

DIVISION: 1
COUNTY: MARQUETTE

MARQUETTE CITY
STATION #5178
PERIOD ANALYSIS FOR 1981-2010 (30 SEASONS)
MONTHLY DEGREE-DAYS BASE 55

SEASON	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	SEASON
1981	0	0	40	205	341	330	73	2	993
1982	0	13	156	69	343	194	81	3	859
1983	0	1	17	233	481	398	164	27	1321
1984	0	7	34	257	296	372	55	26	1047
1985	0	56	86	140	291	210	145	3	931
1986	0	27	137	211	391	215	95	2	1078
1987	0	48	149	321	404	294	139	3	1358
1988	0	0	175	307	438	362	84	16	1382
1989	0	5	85	154	382	302	115	37	1080
1990	0	77	12	232	303	289	114	3	1037
1991	0	22	210	304	301	341	95	0	1273
1992	0	0	130	139	135	161	71	17	653
1993	0	0	60	147	314	312	19	6	858
1994	0	8	95	268	284	209	167	22	1053
1995	0	0	27	349	339	399	103	31	1248
1996	0	0	46	249	213	301	124	8	941
1997	0	0	7	295	314	178	109	56	959
1998	0	9	153	280	403	382	208	6	1441
1999	0	1	116	246	430	276	139	0	1211
2000	1	3	83	130	322	311	96	46	997
2001	0	14	82	287	362	372	95	9	1222
2002	0	20	59	264	493	320	194	16	1366
2003	0	6	34	192	340	374	197	41	1184
2004	0	7	27	143	295	159	207	22	860
2005	0	17	48	335	410	332	198	48	1388
2006	0	8	123	255	504	347	92	17	1346
2007	0	21	139	318	402	357	178	66	1481
2008	0	8	26	183	348	274	134	14	998
2009	0	3	45	222	188	249	197	0	904
2010	0	14	169	199	431	411	58	28	1310
NON-ZERO	1	23	30	30	30	30	30	27	30
ZEROES	29	7	0	0	0	0	0	3	0
PROB OF ZERO	.97	.23	.00	.00	.00	.00	.00	.10	.00

NOTE: STATISTICS ARE COMPUTED ON THE NON-ZERO VALUES

NUMBER SEASON	30	30	30	30	30	30	30	30	30
MEAN	1.0	17.2	85.7	231.1	349.9	301.0	124.9	21.3	1126.0
VARIANCE	.0	361.0	3239.9	5011.6	7250.5	5544.0	2637.6	322.4	45140.7
STND DEV	.0	19.0	56.9	70.8	85.2	74.5	51.4	18.0	212.5
SKEW	.0	1.9	.4	-.3	-.4	-.5	.1	.9	-.1
KURTOSIS	.0	5.9	2.0	2.3	3.2	2.1	2.1	2.9	2.1

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 55 STATISTICS

PARAMETER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	SEASON
NUMBER SEASON	30	30	30	30	30	30	30	30	30
MEAN	1.0	17.2	85.7	231.1	349.9	301.0	124.9	21.3	1126.0
VARIANCE	.0	361.0	3239.9	5011.6	7250.5	5544.0	2637.6	322.4	45140.7
STND DEV	.0	19.0	56.9	70.8	85.2	74.5	51.4	18.0	212.5
SKEW	.0	1.9	.4	-.3	-.4	-.5	.1	.9	-.1
KURTOSIS	.0	5.9	2.0	2.3	3.2	2.1	2.1	2.9	2.1
GAMMA	999.000	1.085	1.876	9.101	14.743	14.718	4.976	1.234	27.643
BETA	999.000	15.833	45.664	25.397	23.735	20.453	25.095	17.262	40.732
PROB OF ZERO	.97	.23	.00	.00	.00	.00	.00	.10	.00

LEVELS

PROBABILITY PERCENTILE VALUES

01	0	0	6	91	173	149	32	0	688
05	0	0	14	121	215	185	49	0	798
10	0	0	21	140	239	206	61	0	862
20	0	0	34	165	272	234	77	3	943
25	0	0	40	176	285	245	84	5	975
30	0	2	46	186	297	255	91	7	1005
40	0	5	58	204	320	275	103	10	1059
50	0	8	71	223	342	294	116	14	1112
60	0	12	86	242	365	314	131	18	1167
70	0	16	104	264	391	337	147	24	1227
75	0	19	116	277	406	349	156	27	1262
80	0	23	129	292	423	364	167	32	1301
90	0	34	168	333	470	405	199	45	1407
95	0	46	206	370	511	440	227	57	1499
99	1	72	285	446	592	510	281	86	1679