

DIVISION: 1
COUNTY: MARQUETTE

MARQUETTE CITY
STATION #5178
PERIOD ANALYSIS FOR 1981-2010 (30 SEASONS)
MONTHLY DEGREE-DAYS BASE 50

SEASON	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	SEASON
1981	0	5	85	350	486	480	157	16	1588
1982	0	27	263	163	497	317	152	27	1446
1983	0	9	58	343	632	553	258	46	1899
1984	0	21	88	402	443	524	141	83	1702
1985	0	96	182	252	446	351	234	23	1584
1986	5	64	242	342	542	353	192	30	1770
1987	6	94	236	460	558	440	255	8	2064
1988	0	6	288	434	589	511	182	31	2041
1989	0	11	166	265	537	455	208	85	1727
1990	0	115	56	372	454	440	203	10	1663
1991	0	66	310	449	451	493	166	10	1945
1992	0	5	220	248	272	289	150	44	1228
1993	0	0	114	255	469	460	57	18	1373
1994	0	20	171	396	436	348	278	56	1705
1995	4	0	86	481	493	554	178	57	1853
1996	0	4	91	374	356	453	207	37	1522
1997	0	2	28	441	459	321	215	100	1566
1998	2	32	262	399	558	536	337	48	2174
1999	0	11	225	370	581	431	217	12	1860
2000	8	15	169	244	472	466	194	97	1680
2001	0	26	171	412	516	527	194	38	1902
2002	0	34	98	393	648	475	298	31	1978
2003	0	16	100	328	495	529	294	79	1840
2004	0	14	83	260	436	281	333	53	1460
2005	4	53	120	484	563	485	322	89	2120
2006	0	54	204	389	659	502	171	42	2022
2007	5	48	248	459	554	510	286	131	2241
2008	0	21	65	321	503	425	244	45	1647
2009	0	10	104	322	333	390	336	0	1495
2010	3	47	268	341	586	566	124	72	2013
NON-ZERO	8	28	30	30	30	30	30	29	30
ZEROES	22	2	0	0	0	0	0	1	0
PROB OF ZERO	.73	.07	.00	.00	.00	.00	.00	.03	.00

NOTE: STATISTICS ARE COMPUTED ON THE NON-ZERO VALUES

NUMBER SEASON	30	30	30	30	30	30	30	30	30
MEAN	4.6	33.1	160.0	358.3	500.8	448.8	219.4	48.9	1770.3
VARIANCE	3.4	941.3	6598.2	6583.8	7816.1	6831.3	4822.3	997.0	64211.0
STND DEV	1.8	30.7	81.2	81.1	88.4	82.7	69.4	31.6	253.4
SKEW	.4	1.2	.2	-.4	-.5	-.6	.0	.7	-.1
KURTOSIS	2.6	3.6	1.7	2.5	3.3	2.3	2.5	2.9	2.3

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

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MONTHLY DEGREE-DAYS BASE 50 STATISTICS

PARAMETER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	SEASON
NUMBER SEASON	30	30	30	30	30	30	30	30	30
MEAN	4.6	33.1	160.0	358.3	500.8	448.8	219.4	48.9	1770.3
VARIANCE	3.4	941.3	6598.2	6583.8	7816.1	6831.3	4822.3	997.0	64211.0
STND DEV	1.8	30.7	81.2	81.1	88.4	82.7	69.4	31.6	253.4
SKEW	.4	1.2	.2	-.4	-.5	-.6	.0	.7	-.1
KURTOSIS	2.6	3.6	1.7	2.5	3.3	2.3	2.5	2.9	2.3
GAMMA	6.859	1.222	3.454	17.707	29.871	27.467	8.829	2.256	49.083
BETA	.674	27.073	46.335	20.235	16.766	16.341	24.854	21.672	36.067
PROB OF ZERO	.73	.07	.00	.00	.00	.00	.00	.03	.00

LEVELS

PROBABILITY PERCENTILE VALUES

01	0	0	28	190	312	274	85	0	1236
05	0	0	49	231	360	318	114	6	1376
10	0	2	64	254	387	343	132	12	1455
20	0	7	87	285	422	376	156	20	1555
25	0	9	97	298	436	388	166	23	1594
30	0	11	106	309	449	400	176	27	1630
40	0	17	125	331	472	422	193	33	1695
50	0	22	145	352	495	443	211	41	1758
60	0	29	166	373	518	465	230	49	1823
70	0	38	192	397	544	489	251	58	1894
75	2	44	207	411	559	503	263	64	1934
80	3	50	224	427	575	519	278	71	1979
90	5	70	275	470	620	561	317	91	2101
95	6	90	323	508	659	598	352	111	2205
99	8	136	424	583	732	671	421	153	2411