

DIVISION: 1
COUNTY: MARQUETTE

MARQUETTE CITY
STATION #5178
PERIOD ANALYSIS FOR 1981-2010 (30 YEARS)
SNOWFALL (INCHES)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	47.0	38.6	14.0	5.8	.0	.0	.0	.0	.0	10.5	7.7	56.6	180.2
1982	69.7	9.6	22.6	15.9	.0	.0	.0	.0	.0	14.0	40.0	34.6	206.4
1983	36.6	25.9	23.4	21.7	.0	.0	.0	.0	.0	1.2	27.6	51.2	187.6
1984	20.9	20.0	32.0	8.0	9.0	.0	.0	.0	.0	1.0	2.5	33.0	126.4
1985	60.0	30.2	26.5	13.5	.0	.0	.0	.0	.0	.0	26.9	61.2	218.3
1986	41.3	17.2	21.7	2.3	.0	.0	.0	.0	.0	6.5	18.1	17.4	124.5
1987	34.4	6.2	14.7	10.0	.0	.0	.0	.0	.0	22.2	7.2	31.4	126.1
1988	51.4	24.2	27.3	2.0	.0	.0	.0	.0	.0	9.1	11.8	53.3	179.1
1989	38.1	30.3	25.6	23.9	4.0	.0	.0	.0	1.0	2.0	78.2	76.3	279.4
1990	30.6	34.2	10.4	4.2	.4	.0	.0	.0	.0	3.0	5.5	26.9	115.2
1991	38.1	29.0	11.9	8.5	.3	.0	.0	.0	.0	2.6	56.9	27.3	174.6
1992	42.6	29.7	13.5	14.0	.0	.0	.0	.0	.0	9.3	35.3	36.1	180.5
1993	41.1	9.5	19.9	7.3	.0	.0	.0	.0	.0	13.5	24.1	27.6	143.0
1994	37.3	7.2	24.9	17.2	.0	.0	.0	.0	.0	4.0	21.7	19.0	131.3
1995	28.2	34.6	24.4	18.1	.0	.0	.0	.0	6.9	13.3	60.7	53.0	239.2
1996	63.0	30.8	37.2	19.2	8.8	.0	.0	.0	.0	1.4	47.0	85.4	292.8
1997	101.5	14.3	29.0	5.2	19.1	.0	.0	.0	.0	3.2	29.7	43.3	245.3
1998	35.3	2.8	27.3	.6	.0	.0	.0	.0	.0	.5	9.0	30.7	106.2
1999	64.3	30.6	13.7	.0	.0	.0	.0	.0	.0	.5	12.0	29.5	150.6
2000	38.3	27.3	37.1	12.3	.0	.0	.0	.0	.0	7.0	37.5	85.1	244.6
2001	66.4	54.3	40.3	7.5	.0	.0	.0	.0	.0	13.8	16.2	70.2	268.7
2002	29.9	53.2	60.8	20.2	1.6	.0	.0	.0	.0	9.7	28.3	19.8	223.5
2003	47.3	32.5	48.7	13.9	.0	.0	.0	.0	.0	9.3	26.3	43.1	221.1
2004	51.8	33.1	27.0	5.4	.0	.0	.0	.0	.0	4.0	12.0	55.4	188.7
2005	33.8	26.3	16.0	8.8	4.0	.0	.0	.0	.0	1.0	36.0	58.0	183.9
2006	29.4	51.0	29.5	.0	7.0	.0	.0	.0	.0	24.7	3.6	48.2	193.4
2007	50.7	17.6	28.1	30.6	.0	.0	.0	.0	.0	.0	16.4	46.0	189.4
2008	38.8	20.4	19.0	23.0	.0	.0	.0	.0	.0	1.0	25.2	52.5	179.9
2009	49.6	37.5	7.9	15.3	.0	.0	.0	.0	.0	5.6	2.9	60.6	179.4
2010	61.5	37.4	.2	.0	4.0	.0	.0	.0	.0	.0	14.7	56.6	174.4
NON-ZERO	30	30	30	27	10	0	0	0	2	27	30	30	30
ZEROES	0	0	0	3	20	30	30	30	28	3	0	0	0
PROB OF ZERO	.00	.00	.00	.10	.67	1.00	1.00	1.00	.93	.10	.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	45.96	27.18	24.49	12.39	5.82	.00	.00	.00	3.95	7.18	24.70	46.31	188.46
VARIANCE	268.73	174.61	152.37	58.31	31.59	.00	.00	.00	17.41	42.60	337.62	347.53	2400.04
STND DEV	16.39	13.21	12.34	7.64	5.62	.00	.00	.00	4.17	6.53	18.37	18.64	48.99
SKEW	1.35	.13	.78	.44	1.31	.00	.00	.00	-.00	1.10	1.09	.38	.29
KURTOSIS	5.47	2.71	4.22	2.47	4.13	.00	.00	.00	1.00	3.63	3.90	2.44	2.46

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

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SNOWFALL (INCHES) 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	45.96	27.18	24.49	12.39	5.82	.00	.00	.00	3.95	7.18	24.70	46.31	188.46
VARIANCE	268.73	174.61	152.37	58.31	31.59	.00	.00	.00	17.41	42.60	337.62	347.53	2400.04
STND DEV	16.39	13.21	12.34	7.64	5.62	.00	.00	.00	4.17	6.53	18.37	18.64	48.99
SKEW	1.35	.13	.78	.44	1.31	.00	.00	.00	-.00	1.10	1.09	.38	.29
KURTOSIS	5.47	2.71	4.22	2.47	4.13	.00	.00	.00	1.00	3.63	3.90	2.44	2.46
GAMMA	9.320	3.127	2.377	1.996	.990	.000	.000	.000	999.000	1.114	1.726	6.035	15.041
BETA	4.932	8.694	10.303	6.205	5.876	.000	.000	.000	999.000	6.446	14.308	7.673	12.530
PROB OF ZERO	.00	.00	.00	.10	.67	1.00	1.00	1.00	.93	.10	.00	.00	.00

LEVELS

PROBABILITY PERCENTILE VALUES

01	18.3	4.2	2.5	.0	.0	.0	.0	.0	.0	.0	1.3	13.8	94.0
05	24.3	7.7	5.3	.0	.0	.0	.0	.0	.0	.0	3.6	20.2	116.3
10	28.0	10.3	7.6	.0	.0	.0	.0	.0	.0	.0	5.7	24.4	129.5
20	33.1	14.2	11.2	3.5	.0	.0	.0	.0	.0	1.0	9.2	30.2	146.8
25	35.1	15.9	12.8	4.5	.0	.0	.0	.0	.0	1.5	10.9	32.6	153.8
30	37.0	17.6	14.4	5.5	.0	.0	.0	.0	.0	2.0	12.6	34.9	160.3
40	40.7	20.9	17.7	7.3	.0	.0	.0	.0	.0	3.1	16.2	39.3	172.4
50	44.3	24.3	21.2	9.3	.0	.0	.0	.0	.0	4.4	20.1	43.8	184.3
60	48.2	28.2	25.1	11.5	.0	.0	.0	.0	.0	6.0	24.6	48.6	196.7
70	52.5	32.7	29.7	14.1	.6	.0	.0	.0	.0	8.0	30.1	54.1	210.6
75	55.0	35.4	32.6	15.7	1.7	.0	.0	.0	.0	9.2	33.5	57.3	218.6
80	57.9	38.6	35.9	17.6	3.0	.0	.0	.0	.0	10.7	37.6	61.0	227.7
90	66.0	47.8	45.8	23.1	7.0	.0	.0	.0	.0	15.4	49.6	71.5	252.8
95	73.2	56.4	55.0	28.2	11.1	.0	.0	.0	.5	20.0	61.2	81.0	274.9
99	88.0	74.9	75.4	38.7	20.5	.0	.0	.0	5.1	30.6	86.4	101.0	319.5