

Local Climatological Data



MONTHLY SUMMARY

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

MAY 1976

RICHMOND, VIRGINIA

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW-ICE PELLETS ON GROUND AT 07AM	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 (BASED BEGINS WITH JAN.)	COOLING (BASED BEGINS WITH JUL.)			WATER EQUIVALENT IN.	SNOW-ICE PELLETS IN.		RESULTANT DIR.	AVG. SPEED R.P.H.	FASTEST MILE R.P.H.	DIRECTION	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO MIDNIGHT		MIDNIGHT TO MIDNIGHT
1	72	59	66	3	61	0	1	1	0	.86	0	29.67	17	8.8	9.1	S	102	12	0	1	
2	79	56	68	5	54	0	3	0	0	0	0	29.62	24	4.1	6.8	10	SW	711	86	4	4
3	73	46	60	-3	45	0	5	0	0	0	0	29.70	32	4.9	8.1	17	NW	803	97	2	3
4	68	43	56	-7	34	0	9	0	0	0	0	30.02	32	3.1	7.2	12	W	789	96	1	2
5	80	42	61	-3	43	0	4	0	0	0	0	30.03	20	9.3	10.2	18	SW	762	92	4	3
6	84	60	72	8	56	0	7	0	0	0	0	29.96	22	10.7	11.1	19	SW	406	49	8	6
7	80	58	69	5	63	0	4	3	0	.86	0	29.80	21	7.4	10.9	19	N	16	2	10	9
8	63	39	51*	-13	35	14	0	0	0	0	0	30.00	01	9.5	10.8	23	N	237	28	10	8
9	74	34*	54	-11	40	11	0	0	0	0	0	29.98	30	1.1	3.9	8	W	840	100	0	0
10	79	44	62	-3	47	3	0	1	0	0	0	29.96	19	7.3	7.6	13	SW	596	71	8	6
11	77	56	67	2	59	0	2	1	3	0	.23	29.77	19	7.4	7.6	16	SW	291	30	9	8
12	76	50	63	-2	47	2	0	1	0	0	0	29.77	02	4.0	6.6	16	N	728	86	2	3
13	76	62	69	7	57	0	0	1	0	0	0	29.98	11	4.9	5.9	11	SE	35	4	8	7
14	86	58	75	10	66	0	0	1	0	.16	0	29.82	19	6.4	6.6	23	SW	110	13	8	14
15	85	66	76	10	69	0	0	1	3	0	.15	29.87	16	4.5	5.9	19	SW	171	20	10	10
16	85	70	78*	12	69	0	0	1	1	0	.15	29.76	18	7.8	8.2	13	SW	323	38	8	7
17	82	66	74	7	66	0	0	1	0	0	.22	29.63	21	4.3	6.2	11	SW	263	31	7	17
18	82	48	65	-2	55	0	0	1	1	0	0	29.48	29	5.8	11.2	29	NW	248	29	8	7
19	73	44	59	-8	38	6	0	0	0	0	0	29.67	27	9.9	12.3	26	NW	770	80	2	2
20	82	41	62	-6	46	3	0	0	0	0	0	29.78	25	8.9	9.4	17	W	684	80	5	4
21	88	60	74	6	55	0	0	0	0	0	0	29.67	26	9.2	9.9	17	SW	727	85	2	1
22	80	52	66	-2	50	0	1	0	0	0	0	29.71	03	2.4	5.6	10	N	660	77	8	7
23	75	54	65	-3	55	0	0	3	0	0	T	29.64	05	6.2	6.6	11	NE	171	20	9	23
24	75	49	62	-7	51	3	0	1	0	0	0	29.55	05	6.0	6.2	14	N	384	44	9	7
25	70	45	58	-11	50	7	0	0	0	.05	0	29.70	12	5.3	5.9	9	SE	215	25	9	25
26	68	53	61	-8	53	4	0	0	0	.03	0	29.89	09	5.5	5.9	9	E	39	4	10	9
27	77	47	62	-7	53	3	0	0	0	0	0	30.02	22	1.5	3.7	8	E	524	60	3	4
28	80	47	64	-6	53	1	0	1	0	0	0	30.01	12	7.7	8.1	16	E	631	73	6	6
29	73	63	68	2	64	0	0	3	1	.41	0	29.79	11	7.8	8.1	13	SE	2	0	10	29
30	83	65	74	4	66	0	0	9	2	.13	0	29.67	21	3.3	6.2	11	SW	398	46	8	30
31	91*	60	76	5	66	0	11	1	3	.05	0	29.71	22	5.0	5.0	23	W	720	82	4	5

SUN	SUN	TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
2416	1673	79	31	3.76	0	29.80	20	2.1	7.6	29	NW	13326	FOR	205	189	26381	50	5.6	6.1	6.1	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.	PRECIPITATION	DEP.
77.9	52.4	65.2	-1.3	54	14	0.34	12	0.34	12	0.34	12	0.34	12	0.34	12	0.34	12	0.34	12	0.34	12

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT.
 * ALSO ON AN EARLIER DATE, OR DATES.
 HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
 DATA IN COLS. 8 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS. FASTEST MILE SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

SUMMARY BY HOURS

HOURS	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				WIND SPEED R.P.H.	DIRECTION	RESULTANT WIND SPEED R.P.H.
			AIR °F	BULB °F	DEW PT. °F	RELATIVE HUMIDITY %			
01	5	29.80	58	56	53	82	5.8	18	2.1
04	6	29.80	57	54	52	85	5.6	19	1.7
07	6	29.83	61	57	54	80	7.6	22	1.5
10	7	29.83	69	61	54	80	8.8	24	3.2
13	7	29.78	74	63	54	10.0	9.2	22	3.2
16	7	29.76	75	62	53	5.0	9.7	21	3.5
19	6	29.77	69	61	54	6.2	6.3	15	3.5
22	5	29.80	61	58	54	7.9	5.9	15	2.7

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					
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Thomas D. Potter
 DIRECTOR, NATIONAL CLIMATIC CENTER

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OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	COVER	CEILING	WIND	VISIB.	TEMPERATURE					WIND	VISIB.	WEATHER	TEMPERATURE					WIND	VISIB.	WEATHER																																																																																																																																																																																																																											
					AIR	WET	DEW	REL. HUM.	DIR				SPEED	AIR	WET	DEW	REL. HUM.				DIR	SPEED																																																																																																																																																																																																																									
DAY 01																			DAY 02																			DAY 03																																																																																																																																																																																																									
01	10	40	12	2	64	59	56	75	18	5	7	100	12	2	63	61	58	87	25	7	0	UNL	7	55	54	53	93	18	3	04	10	40	12	2	61	60	59	93	17	8	4	100	12	2	58	57	56	90	28	4	0	UNL	7	55	53	52	90	18	4	07	10	40	12	2	60	59	58	97	17	8	6	100	12	2	61	59	57	87	33	4	0	UNL	7	60	56	53	78	23	6	10	10	40	12	2	63	62	61	93	16	13	3	100	12	2	70	59	58	90	05	4	3	UNL	10	71	60	51	49	32	13	13	10	40	12	2	60	59	58	97	17	8	6	100	12	2	61	59	57	87	33	4	0	UNL	7	60	56	53	78	23	6	16	10	40	12	2	63	62	61	93	16	13	3	100	12	2	70	59	58	90	05	4	3	UNL	10	71	60	51	49	32	13	19	10	40	12	2	60	59	58	97	17	8	6	100	12	2	61	59	57	87	33	4	0	UNL	7	60	56	53	78	23	6	22	10	40	12	2	63	62	61	93	16	13	3	100	12	2	70	59	58	90	05	4	3	UNL	10	71	60	51	49	32	13
DAY 04																			DAY 05																			DAY 06																																																																																																																																																																																																									
01	8	50	15	1	48	42	34	59	02	5	0	UNL	12	2	44	43	41	88	15	4	10	UNL	10	64	58	54	70	21	11	04	6	130	15	1	47	43	38	71	01	4	0	UNL	12	2	44	43	41	88	15	4	0	UNL	10	62	57	54	75	21	9	07	0	UNL	12	2	49	43	35	59	01	8	0	UNL	10	7	54	48	43	67	23	10	7	UNL	8	64	59	56	75	23	12	10	2	UNL	12	2	58	47	34	41	20	6	0	UNL	15	10	70	55	41	35	22	12	9	UNL	8	76	65	58	54	23	13	13	2	UNL	12	2	64	49	32	30	31	10	3	UNL	15	10	78	59	43	29	18	12	10	250	10	80	66	57	45	23	11	16	0	UNL	15	15	67	50	30	25	28	7	9	UNL	15	10	78	59	44	30	22	13	9	250	15	81	65	55	41	21	10	19	0	UNL	15	15	62	47	30	30	19	4	7	UNL	12	12	72	57	44	37	20	9	8	50	12	76	63	55	48	18	6	22	0	UNL	15	15	66	43	39	77	14	6	4	UNL	12	12	64	54	45	50	18	7	4	UNL	12	67	60	55	66	18	5
DAY 07																			DAY 08																			DAY 09																																																																																																																																																																																																									
01	5	UNL	12	1	70	63	59	68	18	11	10	46	7	58	51	44	60	01	15	0	UNL	10	40	39	38	93	00	0	04	10	90	10	1	69	63	59	71	21	10	7	UNL	8	52	43	32	47	36	12	0	UNL	7	36	35	34	82	12	3	07	10	90	10	1	68	64	61	78	22	9	10	230	10	52	43	33	48	36	15	0	UNL	7	47	45	43	86	00	0	10	10	90	10	1	73	68	65	76	21	10	10	250	10	57	44	28	33	01	15	0	UNL	8	68	54	41	36	29	6	13	10	25	7	8	75	69	66	74	20	10	10	250	15	61	47	31	32	04	10	1	UNL	10	68	54	41	36	29	6	16	10	100	8	8	78	70	65	64	22	9	10	250	10	61	47	31	32	5	0	UNL	10	74	59	38	27	32	3	19	9	100	7	7	72	68	65	62	22	4	8	250	15	57	47	37	47	15	3	0	UNL	12	67	54	41	39	11	3	22	10	20	5	TRW	66	64	63	90	03	10	0	UNL	15	43	42	40	89	00	0	0	UNL	10	51	48	45	80	15	3									
DAY 10																			DAY 11																			DAY 12																																																																																																																																																																																																									
01	0	UNL	10	1	49	47	45	86	16	3	7	UNL	10	61	56	53	75	18	7	4	UNL	2	61	60	60	97	14	3	04	0	UNL	6	1	48	44	43	86	17	3	4	UNL	10	59	56	54	84	18	8	10	14	5	62	61	61	97	06	3	07	2	UNL	6	1	54	51	49	83	19	5	10	250	7	62	58	56	81	17	7	3	UNL	7	57	54	51	80	03	9	10	8	250	7	1	70	59	50	48	21	5	10	35	7	75	66	61	62	20	10	4	UNL	10	64	54	46	52	31	8	13	7	UNL	10	1	77	61	49	37	21	10	10	70	7	70	65	62	76	20	6	1	UNL	12	72	53	34	25	35	8	16	10	250	10	1	77	60	46	33	17	12	10	80	5	63	62	61	62	19	5	0	UNL	15	74	55	37	26	02	5	19	9	170	12	1	70	58	48	46	19	8	8	UNL	3	65	63	63	80	16	5	0	UNL	15	66	53	41	40	07	5	22	5	UNL	12	1	64	54	46	52	19	7	8	80	8	64	63	62	93	19	5	0	UNL	15	54	48	43	67	12	4								
DAY 13																			DAY 14																			DAY 15																																																																																																																																																																																																									
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DAY 16																			DAY 17																			DAY 18																																																																																																																																																																																																									
01	10	50	6	7	72	71	70	93	16	8	10	100	10	72	67	65	79	25	7	0	UNL	8	69	65	62	79	21	7	04	10	10	7	1	72	71	70	93	16	8	10	50	8	68	66	65	80	15	4	1	UNL	7	63	61	60	90	19	4	07	10	40	6	1	71	70	69	93	17	6	9	250	7	71	68	66	84	19	5	10	100	6	66	63	61	84	22	5	10	10	15	3	1	75	72	70	85	19	6	10	80	10	76	69	66	71	26	8	8	200	7	76	66	60	58	25	12	13	10	13	4	1	74	73	72	90	18	8	9	50	10	79	71	67	67	31	3	5	UNL	10	78	67	60	52	23	10	16	10	30	12	1	65	64	76	71	65	21	9	8	30	8	81	73	69	67	17	7	10	12	3	75	54	53	85	19	8	19	1	UNL	12	1	79	71	67	87	17	7	3	UNL	8	75	70	68	79	10	3	10	55	8	48	46	44	86	35	13	22	3	UNL	12	1	71	68	66	84	18	5	0	UNL	8	68	65	64	87	18	5	8	60	15	50	47	43	77	31	9							
DAY 19																			DAY 20																			DAY 21																																																																																																																																																																																																									
01	0	UNL	12	1	47	43	39	74	27	6	0	UNL	12	44	42	39	83	19	3	0	UNL	15	69	58	49	49	23	6	04	8	100	12	1	62	50	38	74	25	10	0	UNL	12	52	44	35	53	25	9	0	UNL	15	62	55	50	65	26	5	07	0	UNL	12	1	50	45	40	68	25	12	0	UNL	12	59	51	44	58	26	10	0	UNL	12	67	58	52	59	27	8	10	2	UNL	15	1	66	60	58	41	27	15	8	UNL	12	73	59	49	43	26	13	1	UNL	12	78	66	58	50	26	9	13	7	35	15	1	68	53	39	35	26	17	10	200	12	76	61	50	40	26	9	3	UNL	12	86	69	59	40	22	9	16	2	UNL	15	1	72	52	29	20	30	17	3	UNL	15	81	63	50	34	23	10	4	UNL	15	87	69	59	39	25	13	19	3	UNL	12	1	61	50	39	44	06	5	4	UNL	15	75	62	53	46	22	4	2	UNL	15	83	68	59	44	29	10	22	0	UNL	12	1	60	46	41	71	18	3	0	UNL	15	72	60	51	46	23	7	0	UNL	15	76	64	56	50	28	9								
DAY 22																			DAY 23																			DAY 24																																																																																																																																																																																																									
01	0	UNL	15	1	64	57	51	63	01	5	10	50	12	63	58	55	75	07	4	0	UNL	7	56	54	53	90	02	3	04	0	UNL	15	1	60	52	45	58	01	6	10	60	7	61	58	57	87	04	5	7	250	7	53	52	51	93	00	0																																																																																																																																																																																						