

MAY 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	48	26	37	-7			28	0		0		0.0	0.00										01	
02	41	26	34	-10			31	0		0		0.1	0.01											02
03	49	29	39	-6			26	0		0		0.0	0.0	T										03
04	67	34	51	6			14	0		0		0.0	0.07											04
05	59	29	44	-2			21	0		0		0.0	0.02											05
06	42	37	40	-6			25	0			0		0.0	0.43										06
07	44	33	39	-8			26	0			0		0.0	0.01										07
08	40	30	35	-12			30	0			T		0.9	0.43										08
09	49	35	42	-6			23	0			0		0.0	0.70										09
10	48	32	40	-8			25	0			T		0.0	T										10
11	59	31	45	-4			20	0			0		0.0	0.00										11
12	44	38	41	-8			24	0			0		0.0	0.01										12
13	56	40	48	-1			17	0			0		0.0	T										13
14	47	29	38	-12			27	0			0		0.0	T										14
15	66	28	47	-3			18	0			0		0.0	T										15
16	57	32	45	-6			20	0			0		0.0	T										16
17	35	28	32	-19			33	0			0		0.1	T										17
18	41	29	35	-16			30	0			0		0.0	T										18
19	36	25	31*	-20			34	0			0		0.0	T										19
20	46	24*	35	-17			30	0			0		0.0	0.00										20
21	66	25	46	-7			19	0			0		0.0	0.00										21
22	72	45	59	6			6	0			0		0.0	0.00										22
23	78	35	57	4			8	0			0		0.0	0.00										23
24	47	30	39	-15			26	0			0		0.1	0.01										24
25	43	28	36	-18			29	0			0		0.0	0.13										25
26	65	37	51	-3			14	0			0		0.0	0.07										26
27	73	45	59	4			6	0			0		0.0	0.00										27
28	80	41	61	6			4	0			0		0.0	0.00										28
29	77	56	67	12			0	2			0		0.0	0.00										29
30	78	58	68	13			0	3			0		0.0	1.24										30
31	80*	56	68*	12			0	3			0		0.0	0.00										31
55.9		34.5	45.2	■ ■			19.8	0.3	< MONTHLY AVERAGES	TOTALS->			1.2	3.13						<- MONTHLY AVERAGES				
-5.6		-4.6	-5.1	■ ■	<-----DEPARTURE FROM NORMAL ----->								0.06		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.24 DATE :30				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.9 DATE :08				MAXIMUM											
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: T DATE : 10+				MINIMUM											
HEATING: 614 143									NUMBER OF DAYS WITH ➔				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 17				PRECIPITATION ≥ 0.01 INCH : 12			
COOLING: 8 -4													MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 5			
																	HEAVY FOG : :				SNOWFALL ≥ 1.0 INCH : 0			

**MAY 2002**  
**MARQUETTE, MI**

## REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = 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

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

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

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

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

NORMALS ARE FOR THE YEARS 1971–2000

### WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unknown Precipitation		
Intensity (as indicated on pages 4 to 6): '+' = Heavy    ' ' = Moderate    '–' = Light			

## MARQUETTE, MI MAY 2002

Sky Cover is the mean cloud cover observed from sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

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.

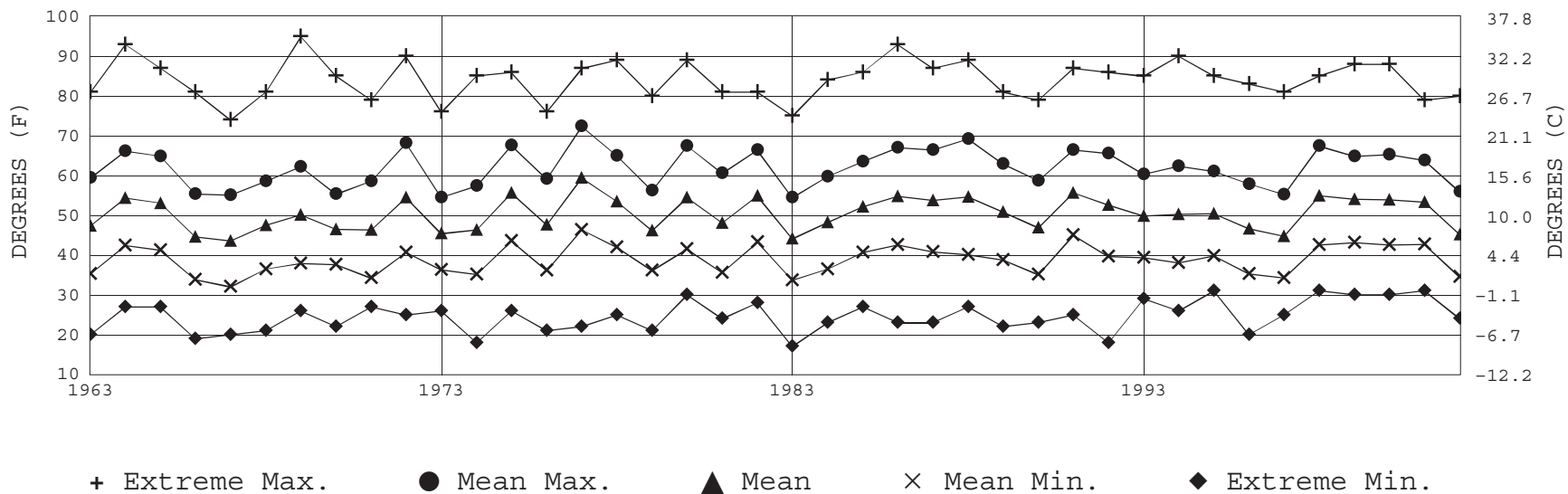
A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

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.

ADDITIONAL NOTES:

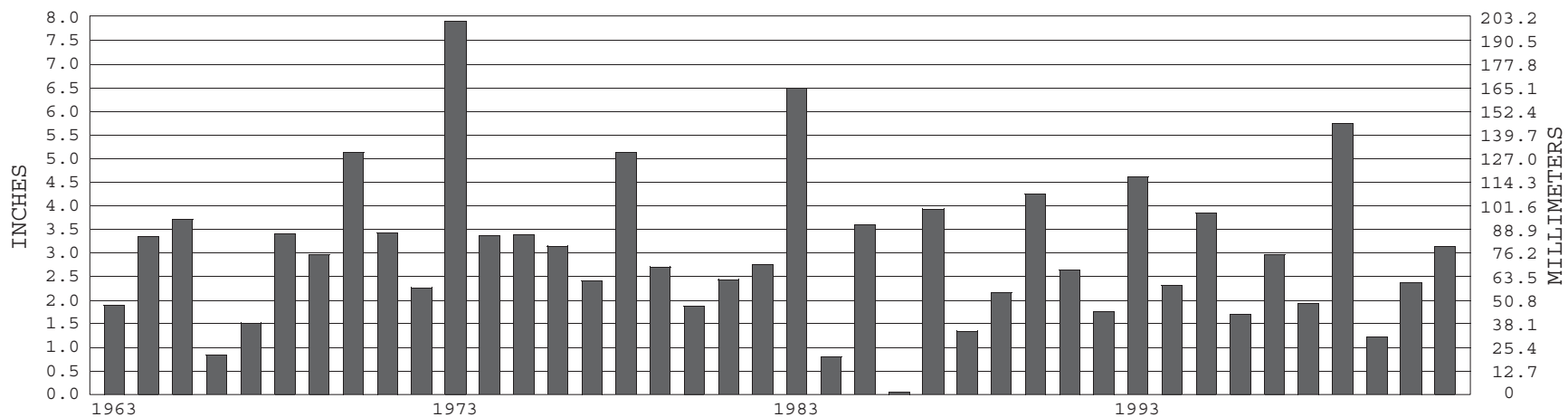
DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			SKY COVER	SATELLITE	SKY COVER	SATELLITE			
01	811	94							
02	471	54							
03	827	95							
04	500	57							
05	769	88							
06	0	0							
07	733	83							
08	0	0							
09	746	84							
10	741	83							
11	611	69							
12	0	0							
13	800	89							
14	406	45							
15	731	81							
16	482	53							
17	304	34							
18	436	48							
19	146	16							
20	871	96							
21	914	100							
22	901	98							
23	837	91							
24	778	85							
25	848	92							
26	857	93							
27	860	93							
28	876	94							
29	902	97							
30	765	82							
31	932	100							
MONTHLY AVGS									
SUNSHINE (MINUTES)									
Total: 19855    Possible: 27918									
Percent Possible: 71									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR    PTLY CLDY    CLOUDY    MISSING									
31									
MINIMUM VISIBILITY (MILES)									
<=0.25    <=3.0    >=7.0									

# MARQUETTE, MI MAY TEMPERATURES



Long-Term (1963-2002) Mean: 50.4    1961-1990 Normal: 50.3

# MARQUETTE, MI MAY PRECIPITATION



Long-Term (1963-2002) Mean Monthly Total: 3.01

1961-1990 Normal: 3.07



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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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