

Local Climatological Data

MONTHLY SUMMARY



LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FT. STANDARD TIME USED: EASTERN WBAN #13781

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE				SNOW, ICE		PRECIPITATION		STATION PRESSURE		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)	1 FOG	2 HEAVY FOG	3 THUNDERSTORM	4 ICE PELLETS	5 HAIL	6 SLAZE	7 DUSTSTORM	8 SMOKE, HAZE	9 BLOWING SNOW	ICE ON GROUND AT 07 AM	WATER EQUIVA- LENT IN	SNOW, ICE PELLETS IN	IN. FEET M.S.L.	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST M.P.H.	DIRECTION	MINUTES	PERCENT OF POSSIBLE		SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
1	43	24	34	-5	20	31	0				8						0	0	0	30.09	23	1.3	2.5	12	17			3	3	1			
2	41	22	32	-7	18	33	0				8						0	0	0	30.17	32	11.5	11.9	20	33			6	6	2			
3	41	21	31	-7	15	34	0										0	0	0	30.40	29	4.8	7.2	13	33			6	6	3			
4	50	23	37	-1	19	28	0										0	0	0	30.03	26	4.9	5.0	16	27			5	5	4			
5	55	23	39	1	23	26	0				8						0	0	0	29.88	18	4.9	5.0	15	19			5	4	5			
6	51	30	41	4	34	24	0										0	.35	0	29.65	17	5.2	5.3	14	26			10	8	6			
7	51	36	44	7	30	21	0										0	0	0	29.70	28	6.4	9.4	15	31			1	2	7			
8	49	30	40	4	21	25	0										0	0	0	30.01	29	14.8	16.5	30	31			4	3	8			
9	40	26	33	-3	16	32	0										0	0	0	30.33	25	6.3	8.5	15	20			6	6	9			
10	50	30	40	4	25	25	0										0	0	0	30.19	18	4.8	6.5	12	17			8	4	10			
11	61	31	46	10	33	19	0				8						0	0	0	30.14	22	3.6	3.6	13	22			2	2	11			
12	64*	37	51*	16	39	14	0										0	T	0	30.07	21	2.6	2.6	10	21			5	4	12			
13	55	39	47	12	40	18	0				1						0	.49	0	30.02	03	8.0	9.2	15	31			10	10	13			
14	42	25	34	-1	23	31	0										0	0	0	30.22	33	8.9	9.1	18	32			7	5	14			
15	40	25	33	-1	20	32	0										0	0	0	30.40	14	1.4	4.2	8	17			0	0	15			
16	47	30	39	5	34	26	0				2						0	.12	0	30.04	00	.0	.0	6	27			10	10	16			
17	47	19	33	-1	9	32	0				1						0	0	0	30.07	32	19.4	20.0	28	32			0	0	17			
18	31	19*	25*	-9	7	40	0										0	0	0	30.21	29	9.4	9.6	17	31			7	6	18			
19	29	25	27	-7	16	38	0				1						0	.10	1	30.16	07	8.4	8.9	18	04			10	9	19			
20	33	25	29	-4	20	36	0										0	.01	0	30.42	04	14.5	14.7	17	03			10	10	20			
21	36	21	29	-4	22	36	0										0	0	0	30.45	03	8.3	8.6	14	02			10	7	21			
22	46	33	40	7	33	25	0										0	T	0	30.22	02	3.0	4.2	8	06			10	10	22			
23	49	36	43	10	38	22	0				2						0	T	0	30.08	21	1.1	2.7	8	18			10	10	23			
24	56	42	49	16	45	16	0				2						0	.05	0	29.87	14	3.3	4.9	16	17			10	10	24			
25	59	41	50	17	43	15	0				1						0	.32	0	29.40	21	7.3	13.5	21	15			7	8	25			
26	49	35	42	9	29	23	0										0	T	0	29.69	32	15.5	15.7	24	32			6	6	26			
27	43	32	38	6	22	27	0										0	0	0	29.97	31	14.5	14.8	22	32			6	2	27			
28	49	33	41	9	22	24	0										0	0	0	30.08	30	16.2	16.4	23	32			0	0	28			
29	52	33	43	11	25	22	0										0	0	0	29.99	29	11.5	11.8	17	31			0	0	29			
30	53	29	41	9	22	24	0										0	0	0	29.79	30	7.7	8.5	21	31			1	0	30			
31	49	24	37	5	21	28	0										0	0	0	29.87	34	6.5	6.9	13	36			0	1	31			
SUM		SUM				TOTAL	TOTAL							TOTAL		TOTAL		FOR THE MONTH:				TOTAL		%	SUM	SUM							
1461		899				827	0	NUMBER OF DAYS				1.44		1.4		30.05		31		4.2		8.6		30		31		FOR		170		150	
AVG.		AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION				DEP.										DATE: 08		POSSIBLE		MONTH		AVG.		AVG.			
47.1		29.0	38.1	3.4	25	-112	0	>.01 INCH				7		-1.88														5.5		4.8			
NUMBER OF DAYS						SEASON TO DATE		TOTAL		SNOW, ICE PELLETS		1		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE								21+							
MAXIMUM TEMP.		MINIMUM TEMP.		1645		990		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS																			
> 90°		< 32°		< 32°		< 0°		DEP.		DEP.		HEAVY FOG		3		.49		13		1.4		19-20											
0°		2°		21°		0°		-159		-2		CLEAR TO		PARTLY CLOUDY		11		CLOUDY		10													

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T 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 GUST SPEED.
ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

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.
				AIR °F	WET BULB °F	DEW PT. °F					
01	4	30.03	35	32	25	68	7.4	30	4.6		
04	4	30.04	34	31	25	68	7.1	33	4.0		
07	6	30.07	33	30	23	69	7.5	32	4.2		
10	6	30.10	39	34	25	58	10.7	31	6.0		
13	5	30.05	44	37	25	50	12.2	30	5.5		
16	5	30.03	44	37	26	52	9.9	30	4.3		
19	5	30.03	39	34	26	62	7.5	30	2.9		
22	4	30.04	36	33	26	68	6.8	31	2.5		

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	
1																							1
2																							2
3																							3
4																							4
5																							5
6																							6
7																							7
8																							8
9																							9
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27																							27
28																							28
29																							29
30																							30
31																							31

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OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	TEMPERATURE	WIND	VISIBILITY	WEATHER	HOUR	SKY COVER	TEMPERATURE	WIND	VISIBILITY	WEATHER	HOUR	SKY COVER	TEMPERATURE	WIND	VISIBILITY	WEATHER
		AIR ° F	REL. HUM. %	CEILING FT.				AIR ° F	REL. HUM. %	CEILING FT.				AIR ° F	REL. HUM. %	CEILING FT.	
01	2 UNL	28	24	15	DAY 01	01	0 UNL	27	26	22	DAY 02	01	0 UNL	25	21	10	DAY 03
04	6 UNL	28	24	15		04	0 UNL	27	26	22		04	0 UNL	25	21	10	
07	4 UNL	28	24	15		07	0 UNL	27	26	22		07	0 UNL	25	21	10	
10	8 UNL	28	24	15		10	0 UNL	27	26	22		10	0 UNL	25	21	10	
13	1 UNL	28	24	15		13	0 UNL	27	26	22		13	0 UNL	25	21	10	
16	0 UNL	28	24	15		16	0 UNL	27	26	22		16	0 UNL	25	21	10	
19	4 UNL	28	24	15		19	0 UNL	27	26	22		19	0 UNL	25	21	10	
22	3 UNL	28	24	15		22	0 UNL	27	26	22		22	0 UNL	25	21	10	
01	0 UNL	26	24	18	DAY 04	01	0 UNL	29	27	19	DAY 05	01	0 UNL	39	35	28	DAY 06
04	0 UNL	26	24	18		04	0 UNL	29	27	19		04	0 UNL	39	35	28	
07	0 UNL	26	24	18		07	0 UNL	29	27	19		07	0 UNL	39	35	28	
10	0 UNL	26	24	18		10	0 UNL	29	27	19		10	0 UNL	39	35	28	
13	1 UNL	26	24	18		13	0 UNL	29	27	19		13	0 UNL	39	35	28	
16	7 UNL	26	24	18		16	0 UNL	29	27	19		16	0 UNL	39	35	28	
19	6 UNL	26	24	18		19	0 UNL	29	27	19		19	0 UNL	39	35	28	
22	8 UNL	26	24	18		22	0 UNL	29	27	19		22	0 UNL	39	35	28	
01	10 UNL	49	44	39	DAY 07	01	0 UNL	42	38	33	DAY 08	01	0 UNL	31	26	13	DAY 09
04	0 UNL	49	44	39		04	0 UNL	42	38	33		04	0 UNL	31	26	13	
07	0 UNL	49	44	39		07	0 UNL	42	38	33		07	0 UNL	31	26	13	
10	0 UNL	49	44	39		10	0 UNL	42	38	33		10	0 UNL	31	26	13	
13	1 UNL	49	44	39		13	0 UNL	42	38	33		13	0 UNL	31	26	13	
16	5 UNL	49	44	39		16	0 UNL	42	38	33		16	0 UNL	31	26	13	
19	0 UNL	49	44	39		19	0 UNL	42	38	33		19	0 UNL	31	26	13	
22	0 UNL	49	44	39		22	0 UNL	42	38	33		22	0 UNL	31	26	13	
01	0 UNL	33	29	21	DAY 10	01	0 UNL	39	37	33	DAY 11	01	0 UNL	45	40	33	DAY 12
04	0 UNL	33	29	21		04	0 UNL	39	37	33		04	0 UNL	45	40	33	
07	0 UNL	33	29	21		07	0 UNL	39	37	33		07	0 UNL	45	40	33	
10	0 UNL	33	29	21		10	0 UNL	39	37	33		10	0 UNL	45	40	33	
13	0 UNL	33	29	21		13	0 UNL	39	37	33		13	0 UNL	45	40	33	
16	3 UNL	33	29	21		16	0 UNL	39	37	33		16	0 UNL	45	40	33	
19	0 UNL	33	29	21		19	0 UNL	39	37	33		19	0 UNL	45	40	33	
22	0 UNL	33	29	21		22	0 UNL	39	37	33		22	0 UNL	45	40	33	
01	10 UNL	53	49	46	DAY 13	01	10 UNL	38	35	30	DAY 14	01	0 UNL	26	24	20	DAY 15
04	10 UNL	53	49	46		04	10 UNL	38	35	30		04	0 UNL	26	24	20	
07	10 UNL	53	49	46		07	10 UNL	38	35	30		07	0 UNL	26	24	20	
10	10 UNL	53	49	46		10	10 UNL	38	35	30		10	0 UNL	26	24	20	
13	10 UNL	53	49	46		13	10 UNL	38	35	30		13	0 UNL	26	24	20	
16	10 UNL	53	49	46		16	10 UNL	38	35	30		16	0 UNL	26	24	20	
19	10 UNL	53	49	46		19	10 UNL	38	35	30		19	0 UNL	26	24	20	
22	10 UNL	53	49	46		22	10 UNL	38	35	30		22	0 UNL	26	24	20	
01	9 UNL	33	30	26	DAY 16	01	9 UNL	46	43	39	DAY 17	01	0 UNL	19	16	05	DAY 18
04	10 UNL	33	30	26		04	10 UNL	46	43	39		04	0 UNL	19	16	05	
07	10 UNL	33	30	26		07	10 UNL	46	43	39		07	0 UNL	19	16	05	
10	10 UNL	33	30	26		10	10 UNL	46	43	39		10	0 UNL	19	16	05	
13	10 UNL	33	30	26		13	10 UNL	46	43	39		13	0 UNL	19	16	05	
16	10 UNL	33	30	26		16	10 UNL	46	43	39		16	0 UNL	19	16	05	
19	10 UNL	33	30	26		19	10 UNL	46	43	39		19	0 UNL	19	16	05	
22	10 UNL	33	30	26		22	10 UNL	46	43	39		22	0 UNL	19	16	05	
01	7 UNL	26	21	08	DAY 19	01	7 UNL	25	24	19	DAY 20	01	0 UNL	27	25	18	DAY 21
04	10 UNL	26	21	08		04	10 UNL	25	24	19		04	0 UNL	27	25	18	
07	10 UNL	26	21	08		07	10 UNL	25	24	19		07	0 UNL	27	25	18	
10	10 UNL	26	21	08		10	10 UNL	25	24	19		10	0 UNL	27	25	18	
13	10 UNL	26	21	08		13	10 UNL	25	24	19		13	0 UNL	27	25	18	
16	10 UNL	26	21	08		16	10 UNL	25	24	19		16	0 UNL	27	25	18	
19	10 UNL	26	21	08		19	10 UNL	25	24	19		19	0 UNL	27	25	18	
22	10 UNL	26	21	08		22	10 UNL	25	24	19		22	0 UNL	27	25	18	
01	10 UNL	34	31	27	DAY 22	01	10 UNL	40	38	35	DAY 23	01	0 UNL	43	42	40	DAY 24
04	10 UNL	34	31	27		04	10 UNL	40	38	35		04	0 UNL	43	42	40	
07	10 UNL	34	31	27		07	10 UNL	40	38	35		07	0 UNL	43	42	40	
10	10 UNL	34	31	27		10	10 UNL	40	38	35		10	0 UNL	43	42	40	
13	10 UNL	34	31	27		13	10 UNL	40	38	35		13	0 UNL	43	42	40	
16	10 UNL	34	31	27		16	10 UNL	40	38	35		16	0 UNL	43	42	40	
19	10 UNL	34	31	27		19	10 UNL	40	38	35		19	0 UNL	43	42	40	
22	10 UNL	34	31	27		22	10 UNL	40	38	35		22	0 UNL	43	42	40	
01	10 UNL	56	54	52	DAY 25	01	10 UNL	43	39	34	DAY 26	01	0 UNL	33	30	23	DAY 27
04	10 UNL	56	54	52		04	10 UNL	43	39	34		04	0 UNL	33	30	23	
07	10 UNL	56	54	52		07	10 UNL	43	39	34		07	0 UNL	33	30	23	
10	10 UNL	56	54	52		10	10 UNL	43	39	34		10	0 UNL	33	30	23	
13	10 UNL	56	54	52		13	10 UNL	43	39	34		13	0 UNL	33	30	23	
16	10 UNL	56	54	52		16	10 UNL	43	39	34		16	0 UNL	33	30	23	
19	10 UNL	56	54	52		19	10 UNL	43	39	34		19	0 UNL	33	30	23	
22	10 UNL	56	54	52		22	10 UNL	43	39	34		22	0 UNL	33	30	23	
01	0 UNL	33	28	19	DAY 28	01	0 UNL	36	31	22	DAY 29	01	0 UNL	35	29	18	DAY 30
04	0 UNL	33	28	19		04	0 UNL	36	31	22		04	0 UNL	35	29	18	
07	0 UNL	33	28	19		07	0 UNL	36	31	22		07	0 UNL	35	29	18	
10	0 UNL	33	28	19		10	0 UNL	36	31	22		10	0 UNL	35	29	18	
13	0 UNL	33	28	19		13	0 UNL	36	31	22		13	0 UNL	35	29	18	
16	0 UNL	33	28	19		16	0 UNL	36	31	22		16	0 UNL	35	29	18	
19	0 UNL	33	28	19		19	0 UNL	36	31	22		19	0 UNL	35	29	18	
22	0 UNL	33	28	19		22	0 UNL	36	31	22		22	0 UNL	35	29	18	
01	1 UNL	30	28	23	DAY 31	01	1 UNL	36	32	22		01	0 UNL	42	35	24	
04	2 UNL	30	28	23		04	2 UNL	36	32	22		04	0 UNL	42	35	24	
07	3 UNL	30	28	23		07	3 UNL	36	32	22		07	0 UNL	42	35	24	
10	0 UNL	30	28	23		10	0 UNL	36	32	22		10	0 UNL	42	35	24	
13	0 UNL	30	28	23		13	0 UNL	36	32	22		13	0 UNL	42	35	24	
16	0 UNL	30	28	23		16	0 UNL	36	32	22		16	0 UNL	42	35	24	
19	1 UNL	30	28	23		19	1 UNL	36	32	22		19	0 UNL	42	35	24	
22	1 UNL	30	28	23		22	1 UNL	36	32	22		22	0 UNL	42	35	24	

NOTES

CEILING
UNL INDICATES UNLIMITED

WEATHER

* TORNADO
T THUNDERSTORM
O SQUALL
R RAIN
RW RAIN SHOWERS
ZR FREEZING RAIN
L DRIZZLE
ZL FREEZING DRIZZLE
S SNOW
SP SNOW PELLETS
IC ICE CRYSTALS
SW SNOW SHOWERS
SG SNOW GRAINS
IP ICE PELLETS
A HAIL
F FOG
IF ICE FOG
GF GROUND FOG
BD BLOWING DUST
BN BLOWING SAND
BS BLOWING SNOW
BY BLOWING SPRAY
K SMOKE
H HAZE
D DUST

WIND

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS 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.