

Local Climatologic Data



MONTHLY SUMMARY

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

DATE	TEMPERATURE °F				DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW-ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRESSURE IN.	WIND			SUNSHINE		SKY COVER TENTHS		DATE				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE	DEW POINT			HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)		WATER EQUIVALENT IN.	SNOW-ICE PELLETS IN.	RESULTANT DIRECTION	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FATEST MILE DIRECTION	MINUTES		PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	80	52	66	24	47	0	1	0	0	0	0	29.90	21	5.5	6.5	11	SW	517	76	10	9	1	
2	74	46	60	18	50	0	0	2	8	0	0	29.94	05	4.2	5.0	8	E	309	45	9	9	2	
3	67	48	58	15	50	7	0	2	8	0	0	29.96	06	5.7	6.2	8	E	235	34	10	10	3	
4	71	47	59	16	51	6	0	2	8	0	0	30.01	11	2.6	5.6	10	NE	287	42	9	9	4	
5	84*	61	73*	30	58	0	8	8	0	0	0	29.87	22	10.9	11.8	26	SW	490	71	7	7	5	
6	67	38	53	9	40	12	0	0	0	0	0	29.85	26	4.7	7.5	17	NW	55	6	10	8	6	
7	63	31	47	3	21	18	0	0	0	0	0	29.87	26	6.6	7.9	17	W	696	100	0	0	7	
8	63	30	47	3	26	18	0	0	0	0	0	29.88	25	3.6	6.5	13	SW	429	61	9	7	8	
9	47	32	40	-4	41	25	0	1	0	1.22	0	29.64	04	9.9	11.2	17	N	0	0	10	10	9	
10	42	30	36*	-8	32	29	0	1	8	1	.08	1.0	29.83	02	3.1	8.3	14	N	123	17	9	10	10
11	63	34	49	4	35	16	0	1	8	0	0	29.97	31	.8	6.9	12	N	634	90	3	5	11	
12	60	32	46	1	39	19	0	0	0	.04	0	30.08	14	6.2	8.1	17	SW	84	12	10	9	12	
13	77	40	59	13	47	6	0	0	0	0	0	29.60	25	11.2	17.7	34	W	380	54	7	7	13	
14	56	28	42	-4	24	23	0	0	0	0	0	29.94	23	3.2	5.6	15	SW	544	76	6	4	14	
15	62	28	45	-1	29	20	0	0	0	0	0	29.90	17	5.0	5.8	10	S	490	69	7	6	15	
16	60	38	49	2	42	16	0	1	5	.20	0	29.42	26	4.0	11.4	29	NW	1	0	10	8	16	
17	46	27	37	-10	13	28	0	0	0	0	0	29.74	31	11.0	11.8	24	NW	720	100	1	1	17	
18	59	19*	39	-8	21	26	0	0	0	0	0	30.01	19	4.8	5.3	18	SW	527	73	6	5	18	
19	45	60	12	36	5	0	0	0	0	0	0	29.90	21	11.7	11.9	19	SW	989	81	9	7	19	
20	80	45	63	15	46	2	0	0	0	0	0	29.94	20	8.8	9.2	20	SW	573	79	3	4	20	
21	79	41	60	12	52	5	0	0	0	.03	0	29.64	23	12.0	13.4	23	NW	331	45	9	7	21	
22	58	35	47	-2	33	18	0	0	0	0	0	30.07	36	3.2	5.0	13	N	682	83	8	5	22	
23	63	30	47	-2	32	18	0	1	0	0	0	30.23	14	.9	4.2	10	SE	705	96	1	1	23	
24	74	34	54	4	33	11	0	0	0	0	0	30.14	20	7.7	8.2	14	SW	694	84	2	2	24	
25	69	51	60	10	46	5	0	1	8	.06	0	29.88	21	6.3	9.1	13	SW	180	24	9	7	25	
26	75	38	57	7	44	8	0	1	8	0	0	29.84	14	3.8	4.8	13	SE	660	89	2	4	26	
27	77	53	65	14	53	0	0	0	8	.06	0	29.78	19	10.3	11.2	27	SW	211	28	9	8	27	
28	70	40	55	4	38	10	0	0	0	0	0	29.92	33	4.5	5.9	13	N	747	100	1	1	28	
29	68	35	52	0	40	13	0	0	6	.05	0	30.03	10	2.3	3.2	8	SE	401	54	10	8	29	
30	56	51	54	2	51	11	0	1	0	.25	0	29.90	13	6.5	6.8	10	SE	0	0	10	10	30	
31	68	49	59	7	54	6	0	1	0	.15	0	29.79	13	8.0	8.5	18	SE	0	0	10	10	31	

MARCH 1976
 RICHMOND, VIRGINIA

US FILE COPY

* 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. 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS. FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK DUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

SUMMARY BY HOURS

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	NET BULB °F	DEW PT. °F	WIND CHILL °F				
01	6	29.90	48	44	39	73	6.5	21	2.4	
04	5	29.89	45	42	39	81	6.0	20	1.9	
07	7	29.92	45	42	40	84	5.7	18	1.6	
10	7	29.93	55	48	41	63	8.9	23	1.9	
13	7	29.88	61	51	40	52	10.1	23	5.0	
16	7	29.83	63	51	39	46	10.5	22	4.7	
19	6	29.85	55	48	39	58	8.6	18	1.8	
22	5	29.88	50	45	40	69	7.8	17	2.6	

CORRECTION - FEBRUARY: HEATING DEGREE DAY SEASON DEPARTURE SHOULD BE -432

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
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Thomas D. Potter
 DIRECTOR, NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	WIND DIR	WIND SPCD	TEMPERATURE				WIND DIR	WIND SPCD	WIND GUST	WIND DIR	WIND SPCD	WIND GUST	WIND DIR	WIND SPCD	WIND GUST	WIND DIR	WIND SPCD	WIND GUST		
				AIR * F	WET BULB * F	DEW PT. * F	REL. HUM. %													AIR * F	WET BULB * F
DAY 01																					
01	0	0	0	58	51	45	62	16	6	8	UNL	2	8	UNL	2	8	UNL	2	8	UNL	2
04	8	250	10	57	53	50	62	16	6	8	UNL	2	8	UNL	2	8	UNL	2	8	UNL	2
07	8	250	10	57	53	50	62	16	6	8	UNL	2	8	UNL	2	8	UNL	2	8	UNL	2
10	8	250	10	57	53	50	62	16	6	8	UNL	2	8	UNL	2	8	UNL	2	8	UNL	2
13	8	250	10	57	53	50	62	16	6	8	UNL	2	8	UNL	2	8	UNL	2	8	UNL	2
16	10	UNL	8	79	60	44	29	22	8	10	250	7	10	250	7	10	250	7	10	250	7
19	10	UNL	8	64	54	48	20	22	8	10	250	7	10	250	7	10	250	7	10	250	7
22	10	UNL	8	55	50	45	69	13	4	4	UNL	5	4	UNL	5	4	UNL	5	4	UNL	5
DAY 02																					
01	0	0	0	53	50	47	63	05	5	10	50	3	10	50	3	10	50	3	10	50	3
04	0	0	0	47	47	47	100	03	7	10	0	0	10	0	0	10	0	0	10	0	0
07	0	0	0	47	47	47	100	03	7	10	0	0	10	0	0	10	0	0	10	0	0
10	0	0	0	50	48	48	93	01	3	10	2	2	10	2	2	10	2	2	10	2	2
13	0	0	0	64	56	50	61	19	3	10	7	2	10	7	2	10	7	2	10	7	2
16	10	UNL	8	72	61	53	51	02	4	10	UNL	6	10	UNL	6	10	UNL	6	10	UNL	6
19	10	UNL	8	64	58	53	68	08	7	10	250	6	10	250	6	10	250	6	10	250	6
22	10	UNL	8	54	52	50	86	12	5	10	90	5	10	90	5	10	90	5	10	90	5
DAY 03																					
01	0	0	0	51	50	49	93	05	6	10	50	15	10	50	15	10	50	15	10	50	15
04	0	0	0	52	51	51	96	07	6	10	50	15	10	50	15	10	50	15	10	50	15
07	0	0	0	49	48	48	100	03	6	10	0	0	10	0	0	10	0	0	10	0	0
10	0	0	0	54	52	51	90	01	3	10	7	2	10	7	2	10	7	2	10	7	2
13	0	0	0	65	58	52	63	08	4	10	UNL	6	10	UNL	6	10	UNL	6	10	UNL	6
16	0	0	0	58	54	51	78	08	5	10	250	6	10	250	6	10	250	6	10	250	6
19	0	0	0	53	51	49	86	05	8	10	90	5	10	90	5	10	90	5	10	90	5
DAY 04																					
01	0	0	0	49	47	47	100	07	5	8	250	7	8	250	7	8	250	7	8	250	7
04	10	0	2	47	47	47	100	04	8	5	UNL	15	5	UNL	15	5	UNL	15	5	UNL	15
07	10	0	2	48	48	48	100	00	0	5	UNL	15	5	UNL	15	5	UNL	15	5	UNL	15
10	10	0	2	49	49	49	100	00	0	5	UNL	15	5	UNL	15	5	UNL	15	5	UNL	15
13	10	0	2	56	53	51	83	24	5	6	40	15	6	40	15	6	40	15	6	40	15
16	8	UNL	4	68	61	55	61	17	7	10	UNL	15	10	UNL	15	10	UNL	15	10	UNL	15
19	7	UNL	4	61	58	55	81	10	3	9	40	12	9	40	12	9	40	12	9	40	12
22	8	UNL	5	61	58	56	84	16	5	10	50	15	10	50	15	10	50	15	10	50	15
DAY 05																					
01	0	0	0	63	59	56	78	18	7	10	50	15	10	50	15	10	50	15	10	50	15
04	10	0	2	63	59	57	81	18	7	10	100	15	10	100	15	10	100	15	10	100	15
07	10	0	2	64	62	60	87	20	8	10	120	15	10	120	15	10	120	15	10	120	15
10	10	0	2	62	54	48	64	23	14	10	100	15	10	100	15	10	100	15	10	100	15
13	10	0	2	64	60	57	51	23	15	10	100	15	10	100	15	10	100	15	10	100	15
16	8	UNL	4	80	67	60	41	23	16	10	200	15	10	200	15	10	200	15	10	200	15
19	7	UNL	4	88	62	57	66	27	9	8	UNL	15	8	UNL	15	8	UNL	15	8	UNL	15
22	8	UNL	5	64	60	57	78	22	7	9	0	UNL	15	9	0	UNL	15	9	0	UNL	15
DAY 06																					
01	0	0	0	67	61	56	68	23	6	10	50	15	10	50	15	10	50	15	10	50	15
04	10	0	2	64	59	56	75	23	8	10	100	15	10	100	15	10	100	15	10	100	15
07	10	0	2	64	58	53	68	23	8	10	120	15	10	120	15	10	120	15	10	120	15
10	10	0	2	62	54	48	60	24	7	10	100	15	10	100	15	10	100	15	10	100	15
13	10	0	2	64	60	57	51	23	15	10	100	15	10	100	15	10	100	15	10	100	15
16	8	UNL	4	61	49	31	29	32	9	10	200	15	10	200	15	10	200	15	10	200	15
19	7	UNL	4	53	39	17	24	00	0	8	UNL	15	8	UNL	15	8	UNL	15	8	UNL	15
22	8	UNL	5	42	39	35	76	15	4	9	0	UNL	15	9	0	UNL	15	9	0	UNL	15
DAY 07																					
01	0	0	0	37	35	33	85	33	3	0	UNL	15	0	UNL	15	0	UNL	15	0	UNL	15
04	0	0	0	36	31	23	59	35	4	0	UNL	15	0	UNL	15	0	UNL	15	0	UNL	15
07	0	0	0	37	32	22	55	30	5	7	UNL	15	7	UNL	15	7	UNL	15	7	UNL	15
10	0	0	0	53	40	19	28	25	9	10	40	12	10	40	12	10	40	12	10	40	12
13	0	0	0	60	43	17	19	27	8	10	120	15	10	120	15	10	120	15	10	120	15
16	0	0	0	63	44	16	16	25	11	10	100	12	10	100	12	10	100	12	10	100	12
19	0	0	0	54	40	18	24	23	7	10	40	12	10	40	12	10	40	12	10	40	12
22	0	0	0	47	36	19	33	24	8	10	40	8	10	40	8	10	40	8	10	40	8
DAY 08																					
01	0	0	0	43	34	19	38	26	6	10	40	8	10	40	8	10	40	8	10	40	8
04	0	0	0	40	33	21	47	27	6	10	22	3	10	22	3	10	22	3	10	22	3
07	0	0	0	34	30	23	64	33	5	10	8	2	10	8	2	10	8	2	10	8	2
10	0	0	0	55	43	26	32	01	7	10	5	2	10	5	2	10	5	2	10	5	2
13	0	0	0	61	44	21	21	19	8	10	4	1	10	4	1	10	4	1	10	4	1
16	0	0	0	59	44	22	24	22	5	10	6	1	10	6	1	10	6	1	10	6	1
19	0	0	0	57	43	34	52	22	9	10	5	6	10	5	6	10	5	6	10	5	6
22	0	0	0	41	43	38	74	00	0	10	8	7	10	8	7	10	8	7	10	8	7
DAY 09																					
01	0	0	0	44	43	43	96	13	3	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
04	0	0	0	44	43	43	96	06	4	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
07	0	0	0	45	45	45	100	05	10	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
10	0	0	0	45	44	44	96	06	12	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
13	0	0	0	45	44	44	96	05	8	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
16	0	0	0	42	41	40	93	05	14	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
19	0	0	0	39	38	37	93	36	14	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
22	0	0	0	35	34	33	92	01	13	0	UNL	12	0	UNL	12	0	UNL	12	0	UNL	12
DAY 10																					
01	10	8	7	32	32	31	96	35	10	10	5	2	10	5	2	10	5	2	10	5	2
04	10	10	7	31	30	28	92	36	11	10	5	2	10	5	2	10	5	2	10	5	2
07	10	10	7	31	30	28	92	35	4	3	UNL	5	4	3	UNL	5	4	3	UNL	5	4
10	10	15	7	35	33	31	89	32	5	1	UNL	6	1	UNL	6	1	UNL	6	1	UNL	