



MARCH 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

MILWAUKEE, WI

GENERAL MITCHELL FIELD (MKE)

Lat: 42° 56' N Long: 87° 53' W Elev (Ground): 677 Feet

Time Zone: CENTRAL WBAN: 14839 ISSN #:0198-5752

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		0600 LST	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			5-SEC		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	29	18	24	-6	13	21	41	0	SN	1		1.3	0.08	29.53	30.32	4.8	06	8.8	20	07	16	09	01	
02	34	18	26	-4	27	28	39	0	RA DZ SN BR	3		9.4	0.90	29.10	29.87	2.7	05	12.3	29	33	24	34	02	
03	18	3	11	-19	2	10	54	0	SN BLSN	8		0.3	0.02	29.21	30.00	15.3	31	15.7	31	30	23	33	03	
04	12	-6*	3*	-28	-3	4	62	0	SN BR	8		0.3	0.01	29.36	30.16	9.5	24	10.3	24	23	20	23	04	
05	28	9	19	-12	15	18	46	0	SN BR	8		0.4	0.02	29.38	30.16	2.8	25	4.6	14	24	13	24	05	
06	33	26	30	-1	27	29	35	0	BR	8		0.0	0.00	29.36	30.13	9.1	02	9.7	21	04	17	02	06	
07	35	30	33	1	28	30	32	0	RA BR	7		0.0	T	29.43	30.20	12.7	08	14.0	24	11	18	14	07	
08	55	35	45	13	41	43	20	0	TSRA RA BR	6		0.0	0.13	29.10	29.85	6.0	19	8.0	26	19	21	20	08	
09	59*	19	39	7	29	34	26	0	TS RA SN BR BLSN	0		0.2	0.22	28.95	29.70	17.4	24	21.7	49*	26	37*	24	09	
10	27	12	20	-13	3	16	45	0		0		0.0	0.00	29.60	30.39	16.2	29	16.8	44	30	33	28	10	
11	45	24	35	2	21	29	30	0		0		0.0	0.00	29.36	30.14	10.2	20	11.0	31	22	26	23	11	
12	44	24	34	0	30	34	31	0	BR HZ	0		0.0	0.00	29.22	29.99	4.3	15	6.4	16	17	14	14	12	
13	56	36	46*	12	35	40	19	0	BR	0		0.0	0.00	29.07	29.82	5.3	25	11.6	26	01	22	25	13	
14	41	34	38	4	32	35	27	0	BR	0		0.0	0.00	29.07	29.83	14.9	05	15.3	25	07	22	06	14	
15	43	32	38	3	28	34	27	0	SN BR HZ	0		T	T	29.10	29.86	8.4	30	13.4	33	27	28	30	15	
16	37	29	33	-2	24	30	32	0	SN	0		T	T	29.58	30.35	11.8	04	12.7	25	06	20	06	16	
17	38	32	35	0	28	32	30	0	RA SN BR	0		0.4	0.04	29.40	30.17	11.1	09	12.0	23	10	20	10	17	
18	40	30	35	-1	30	33	30	0	BR	0		0.0	0.00	29.49	30.26	1.3	06	6.9	18	32	15	30	18	
19	43	30	37	1	33	35	28	0	RA BR HZ	0		0.0	0.05	29.41	30.18	6.0	11	8.3	23	14	21	14	19	
20	40	33	37	1	32	34	28	0	RA DZ BR	0		0.0	0.04	29.36	30.12	4.3	03	10.7	22	34	16	21	20	
21	41	15	28	-9	8	18	37	0	RA SN BR BLSN	T		0.7	0.04	29.55	30.34	17.6	31	18.9	37	31	30	31	21	
22	34	13	24	-13	7	20	41	0		0		0.0	0.00	29.43	30.21	13.9	27	14.4	30	30	24	27	22	
23	44	26	35	-2	14	28	30	0		0		0.0	0.00	29.21	29.97	9.3	27	11.3	25	32	21	28	23	
24	36	23	30	-8	18	26	35	0		0		0.0	0.00	29.40	30.17	14.2	03	15.1	36	04	29	04	24	
25	30	20	25	-13	15	22	40	0	SN	0		T	T	29.59	30.37	17.8	06	18.3	35	07	28	06	25	
26	35	26	31	-7	21	27	34	0		0		0.0	0.00	29.46	30.23	10.8	03	12.6	28	03	24	03	26	
27	44	22	33	-6	20	30	32	0		0		0.0	0.00	29.43	30.20	5.7	16	8.6	22	14	20	14	27	
28	48	31	40	1	31	37	25	0	RA BR HZ	0		0.0	0.04	29.14	29.90	10.9	19	11.7	26	22	21	20	28	
29	44	35	40	1	38	39	25	0	RA FG+ BR	0		0.0	0.13	29.03	29.78	4.8	20	6.1	17	21	15	21	29	
30	51	35	43	3	22	35	22	0	HZ	0		0.0	0.00	29.18	29.93	12.4	27	13.1	32	29	23	30	30	
31	45	28	37	-3	24	32	28	0	RA SN	0		T	0.04	29.25	30.01	7.8	27	9.6	23	31	20	22	31	
39.0 23.9 31.5 ■■										< MONTHLY AVERAGES TOTALS->				13.0	1.76	29.31	30.08	1.8	32	11.9	<- MONTHLY AVERAGES			
-3.6 -3.4 -3.4 ■■										<-----DEPARTURE FROM NORMAL----->					- .83	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.90 DATE :02				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE 1031 48									GREATEST 24-HR SNOWFALL: 9.4 DATE :02				MAXIMUM : 30.48 10 1152											
SEASON TO DATE TOTAL DEPARTURE 5114 -1172									GREATEST SNOW DEPTH: 8 DATE :06+				MINIMUM : 29.39 09 0952											
HEATING: 1031 48									NUMBER OF DAYS WITH ➡		MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32 : 25			PRECIPITATION ≥ 0.01 INCH : 14							
COOLING: 0 0											MAXIMUM TEMP ≤ 32 : 6			MINIMUM TEMP ≤ 0 : 1			PRECIPITATION ≥ 0.10 INCH : 4							
											THUNDERSTORMS : 2			HEAVY FOG : 1			SNOWFALL ≥ 1.0 INCH : 2							

MARCH 2002
MILWAUKEE, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MILWAUKEE, WI

MARCH 2002

MKE

WBAN # 14839

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water Equiv.
01													01												01	0.05	0.08	
02	0.03	0.03	0.01	T	T	T	T	0.01	T	0.02	0.01	0.01	02	0.08	0.07	0.04	0.02	0.01	0.01	T	0.01	T	T	0.03	0.02	02	0.36	0.90
03	T	T	T	0.02	T	T	T						03							T	T	T	T	T		03	0.02	
04											T	T	04	T	T	T	T	T	T	T	T	T	T	T		04	0.01	
05													05													05	0.02	
06													06													06	0.00	
07													07										T	T		07	T	
08			0.04	T		T	0.02	0.03	0.01	0.01		T	08						T	0.04						08	0.13	
09				0.01		0.08	0.08	0.01					09	T	T	T	T	T	T	T	T					09	0.22	
10													10													10	0.00	
11													11													11	0.00	
12													12													12	0.00	
13													13													13	0.00	
14													14													14	0.00	
15													15										T	T		15	0.00	
16	T	T											16													16	T	
17												T	17	T	T						T	T	T			17	0.04	
18													18													18	0.00	
19													19									T	T	0.01	0.02	0.02	19	0.05
20	0.02	0.02	T	T	T	T							20													20	0.04	
21		T	0.01	T	T	T	T	T	T	T	T		21													21	0.04	
22													22													22	0.00	
23													23													23	0.00	
24													24													24	0.00	
25											T	T	25													25	0.00	
26													26													26	0.00	
27													27													27	0.00	
28												T	28	T	0.01											28	0.04	
29												T	29	0.06							T					29	0.13	
30													30				0.01	T								30	0.00	
31									T	0.02	0.01		31													31	0.04	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.03	.04	.06	.08	.09	.12	.14	.14	.16	.16	.18	.20
Ending Date	09	09	09	09	09	09	09	09	09	09	02	02
Ending Time (Hour/Min)	0603	0603	0603	0603	0610	0603	0610	0637	0645	0645	1411	1439

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

* = Extreme for the month (last occurrence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .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

MILWAUKEE, WI
MARCH 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 sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. 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 to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ERRATA for Jan & Feb 2002 LCD's: To stay consistent with the Heating Degree Day Season (July 2001 – June 2002), NCDC reinstalled the 1961 – 1990 Heating Degree Day Normals and corrected the Jan & Feb 2002 LCD's. The corrected LCD's are available on NCDC's Website. The 1971 – 2000 Heating Degree Day Normals will go into effect with the July 2002 LCD. The new Cooling Degree Day Normals went into effect with the Jan 2002 LCD.

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OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

MARCH 2002

MKE

WBAN # 14839

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT <small>Oktas</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT <small>Oktas</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
	SUNRISE: 0628					MAR 01	SUNSET: 1741						SUNRISE: 0618					MAR 07	SUNSET: 1748										
03	SCT	NC			10.00		22	10	19	60	9	31	29.44	30.22	03	OVC	016			10.00		30	24	28	79	14	05	29.46	30.24
06	CLR	NC			10.00		19	8	16	62	9	31	29.53	30.32	06	OVC	010			10.00		30	26	29	85	13	06	29.47	30.24
09	FEW	NC			10.00		21	7	17	54	0	00	29.61	30.39	09	OVC	012			10.00		31	27	29	85	14	07	29.48	30.26
12	BKN	220			10.00		25	8	20	48	8	10	29.63	30.41	12	OVC	010			9.00		31	28	30	89	13	09	29.47	30.24
15	OVC	140			10.00		25	11	21	55	8	08	29.60	30.38	15	OVC	008			7.00		31	28	30	89	14	10	29.44	30.22
18	OVC	080			10.00		25	16	22	69	12	08	29.55	30.34	18	OVC	010			8.00		32	30	31	92	15	10	29.40	30.18
21	OVC	050			10.00		28	20	25	72	13	09	29.51	30.30	21	OVC	008			6.00	BR	33	31	32	92	15	11	29.34	30.12
24	OVC	007			0.75	-SN	29	28	29	96	13	08	29.44	30.22	24	OVC	004			0.50	BR	35	34	35	96	14	14	29.26	30.02
	SUNRISE: 0626					MAR 02	SUNSET: 1742						SUNRISE: 0616					MAR 08	SUNSET: 1749										
03	OVC	004			0.50	-SN	33	32	33	96	12	13	29.31	30.08	03	OVC	022			2.00	-RA BR	37	36	37	96	16	15	29.11	29.87
06	OVC	006			6.00	-RASN	34	33	34	97	14	15	29.22	29.99	06	OVC	075			4.00	-TSRA	41	40	41	96	9	19	29.05	29.81
09	OVC	004			3.00	-RA	34	33	34	97	13	15	29.15	29.91	09	OVC	026			9.00		45	43	44	93	10	23	29.09	29.85
12	OVC	006			1.50	-SN BR	34	32	33	92	6	18	29.06	29.82	12	OVC	026			10.00		52	46	49	80	7	24	29.11	29.86
15	OVC	006			0.25	SN	28	26	27	92	9	35	29.00	29.77	15	OVC	032			10.00		55	49	52	80	3	19	29.10	29.85
18	OVC	005			0.25	-SN	24	22	23	91	15	34	28.97	29.74	18	OVC	041			9.00		45	42	44	90	0	00	29.10	29.85
21	OVC	025			1.00	-SN BR	22	19	21	89	16	35	28.97	29.74	21	OVC	055			3.00	BR	39	39	39	100	3	03	29.09	29.85
24	OVC	031			2.50	-SN BR	18	14	17	84	21	34	29.00	29.77	24	BKN	080			5.00	BR	40	39	40	97	3	11	28.99	29.74
	SUNRISE: 0624					MAR 03	SUNSET: 1743						SUNRISE: 0614					MAR 09	SUNSET: 1751										
03	OVC	033			3.00	-SN BLSN	16	11	15	80	20	33	29.03	29.80	03	OVC	046			10.00	TS	58	48	53	70	18	19	28.84	29.58
06	OVC	030			5.00	-SN BLSN	13	8	12	81	21	32	29.08	29.85	06	OVC	023			5.00	RA BR	56	53	54	90	21	19	28.78	29.51
09	BKN	250			10.00		12	3	10	67	16	32	29.17	29.95	09	OVC	100			10.00		55	51	53	87	14	19	28.66	29.40
12	FEW	NC			10.00		15	2	12	56	15	28	29.23	30.01	12	OVC	019			9.00		34	27	31	76	28	26	28.74	29.48
15	SCT	NC			10.00		15	-1	12	49	16	30	29.27	30.05	15	OVC	025			2.00	-SN	26	19	24	75	24	26	28.90	29.65
18	SCT	NC			10.00		11	1	9	64	10	31	29.32	30.12	18	OVC	041			9.00	-SN	24	11	20	57	29	27	29.12	29.87
21	FEW	NC			10.00		7	-5	5	57	13	29	29.36	30.16	21	BKN	046			10.00		23	8	19	53	29	27	29.27	30.03
24	CLR	NC			10.00		3	-10	1	54	10	29	29.36	30.16	24	SCT	NC			10.00		19	4	15	52	24	28	29.37	30.15
	SUNRISE: 0623					MAR 04	SUNSET: 1745						SUNRISE: 0612					MAR 10	SUNSET: 1752										
03	CLR	NC			10.00		-1	-11	-2	62	8	27	29.37	30.17	03	FEW	NC			10.00		15	1	12	53	28	28	29.45	30.24
06	FEW	NC			10.00		-5	-12	-6	72	7	25	29.38	30.19	06	FEW	NC			10.00		13	-2	10	51	22	30	29.54	30.33
09	BKN	250			10.00		-1	-11	-2	62	10	24	29.40	30.21	09	FEW	NC			10.00		15	0	12	51	21	30	29.64	30.42
12	BKN	230			10.00		9	-4	7	55	16	25	29.37	30.17	12	FEW	NC			10.00		20	1	16	43	22	30	29.69	30.48
15	OVC	180			10.00		11	-2	8	56	15	22	29.31	30.11	15	SCT	NC			10.00		26	2	20	35	16	31	29.68	30.46
18	OVC	017			2.50	-SN	10	5	9	80	15	21	29.33	30.14	18	FEW	NC			10.00		26	1	20	34	9	29	29.64	30.43
21	OVC	080			6.00	-SN BR	10	6	9	84	6	23	29.32	30.12	21	BKN	100			10.00		24	8	20	50	6	24	29.62	30.41
24	FEW	NC			10.00		10	6	9	84	0	00	29.33	30.13	24	BKN	130			10.00		25	9	21	50	7	26	29.61	30.40
	SUNRISE: 0621					MAR 05	SUNSET: 1746						SUNRISE: 0611					MAR 11	SUNSET: 1753										
03	CLR	NC			10.00		10	7	9	87	5	28	29.36	30.15	03	OVC	130			10.00		24	14	21	65	6	15	29.55	30.34
06	BKN	180			9.00		11	7	10	84	6	28	29.42	30.22	06	BKN	130			10.00		25	14	22	63	9	17	29.51	30.29
09	BKN	110			7.00		15	11	14	84	5	VR	29.44	30.24	09	OVC	180			10.00		31	17	26	56	16	18	29.42	30.20
12	OVC	050			3.00	-SN	20	12	18	71	6	24	29.45	30.24	12	OVC	150			10.00		38	19	31	47	18	20	29.32	30.09
15	OVC	010			1.00	-SN	23	19	22	85	7	21	29.38	30.18	15	OVC	120			10.00		44	24	36	45	16	22	29.24	30.00
18	BKN	250			7.00		23	21	22	92	0	00	29.34	30.14	18	BKN	150			10.00		41	28	36	60	9	22	29.25	30.01
21	OVC	022			6.00	BR	27	24	26	89	0	00	29.32	30.10	21	BKN	150			10.00		37	28	34	70	7	19	29.25	30.01
24	BKN	075			4.00	BR	27	25	26	92	3	01	29.28	30.05	24	CLR	NC			10.00		34	27	31	76	7	24	29.25	30.01
	SUNRISE: 0619					MAR 06	SUNSET: 1747						SUNRISE: 0609					MAR 12	SUNSET: 1754										
03	OVC	012			3.00	BR	29	28	29	96	5	30	29.27	30.04	03	CLR	NC			8.00		29	26	28	89	0	00	29.25	30.01
06	OVC	012			4.00	BR	30	28	29	92	3	35	29.27	30.04	06	CLR	NC			5.00	BR	25	22	24	88	0	00	29.28	30.04
09	OVC	005			3.00	BR	30	28	29	92	10	01	29.32	30.10	09	FEW	NC			7.00		38	29	34	70	6	05	29.30	30.06
12	OVC	009			3.00	BR	31	30	31	96	12	01	29.35	30.13	12	SCT	NC			10.00		43	32	38	65	7	11	29.28	30.03
15	OVC	008			10.00		31	27	29	85	14	01	29.37	30.14	15	FEW	NC			9.00		43	33	39	68	13	14	29.21	29.98
18	OVC	015			10.00		31	26	29	82	13	01	29.41	30.19	18	BKN	240			9.00		42	32	38	68	9	17	29.17	29.93
21	OVC	016			10.00		30	25	28	82	14	01	29.44	30.21	21	BKN	240			10.00		40	31	36	70				

MILWAUKEE, WI

MARCH 2002

MKE

WBAN # 14839

Hour (LST)				SATELLITE		Weather	Temperature °F			Relative Humidity (Pct)	Wind		Pressure (Inches,Hg)		Hour (LST)				SATELLITE		Weather	Temperature °F			Relative Humidity (Pct)	Wind		Pressure (Inches,Hg)	
	Sky Cover	Ceiling 100'S or FT	Observation Time (LST)	Eff Cld Amt <small>Oktas</small>	Visibility (Miles)		Dry Bulb	Dew Point	Wet Bulb		Speed (MPH)	Direction Tens of Deg	Station	Sea Level		Sky Cover	Ceiling 100'S or FT	Observation Time (LST)	Eff Cld Amt <small>Oktas</small>	Visibility (Miles)		Dry Bulb	Dew Point	Wet Bulb		Speed (MPH)	Direction Tens of Deg	Station	Sea Level
Sunrise: 0607				MAR 13		Sunset: 1755				Sunrise: 0557				MAR 19		Sunset: 1801													
03	CLR	NC		7.00	BR	38	34	36	86	15	22	29.06	29.81	03	OVC	200		7.00	31	29	30	92	0	00	29.54	30.31			
06	FEW	NC		6.00		37	34	36	89	15	21	29.02	29.78	06	OVC	250		8.00	32	30	31	92	8	11	29.49	30.23			
09	FEW	NC		7.00		44	36	40	73	12	22	28.99	29.74	09	BKN	250		8.00	38	33	36	83	12	13	29.46	30.23			
12	BKN	200		10.00		53	35	45	51	13	22	28.98	29.73	12	OVC	200		7.00	43	35	40	74	13	13	29.40	30.16			
15	OVC	180		10.00		54	36	46	51	10	27	29.03	29.78	15	OVC	070		5.00	39	34	37	82	7	12	29.36	30.13			
18	OVC	140		10.00	47	36	42	66	5	09	29.08	29.83	18	OVC	055		5.00	38	34	36	86	3	07	29.34	30.11				
21	OVC	130		10.00	43	34	39	71	6	01	29.17	29.92	21	OVC	033		4.00	37	35	36	93	7	04	29.31	30.08				
24	BKN	130		10.00	37	33	35	86	15	01	29.24	29.99	24	OVC	005		5.00	37	36	37	96	8	02	29.31	30.06				
Sunrise: 0605				MAR 14		Sunset: 1757				Sunrise: 0555				MAR 20		Sunset: 1803													
03	OVC	110		10.00		35	29	33	78	16	04	29.25	30.00	03	OVC	002		5.00	35	34	35	96	10	36	29.28	30.04			
06	OVC	110		10.00		35	29	33	78	14	05	29.26	30.01	06	OVC	007		9.00	35	33	34	93	10	34	29.31	30.08			
09	OVC	017		10.00		37	30	34	76	17	06	29.24	30.00	09	OVC	013		10.00	37	32	35	82	9	01	29.38	30.14			
12	OVC	016		9.00		38	33	36	83	20	06	29.14	29.90	12	BKN	027		10.00	39	32	36	76	10	04	29.42	30.19			
15	OVC	140		10.00		40	33	37	77	17	05	28.99	29.74	15	OVC	026		10.00	37	31	35	79	9	04	29.41	30.18			
18	OVC	055		10.00	40	34	37	79	18	06	28.89	29.65	18	BKN	033		10.00	35	30	33	82	7	09	29.39	30.16				
21	SCT	NC		10.00	38	34	36	86	15	08	28.87	29.62	21	SCT	NC		7.00	33	31	32	92	7	20	29.38	30.15				
24	FEW	NC		6.00	37	35	36	93	7	03	28.80	29.55	24	OVC	050		6.00	35	31	33	85	14	21	29.29	30.05				
Sunrise: 0604				MAR 15		Sunset: 1758				Sunrise: 0553				MAR 21		Sunset: 1804													
03	BKN	016		5.00	BR	41	38	40	89	16	26	28.79	29.54	03	OVC	018		1.50	31	28	30	89	17	33	29.32	30.10			
06	BKN	019		10.00		40	33	37	77	22	24	28.89	29.64	06	OVC	017		1.75	21	18	20	88	17	34	29.47	30.24			
09	OVC	023		10.00		39	29	35	67	14	27	28.98	29.74	09	FEW	NC		10.00	18	3	14	52	20	33	29.59	30.38			
12	OVC	024		10.00		38	26	33	62	13	30	29.13	29.89	12	BKN	044		10.00	18	5	15	57	22	32	29.64	30.42			
15	OVC	030		10.00		37	24	32	60	15	32	29.20	29.96	15	FEW	NC		10.00	21	-3	16	34	26	30	29.64	30.42			
18	OVC	035		10.00	36	22	31	57	10	01	29.29	30.05	18	FEW	NC		10.00	19	-2	14	39	20	30	29.62	30.41				
21	OVC	029		10.00	35	27	32	72	14	03	29.36	30.13	21	FEW	NC		10.00	18	1	14	47	16	30	29.64	30.43				
24	OVC	020		10.00	32	24	29	73	15	02	29.41	30.19	24	CLR	NC		10.00	15	1	12	53	10	29	29.62	30.42				
Sunrise: 0602				MAR 16		Sunset: 1759				Sunrise: 0551				MAR 22		Sunset: 1805													
03	OVC	018		10.00		29	22	27	75	13	35	29.46	30.24	03	CLR	NC		10.00	13	3	11	64	12	28	29.58	30.37			
06	OVC	021		10.00		29	22	27	75	10	02	29.54	30.31	06	SCT	NC		10.00	13	5	11	70	14	28	29.54	30.33			
09	OVC	023		10.00		33	24	30	70	15	05	29.60	30.38	09	FEW	NC		10.00	18	6	15	60	17	27	29.50	30.29			
12	CLR	NC		10.00		36	24	32	62	14	05	29.65	30.42	12	FEW	NC		10.00	28	8	22	43	17	29	29.43	30.22			
15	CLR	NC		10.00		35	23	31	61	15	05	29.63	30.40	15	FEW	NC		10.00	32	8	25	36	17	26	29.36	30.15			
18	CLR	NC		10.00	32	23	29	69	12	04	29.60	30.38	18	CLR	NC		10.00	33	8	26	35	10	27	29.32	30.10				
21	CLR	NC		10.00	32	27	30	82	13	05	29.61	30.39	21	CLR	NC		10.00	31	10	25	42	14	25	29.30	30.07				
24	CLR	NC		10.00	33	29	31	85	10	09	29.57	30.35	24	CLR	NC		10.00	29	11	24	47	12	26	29.25	30.02				
Sunrise: 0600				MAR 17		Sunset: 1800				Sunrise: 0550				MAR 23		Sunset: 1806													
03	SCT	NC		10.00		32	22	28	66	16	11	29.53	30.30	03	CLR	NC		10.00	28	10	23	47	16	26	29.21	29.98			
06	OVC	110		10.00		32	23	29	69	12	10	29.50	30.27	06	CLR	NC		10.00	26	15	23	63	13	24	29.19	29.96			
09	OVC	013		10.00		34	28	32	79	17	09	29.45	30.22	09	CLR	NC		10.00	34	11	27	38	16	26	29.17	29.93			
12	OVC	036		4.00		34	30	32	85	14	10	29.41	30.19	12	CLR	NC		10.00	42	8	31	24	15	31	29.19	29.95			
15	OVC	011		10.00		36	32	34	86	15	06	29.32	30.09	15	BKN	180		10.00	44	12	33	27	15	29	29.18	29.94			
18	OVC	036		10.00	36	29	33	76	10	07	29.29	30.05	18	BKN	200		10.00	40	14	31	35	7	33	29.19	29.96				
21	OVC	026		7.00	35	30	33	82	6	09	29.30	30.06	21	BKN	200		10.00	30	25	28	82	6	13	29.26	30.03				
24	OVC	017		8.00	34	32	33	92	6	32	29.31	30.07	24	OVC	180		10.00	33	23	29	67	0	00	29.29	30.05				
Sunrise: 0558				MAR 18		Sunset: 1800				Sunrise: 0548				MAR 24		Sunset: 1807													
03	OVC	014		6.00	BR	34	32	33	92	5	31	29.34	30.11	03	SCT	NC		10.00	29	19	26	66	5	31	29.29	30.04			
06	FEW	NC		7.00		34	31	33	89	7	31	29.40	30.17	06	BKN	180		10.00	30	16	26	56	5	31	29.30	30.06			
09	BKN	015		10.00		36	29	33	76	12	31	29.48	30.25	09	OVC	140		10.00	34	27	31	76	18	02	29.33	30.10			
12	BKN	027		10.00		39	30	35	70	5	04	29.52	30.29	12	OVC	140		10.00	35	23	31	61	17	04	29.38	30.15			
15	OVC	031		10.00		38	30	35	73	8	11	29.54	30.31	15	OVC	026		10.00	32	21	28	64	25	03	29.40	30.17			
18	BKN	200		8.00	34	30	32	85	8	12	29.55	30.33	18	OVC	026		10.00	26	17	23	69	24	04	29.47	30.25				
21	SCT	NC		7.00	32	30	31	92	5	13	29.57	30.35	21	BKN	024		10.00	24	15	21	68	20	03	29.54	30.32				
24	BKN	220		8.00	30	28	29	92	6	14	29.54	30.32	24	BKN	024		10.00	24	14	21	65	26	04	29.56	30.34				

OBSERVATIONS AT 3-HOURLY INTERVALS

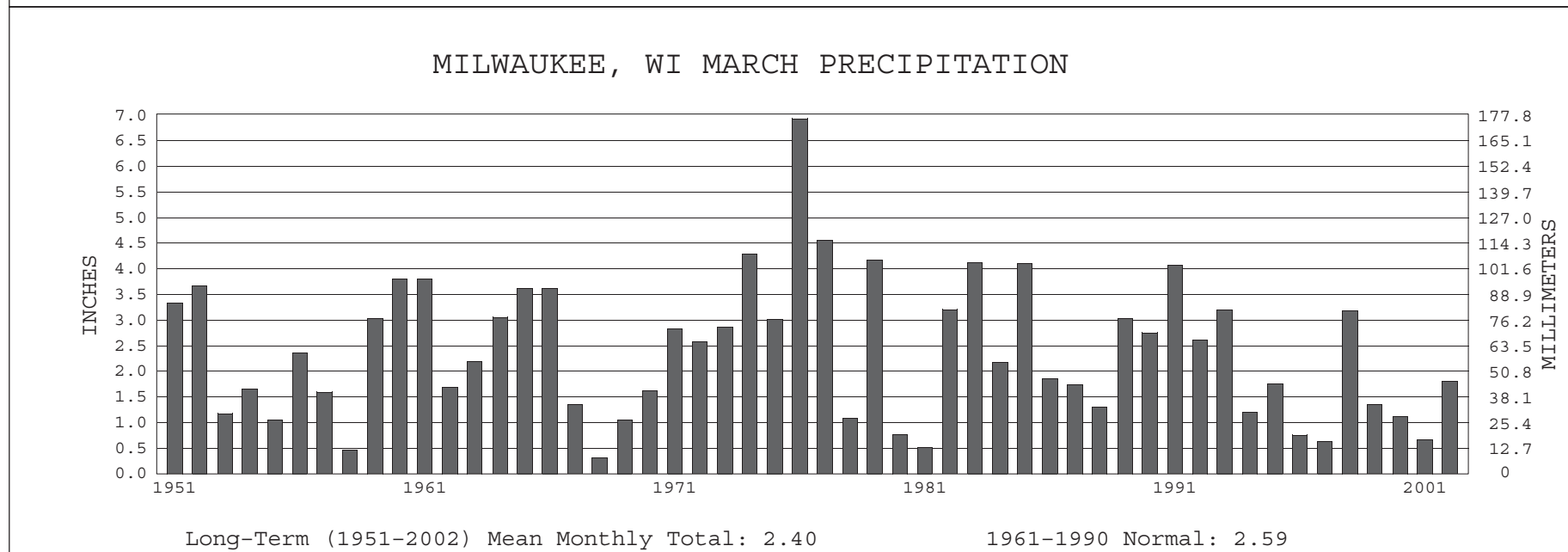
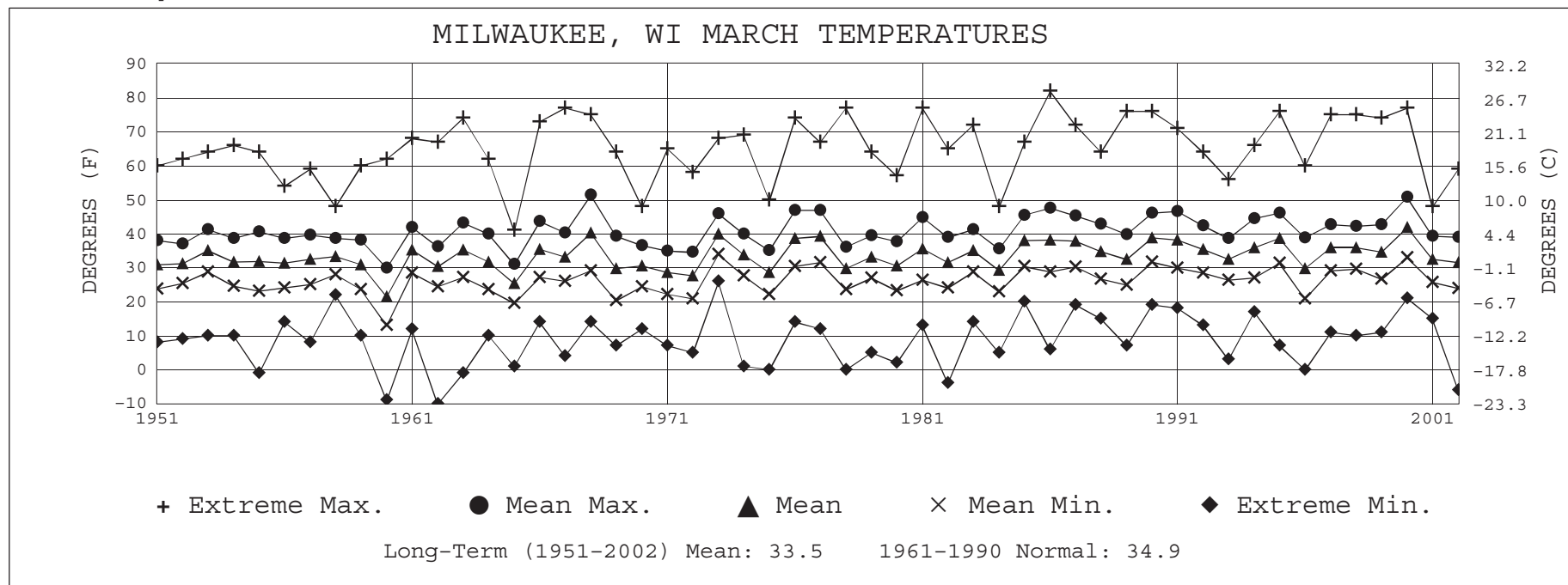
MILWAUKEE, WI

MARCH 2002

MKE

WBAN # 14839

HOUR (LST)	SKY COVER		CEILING 100'S OFFT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER		CEILING 100'S OFFT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)			
				DRY BULB	DEW POINT					WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL	DRY BULB	DEW POINT					WET BULB	SPEED (MPH)					DIRECTION TENS OF DEG	STATION	SEA LEVEL							
				SUNRISE: 0546 MAR 25 SUNSET: 1808																																	
03	BKN	022						10.00		21	12	19	68	25	06	29.57	30.35	03	CLR	NC						10.00		32	20	28	61	7	21	29.30	30.05		
06	OVC	020						10.00		20	11	17	68	21	06	29.60	30.39	06	FEW	NC					10.00		33	21	29	61	8	23	29.29	30.04			
09	OVC	021						10.00		22	14	20	71	18	07	29.63	30.42	09	OVC	028				9.00	-RASN	35	31	33	85	8	27	29.31	30.07				
12	OVC	023						10.00		25	15	22	66	20	04	29.65	30.43	12	BKN	010				10.00		40	32	37	73	16	24	29.26	30.01				
15	BKN	033						10.00		29	16	25	58	16	06	29.59	30.38	15	SCT	NC				10.00		44	29	38	55	9	24	29.18	29.94				
18	SCT	NC						10.00		27	17	24	66	13	04	29.61	30.40	18	BKN	070				10.00		43	16	33	34	14	30	29.18	29.94				
21	SCT	NC						10.00		30	22	27	72	14	04	29.57	30.36	21	FEW	NC				10.00		38	18	31	44	10	30	29.22	29.98				
24	BKN	120						10.00		28	17	25	63	14	09	29.54	30.32	24	FEW	NC				10.00		33	21	29	61	7	30	29.24	30.00				
SUNRISE: 0544 MAR 26 SUNSET: 1810										3-HOURLY OBSERVATION NOTES																											
										Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8. Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected. & = Original observation contained additional weather elements. See page 3 for additional notes.																											
03	OVC	044						10.00		27	18	24	69	15	07	29.48	30.26	SUMMARY BY HOUR										AVERAGES									
06	OVC	018						10.00		26	20	24	78	12	03	29.46	30.24	HOUR (LST)	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH)								
09	BKN	021						10.00		29	19	26	66	17	03	29.45	30.22																				
12	BKN	023						10.00		33	20	29	59	17	01	29.44	30.22	01			29	22	27	75	29.31	30.08	7.90	11	2	32							
15	FEW	NC						10.00		34	22	30	61	18	02	29.42	30.19	02			29	22	27	76	29.31	30.07	7.98	11	2	31							
18	FEW	NC						10.00		31	23	28	72	12	03	29.44	30.22	03			29	22	27	76	29.30	30.07	7.71	11	2	30							
21	CLR	NC						10.00		31	22	28	69	5	27	29.45	30.23	04			28	22	26	76	29.30	30.07	7.86	11	2	30							
24	CLR	NC						10.00		28	19	25	69	3	30	29.45	30.23	05			28	21	26	76	29.30	30.07	7.98	12	2	30							
SUNRISE: 0543 MAR 27 SUNSET: 1811																																					
03	FEW	NC						10.00		23	16	21	74	0	00	29.45	30.23	06			28	22	26	78	29.31	30.08	8.09	11	2	27							
06	FEW	NC						10.00		26	18	23	71	3	27	29.48	30.26	07			29	22	27	77	29.32	30.09	8.09	12	2	27							
09	CLR	NC						10.00		38	19	31	47	3	VR	29.49	30.27	08			30	23	27	75	29.32	30.09	8.42	13	2	29							
12	CLR	NC						10.00		42	20	34	41	13	13	29.47	30.24	09			31	23	29	71	29.33	30.10	8.94	12	2	33							
15	CLR	NC						10.00		42	23	35	47	17	13	29.41	30.18	10			33	23	30	68	29.33	30.10	8.76	13	2	30							
18	SCT	NC						10.00		38	23	32	55	12	16	29.36	30.14	11			34	23	30	66	29.33	30.10	8.61	14	3	30							
21	BKN	250						10.00		36	25	32	64	13	20	29.37	30.14	12			34	23	30	65	29.33	30.10	8.40	14	3	31							
24	CLR	NC						10.00		33	21	29	61	10	19	29.34	30.11	13			35	23	31	63	29.32	30.08	8.54	14	2	31							
SUNRISE: 0541 MAR 28 SUNSET: 1812																																					
03	BKN	120						10.00		32	19	28	59	9	19	29.30	30.06	14			35	22	31	63	29.31	30.07	9.00	14	2	30							
06	BKN	100						10.00		34	26	31	73	14	18	29.23	29.99	15			35	23	31	64	29.30	30.07	8.90	13	2	36							
09	OVC	085						10.00		39	28	35	65	10	17	29.15	29.91	16			34	22	30	64	29.30	30.07	8.77	13	2	35							
12	OVC	030						2.50	-RA	41	32	37	70	13	20	29.09	29.85	17			33	22	29	67	29.31	30.08	8.86	11	2	36							
15	OVC	019						7.00		45	38	42	77	14	22	29.06	29.81	18			32	22	29	69	29.31	30.08	8.82	10	1	34							
18	OVC	200						7.00		46	39	43	77	5	17	29.05	29.81	19			32	23	29	71	29.32	30.09	8.74	10	2	1							
21	SCT	NC						7.00		42	37	40	82	12	19	29.06	29.82	20			31	23	28	73	29.32	30.09	8.42	11	1	34							
24	CLR	NC						4.00	BR	40	38	39	93	14	21	29.06	29.82	21			31	23	28	74	29.32	30.09	8.18	10	2	33							
SUNRISE: 0539 MAR 29 SUNSET: 1813																																					
03	CLR	NC						3.00	BR	39	38	39	96	5	28	29.06	29.81	22			31	23	28	75	29.31	30.08	8.09	11	2	34							
06	CLR	NC						2.00	BR	36	35	36	97	3	30	29.03	29.79	23			30	23	28	75	29.31	30.08	7.99	10	2	33							
09	OVC	070						4.00	BR	41	39	40	93	0	00	29.06	29.81	24																			
12	OVC	028						2.50	-RA BR	43	41	42	93	3	17	29.04	29.79	01																			
15	OVC	007						10.00		43	40	42	89	10	16	28.98	29.73	02																			
18	SCT	NC						10.00		42	38	40	85	9	17	28.97	29.73	03																			
21	FEW	NC						7.00		39	37	38	93	6	22	29.01	29.77	04																			
24	CLR	NC						10.00		40	31	36	70	7	25	29.05	29.80	05																			
SUNRISE: 0537 MAR 30 SUNSET: 1814																																					
03	CLR	NC						8.00		37	25	32	62	8	24	29.07	29.83	06																			
06	CLR	NC						9.00		35	27	32	72	12	23	29.10	29.86	07																			
09	FEW	NC						10.00		43	28	37	56	16	27	29.14	29.89	08																			
12	SCT	NC						10.00		46	25	38	44	20	28	29.19	29.94	09																			
15	BKN	150						10.00		50	20	38	31	12	26	29.21	29.96	10																			
18	SCT	NC						10.00		49	15	37	26	16	25	29.22	29.98	11																			
21	CLR	NC						10.00		44	14	34	30	13	28	29.28	30.03	12																			
24	FEW	NC						10.00		41	18	33	39	10	28	29.29	30.04	13																			





MARCH 2002

MILWAUKEE, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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