



NOVEMBER 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	30	22	26	-9			39	0		4		1.6	0.06										01			
02	30	25	28	-7			37	0		4		0.0	T										02			
03	42	23	33	-2			32	0		3		0.0	T										03			
04	34	21	28	-6			37	0		2		0.0	T										04			
05	33	22	28	-6			37	0		2		1.1	0.11										05			
06	34	13	24	-9			41	0		2		0.5	0.05										06			
07	45	11	28	-5			37	0		2		0.0	0.00										07			
08	45	30	38	6			27	0		2		0.0	0.00										08			
09	54*	34	44*	12			21	0		1		0.0	0.00										09			
10	49	28	39	8			26	0		0		0.3	0.47										10			
11	31	21	26	-5			39	0		1		0.4	0.04										11			
12	38	25	32	2			33	0		1		0.3	0.03										12			
13	34	20	27	-3			38	0		1		0.5	0.03										13			
14	31	21	26	-3			39	0		2		0.5	0.04										14			
15	24	3	14	-15			51	0		4		6.4	0.27										15			
16	29	-5*	12*	-17			53	0		7		0.0	T										16			
17	29	7	18	-10			47	0		5		0.4	T										17			
18	36	4	20	-8			45	0		4		0.0	T										18			
19	42	20	31	4			34	0		4		0.0	T										19			
20	34	30	32	5			33	0		3		0.7	0.02										20			
21	34	26	30	4			35	0		3		1.4	0.10										21			
22	27	24	26	0			39	0		5		1.7	0.14										22			
23	34	24	29	3			36	0		4		0.7	0.05										23			
24	28	21	25	0			40	0		4		0.3	T										24			
25	26	10	18	-7			47	0		9		7.4	0.26										25			
26	25	9	17	-7			48	0		9		5.4	0.16										26			
27	21	6	14	-10			51	0		11		0.1	T										27			
28	29	14	22	-1			43	0		9		0.0	0.00										28			
29	40	22	31	8			34	0		7		2.0	0.10										29			
30	22	8	15	-8			50	0		9		6.7	0.20										30			
33.7											< MONTHLY AVERAGES		TOTALS->	38.4	2.13							<- MONTHLY AVERAGES				
-1.7											<-----DEPARTURE FROM NORMAL----->		-1.14	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.51 DATE :10-11				SEA LEVEL PRESSURE DATE TIME													
MONTHLY									GREATEST 24-HR SNOWFALL: 8.6 DATE :29-30				MAXIMUM													
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 11 DATE : 27				MINIMUM													
HEATING: 1169 86 2304 -53									NUMBER OF DAYS WITH ➔				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 29				PRECIPITATION ≥ 0.01 INCH : 17					
COOLING: 0 0 407 240													MAXIMUM TEMP ≤ 32 :14				MINIMUM TEMP ≤ 0 : 1				PRECIPITATION ≥ 0.10 INCH : 9					
													THUNDERSTORMS :				HEAVY FOG :				SNOWFALL ≥ 1.0 INCH : 9					

NOVEMBER 2002
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

NORMALS ARE FOR THE YEARS 1971–2000

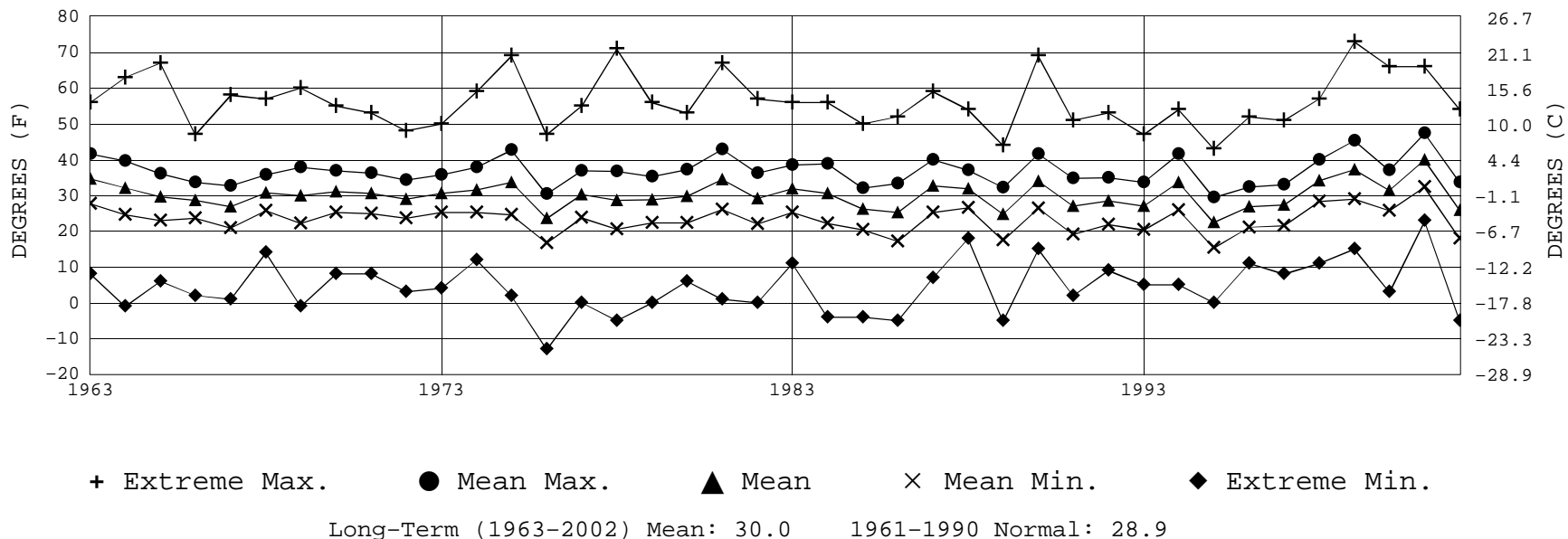
QUALIFIER		WEATHER PHENOMENA	
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed 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

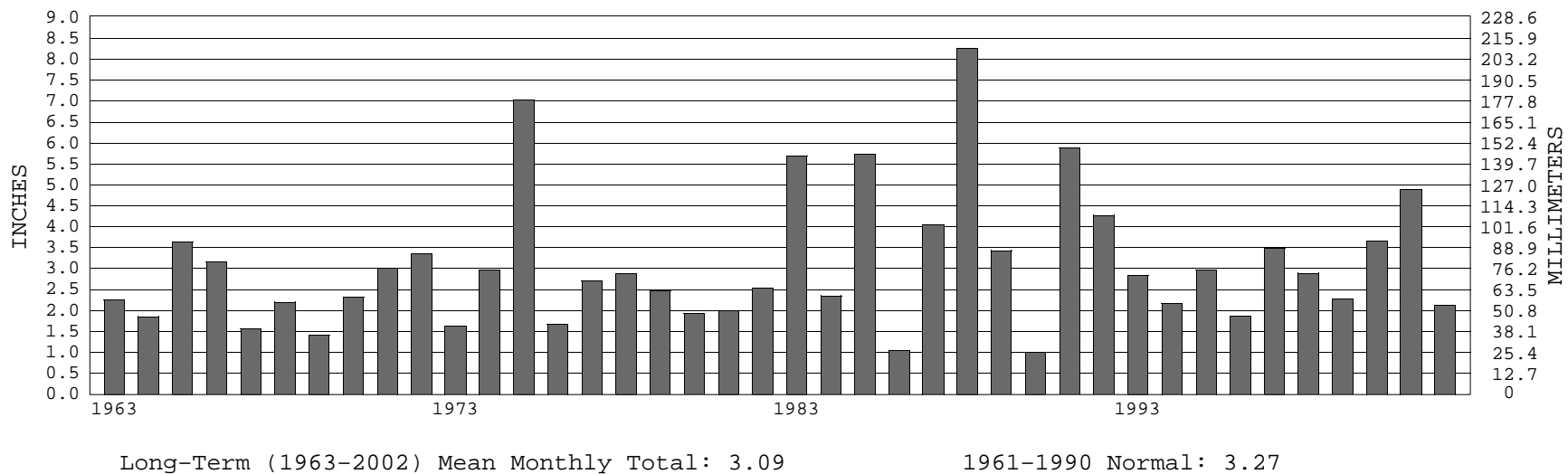
ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			SKY COVER	SATELLITE	SKY COVER	SATELLITE			
01	553	91							
02	456	76							
03	356	59							
04	226	38							
05	235	40							
06	246	42							
07	493	84							
08	421	72							
09	407	70							
10	193	33							
11	473	82							
12	452	79							
13	487	85							
14	0	0							
15	30	5							
16	525	93							
17	501	89							
18	497	89							
19	284	51							
20	113	20							
21	137	25							
22	0	0							
23	75	14							
24	0	0							
25	48	9							
26	0	0							
27	385	71							
28	480	90							
29	428	80							
30	187	35							
MONTHLY AVGS									
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: 8688 Possible: 16952</p> <p align="center">Percent Possible: 51</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">30</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p>									

MARQUETTE, MI NOVEMBER TEMPERATURES



MARQUETTE, MI NOVEMBER PRECIPITATION





NOVEMBER 2002

MARQUETTE, MI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost is \$29 for online delivery (including back issues) compared to \$34 for offline delivery.** To order this and other subscriptions online with your credit card, go to:
www.ncdc.noaa.gov and choose subscriptions.

We welcome your questions or comments, please contact us at
Toll Free Number (866) 742–3322 (voice)
Fax Number : (304) 726–4409
TDD : 828–271–4010
or Email : ncdc.info@noaa.gov
Local Climatological Data is available at www.ncdc.noaa.gov

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center
310 State Route 956 Building 300
Rocket Center, WV 26726

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G–19