



JANUARY 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	DIR																						
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	23	10	17	4			48	0		12	12	2.5	0.06																															
02	22	10	16	3			49	0		12		0.0	0.00																															
03	29	8	19	7			46	0		11		0.0	0.00																															
04	27	12	20	8			45	0		10		0.0	0.00																															
05	31	16	24	12			41	0		10		0.0	T																															
06	27	14	21	9			44	0		9		4.7	0.07																															
07	27	7	17	5			48	0		11		0.0	T																															
08	36	19	28	16			37	0		10		0.0	0.00																															
09	44*	33	39*	27			26	0		9		0.0	T																															
10	36	28	32	21			33	0		6		0.7	0.09																															
11	38	23	31	20			34	0		6		0.0	T																															
12	30	24	27	16			38	0		7		1.8	0.11																															
13	24	17	21	10			44	0		8		1.4	0.06																															
14	24	13	19	8			46	0		8		2.2	0.12																															
15	24	16	20	9			45	0		10		0.6	0.03																															
16	22	17	20	9			45	0		10		1.5	0.04																															
17	22	3	13	2			52	0		10		0.4	T																															
18	11	1	6*	-5			59	0		10		0.0	T																															
19	22	1*	12	1			53	0		10		0.9	0.02																															
20	27	8	18	7			47	0		11		0.7	0.01																															
21	27	20	24	13			41	0		10		1.1	0.04																															
22	37	16	27	16			38	0		11		0.4	0.01																															
23	36	15	26	15			39	0		11		0.5	T																															
24	27	10	19	8			46	0		11		1.2	0.01																															
25	41	14	28	17			37	0		11		0.0	T																															
26	37	19	28	17			37	0		9		0.0	T																															
27	34	27	31	20			34	0		9		0.0	T																															
28	28	16	22	10			43	0		9		2.0	0.05																															
29	16	12	14	2			51	0		12		7.0	0.13																															
30	20	7	14	2			51	0		16		2.6	0.02																															
31	22	11	17	5			48	0		15		3.0	0.21																															
28.1										14.4		21.3		■ ■						43.4		0.0		< MONTHLY AVERAGES		TOTALS->				35.2		1.08						<- MONTHLY AVERAGES						
8.4										11.1		9.8		■ ■		<-----DEPARTURE FROM NORMAL----->																						-1.52		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3				
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.21 DATE :31									SEA LEVEL PRESSURE									DATE TIME																	
MONTHLY									GREATEST 24-HR SNOWFALL: 7.0 DATE :29									MAXIMUM																										
TOTAL DEPARTURE									SEASON TO DATE									MINIMUM																										
TOTAL DEPARTURE									TOTAL DEPARTURE																																			
HEATING: 1345 -301									4426 -935																																			
COOLING: 0 0									0 0																																			
									NUMBER OF DAYS WITH ➔									MAXIMUM TEMP ≥ 90: 0									MINIMUM TEMP ≤ 32 :30									PRECIPITATION ≥ 0.01 INCH : 17								
																		MAXIMUM TEMP ≤ 32 :22									MINIMUM TEMP ≤ 0 : 0									PRECIPITATION ≥ 0.10 INCH : 4								
																		THUNDERSTORMS :									HEAVY FOG :									SNOWFALL ≥ 1.0 INCH : 12								

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 JANUARY 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.

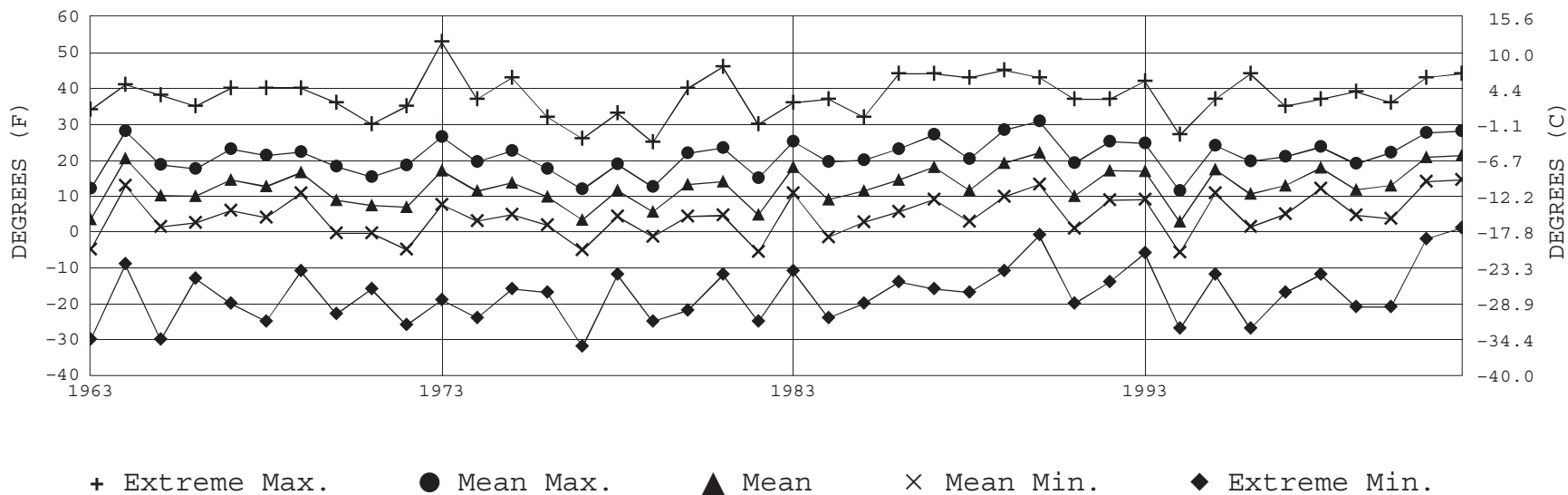
A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

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:

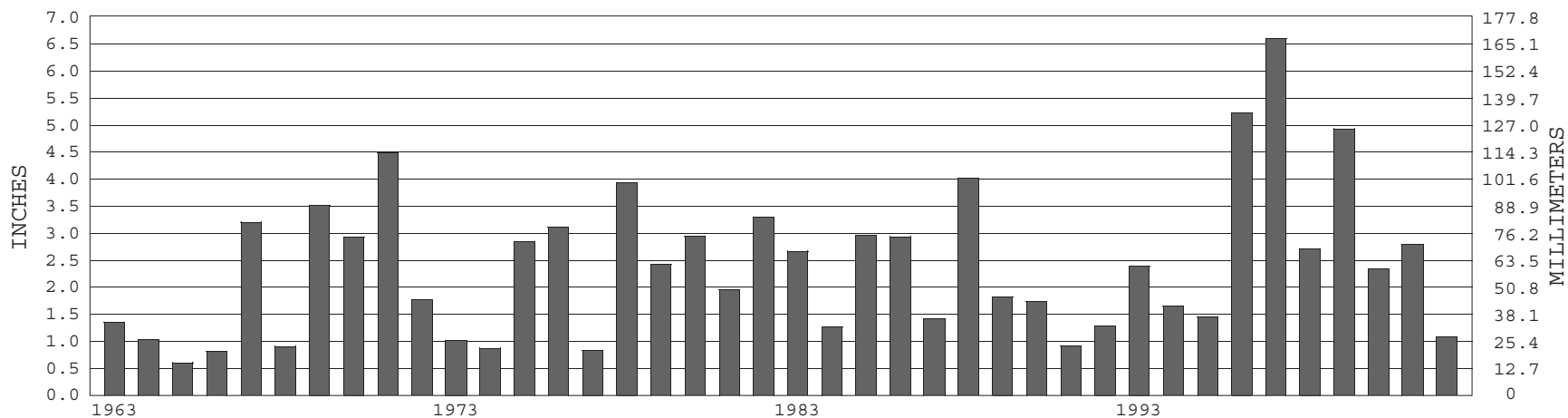
DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			SKY COVER	SATELLITE	SKY COVER	SATELLITE			
01	348	67							
02	472	91							
03	478	92							
04	444	85							
05	285	54							
06	241	46							
07	444	84							
08	345	65							
09	391	74							
10	145	27							
11	486	91							
12	470	88							
13	441	82							
14	425	79							
15	479	89							
16	329	61							
17	501	92							
18	515	100							
19	342	63							
20	421	77							
21	157	28							
22	520	90							
23	0	0							
24	382	68							
25	491	88							
26	246	44							
27	0	0							
28	0	0							
29	0	0							
30	128	22							
31	0	0							
MONTHLY AVGS									
SUNSHINE (MINUTES)									
Total: 9926 Possible: 16890									
Percent Possible: 59									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									

MARQUETTE, MI JANUARY TEMPERATURES



Long-Term (1963-2002) Mean: 12.7 1961-1990 Normal: 11.5

MARQUETTE, MI JANUARY PRECIPITATION



Long-Term (1963-2002) Mean Monthly Total: 2.40

1961-1990 Normal: 2.60



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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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