

# Local Climatologic Data



## MONTHLY SUMMARY

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FT. STANDARD TIME USED: EASTERN WBAN #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		STATION PRES-SURE IN. - - - ELEV. FEET M.S.L.	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.)		1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GRAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	WATER EQUIVA- LENT IN.		SNOW-ICE PELLETS IN.	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	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	83	70	82	8	72	0	17	1	0	0	0	30.04	15	5.1	5.3	8	SE	780	100	2	1	1
2	95	69	82	8	70	0	17	1	0	0	0	29.89	20	5.2	5.3	11	S	750	99	4	1	2
3	95*	68	82	9	70	0	17	1	0	0	0	29.90	18	1.8	4.2	14	N	665	86	4	1	3
4	88	70	76	6	72	0	14	1	0	0	0	29.87	11	2.2	3.6	8	SE	642	83	4	6	4
5	93	70	82	9	71	0	17	1	0	0	0	29.80	19	5.8	6.5	11	SW	533	69	5	7	5
6	92	71	82	9	72	0	17	1	0	.01	0	29.81	15	3.4	5.8	16	N	657	86	7	7	6
7	84	71	78	5	72	0	13	1 3	0	.16	0	29.87	04	4.8	7.2	10	NE	489	64	10	10	7
8	75	69	72	0	69	0	7	1	0	.07	0	29.88	06	6.7	6.8	11	NE	47	6	10	10	8
9	73	68	71	-1	71	0	6	1	0	1.34	0	29.77	02	8.3	9.5	16	NE	0	0	10	10	9
10	89	68	79	-7	69	0	14	1	0	0	0	29.72	29	6.6	7.9	12	W	415	55	6	6	10
11	79	54	67	-5	55	0	2	1	0	0	0	29.89	35	7.8	7.9	17	N	756	100	0	0	11
12	78	50	64	-7	53	1	0	0	0	0	0	30.04	11	2.0	5.5	7	SE	643	85	6	6	12
13	84	55	70	-1	59	0	5	0	0	0	0	29.90	20	7.1	7.6	14	SW	687	71	6	6	13
14	89	66	78	7	67	0	13	0	0	0	0	29.79	25	3.6	9.4	17	W	679	91	7	7	14
15	76	65	71	1	60	0	6	0	0	0	0	30.12	06	6.9	7.2	12	W	661	88	8	8	15
16	85	66	76	6	68	0	11	1 3	0	.33	0	30.10	15	4.1	5.8	17	SW	521	70	8	8	16
17	84	69	77	7	71	0	12	1	0	.25	0	29.93	23	4.3	5.6	9	N	515	68	10	9	17
18	91	63	77	8	69	0	12	1	0	0	0	29.76	20	4.0	4.5	9	SW	661	89	5	3	18
19	93	70	82*	13	71	0	17	1	0	0	0	29.65	22	6.3	6.6	11	SW	517	70	4	3	19
20	88	69	76	9	68	0	13	0	0	0	0	29.65	25	6.0	7.1	11	NW	553	75	7	5	20
21	81	61	71	2	59	0	6	0	0	0	0	29.82	01	7.0	7.2	14	N	692	95	3	3	21
22	78	58	68	0	61	0	3	1	0	0	0	29.92	01	1.2	4.8	10	E	571	78	8	3	22
23	81	54	68	0	61	0	3	2	0	0	0	29.91	15	3.8	5.2	0	SW	588	81	7	6	23
24	85	61	73	6	65	0	8	1	0	0	0	29.81	19	5.4	6.2	10	SW	548	76	9	8	24
25	90	67	79	12	67	0	14	1	0	0	0	29.73	20	1.8	5.3	9	W	515	71	6	8	25
26	88	70	79	12	70	0	14	1	0	0	0	29.63	21	6.6	7.1	14	W	495	69	9	7	26
27	87	58	73	7	65	0	8	1	0	0	0	29.60	24	4.8	5.8	10	SW	493	69	9	5	27
28	79	57	68	2	57	0	3	0	0	0	0	29.67	34	8.2	8.5	15	N	716	100	4	2	28
29	76	47*	62*	-4	52	3	0	1	0	0	0	29.81	36	2.5	4.2	12	N	681	96	6	5	29
30	81	68	75	0	55	0	0	0	0	0	0	29.83	16	5.1	5.8	10	SW	711	100	1	3	30

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SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM			
2550	1901					4	289	NUMBER OF DAYS	2.16	0	29.84	20	.8	6.3	17	SW	17183	FOR 182	170		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION	DEP.						DATE: 16+	POSSIBLE MONTH	AVG.	AVG.			
85.0	63.4	74.2	4.2	65	-17	118		>.01 INCH	6	-1.42							22363	77	6.1	5.7	
NUMBER OF DAYS				TOTAL				SNOW, ICE PELLETS > 1.0 INCH				GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE					
MAXIMUM TEMP.		MINIMUM TEMP.		DEP.		DEP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS									
≥ 90°		≤ 32°		≤ 0°		≤ 0°		HEAVY FOG		1		1.34		0							
8		0		0		-17		437		CLEAR		5		PARTLY CLOUDY		15		CLOUDY		10	

\* 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 DR

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 GUST 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	SPEED M.P.H.
			AIR °F	WET	BULB °F	DEW PT. °F				
01	9	29.85	68	66	65	81	5.1	18	9	
04	9	29.84	67	65	64	83	5.3	20	6	
07	9	29.86	67	66	65	83	5.6	24	6	
10	9	29.87	78	70	66	68	7.9	25	1.7	
13	7	29.84	83	71	65	55	7.7	24	1.5	
16	7	29.80	83	71	65	56	8.0	20	1.4	
19	6	29.81	74	68	67	78	5.2	13	1.6	
22	6	29.84	71	68	66	66	5.8	14	8	

### 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																								
2																								
3																								
4																								
5																								
6																								
7																								
8	T	T	.01	.08	.06	.01	T	.01	.02	T														
9	T	.03	.02	.02	.01	.09	.20	.04	.07	.05	.30	.25	.04	.02	.03	.03	.08	.05	T	T	T	T	.01	.01
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