

DIVISION: 1
COUNTY: MARQUETTE

MARQUETTE CITY
STATION #5178
PERIOD ANALYSIS FOR 1981-2010 (30 YEARS)
AVERAGE MINIMUM TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	-4.6	4.9	12.5	26.4	31.5	50.6	54.3	54.1	42.2	31.5	27.4	9.4	28.3
1982	-12.4	-2.4	13.8	24.8	45.9	42.3	54.1	47.6	43.1	34.2	16.9	13.4	26.8
1983	4.3	14.3	18.8	22.1	34.1	49.0	58.2	55.5	46.3	32.4	24.2	-4.8	29.5
1984	-3.5	14.0	3.4	28.7	34.9	51.7	51.4	55.2	41.4	39.1	23.0	7.4	28.9
1985	-1.5	-1.4	20.4	32.7	42.7	45.8	52.0	50.3	45.3	35.5	16.8	-.6	28.2
1986	4.5	4.2	18.0	34.6	43.9	49.1	56.9	50.0	45.6	34.1	17.3	12.0	30.8
1987	8.2	13.1	22.7	32.2	43.7	51.3	55.9	52.2	47.8	31.3	26.9	16.4	33.5
1988	.4	-4.2	15.3	28.7	44.1	50.9	56.3	56.3	45.4	29.6	30.0	6.3	29.9
1989	6.5	-7.7	6.5	24.6	39.9	46.7	55.7	53.4	43.9	34.4	15.1	-3.7	26.3
1990	7.7	1.9	17.6	31.4	36.6	51.8	53.4	53.3	45.3	31.9	24.4	6.2	30.1
1991	-3.5	5.7	15.1	32.4	46.2	53.8	54.7	54.4	43.5	31.3	16.6	8.4	29.9
1992	8.9	11.5	12.7	26.8	41.4	46.3	48.6	48.2	42.2	32.3	20.8	9.4	29.1
1993	3.2	1.2	12.3	26.2	39.5	48.4	55.8	54.0	39.3	30.0	18.4	11.1	28.3
1994	-10.0	-4.0	14.7	25.9	40.2	51.1	54.2	51.1	48.8	37.5	24.1	13.4	28.9
1995	6.4	4.1	18.0	22.3	39.1	53.3	55.5	57.4	41.3	36.4	11.4	4.6	29.1
1996	-5.7	-2.1	4.9	20.7	37.5	51.6	52.0	53.0	46.8	33.5	15.9	8.9	26.4
1997	.3	4.1	11.6	24.4	34.0	53.3	54.7	50.0	46.3	35.8	18.6	16.9	29.2
1998	10.2	21.2	16.0	32.1	44.3	53.2	57.1	56.4	49.2	37.4	28.5	14.8	35.0
1999	.8	12.0	14.4	30.7	44.3	51.6	58.2	53.7	45.7	32.2	28.4	13.3	32.1
2000	2.3	11.0	21.9	28.7	42.8	46.3	55.4	54.0	43.3	37.5	25.6	-1.0	30.6
2001	8.6	-.8	12.8	31.5	42.9	52.6	55.6	55.6	44.7	34.2	32.4	18.5	32.4
2002	10.9	14.1	5.3	27.8	36.3	52.2	60.0	55.2	47.6	30.2	20.3	12.3	31.0
2003	.9	-3.3	12.7	25.2	39.0	49.6	54.9	56.2	48.0	34.1	21.3	14.0	29.4
2004	-2.1	8.2	19.1	28.3	37.8	47.7	53.2	48.3	49.9	37.1	26.6	7.6	30.1
2005	1.0	10.6	10.1	32.8	40.3	54.7	56.6	55.7	48.4	37.9	23.2	11.6	31.9
2006	17.5	2.2	16.4	35.0	44.6	51.3	60.0	55.4	42.9	30.1	27.3	16.9	33.3
2007	8.6	-3.1	18.2	27.0	45.3	53.1	56.4	55.7	48.4	41.1	23.8	7.5	31.8
2008	5.8	-1.2	6.8	28.0	37.4	49.9	55.2	51.1	47.3	35.9	22.4	.2	28.2
2009	-5.0	5.9	14.6	29.3	39.0	49.2	50.9	51.5	48.8	32.2	29.5	6.9	29.4
2010	8.4	2.9	21.9	32.7	44.9	51.5	58.9	57.9	43.4	37.4	25.1	9.2	32.8
NON-ZERO	0	0	0	0	0	0	0	0	0	0	0	0	0
ZEROES	0	0	0	0	0	0	0	0	0	0	0	0	0
PROB OF ZERO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: STATISTICS ARE COMPUTED ON THE ALL THE VALUES.

NUMBER YEARS	30	30	30	30	30	30	30	30	30	30	30	30	30
MEAN	2.57	4.56	14.28	28.47	40.47	50.33	55.20	53.42	45.40	34.27	22.74	8.88	30.04
VARIANCE	21.42	29.29	26.70	14.39	15.98	7.98	6.83	7.91	7.49	9.11	26.62	19.00	4.48
STND DEV	4.63	5.41	5.17	3.79	4.00	2.82	2.61	2.81	2.74	3.02	5.16	4.36	2.12
SKEW	2.01	2.01	-.44	-.16	-.41	-.88	-.32	-.52	-.26	.27	-.22	.96	.34
KURTOSIS	5.10	4.82	2.52	2.18	2.19	3.47	3.16	2.29	2.18	2.19	2.26	2.92	2.71

NOTE: A MISSING OR INCOMPLETE VALUE, INDICATED BY THE FIELD BEING FILLED WITH 9s, IS NOT INCLUDED IN THE ANALYSIS.

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PARAMETER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
NUMBER YEARS	30	30	30	30	30	30	30	30	30	30	30	30	30
MEAN	2.57	4.56	14.28	28.47	40.47	50.33	55.20	53.42	45.40	34.27	22.74	8.88	30.04
VARIANCE	21.42	29.29	26.70	14.39	15.98	7.98	6.83	7.91	7.49	9.11	26.62	19.00	4.48
STND DEV	4.63	5.41	5.17	3.79	4.00	2.82	2.61	2.81	2.74	3.02	5.16	4.36	2.12
SKEW	2.01	2.01	-.44	-.16	-.41	-.88	-.32	-.52	-.26	.27	-.22	.96	.34
KURTOSIS	5.10	4.82	2.52	2.18	2.19	3.47	3.16	2.29	2.18	2.19	2.26	2.92	2.71

LEVELS

PROBABILITY PERCENTILE VALUES

01	.0	.0	2.3	19.6	31.2	43.8	49.1	46.9	39.0	27.2	10.7	.0	25.1
05	.0	.0	5.8	22.2	33.9	45.7	50.9	48.8	40.9	29.3	14.3	1.7	26.6
10	.0	.0	7.7	23.6	35.3	46.7	51.9	49.8	41.9	30.4	16.1	3.3	27.3
20	.0	.0	9.9	25.3	37.1	48.0	53.0	51.1	43.1	31.7	18.4	5.2	28.3
25	.0	.9	10.8	25.9	37.8	48.4	53.4	51.5	43.6	32.2	19.3	5.9	28.6
30	.1	1.7	11.6	26.5	38.4	48.8	53.8	51.9	44.0	32.7	20.0	6.6	28.9
40	1.4	3.2	13.0	27.5	39.5	49.6	54.5	52.7	44.7	33.5	21.4	7.8	29.5
50	2.6	4.6	14.3	28.5	40.5	50.3	55.2	53.4	45.4	34.3	22.7	8.9	30.0
60	3.7	5.9	15.6	29.4	41.5	51.0	55.9	54.1	46.1	35.0	24.0	10.0	30.6
70	5.0	7.4	17.0	30.5	42.6	51.8	56.6	54.9	46.8	35.9	25.4	11.2	31.1
75	5.7	8.2	17.8	31.0	43.2	52.2	57.0	55.3	47.2	36.3	26.2	11.8	31.5
80	6.5	9.1	18.6	31.7	43.8	52.7	57.4	55.8	47.7	36.8	27.1	12.6	31.8
90	8.5	11.5	20.9	33.3	45.6	54.0	58.6	57.0	48.9	38.1	29.4	14.5	32.8
95	10.2	13.5	22.8	34.7	47.0	55.0	59.5	58.0	49.9	39.2	31.2	16.1	33.5
99	13.3	17.2	26.3	37.3	49.8	56.9	61.3	60.0	51.8	41.3	34.7	19.0	35.0