

PRELIMINARY LOCAL CLIMATOLOGICAL DATA MONTH December YEAR 2024

LATITUDE 42° 13' N LONGITUDE 71° 07' W GROUND ELEVATION 629 FT. STANDARD TIME Eastern

DAY	TEMPERATURE °F			DEPARTURE FROM NORMAL	DEGREE DAYS (Base 65°)		PRECIPITATION (in.)		SNOW, ICE PELLETS OR ICE ON GROUND AT 0700E	WIND		SUNSHINE		SKY COVER SUNSHINE TO SUNSET (tenths)	WEATHER OCCURRENCES	PEAK GUST (m.p.h.)	DIRECTION OF PEAK GUST	AVG STATION PRESSURE (mb.)	AVG STATION VAPOR PRESSURE (mb.)				
	MAXIMUM	MINIMUM	AVERAGE		HEATING	COOLING	TOTAL (Water Equivalent)	SNOWFALL, ICE PELLETS		AVERAGE SPEED (m.p.h.)	FASTEST MILE	TOTAL (Min.)	PERCENT OF POSSIBLE										
1	2	3	4	5	6a	6b	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
1	37	23	30	-7	35	0	0.00	0.0	0	10.3	16	W	452	81			21	WSW	992	3.1			
2	38	22	30	-7	35	0	0.00	0.0	0	8.5	15	W	551	99			18	W	994	3.0			
3	36	20	28	-8	37	0	0.00	0.0	0	8.0	15	NW	411	74			21	NW	998	3.0			
4	39	22	31	-5	34	0	0.13	T	0	10.2	22	SSE	394	71		1,2	30	S	995	4.7			
5	37	31	34	-2	31	0	0.40	3.0	2	14.9	29	WNW	72	13		1,2,6	43	WNW	977	5.3			
6	31	23	27	-8	38	0	0.00	0.0	1	16.0	28	NW	514	93			39	NW	989	2.6			
7	37	22	30	-5	35	0	T	T	1	10.5	18	W	408	74			25	S	993	3.4			
8	47	28	38	3	27	0	0.02	T	1	16.2	29	SSW	198	36		1,2	37	SSW	984	5.2			
9	47	34	41	7	24	0	0.41	0.0	T	9.3	21	ENE	187	34		1,2	28	ENE	995	7.0			
10	42	31	37	3	28	0	0.15	0.0	0	9.0	20	NE	0	0		1,2,6	31	NE	996	6.0			
11	62	36	49	15	16	0	3.38	0.0	0	21.6	49	SSW	0	0		1,2,3	65	SSW	982	13.3			
12	53	25	39	5	26	0	0.05	0.0	0	17.4	34	WNW	460	84		1	51	WNW	993	3.9			
13	31	19	25	-8	40	0	0.00	0.0	0	10.7	21	WNW	514	94			30	WNW	1011	2.2			
14	33	17	25	-8	40	0	0.00	0.0	0	7.4	16	NNW	546	100			20	NW	1021	2.2			
15	34	17	26	-7	39	0	0.00	0.0	0	5.8	11	N	377	69			17	N	1018	2.9			
16	45	29	37	5	28	0	T	0.0	0	11.8	24	SSE	5	1		1	35	SSE	1007	6.6			
17	59	41	50	18	15	0	0.25	0.0	0	17.1	33	S	360	66		1	48	SSW	994	11.2			
18	50	36	43	11	22	0	0.57	0.0	0	8.7	16	S	507	93		1	21	S	997	6.7			
19	44	30	37	5	28	0	0.13	0.0	0	10.0	22	NW	425	78		1	31	NW	998	5.0			
20	32	24	28	-3	37	0	1.17	9.4	T	10.8	18	NNW	0	0		1,2	28	NNE	995	5.2			
21	26	12	19	-12	46	0	0.00	0.0	8	14.5	26	NW	262	48			38	NW	989	3.0			
22	17	6	12	-19	53	0	0.00	0.0	7	13.0	24	NW	544	100			33	NW	1003	1.3			
23	26	4	15	-16	50	0	0.00	0.0	7	9.5	17	NNW	420	77			21	S	1010	2.0			
24	31	19	25	-5	40	0	0.02	0.2	7	10.6	19	SW	82	15		1	29	WSW	1000	3.7			
25	31	20	26	-4	39	0	0.00	0.0	7	8.0	12	NNW	540	99			18	NNW	1004	2.9			
26	38	23	31	1	34	0	0.00	0.0	6	4.6	12	N	240	44			15	N	1007	3.7			
27	42	21	32	2	33	0	0.00	0.0	6	7.8	16	SW	480	88			20	SSW	1005	5.4			
28	45	31	38	9	27	0	0.18	0.0	6	11.2	16	SW	0	0		1,2	21	SW	1000	8.2			
29	53	44	49	20	16	0	0.05	0.0	1	11.3	26	S	0	0		1,2	32	S	995	11.3			
30	56	42	49	20	16	0	0.67	0.0	0	17.6	29	S	126	23		1,2	40	S	981	10.2			
31	53	37	45	16	20	0	0.00	0.0	0	10.7	22	ESE	483	88			29	E	988	6.9			
SUM	1252	789			989	0	7.58	12.6		353.0			9558							161.1			
AVG	40.4	25.5								11.4	FASTEST	DIR.	POSSIBLE	%						5.2			
											MISC.	49	SSW	16999	56					65	SSW		

TEMPERATURE DATA		TOTAL FOR THE MONTH		WEATHER		SYMBOLS USED IN COLUMN 16											
AVERAGE MONTHLY	33.0	TOTAL FOR THE MONTH	7.58 IN.	NUMBER OF DAYS -		1 = FOG REDUCING VISIBILITY TO 6 MILES OR LESS											
DEPARTURE FROM NORMAL	+0.5	DEPARTURE FROM NORMAL	+2.19 IN.	CLEAR (Scale 0-3)		2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS											
HIGHEST	62 ON 11th	GRTST IN 24 HRS.	3.43 ON 11-12th	PARTLY CLOUDY (Scale 4-7)		3 = THUNDER											
LOWEST	4 ON 23rd	SNOWFALL, ICE PELLETS		CLOUDY (Scale 8-10)		4 = ICE PELLETS											
NUMBER OF DAYS WITH -		TOTAL FOR THE MONTH	12.6 IN.	WITH 0.01 INCH OR MORE PRECIP.	15	5 = HAIL											
MAX 32° OR BELOW	8	GRTST IN 24 HRS.	9.4 ON 20th	WITH 0.10 INCH OR MORE PRECIP.	11	6 = GLAZE OR RIME											
MAX 90° OR ABOVE	0	GRTST DEPTH 07E	8 ON 21st	WITH 0.50 INCH OR MORE PRECIP.	4	7 = BLOWING DUST OR BLOWING SAND											
MIN 32° OR BELOW	24	PRESSURE DATA		WITH 1.00 INCH OR MORE PRECIP.	2	REDUCING VISIBILITY TO 1/4 MILE OR LESS											
MIN 0° OR BELOW	0	HIGHEST SEA-LEVEL	30.924 IN. ON 14-Dec			8 = SMOKE OR HAZE											
HEATING DEGREE DAYS (Base 65°)		LOWEST SEA-LEVEL	29.403 IN. ON 5-Dec			9 = BLOWING SNOW											
TOTAL THIS MONTH	989	MAXIMUM PRECIPITATION				X = TORNADO											
DEPARTURE FROM NORMAL	-17	DT (Minutes)	5 10 15 20 30 45 60 80 100 120 150 180														
SEASONAL TOTAL	1932	PRECIPITATION (inches)	0.07 0.18 0.23 0.36 0.48 0.52 0.54 0.62 0.65 0.77 0.97 1.01														
DEPARTURE FROM NORMAL	-278	ENDED: DATE	11-Dec 11-Dec 11-Dec 11-Dec 11-Dec 11-Dec 11-Dec 11-Dec 11-Dec 11-Dec 11-Dec 11-Dec														
COOLING DEGREE DAYS (Base 65°)		TIME	1407E 1647E 1415E 1415E 1422E 1442E 1430E 1450E 1510E 1820E 1850E 1920E														
TOTAL THIS MONTH	0	BAROMETRIC PRESSURE				AVERAGE RELATIVE HUMIDITY											
DEPARTURE FROM NORMAL	0	Hpc. 649 FT. MSL				1AM: 82% 1PM: 66%											
SEASONAL TOTAL	768	Avg Station Pressure:	29.441 in.			7AM: 85% 7PM: 73%											
DEPARTURE FROM NORMAL	+91	Avg Sea Level Pressure:	30.168 in.			Pk. Gust ASOS OUT OF SERVICE											
		CLIMAT	74492 9970 0216 0006 05213 01935 15924 0989			PREV. WIND DIR. W 13%											
						STATION INDEX NO: 19-0736-02											