

DIVISION: 1
COUNTY: MARQUETTE

MARQUETTE CITY
STATION #5178
PERIOD ANALYSIS FOR 1981-2010 (30 YEARS)
COOLING DEGREE-DAYS (65 F)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	0	0	0	0	1	30	90	81	4	0	0	0	206
1982	0	0	0	0	17	0	98	34	13	0	0	0	162
1983	0	0	0	0	0	70	201	116	44	0	0	0	431
1984	0	0	0	0	0	48	61	115	3	0	0	0	227
1985	0	0	0	5	5	27	60	37	31	0	0	0	165
1986	0	0	0	5	22	39	134	26	14	0	0	0	240
1987	0	0	0	9	27	98	140	70	28	0	0	0	372
1988	0	0	0	0	45	105	164	131	5	1	0	0	451
1989	0	0	0	0	7	29	113	74	9	0	0	0	232
1990	0	0	0	26	0	31	67	56	7	0	0	0	187
1991	0	0	0	0	52	65	69	100	8	0	0	0	294
1992	0	0	0	0	24	17	2	27	1	0	0	0	71
1993	0	0	0	0	10	28	58	81	0	0	0	0	177
1994	0	0	0	0	20	61	49	22	20	0	0	0	172
1995	0	0	0	0	0	124	98	115	17	2	0	0	356
1996	0	0	0	0	6	65	30	65	34	0	0	0	200
1997	0	0	0	0	0	68	86	30	8	2	0	0	194
1998	0	0	0	0	30	91	113	101	52	0	0	0	387
1999	0	0	0	0	16	68	156	42	47	0	0	0	329
2000	0	0	0	0	22	4	75	51	17	0	0	0	169
2001	0	0	0	3	5	101	125	120	22	0	0	0	376
2002	0	0	0	5	15	75	201	60	45	0	0	0	401
2003	0	0	0	0	0	39	94	110	50	2	0	0	295
2004	0	0	0	0	0	18	75	15	40	0	0	0	148
2005	0	0	0	0	0	86	158	89	48	12	0	0	393
2006	0	0	0	0	45	58	217	78	4	0	0	0	402
2007	0	0	0	0	30	98	148	108	46	15	0	0	445
2008	0	0	0	0	0	24	75	47	30	0	0	0	176
2009	0	0	0	0	5	65	16	56	11	0	0	0	153
2010	0	0	0	0	47	32	132	147	4	0	0	0	362
NON-ZERO	0	0	0	6	21	29	30	30	29	6	0	0	30
ZEROES	30	30	30	24	9	1	0	0	1	24	30	30	0
PROB OF ZERO	1.00	1.00	1.00	.80	.30	.03	.00	.00	.03	.80	1.00	1.00	.00

NOTE: STATISTICS ARE COMPUTED ON THE NON-ZERO VALUES

NUMBER YEARS	30	30	30	30	30	30	30	30	30	30	30	30	30
MEAN	.0	.0	.0	8.8	21.5	57.4	103.5	73.5	22.8	5.7	.0	.0	272.4
VARIANCE	.0	.0	.0	74.6	239.1	976.1	2919.9	1339.1	299.0	37.9	.0	.0	12024.9
STND DEV	.0	.0	.0	8.6	15.5	31.2	54.0	36.6	17.3	6.2	.0	.0	109.7
SKEW	.0	.0	.0	1.6	.6	.3	.3	.2	.4	.8	.0	.0	.2
KURTOSIS	.0	.0	.0	3.8	2.2	2.1	2.5	1.9	1.6	1.7	.0	.0	1.7

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

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COOLING DEGREE-DAYS (65 F) STATISTICS

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	.0	.0	.0	8.8	21.5	57.4	103.5	73.5	22.8	5.7	.0	.0	272.4
VARIANCE	.0	.0	.0	74.6	239.1	976.1	2919.9	1339.1	299.0	37.9	.0	.0	12024.9
STND DEV	.0	.0	.0	8.6	15.5	31.2	54.0	36.6	17.3	6.2	.0	.0	109.7
SKEW	.0	.0	.0	1.6	.6	.3	.3	.2	.4	.8	.0	.0	.2
KURTOSIS	.0	.0	.0	3.8	2.2	2.1	2.5	1.9	1.6	1.7	.0	.0	1.7
GAMMA	.000	.000	.000	1.927	1.573	2.686	2.329	3.501	1.371	1.094	.000	.000	5.809
BETA	.000	.000	.000	4.585	13.649	21.366	44.447	20.983	16.645	5.181	.000	.000	46.902
PROB OF ZERO	1.00	1.00	1.00	.80	.30	.03	.00	.00	.03	.80	1.00	1.00	.00

LEVELS

PROBABILITY PERCENTILE VALUES

01	0	0	0	0	0	0	10	13	0	0	0	0	79
05	0	0	0	0	0	9	22	23	1	0	0	0	117
10	0	0	0	0	0	16	31	30	3	0	0	0	141
20	0	0	0	0	0	26	47	40	6	0	0	0	176
25	0	0	0	0	0	30	54	45	8	0	0	0	190
30	0	0	0	0	0	34	60	49	9	0	0	0	204
40	0	0	0	0	6	41	74	58	13	0	0	0	230
50	0	0	0	0	10	49	89	67	17	0	0	0	257
60	0	0	0	0	15	58	106	76	21	0	0	0	285
70	0	0	0	0	20	68	126	88	27	0	0	0	318
75	0	0	0	0	23	74	138	95	31	0	0	0	338
80	0	0	0	0	27	82	152	103	35	0	0	0	360
90	0	0	0	7	39	103	194	126	48	4	0	0	423
95	0	0	0	12	49	123	234	148	61	8	0	0	479
99	0	0	0	21	74	166	322	193	89	16	0	0	594