



JANUARY 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	27	11	19	-3	5	15	46	0		T		0.0	0.00	29.55	30.35	5.7	31	6.5	17	30	14	30	01	
02	30	15	23	1	12	19	42	0		0		0.0	0.00	29.61	30.40	6.4	29	7.0	14	30	14	30	02	
03	26	12	19	-2	10	17	46	0		0		0.0	0.00	29.46	30.24	8.0	27	9.0	18	30	16	30	03	
04	33	19	26	5	17	24	39	0		0		0.0	0.00	29.19	29.96	13.9	24	14.1	31	25	24	25	04	
05	36	28	32	11	26	30	33	0		0		0.0	0.00	29.12	29.89	7.5	25	8.0	16	25	14	25	05	
06	34	19	27	6	19	26	38	0	HZ	0		0.0	0.00	29.18	29.94	10.5	34	11.0	22	36	17	35	06	
07	27	17	22	1	11	19	43	0	SN	0		T	T	29.29	30.07	7.9	27	10.5	25	25	20	24	07	
08	43	21	32	11	21	29	33	0		0		0.0	0.00	28.94	29.71	13.6	23	13.7	28	26	21	25	08	
09	54	40	47	26	33	41	18	0		0		0.0	0.00	28.84	29.58	14.0	27	14.5	31	30	24	29	09	
10	44	33	39	18	30	35	26	0	DZ	0		0.0	T	29.12	29.88	8.7	29	8.9	25	29	20	29	10	
11	43	31	37	17	26	33	28	0		0		0.0	0.00	29.20	29.96	11.3	26	12.9	25	26	22	30	11	
12	36	30	33	13	24	30	32	0	SN BR	0		T	T	28.96	29.71	10.3	29	11.8	32	30	25	31	12	
13	39	25	32	12	25	30	33	0		0		0.0	0.00	29.00	29.76	4.5	16	8.1	22	14	18	15	13	
14	41	33	37	17	33	35	28	0	RA SN BR	T		0.7	0.16	28.88	29.63	2.3	18	7.1	17	15	14	14	14	
15	34	28	31	11	25	29	34	0	SN BR	1		1.2	0.12	29.28	30.04	7.4	29	8.6	20	29	15	29	15	
16	30	24	27	7	22	25	38	0	SN	T		3.3	0.27	29.28	30.06	5.4	28	7.5	26	30	21	30	16	
17	25	13	19	-1	13	17	46	0	SN	3		T	T	29.33	30.11	8.6	27	9.3	24	29	20	29	17	
18	18	7	13*	-7	3	10	52	0		3		0.0	0.00	29.44	30.23	7.7	28	8.3	21	29	17	30	18	
19	27	7*	17	-3	11	17	48	0		2		0.0	0.00	29.19	29.97	9.4	22	9.6	24	24	18	23	19	
20	32	20	26	6	21	25	39	0	BR HZ	2		0.0	0.00	29.09	29.86	10.2	22	10.7	23	21	20	23	20	
21	35	25	30	10	24	28	35	0	BR HZ	2		0.0	0.00	29.04	29.80	8.7	24	10.5	32	28	22	30	21	
22	50	28	39	19	25	34	26	0		2		0.0	0.00	29.14	29.90	13.5	21	14.1	26	22	23	22	22	
23	44	34	39	18	32	35	26	0	BR	T		0.0	0.00	29.06	29.82	2.4	34	9.5	24	01	20	01	23	
24	38	32	35	14	23	30	30	0		T		0.0	0.00	29.21	29.97	6.3	28	10.0	24	24	18	24	24	
25	50	28	39	18	21	32	26	0		0		0.0	0.00	29.19	29.96	16.1	23	16.3	41*	23	32*	24	25	
26	50	34	42	21	25	35	23	0		0		0.0	0.00	29.17	29.93	11.5	23	11.8	22	23	18	23	26	
27	55*	39	47*	26	30	40	18	0		0		0.0	0.00	29.11	29.86	15.0	23	15.2	30	24	23	23	27	
28	43	30	37	16	32	35	28	0	BR	0		0.0	0.00	29.16	29.92	9.7	02	11.4	25	01	21	01	28	
29	30	27	29	8	25	27	36	0		0		0.0	0.00	29.27	30.04	11.1	36	11.4	29	36	22	01	29	
30	31	26	29	8	24	27	36	0	SN BR	0		1.2	0.12	29.49	30.27	8.6	03	9.9	21	02	17	09	30	
31	33	29	31	10	30	31	34	0	RA DZ FZDZ SN BR	6		6.7	0.77	29.24	30.01	15.8	07	16.4	30	06	24	06	31	
36.7 24.7 30.7 ■■										< MONTHLY AVERAGES		TOTALS->		13.1	1.44	29.19	29.96	5.6	26	10.8	<- MONTHLY AVERAGES			
8.7 11.3 10.0 ■■										<-----DEPARTURE FROM NORMAL----->				-.41		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.77 DATE :31					SEA LEVEL PRESSURE DATE TIME										
MONTHLY									GREATEST 24-HR SNOWFALL: 6.7 DATE :31					MAXIMUM										
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 6 DATE : 31					MINIMUM										
HEATING: 1060 -369 3156 -971									NUMBER OF DAYS WITH →			MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32 :25			PRECIPITATION ≥ 0.01 INCH : 5						
COOLING: 0 0 0 0									MAXIMUM TEMP ≤ 32 :11			MINIMUM TEMP ≤ 0 : 0			PRECIPITATION ≥ 0.10 INCH : 5									
									THUNDERSTORMS : 0			HEAVY FOG : 0			SNOWFALL ≥ 1.0 INCH : 4									

JANUARY 2002
MILWAUKEE, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MILWAUKEE, WI

JANUARY 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			0.00	
02													02												02			0.00	
03													03												03			0.00	
04													04												04			0.00	
05													05												05			0.00	
06													06												06			0.00	
07								T		T		T	07												07		T	0.00	
08								T		T		T	08												08			0.00	
09													09												09			0.00	
10													10												10	T	T	0.00	
11													11												11			0.00	
12												T	12												12		T	0.00	
13													13												13			0.00	
14	0.01	T	0.01	0.01	0.02	0.05	T		T				14	T	0.03	T	0.02	0.01	T	T			0.01	T	T	14	0.14	0.05	0.16
15													15												15			0.12	
16													16	0.04	0.06	0.03	0.02	0.01	0.01	T		T		16	0.22		0.27		
17													17												17		T	0.00	
18													18												18			0.00	
19													19												19			0.00	
20													20												20			0.00	
21													21												21			0.00	
22													22												22			0.00	
23													23												23			0.00	
24													24												24			0.00	
25													25												25			0.00	
26													26												26			0.00	
27													27												27			0.00	
28													28												28			0.00	
29													29												29			0.00	
30													30												30	0.06		0.12	
31	0.01	0.01	0.01	0.02	0.02	0.01	T	0.01	T			0.01	31	T	T	T	T	T	T	T	0.01	T	0.01	0.02	0.03	0.02	0.20	0.77	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

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
JANUARY 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.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR—SS		MN—MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							7.00	10.00	
06							6.00	10.00	
07							9.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							8.00	10.00	
11							10.00	10.00	
12							1.75	10.00	
13							10.00	10.00	
14							2.00	10.00	
15							1.00	10.00	
16							.25	10.00	
17							7.00	10.00	
18							9.00	10.00	
19							7.00	10.00	
20							3.00	10.00	
21							5.00	10.00	
22							10.00	10.00	
23							3.00	10.00	
24							9.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							4.00	10.00	
29							9.00	10.00	
30							.50	10.00	
31							.50	10.00	
MONTHLY AVGS							6.88	10.00	
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p> Percent Possible:</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> <p align="center">1 8 20</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

JANUARY 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 Oktas		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 Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
SUNRISE: 0723			JAN 01			SUNSET: 1628			SUNRISE: 0722			JAN 07			SUNSET: 1634			SUNRISE: 0722			JAN 08			SUNSET: 1635			SUNRISE: 0722			JAN 09			SUNSET: 1636			SUNRISE: 0722			JAN 10			SUNSET: 1637			SUNRISE: 0721			JAN 11			SUNSET: 1638			SUNRISE: 0721			JAN 12			SUNSET: 1639																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
03	FEW	NC			10.00	12	0	10	58	9	31	29.44	30.23	03	BKN	034			10.00	17	8	15	68	8	30	29.35	30.13	03	FEW	NC			10.00	22	15	20	75	9	24	29.10	29.87	03	FEW	NC			10.00	41	31	37	67	10	25	28.76	29.50	03	FEW	NC			10.00	37	30	34	76	3	29	29.06	29.81	03	OVC	025			10.00	35	25	31	67	21	32	29.24	30.00	03	BKN	150			10.00	34	27	31	76	7	24	29.05	29.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																
06	OVC	085			10.00	13	2	11	61	7	31	29.46	30.25	06	OVC	034			10.00	20	11	17	68	7	32	29.33	30.11	06	CLR	NC			10.00	24	15	21	68	10	25	29.03	29.81	06	SCT	NC			10.00	41	32	37	70	15	25	28.74	29.48	06	BKN	025			10.00	36	31	34	82	6	26	29.08	29.84	06	SCT	NC			10.00	33	22	29	64	13	29	29.25	30.01	06	SCT	NC			10.00	34	26	31	73	10	25	28.97	29.73																																																																																																																																																																																																																																																																																																																																																																																																																																																																
09	OVC	090			10.00	14	3	12	61	9	29	29.54	30.34	09	OVC	024			10.00	20	11	17	68	12	31	29.37	30.16	09	FEW	NC			10.00	26	16	23	66	15	23	29.00	29.77	09	BKN	250			10.00	49	34	42	57	15	28	28.77	29.52	09	BKN	200			10.00	36	31	34	82	6	27	29.13	29.88	09	BKN	100			10.00	33	24	30	70	14	28	29.27	30.03	09	BKN	050			10.00	35	27	32	72	9	28	28.92	29.68																																																																																																																																																																																																																																																																																																																																																																																																																																																																
12	BKN	090			10.00	20	6	16	55	3	31	29.55	30.35	12	SCT	NC			10.00	24	12	21	60	5	VR	29.34	30.12	12	CLR	NC			10.00	37	20	31	50	15	22	28.93	29.69	12	SCT	NC			10.00	52	34	44	50	16	28	28.83	29.57	12	OVC	017			10.00	40	23	34	51	10	27	29.25	30.01	12	OVC	049			10.00	43	27	37	53	16	24	29.19	29.95																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
15	BKN	210			10.00	26	7	21	44	5	03	29.58	30.37	15	FEW	NC			10.00	26	10	21	51	9	24	29.28	30.06	15	CLR	NC			10.00	40	22	33	49	16	24	28.88	29.64	15	BKN	250			10.00	54	35	45	49	14	27	28.84	29.58	15	BKN	048			10.00	42	29	37	60	13	29	29.12	29.87	15	OVC	038			10.00	38	30	35	73	12	28	29.16	29.91																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
18	BKN	090			10.00	22	9	18	57	6	31	29.63	30.42	18	CLR	NC			10.00	22	11	19	63	8	23	29.26	30.04	18	CLR	NC			10.00	42	30	37	62	8	30	29.11	29.86	18	OVC	028			9.00	37	31	35	79	12	28	29.18	29.94	18	CLR	NC			10.00	38	27	34	65	12	22	29.16	29.93	18	BKN	050			10.00	35	21	30	57	13	32	28.94	29.70																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
21	BKN	044			10.00	20	9	17	62	7	31	29.66	30.45	21	BKN	080			10.00	24	12	21	60	16	24	29.19	29.96	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70	21	CLR	NC			10.00	46	32	40	58	15	27	28.95	29.70

OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

JANUARY 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 Oktas		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 Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0721		JAN 13	SUNSET: 1640										SUNRISE: 0718		JAN 19	SUNSET: 1647										
03	CLR	NC			10.00	29	20	26	69	7	26	28.97	29.73	03	CLR	NC				8	1	7	73	5	20	29.31	30.10		
06	CLR	NC			10.00	26	21	24	81	6	28	28.98	29.75	06	SCT	NC				9	2	8	73	0	00	29.27	30.05		
09	BKN	130			10.00	28	22	26	78	5	29	29.04	29.80	09	BKN	110				12	4	10	70	3	21	29.25	30.03		
12	BKN	150			10.00	32	24	29	73	0	00	29.03	29.80	12	BKN	250				22	11	19	63	13	22	29.17	29.95		
15	OVC	130			10.00	35	27	32	72	9	11	29.00	29.76	15	OVC	032				27	17	24	66	14	23	29.10	29.88		
18	OVC	130			10.00	36	30	34	79	12	13	28.99	29.75	18	OVC	020				27	21	25	78	10	24	29.11	29.88		
21	OVC	048			10.00	38	27	34	65	13	15	28.98	29.74	21	FEW	NC				25	22	24	88	13	22	29.11	29.88		
24	OVC	034			10.00	37	28	34	70	12	16	28.95	29.71	24	CLR	NC				25	22	24	88	15	22	29.12	29.89		
			SUNRISE: 0720		JAN 14	SUNSET: 1641										SUNRISE: 0717		JAN 20	SUNSET: 1649										
03	OVC	033			7.00	35	32	34	89	12	13	28.89	29.65	03	CLR	NC				24	21	23	88	9	23	29.16	29.93		
06	OVC	023			5.00	33	32	33	96	8	13	28.85	29.61	06	CLR	NC				23	19	22	85	8	23	29.16	29.93		
09	OVC	095			7.00	37	34	36	89	7	15	28.83	29.59	09	OVC	200				23	21	22	92	13	23	29.17	29.94		
12	OVC	047			8.00	40	34	37	79	5	17	28.82	29.56	12	OVC	180				27	22	25	81	12	22	29.14	29.91		
15	OVC	014			4.00	38	35	37	89	9	31	28.82	29.57	15	BKN	250				31	21	27	67	20	22	29.07	29.84		
18	OVC	005			4.00	35	33	34	93	8	26	28.89	29.65	18	SCT	NC				28	20	25	72	6	18	29.04	29.81		
21	OVC	005			3.00	34	33	34	97	9	29	28.94	29.70	21	BKN	016				29	24	27	82	12	20	28.99	29.76		
24	OVC	013			5.00	34	33	34	97	7	28	29.00	29.76	24	OVC	020				30	24	28	79	17	22	28.94	29.71		
			SUNRISE: 0720		JAN 15	SUNSET: 1643										SUNRISE: 0716		JAN 21	SUNSET: 1650										
03	OVC	012			1.25	32	31	32	96	3	30	29.07	29.83	03	OVC	032				29	25	28	85	8	20	28.88	29.65		
06	OVC	009			8.00	30	27	29	88	10	29	29.13	29.89	06	OVC	015				30	25	28	82	10	22	28.86	29.62		
09	OVC	011			4.00	29	27	28	92	8	30	29.24	30.00	09	OVC	016				31	27	29	85	12	24	28.92	29.68		
12	BKN	016			10.00	31	25	29	79	12	31	29.30	30.06	12	BKN	020				31	23	28	72	20	28	29.03	29.80		
15	OVC	026			10.00	32	23	29	69	8	27	29.36	30.13	15	CLR	NC				34	21	29	59	13	28	29.10	29.86		
18	OVC	033			10.00	30	23	28	75	6	24	29.40	30.17	18	CLR	NC				31	22	28	69	10	23	29.19	29.96		
21	OVC	024			10.00	30	24	28	79	8	25	29.40	30.18	21	SCT	NC				27	22	25	81	5	16	29.22	29.98		
24	OVC	034			10.00	28	21	26	75	10	29	29.43	30.21	24	CLR	NC				28	24	27	85	15	22	29.20	29.97		
			SUNRISE: 0719		JAN 16	SUNSET: 1644										SUNRISE: 0715		JAN 22	SUNSET: 1651										
03	OVC	026			10.00	27	19	24	72	7	26	29.45	30.22	03	CLR	NC				30	23	28	75	10	23	29.24	30.00		
06	BKN	090			10.00	26	18	23	71	7	24	29.40	30.18	06	CLR	NC				30	23	28	75	13	22	29.24	30.00		
09	OVC	045			2.50	25	22	24	88	6	21	29.37	30.15	09	FEW	NC				35	23	31	61	16	22	29.25	30.02		
12	OVC	007			0.50	27	25	26	92	6	19	29.29	30.06	12	BKN	250				44	25	37	47	14	21	29.20	29.96		
15	OVC	005			0.50	29	27	28	92	0	00	29.17	29.94	15	BKN	240				48	26	39	42	13	19	29.10	29.86		
18	OVC	005			1.25	28	27	28	96	7	33	29.13	29.89	18	BKN	240				46	25	38	44	15	18	29.01	29.76		
21	OVC	014			7.00	26	20	24	78	12	29	29.17	29.94	21	BKN	080				44	26	37	49	13	20	29.00	29.75		
24	OVC	019			7.00	25	18	23	75	17	29	29.22	29.99	24	CLR	NC				41	29	36	62	15	22	28.98	29.73		
			SUNRISE: 0719		JAN 17	SUNSET: 1645										SUNRISE: 0715		JAN 23	SUNSET: 1653										
03	OVC	019			7.00	20	14	18	78	12	30	29.27	30.04	03	CLR	NC				37	30	34	76	10	21	28.96	29.71		
06	CLR	NC			10.00	16	11	15	80	6	27	29.31	30.09	06	CLR	NC				37	34	36	89	9	22	28.97	29.72		
09	SCT	NC			8.00	15	11	14	84	8	26	29.35	30.13	09	BKN	029				40	38	39	93	6	28	29.02	29.78		
12	FEW	NC			10.00	23	14	20	68	9	27	29.35	30.14	12	BKN	049				42	34	39	73	6	32	29.03	29.78		
15	CLR	NC			10.00	24	11	20	57	12	26	29.32	30.11	15	SCT	NC				37	32	35	82	15	02	29.08	29.84		
18	CLR	NC			8.00	19	15	18	85	8	24	29.34	30.13	18	OVC	022				36	31	34	82	13	01	29.17	29.93		
21	CLR	NC			8.00	18	14	17	84	8	25	29.34	30.13	21	OVC	016				35	30	33	82	7	36	29.17	29.93		
24	CLR	NC			10.00	18	11	16	74	6	28	29.36	30.14	24	OVC	017				34	28	32	79	12	02	29.16	29.92		
			SUNRISE: 0718		JAN 18	SUNSET: 1646										SUNRISE: 0714		JAN 24	SUNSET: 1654										
03	CLR	NC			10.00	14	10	13	84	7	28	29.39	30.17	03	OVC	029				33	26	30	75	9	36	29.17	29.93		
06	CLR	NC			10.00	12	7	11	80	9	29	29.40	30.20	06	OVC	032				32	22	28	66	3	35	29.18	29.95		
09	CLR	NC			10.00	11	4	9	73	17	31	29.46	30.26	09	BKN	034				32	25	29	75	8	30	29.24	30.00		
12	CLR	NC			10.00	14	1	11	56	13	29	29.49	30.28	12	CLR	NC				35	21	30	57	8	29	29.23	29.99		
15	CLR	NC			10.00	16	-1	12	47	9	29	29.47	30.26	15	CLR	NC				37	20	31	50	9	27	29.20	29.96		
18	CLR	NC			10.00	12	-1	9	56	6	27	29.45	30.25	18	CLR	NC				33	24	30	70	9	23	29.21	29.98		
21	CLR	NC			10.00	9	1	7	70	9	25	29.43	30.23	21	CLR	NC				32	23	29	69	14	23	29.21	29.97		
24	CLR	NC			10.00	8	1	7	73	9	24	29.37	30.17	24	CLR	NC				32	21	28	64	13	24	29.22	29.98		

OBSERVATIONS AT 3-HOURLY INTERVALS

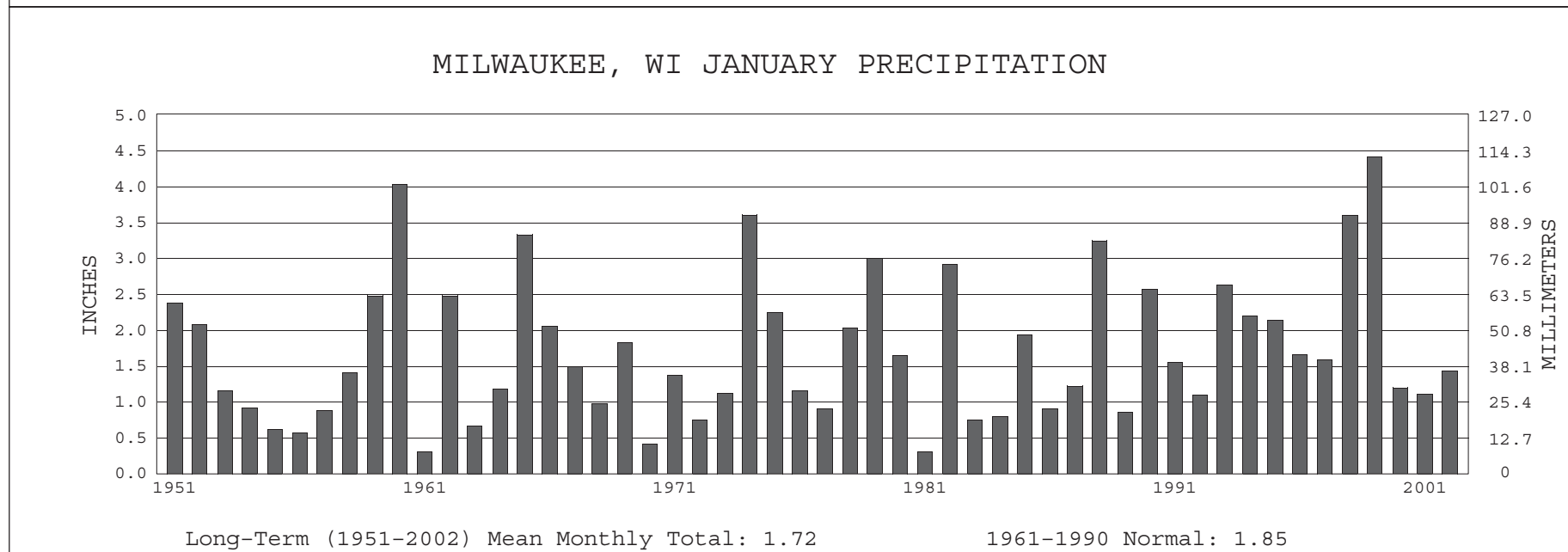
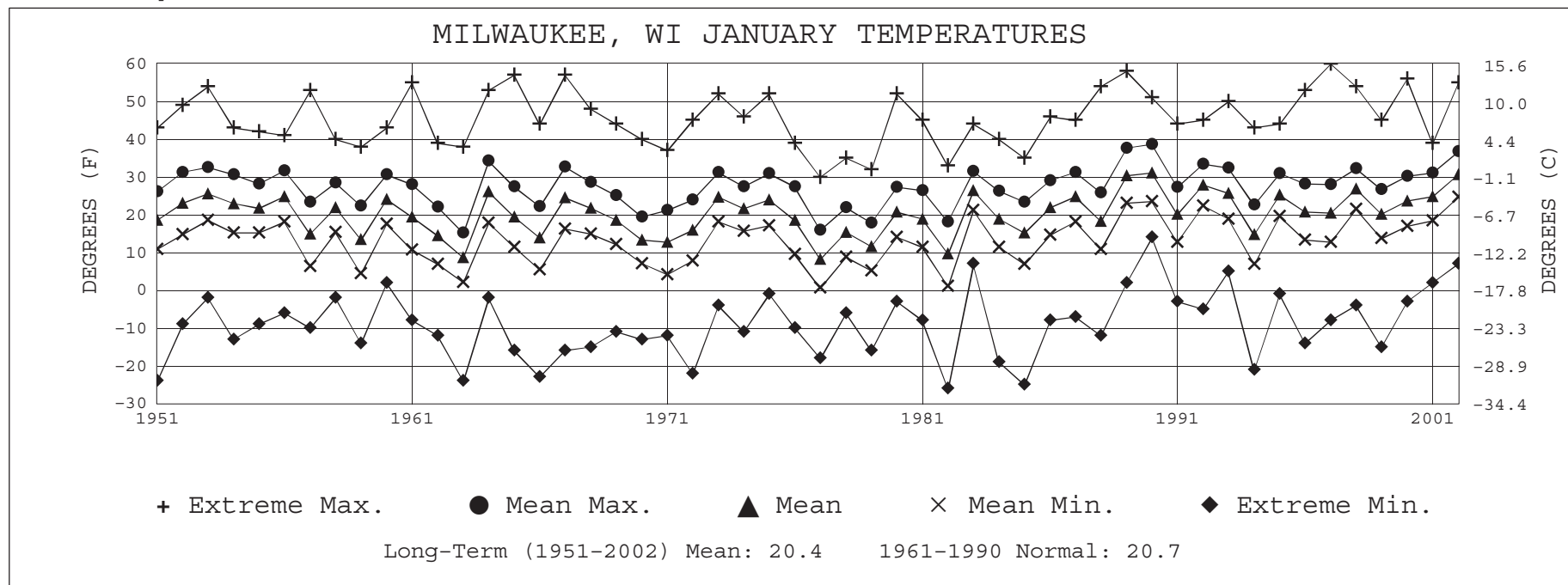
MILWAUKEE, WI

JANUARY 2002

MKE

WBAN # 14839

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)			
				OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION					SEA LEVEL	OBSERVATION TIME (LST)		EFF CLD AMT Okta	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0713 JAN 25 SUNSET: 1655																															
03	CLR	NC			10.00		30	20	27	66	8	23	29.23	29.99	03	OVC	004			0.75	-SN	BR	30	29	30	96	17	08	29.43	30.20	
06	CLR	NC			10.00		29	19	26	66	13	24	29.25	30.02	06	OVC	010			1.00	-SN		29	28	29	96	21	06	29.34	30.11	
09	FEW	NC			10.00		32	20	28	61	15	22	29.26	30.02	09	OVC	011			1.50	BR		30	29	30	96	21	06	29.31	30.09	
12	BKN	140			10.00		45	20	36	37	22	24	29.19	29.95	12	OVC	009			1.00	-FZDZ		31	30	31	96	16	04	29.31	30.08	
15	BKN	230			10.00		50	22	39	33	21	23	29.14	29.90	15	OVC	005			1.75	-FZDZ	BR	32	31	32	96	14	06	29.22	29.99	
18	FEW	NC			10.00		44	23	36	43	17	22	29.14	29.90	18	OVC	008			6.00	-RA	BR	33	31	32	92	15	07	29.15	29.91	
21	CLR	NC			10.00		42	22	34	45	20	23	29.16	29.91	21	OVC	006			2.00	-RA	BR	33	31	32	92	16	10	29.02	29.79	
24	CLR	NC			10.00		40	22	33	49	17	23	29.18	29.93	24	OVC	005			4.00	-DZ	BR	32	31	32	96	13	06	28.92	29.69	
SUNRISE: 0712 JAN 26 SUNSET: 1656																															
03	CLR	NC			10.00		37	23	32	57	14	23	29.19	29.94	3-HOURLY OBSERVATION NOTES																
06	FEW	NC			10.00		35	23	31	61	9	23	29.20	29.96	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,																
09	SCT	NC			10.00		38	22	32	53	15	24	29.21	29.97	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.																
12	FEW	NC			10.00		46	23	37	40	14	22	29.17	29.92	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																
15	SCT	NC			10.00		49	26	39	41	16	22	29.15	29.90	NC= No ceiling detected.																
18	BKN	250			10.00		44	29	38	55	6	18	29.16	29.92	& = Original observation contained additional weather elements.																
21	SCT	NC			10.00		41	28	36	60	10	22	29.16	29.92	See page 3 for additional notes.																
24	SCT	NC			10.00		43	29	37	58	15	24	29.15	29.90																	
SUNRISE: 0711 JAN 27 SUNSET: 1658																															
03	BKN	250			10.00		41	28	36	60	10	22	29.14	29.89	SUMMARY BY HOUR																
06	SCT	NC			10.00		40	27	35	60	17	22	29.13	29.88																	
09	OVC	240			10.00		41	28	36	60	18	23	29.15	29.90	HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)		SPEED	DIRECTION		
12	OVC	240			10.00		50	29	41	44	20	24	29.11	29.86		CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)						
15	OVC	230			10.00		55	34	45	45	14	21	29.07	29.82	01			29	21	26	74	29.19	29.96	9.23	11	6	26				
18	BKN	230			10.00		50	32	42	50	12	20	29.06	29.81	02			29	21	26	74	29.20	29.96	9.13	10	6	27				
21	BKN	200			10.00		50	33	42	52	15	23	29.10	29.85	03			28	21	26	75	29.20	29.97	9.06	9	5	27				
24	BKN	200			10.00		44	33	39	65	7	21	29.12	29.87	04			27	20	25	75	29.20	29.96	9.03	9	5	26				
SUNRISE: 0710 JAN 28 SUNSET: 1659																															
03	OVC	160			10.00		39	32	36	76	0	00	29.13	29.88	05			27	20	25	76	29.19	29.96	9.19	9	5	26				
06	OVC	160			10.00		36	32	34	86	6	34	29.14	29.89	06			27	20	25	77	29.19	29.96	9.23	9	6	26				
09	OVC	011			6.00	BR	38	35	37	89	10	02	29.19	29.94	07			27	20	25	77	29.20	29.97	8.87	10	6	26				
12	OVC	012			10.00		38	33	36	83	13	03	29.17	29.93	08			27	21	25	76	29.21	29.98	8.40	10	6	26				
15	OVC	010			10.00		36	33	35	89	13	03	29.12	29.88	09			29	21	26	75	29.22	29.99	8.35	11	7	27				
18	OVC	013			10.00		35	32	34	89	13	02	29.16	29.93	10			31	22	28	72	29.23	29.99	8.97	11	6	28				
21	OVC	009			10.00		32	28	31	85	12	01	29.16	29.92	11			32	22	28	68	29.22	29.98	8.92	12	6	28				
24	OVC	009			10.00		30	25	28	82	15	01	29.20	29.96	12			33	22	29	65	29.20	29.97	9.02	11	7	27				
SUNRISE: 0709 JAN 29 SUNSET: 1700																															
03	OVC	007			10.00		28	25	27	88	12	36	29.24	30.01	13			34	22	30	62	29.18	29.95	8.95	11	7	27				
06	OVC	009			10.00		27	24	26	89	10	35	29.26	30.03	14			35	21	30	58	29.17	29.94	9.06	12	6	27				
09	OVC	011			10.00		29	24	27	82	10	01	29.27	30.03	15			35	22	30	61	29.18	29.94	9.14	12	6	27				
12	OVC	011			10.00		30	25	28	82	8	33	29.29	30.06	16			35	23	30	64	29.18	29.95	9.09	12	5	26				
15	OVC	011			10.00		28	24	27	85	14	01	29.25	30.01	17			33	23	30	67	29.19	29.95	9.19	10	4	25				
18	OVC	008			10.00		28	24	27	85	12	36	29.27	30.04	18			33	23	29	70	29.19	29.96	8.90	10	4	25				
21	OVC	008			10.00		28	25	27	88	10	34	29.31	30.09	19			32	23	29	70	29.19	29.96	9.23	11	5	25				
24	OVC	010			9.00		27	24	26	89	9	35	29.34	30.12	20			32	23	28	71	29.19	29.96	9.26	11	5	25				
SUNRISE: 0708 JAN 30 SUNSET: 1702																															
03	OVC	011			10.00		27	22	25	81	7	01	29.38	30.16	21			31	23	28	72	29.19	29.96	8.81	11	6	25				
06	OVC	025			10.00		27	22	25	81	7	33	29.44	30.22	22			31	22	28	72	29.18	29.95	8.90	12	6	25				
09	OVC	012			10.00		28	23	26	81	9	01	29.49	30.27	23			31	22	28	73	29.18	29.95	9.00	11	7	26				
12	OVC	012			10.00		29	24	27	82	12	02	29.53	30.31	24			30	22	27	74	29.18	29.95	9.03	11	6	26				
15	OVC	017			10.00		30	24	28	79	14	02	29.53	30.31	25			30	22	27	74	29.18	29.95	9.03	11	6	26				
18	OVC	013			0.50	SN	30	28	29	92	10	04	29.54	30.32	26																
21	OVC	019			3.00	-SN	31	25	29	79	12	05	29.53	30.31	27																
24	OVC	006			1.00	-SN	30	29	30	96	14	08	29.48	30.26	28																





JANUARY 2002

MILWAUKEE, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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