								
9																								
10																								
11																						.01	.02	
12	.01	.07	.03	.01	.02	T	T	T	.01	.49	.10	.05	.01	T	T	T	.01	T	T					
13																								
14																								
15																								
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23																								
24																								
25																								
26							T	T																
27																								
28	.03				T	.01	T	T	.05	.02	T													
29																								
30																								

\* 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 8, 12, 13, 14, AND 15 ARE BASED ON 6 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 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

HOUR	LOCAL TIME	SKY COVER TENDS	AVERAGES					RESULTANT WIND	
			STATION PRESSURE IN.	TEMPERATURE	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION		
01	4	29.83	67	64	63	87	4.0	18	1.3
04	5	29.83	66	63	62	90	4.4	32	.3
07	6	29.86	69	66	64	82	5.7	28	.4
10	8	29.87	78	69	64	63	7.9	30	1.4
13	6	29.84	82	69	62	53	8.5	19	.6
16	6	29.82	82	70	63	54	8.6	17	1.8
19	5	29.82	77	68	64	65	6.4	11	2.0
22	5	29.85	70	66	63	81	4.8	14	1.5

RICHMOND, VIRGINIA

# OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND				SKY COVER	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND										
					AIR °F	WET BULB °F	DEW PT. °F	REL. HUM.	DIR	SPEED KNOTS	DIR	SPEED KNOTS					AIR °F	WET BULB °F	DEW PT. °F	REL. HUM.	DIR	SPEED KNOTS	DIR	SPEED KNOTS	AIR °F	WET BULB °F	DEW PT. °F	REL. HUM.	DIR	SPEED KNOTS	
DAY 01																															
01	10	30	9	RM	71	70	59	93	18	5	0	UNL	5	GF	62	61	61	97	00	0	10	30	9	H	65	62	60	84	13	4	
04	10	25	9	RWGF	73	72	71	93	20	4	0	UNL	5	GF	61	60	59	93	00	0	10	25	9	H	65	61	60	83	12	4	
07	10	16	7	RM	73	71	70	90	23	4	1	UNL	7	GF	65	62	60	84	01	7	10	100	2	B	67	63	61	81	32	3	
10	8	40	9		72	70	69	90	20	4	0	UNL	12		74	63	59	52	39	6	7	13	3	H	72	67	64	76	38	9	
13	10	25	9		73	70	67	91	23	7	1	UNL	12		79	65	57	49	08	5	7	25	9	H	80	68	61	52	25	3	
16	10	80	10		77	70	67	71	23	7	10	40	10		77	65	58	52	18	6	4	UNL	12	H	82	68	60	47	23	8	
19	10	80	10		75	71	69	82	22	6	4	UNL	12		73	66	61	66	15	4	4	UNL	12	H	78	64	54	44	28	8	
22	7	250	7		66	65	64	83	18	4	3	UNL	7		66	62	61	59	78	15	5	0	UNL	10	H	69	63	61	87	17	3
DAY 02																															
01	0	UNL	12		60	58	57	80	26	4	0	UNL	10		68	65	62	78	21	5	10	40	7	RM	68	64	62	81	25	8	
04	0	UNL	12		58	56	55	80	27	4	4	100	7		66	64	63	81	17	3	10	5	3	RM	66	64	63	80	30	4	
07	6	UNL	10		68	61	56	66	27	5	0	UNL	7		74	68	64	71	23	8	4	UNL	10	H	68	65	64	87	25	7	
10	0	UNL	10		79	67	59	50	33	3	3	UNL	7		85	71	64	49	24	11	3	UNL	10	H	78	68	63	60	24	14	
13	0	UNL	10		84	68	58	41	36	9	7	UNL	7		88	72	63	43	29	8	7	40	12	H	83	69	61	48	24	13	
16	2	UNL	10		84	67	57	40	24	6	10	UNL	7		89	72	64	44	23	10	2	UNL	12	H	86	69	60	42	27	11	
19	1	UNL	12		79	67	60	52	18	5	10	250	7		80	71	67	65	21	6	1	UNL	12	H	80	67	60	51	21	6	
22	0	UNL	12		70	65	63	79	18	4	10	100	12		71	65	61	71	27	5	3	UNL	12	H	75	66	61	62	22	7	
DAY 03																															
01	10	30	9		65	62	60	84	13	4	0	UNL	10		68	64	63	90	16	5	10	32	5	RF	68	64	63	90	16	5	
04	10	25	9		66	63	61	87	17	3	0	UNL	10		66	64	63	90	18	10	10	32	6	F	66	64	63	90	18	10	
07	10	16	7		67	63	61	81	32	3	0	UNL	10		66	64	63	90	17	9	10	25	2	RF	66	64	63	90	17	9	
10	8	40	9		72	67	64	76	38	9	0	UNL	12		74	63	59	52	39	6	7	13	3	RF	71	69	68	90	20	10	
13	10	25	9		73	70	67	91	23	7	1	UNL	12		79	65	57	49	08	5	7	25	9	RHF	78	72	71	87	20	7	
16	10	80	10		77	70	67	71	23	7	10	40	10		77	65	58	52	18	6	4	UNL	12	H	82	68	60	47	23	8	
19	10	80	10		75	71	69	82	22	6	4	UNL	12		73	66	61	66	15	4	4	UNL	12	H	78	64	54	44	28	8	
22	7	250	7		66	65	64	83	18	4	3	UNL	7		66	62	61	59	78	15	5	0	UNL	10	H	69	63	61	87	17	3
DAY 04																															
01	0	UNL	12		60	58	57	80	26	4	0	UNL	10		68	65	62	78	21	5	10	40	7	RM	68	64	62	81	25	8	
04	0	UNL	12		58	56	55	80	27	4	4	100	7		66	64	63	81	17	3	10	5	3	RM	66	64	63	80	30	4	
07	6	UNL	10		68	61	56	66	27	5	0	UNL	7		74	68	64	71	23	8	4	UNL	10	H	68	65	64	87	25	7	
10	0	UNL	10		79	67	59	50	33	3	3	UNL	7		85	71	64	49	24	11	3	UNL	10	H	78	68	63	60	24	14	
13	0	UNL	10		84	68	58	41	36	9	7	UNL	7		88	72	63	43	29	8	7	40	12	H	83	69	61	48	24	13	
16	2	UNL	10		84	67	57	40	24	6	10	UNL	7		89	72	64	44	23	10	2	UNL	12	H	86	69	60	42	27	11	
19	1	UNL	12		79	67	60	52	18	5	10	250	7		80	71	67	65	21	6	1	UNL	12	H	80	67	60	51	21	6	
22	0	UNL	12		70	65	63	79	18	4	10	100	12		71	65	61	71	27	5	3	UNL	12	H	75	66	61	62	22	7	
DAY 05																															
01	0	UNL	12		60	58	57	80	26	4	0	UNL	10		68	65	62	78	21	5	10	40	7	RM	68	64	62	81	25	8	
04	0	UNL	12		58	56	55	80	27	4	4	100	7		66	64	63	81	17	3	10	5	3	RM	66	64	63	80	30	4	
07	6	UNL	10		68	61	56	66	27	5	0	UNL	7		74	68	64	71	23	8	4	UNL	10	H	68	65	64	87	25	7	
10	0	UNL	10		79	67	59	50	33	3	3	UNL	7		85	71	64	49	24	11	3	UNL	10	H	78	68	63	60	24	14	
13	0	UNL	10		84	68	58	41	36	9	7	UNL	7		88	72	63	43	29	8	7	40	12	H	83	69	61	48	24	13	
16	2	UNL	10		84	67	57	40	24	6	10	UNL	7		89	72	64	44	23	10	2	UNL	12	H	86	69	60	42	27	11	
19	1	UNL	12		79	67	60	52	18	5	10	250	7		80	71	67	65	21	6	1	UNL	12	H	80	67	60	51	21	6	
22	0	UNL	12		70	65	63	79	18	4	10	100	12		71	65	61	71	27	5	3	UNL	12	H	75	66	61	62	22	7	
DAY 06																															
01	0	UNL	12		60	58	57	80	26	4	0	UNL	10		68	65	62	78	21	5	10	40	7	RM	68	64	62	81	25	8	
04	0	UNL	12		58	56	55	80	27	4	4	100	7		66	64	63	81	17	3	10	5	3	RM	66	64	63	80	30	4	
07	6	UNL	10		68	61	56	66	27	5	0	UNL	7		74	68	64	71	23	8	4	UNL	10	H	68	65	64	87	25	7	
10	0	UNL	10		79	67	59	50	33	3	3	UNL	7		85	71	64	49	24	11	3	UNL	10	H	78	68	63	60	24	14	
13	0	UNL	10		84	68	58	41	36	9	7	UNL	7		88	72	63	43	29	8	7	40	12	H	83	69	61	48	24	13	
16	2	UNL	10		84	67	57	40	24	6	10	UNL	7		89	72	64	44	23	10	2	UNL	12	H	86	69	60	42	27	11	
19	1	UNL	12		79	67	60	52	18	5	10	250	7		80	71	67	65	21	6	1	UNL	12	H	80	67	60	51	21	6	
22	0	UNL	12		70	65	63	79	18	4	10	100	12		71	65	61	71	27	5	3	UNL	12	H	75	66	61	62	22	7	
DAY 07																															
01	4	UNL	10		67	64	63	87	18	4	0	UNL	10		59	55	51	75	00	0	0	UNL	10		56	53	50	80	00	0	
04	7	80	10		66	64	63	90	00	0	0	UNL	10		52	51	50	93	00	0	0	UNL	10		54	52	50	86	35	6	
07	0	UNL	10		73	65	60	64	26	13	1	UNL	7		61	58	55	81	17	3	0	UNL	10		60	54	48	67	36	7	
10	0	UNL	10		81	65	55	41	28	13	7	40	10		72	61	53	35	8	4	4	UNL	12		70	60	52	53	32	7	
13	4	UNL	12		82	62	47	29	30	12	8	45	10		75	61	50	42	30	13	8	45	12		75	61	51	43	23	4	
16	3	UNL	12		82	65	54	38	36	12	6	45	10		75	60	48	39	35	12	9	300	12		74	61	51	45	05	3	
19	2	UNL	12		73	60	50	44	34	7	3	UNL	10		69	59	51	53	36	6	10	UNL	12		71	62	56	59			