



OCTOBER 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

MARQUETTE, MI

MARQUETTE MICHIGAN COUNTY ARPT (MQT)

Lat: 46°32' N Long: 87°34' W Elev (Ground): 1415 Feet

Time Zone: EASTERN WBAN: 94850 ISSN #:0198-2648

DATE	TEMPERATURE °F						DEG DAYS BASE 65 °		WEATHER	SNOW/ICE ON GND (IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			PEAK	2-MIN	SPEED	DIR	SPEED	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	72*	53	63*	15			2	0		0		0.0	0.03										01	
02	57	40	49	1			16	0		0		0.0	T										02	
03	59	35	47	-1			18	0		0		0.0	0.00										03	
04	62	42	52	5			13	0		0		0.0	1.22										04	
05	52	37	45	-2			20	0		0		0.0	0.01										05	
06	52	34	43	-4			22	0		0		0.0	1.03										06	
07	46	30	38	-8			27	0		0		0.0	0.00										07	
08	49	34	42	-4			23	0		0		0.0	0.21										08	
09	46	31	39	-7			26	0		0		0.0	0.00										09	
10	60	31	46	1			19	0		0		0.0	0.00										10	
11	70	47	59	14			6	0		0		0.0	0.00										11	
12	57	36	47	3			18	0		0		0.0	0.46										12	
13	40	25	33	-11			32	0		0		0.4	0.03										13	
14	55	21	38	-5			27	0		0		0.0	0.00										14	
15	46	25	36	-7			29	0		0		0.0	T										15	
16	40	22	31	-12			34	0		0		0.0	0.00										16	
17	44	24	34	-8			31	0		0		0.0	0.00										17	
18	38	22	30	-12			35	0		0		1.3	0.30										18	
19	42	31	37	-4			28	0		0		0.0	0.16										19	
20	38	28	33	-8			32	0		T		0.3	0.02										20	
21	33	29	31	-9			34	0		T		7.5	0.74										21	
22	33	26	30	-10			35	0		10		5.5	0.71										22	
23	35	22	29	-11			36	0		9		0.9	0.08										23	
24	38	19*	29	-10			36	0		8		0.0	0.00										24	
25	38	26	32	-7			33	0		7		0.4	0.05										25	
26	38	33	36	-2			29	0		6		0.1	0.01										26	
27	33	30	32	-6			33	0		5		0.1	0.01										27	
28	42	22	32	-5			33	0		4		0.0	0.00										28	
29	40	25	33	-4			32	0		3		0.0	0.00										29	
30	33	27	30	-6			35	0		2		0.3	0.02										30	
31	32	25	29*	-7			36	0		2		0.2	T										31	
45.8		30.1	38.0	■ ■			26.8	0.0	< MONTHLY AVERAGES	TOTALS->			17.0	5.09									<- MONTHLY AVERAGES	
-5.1		-3.9	-4.5	■ ■	<-----DEPARTURE FROM NORMAL----->							1.43	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.29 DATE :21-22				SEA LEVEL PRESSURE DATE TIME											
MONTHLY									GREATEST 24-HR SNOWFALL: 11.6 DATE :21-22				MAXIMUM											
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 10 DATE : 22				MINIMUM											
HEATING: 830 130 1135 -139									NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 21				PRECIPITATION ≥ 0.01 INCH : 17			
COOLING: 0 0 407 240													MAXIMUM TEMP ≤ 32 : 1				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 8			
																	HEAVY FOG : 3				SNOWFALL ≥ 1.0 INCH : 3			

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MARQUETTE, MI

* = Extreme for the month (last occurrence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility 0.25 miles or less
BLANK entries denote missing or unreported data

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

WEATHER NOTATIONS

**MARQUETTE, MI
OCTOBER 2002**

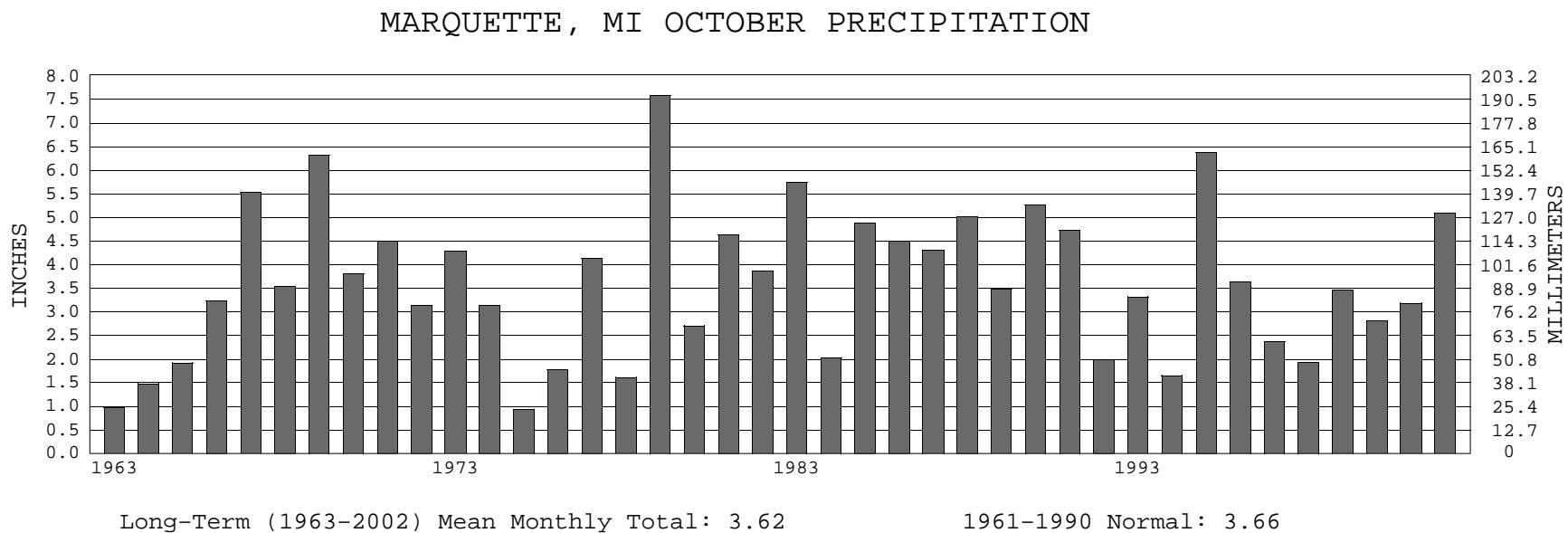
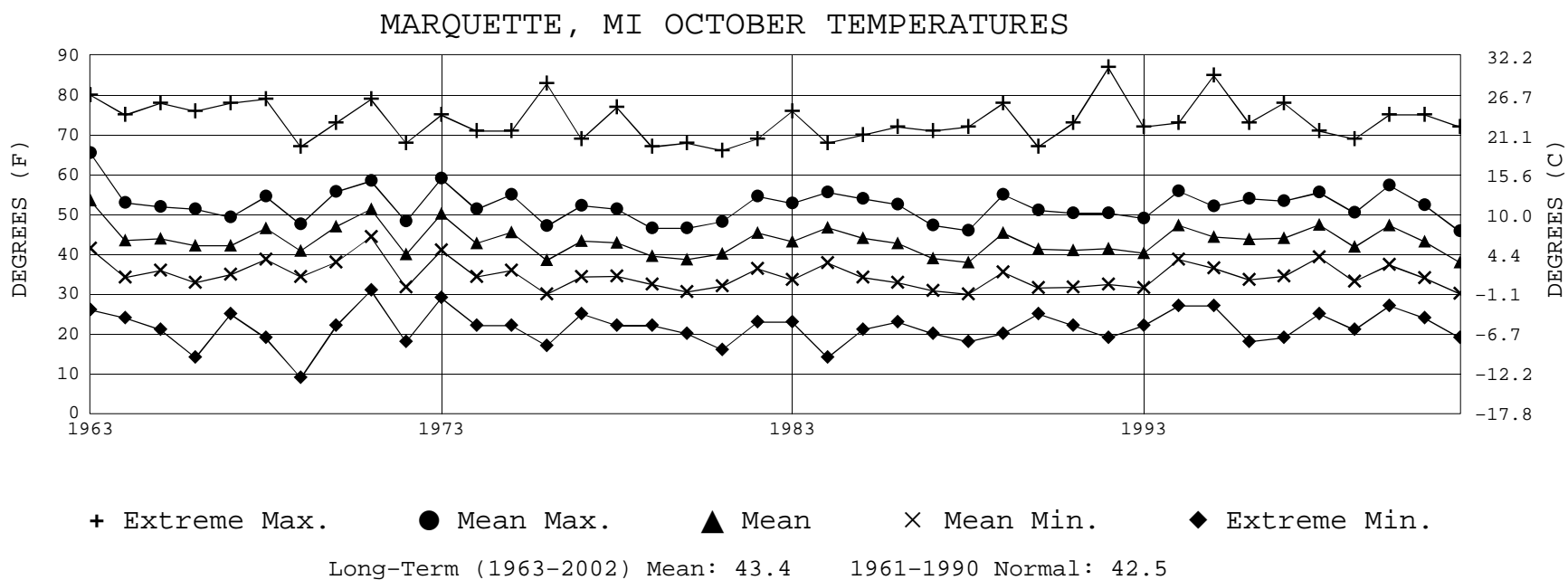
Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the SR–SS sky cover.
Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas,
Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled at constant pressure by evaporation of moisture into it, to 100% relative humidity.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			SKY COVER	SATELLITE	SKY COVER	SATELLITE			
01	606	86							
02	266	38							
03	463	67							
04	484	70							
05	654	95							
06	465	68							
07	666	98							
08	387	57							
09	293	43							
10	558	83							
11	642	96							
12	276	40							
13	349	53							
14	589	89							
15	541	82							
16	587	90							
17	589	91							
18	186	29							
19	498	77							
20	500	78							
21	0	0							
22	0	0							
23	599	95							
24	600	95							
25	0	0							
26	212	34							
27	0	0							
28	567	92							
29	226	37							
30	217	36							
31	528	87							
MONTHLY AVGS									
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: 12548 Possible: 20234</p> <p align="center">Percent Possible: 62</p>									
<p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">31</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p>									





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I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

DIRECTOR

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