

DIVISION: 1
COUNTY: MARQUETTE

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	1708	1346	1218	758	557	130	69	66	339	750	859	1454	9254
1982	2010	1509	1270	877	247	309	66	191	370	624	1155	1340	9968
1983	1547	1180	1141	926	567	184	34	28	276	659	1007	1851	9400
1984	1766	1165	1463	683	528	999	83	56	380	521	1020	1484	9248
1985	1747	1534	1058	656	318	235	79	151	303	605	1197	1778	9661
1986	1585	1426	1118	594	302	160	57	143	302	661	1178	1387	8913
1987	1487	1137	992	562	309	97	47	96	228	805	925	1294	7979
1988	1730	1660	1251	744	257	126	40	85	285	809	886	1520	9393
1989	1497	1683	1447	871	410	234	41	84	292	605	1248	1854	10266
1990	1424	1414	1133	705	521	121	78	81	294	715	956	1540	8982
1991	1818	1331	1191	643	305	66	83	72	375	742	1235	1486	9347
1992	1504	1302	1288	885	363	245	195	206	354	711	1133	1482	9668
1993	1632	1461	1237	883	475	239	54	86	472	783	1182	1458	9962
1994	2018	1627	1218	838	416	128	78	139	217	569	969	1311	9528
1995	1574	1449	1161	978	457	112	70	26	375	640	1371	1621	9834
1996	1834	1607	1509	1002	524	146	139	77	309	649	1263	1527	10586
1997	1751	1382	1323	874	636	77	92	175	259	621	1169	1268	9627
1998	1497	983	1223	638	248	164	20	30	177	549	894	1301	7724
1999	1728	1200	1208	689	302	166	40	76	302	705	829	1364	8609
2000	1637	1249	986	789	366	233	70	50	317	504	1002	1798	9001
2001	1452	1550	1277	709	334	157	74	58	323	655	716	1245	8550
2002	1411	1186	1509	828	573	143	18	50	238	840	1120	1390	9306
2003	1729	1601	1291	858	422	167	64	46	247	668	1090	1337	9520
2004	1835	1353	1132	783	501	212	104	210	163	578	923	1512	9306
2005	1710	1236	1321	612	469	52	60	69	188	552	1002	1466	8737
2006	1259	1464	1181	546	387	125	23	41	347	777	914	1268	8332
2007	1508	1625	1104	800	281	89	59	63	227	483	1046	1547	8832
2008	1600	1614	1409	814	512	153	37	87	239	634	1056	1700	9855
2009	1870	1370	1235	782	437	215	148	140	144	800	821	1565	9527
2010	1537	1412	936	576	312	142	11	46	371	536	975	1515	8369
NON-ZERO	30	30	30	30	30	30	30	30	30	30	30	30	30
ZEROES	0	0	0	0	0	0	0	0	0	0	0	0	0
PROB OF ZERO	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.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	1646.8	1401.9	1227.7	763.4	411.2	187.5	67.8	90.9	290.4	658.3	1038.0	1488.8	9242.8
VARIANCE	31713.9	32594.7	21184.0	15665.3	12363.6	27071.6	1574.9	2845.4	5625.1	9860.1	23819.5	29888.6	429850.0
STND DEV	178.1	180.5	145.5	125.2	111.2	164.5	39.7	53.3	75.0	99.3	154.3	172.9	655.6
SKEW	.2	-.3	.2	-.0	.2	4.2	1.3	.9	.0	.1	.1	.7	-.4
KURTOSIS	2.7	2.3	2.7	2.1	1.9	21.2	5.2	2.8	2.8	2.0	2.4	2.7	2.9

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

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MARQUETTE CITY
STATION #5178
PERIOD ANALYSIS FOR 1981-2010 (30 YEARS)
HEATING 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	1646.8	1401.9	1227.7	763.4	411.2	187.5	67.8	90.9	290.4	658.3	1038.0	1488.8	9242.8
VARIANCE	31713.9	32594.7	21184.0	15665.3	12363.6	27071.6	1574.9	2845.4	5625.1	9860.1	23819.5	29888.6	429850.0
STND DEV	178.1	180.5	145.5	125.2	111.2	164.5	39.7	53.3	75.0	99.3	154.3	172.9	655.6
SKEW	.2	-.3	.2	-.0	.2	4.2	1.3	.9	.0	.1	.1	.7	-.4
KURTOSIS	2.7	2.3	2.7	2.1	1.9	21.2	5.2	2.8	2.8	2.0	2.4	2.7	2.9
GAMMA	88.267	59.807	73.275	37.429	13.859	999.000	3.097	3.275	14.411	45.123	46.150	79.571	200.987
BETA	18.657	23.440	16.754	20.397	29.670	999.000	21.885	27.763	20.153	14.590	22.493	18.710	999.000
PROB OF ZERO	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

LEVELS

PROBABILITY PERCENTILE VALUES

01	1267	1015	919	503	198	52	10	15	142	452	716	1128	7718
05	1370	1118	1002	570	248	59	19	27	177	506	800	1225	8164
10	1427	1175	1048	609	277	77	25	35	198	536	848	1279	8403
20	1498	1247	1106	657	316	112	35	48	225	575	908	1347	8691
25	1525	1276	1128	676	332	123	39	54	236	590	931	1373	8801
30	1551	1301	1149	693	347	126	44	60	246	604	953	1397	8899
40	1597	1349	1186	726	374	142	52	70	265	629	992	1441	9077
50	1641	1394	1222	757	401	153	61	82	284	653	1031	1482	9243
60	1685	1440	1259	789	429	164	70	94	303	679	1070	1525	9409
70	1734	1491	1299	824	461	184	82	109	325	706	1112	1571	9587
75	1761	1519	1321	843	479	214	88	118	338	722	1137	1598	9685
80	1792	1551	1346	866	500	233	96	128	352	739	1164	1627	9795
90	1875	1637	1415	927	557	239	119	158	392	787	1238	1706	10083
95	1945	1711	1473	980	606	277	141	186	427	827	1301	1773	10321
99	2082	1849	1586	1083	702	792	188	246	497	908	1426	1902	10768