

DIVISION: 1
COUNTY: MARQUETTE

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	1.64	2.94	1.79	3.06	3.10	6.07	3.11	1.71	2.53	5.77	.64	3.03	35.39
1982	3.64	.42	1.37	3.93	4.53	1.46	9.18	1.83	7.06	5.54	4.05	3.38	46.39
1983	2.22	.86	1.55	2.41	2.75	2.56	4.07	3.11	6.39	2.51	5.02	1.89	35.34
1984	.63	1.31	2.31	2.17	4.41	4.11	1.57	2.76	5.03	2.00	.83	2.47	29.60
1985	1.77	.88	1.46	4.01	3.26	3.48	3.53	6.04	7.42	4.57	3.30	2.74	42.46
1986	1.56	.97	1.58	1.51	.65	7.06	5.08	3.16	4.01	3.44	2.28	.90	32.20
1987	1.43	.33	1.38	1.28	3.03	2.00	4.20	3.28	3.91	5.88	2.75	2.51	31.98
1988	2.38	.82	2.68	.48	1.56	3.64	2.14	5.25	2.63	3.48	7.08	2.14	34.28
1989	1.60	1.17	1.50	2.36	4.10	4.78	1.34	3.84	1.41	2.44	4.42	2.30	31.26
1990	.99	1.45	2.12	2.56	1.07	4.74	1.20	2.07	6.64	5.26	.99	1.17	30.26
1991	1.06	1.42	3.14	2.79	4.01	3.53	6.10	1.66	5.31	3.75	8.16	1.30	42.23
1992	1.84	1.43	1.40	2.04	1.89	2.39	7.34	2.96	3.27	3.66	3.50	1.67	33.39
1993	1.67	.31	1.32	3.13	4.07	5.15	4.12	3.30	3.15	2.97	2.39	1.49	33.07
1994	1.87	.30	1.94	2.89	1.58	2.82	3.46	5.88	4.73	3.06	2.26	.36	31.15
1995	.87	1.12	1.77	2.81	3.88	2.24	3.01	3.97	2.65	6.73	2.24	1.74	33.03
1996	4.05	1.92	2.30	3.17	2.58	5.29	6.70	2.22	3.83	4.11	3.66	3.83	43.66
1997	4.31	.55	1.95	.75	4.52	2.96	3.57	3.93	2.56	1.27	2.15	2.10	30.62
1998	1.60	.18	4.27	1.76	3.51	4.79	2.31	3.25	3.11	2.90	2.01	2.40	32.09
1999	3.65	2.11	.73	2.12	4.64	3.67	8.72	2.65	3.65	1.64	1.85	1.38	36.81
2000	1.34	1.50	4.14	1.36	2.07	5.27	3.78	1.88	1.23	2.07	3.99	2.78	31.41
2001	2.66	2.33	1.54	5.12	3.31	2.65	3.49	4.62	2.34	3.76	2.47	2.81	37.10
2002	.83	3.63	4.10	4.49	3.40	3.95	5.64	4.87	6.64	6.34	1.57	.76	46.22
2003	1.46	1.60	2.90	3.31	6.69	2.44	4.14	3.02	3.00	2.79	2.73	2.15	36.23
2004	2.04	1.77	2.46	3.72	4.77	3.22	3.05	5.44	1.94	4.40	2.12	2.74	37.67
2005	1.57	1.04	1.13	2.78	2.44	3.64	3.34	3.32	3.45	7.37	4.00	1.92	36.00
2006	1.72	1.52	2.20	.77	3.96	1.55	6.60	2.54	2.75	2.85	.73	2.46	29.65
2007	2.41	.84	2.56	2.98	1.49	2.71	1.87	2.18	6.18	7.50	1.60	2.60	34.92
2008	1.63	.88	.93	4.39	3.05	2.43	3.25	1.37	5.43	2.86	3.10	2.15	31.47
2009	1.71	1.27	.83	3.22	.87	2.05	2.56	4.02	2.27	6.04	1.17	2.79	28.80
2010	2.41	1.26	.30	.61	2.92	6.91	4.64	4.99	7.23	1.81	1.62	2.50	37.20
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	1.952	1.271	1.988	2.599	3.137	3.652	4.104	3.371	4.058	3.959	2.823	2.149	35.063
VARIANCE	.850	.599	.969	1.428	1.862	2.249	4.178	1.714	3.398	3.104	3.009	.611	23.760
STND DEV	.922	.774	.984	1.195	1.364	1.500	2.044	1.309	1.843	1.762	1.735	.782	4.874
SKEW	1.131	1.111	.831	-.002	.161	.661	.876	.459	.445	.495	1.368	-.298	.975
KURTOSIS	3.700	4.534	3.284	2.432	2.995	2.659	3.200	2.262	1.956	2.160	4.973	2.886	3.060

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	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	1.952	1.271	1.988	2.599	3.137	3.652	4.104	3.371	4.058	3.959	2.823	2.149	35.063
VARIANCE	.850	.599	.969	1.428	1.862	2.249	4.178	1.714	3.398	3.104	3.009	.611	23.760
STND DEV	.922	.774	.984	1.195	1.364	1.500	2.044	1.309	1.843	1.762	1.735	.782	4.874
SKEW	1.131	1.111	.831	-.002	.161	.661	.876	.459	.445	.495	1.368	-.298	.975
KURTOSIS	3.700	4.534	3.284	2.432	2.995	2.659	3.200	2.262	1.956	2.160	4.973	2.886	3.060
GAMMA	5.166	2.632	4.006	3.659	4.371	6.295	4.285	6.770	4.856	5.124	3.010	5.625	57.393
BETA	.378	.483	.496	.710	.718	.580	.958	.498	.836	.773	.938	.382	.611
PROB OF ZERO	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

LEVELS

PROBABILITY PERCENTILE VALUES

01	.51	.15	.41	.48	.71	1.13	.91	1.10	1.01	1.03	.41	.61	25.20
05	.78	.31	.68	.83	1.14	1.63	1.47	1.56	1.57	1.58	.77	.90	27.81
10	.96	.43	.87	1.08	1.43	1.95	1.85	1.85	1.95	1.95	1.04	1.10	29.28
20	1.22	.61	1.14	1.44	1.86	2.41	2.41	2.26	2.48	2.46	1.45	1.37	31.12
25	1.33	.69	1.26	1.60	2.04	2.59	2.65	2.43	2.71	2.68	1.63	1.49	31.84
30	1.43	.78	1.37	1.76	2.21	2.77	2.88	2.59	2.93	2.89	1.80	1.60	32.50
40	1.63	.94	1.60	2.06	2.55	3.12	3.33	2.90	3.35	3.29	2.15	1.81	33.70
50	1.83	1.11	1.83	2.37	2.90	3.46	3.79	3.20	3.78	3.70	2.52	2.02	34.86
60	2.05	1.31	2.08	2.71	3.28	3.83	4.29	3.53	4.24	4.15	2.92	2.25	36.04
70	2.30	1.54	2.37	3.11	3.72	4.25	4.87	3.91	4.78	4.66	3.40	2.52	37.33
75	2.44	1.68	2.54	3.34	3.98	4.50	5.21	4.13	5.10	4.96	3.69	2.67	38.06
80	2.61	1.84	2.74	3.62	4.28	4.79	5.61	4.38	5.46	5.31	4.02	2.85	38.89
90	3.10	2.32	3.32	4.42	5.15	5.60	6.76	5.09	6.50	6.30	5.00	3.36	41.11
95	3.54	2.77	3.85	5.15	5.94	6.33	7.81	5.73	7.45	7.20	5.92	3.82	43.00
99	4.48	3.73	4.99	6.70	7.63	7.86	10.05	7.02	9.35	9.11	7.90	4.77	46.71