

DIVISION: 1
COUNTY: MARQUETTE

MARQUETTE CITY
STATION #5178
PERIOD ANALYSIS FOR 1981-2010 (30 SEASONS)
MONTHLY DEGREE-DAYS "86-50" METHOD

SEASON	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	SEASON
1981	14	87	207	389	506	503	236	61	2074
1982	1	56	329	261	518	381	219	115	1893
1983	3	45	153	410	638	558	315	98	2236
1984	2	94	188	438	476	537	212	145	2104
1985	9	130	278	330	469	379	290	106	1995
1986	31	119	296	381	540	392	247	92	2101
1987	55	191	314	486	566	464	314	35	2440
1988	0	72	378	469	578	516	252	72	2340
1989	13	58	247	327	536	469	284	155	2089
1990	25	163	157	391	474	454	258	75	2040
1991	9	130	338	464	464	507	218	67	2200
1992	1	30	291	300	311	348	223	105	1609
1993	22	25	178	297	479	482	151	70	1704
1994	9	58	239	430	448	375	323	121	2015
1995	21	8	176	493	494	555	251	98	2097
1996	4	26	167	407	374	475	254	104	1812
1997	6	51	106	458	479	360	277	143	1886
1998	14	112	352	424	552	544	377	129	2531
1999	12	91	294	398	575	443	292	78	2235
2000	59	68	259	296	479	474	267	182	2120
2001	0	74	251	434	532	524	253	100	2245
2002	0	75	153	425	643	480	345	51	2176
2003	21	72	214	362	505	537	331	117	2162
2004	3	64	168	312	459	335	382	122	1853
2005	21	131	181	495	562	489	371	151	2421
2006	9	155	247	419	648	499	230	80	2304
2007	42	106	316	478	554	520	337	167	2524
2008	0	52	151	358	512	462	309	81	1961
2009	10	61	212	372	357	412	366	26	1836
2010	46	150	320	366	587	569	192	151	2409
NON-ZERO	26	30	30	30	30	30	30	30	30
ZEROES	4	0	0	0	0	0	0	0	0
PROB OF ZERO	.13	.00	.00	.00	.00	.00	.00	.00	.00

NOTE: STATISTICS ARE COMPUTED ON THE NON-ZERO VALUES

NUMBER SEASON	30	30	30	30	30	30	30	30	30
MEAN	17.8	85.1	238.7	395.7	510.5	468.1	279.2	103.2	2113.7
VARIANCE	271.0	2038.0	5258.0	4222.6	6101.2	4536.6	3445.4	1506.7	54936.8
STND DEV	16.5	45.1	72.5	65.0	78.1	67.4	58.7	38.8	234.4
SKEW	1.2	.5	.1	-.3	-.5	-.5	.0	.1	-.1
KURTOSIS	3.5	2.5	1.9	2.1	3.4	2.1	2.3	2.4	2.5

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	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	SEASON
NUMBER SEASON	30	30	30	30	30	30	30	30	30
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STND DEV	16.5	45.1	72.5	65.0	78.1	67.4	58.7	38.8	234.4
SKEW	1.2	.5	.1	-.3	-.5	-.5	.0	.1	-.1
KURTOSIS	3.5	2.5	1.9	2.1	3.4	2.1	2.3	2.4	2.5
GAMMA	1.154	3.055	10.681	36.267	40.547	46.916	22.426	6.143	82.419
BETA	15.396	27.864	22.345	10.910	12.590	9.977	12.450	16.805	25.646
PROB OF ZERO	.13	.00	.00	.00	.00	.00	.00	.00	.00

LEVELS

PROBABILITY PERCENTILE VALUES

01	0	13	102	259	343	324	161	31	1610
05	0	24	133	294	386	362	190	45	1746
10	0	32	151	314	411	383	207	55	1821
20	2	44	176	340	442	410	229	68	1916
25	3	49	186	350	454	420	238	73	1952
30	4	55	196	359	466	430	246	78	1986
40	7	65	214	376	486	448	261	88	2047
50	11	76	231	392	506	465	275	98	2105
60	14	88	250	409	527	482	290	108	2165
70	19	103	271	427	549	501	307	120	2229
75	22	111	283	438	562	512	316	127	2266
80	26	121	297	450	576	524	327	136	2307
90	37	150	335	482	615	557	357	159	2417
95	48	178	370	510	649	584	383	180	2511
99	74	237	438	564	714	636	434	224	2692