



APRIL 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	37	31	34	-6	24	30	31	0	SN BR	0		2.6	0.26	29.23	30.00	3.5	10	8.9	20	09	17	09	01		
02	36	30	33	-8	32	34	32	0	RA SN BR	1		T	0.14	29.10	29.86	8.1	02	10.9	23	01	18	36	02		
03	38	29	34	-7	24	30	31	0	SN	0		0.2	0.01	29.51	30.28	8.9	30	9.2	17	30	15	30	03		
04	36	27	32	-9	20	27	33	0	SN	0		T	T	29.67	30.45	3.7	35	7.1	18	03	15	03	04		
05	40	26	33	-9	17	27	32	0		0		0.0	0.00	29.63	30.40	4.8	32	7.3	20	33	16	32	05		
06	38	25*	32*	-10	23	30	33	0		0		0.0	0.00	29.60	30.38	6.2	14	10.5	25	14	22	15	06		
07	43	34	39	-3	33	37	26	0	RA BR	0		0.0	0.59	29.24	30.00	10.8	19	11.0	24	19	18	19	07		
08	48	42	45	2	45	45	20	0	RA DZ FG BR	0		0.0	1.19	29.09	29.84	1.4	03	8.5	24	02	20	01	08		
09	44	35	40	-3	35	38	25	0	RA	0		0.0	0.09	29.46	30.23	2.3	05	8.7	21	36	18	35	09		
10	57	35	46	3	37	43	19	0	BR HZ	0		0.0	0.00	29.57	30.34	11.2	17	12.1	24	17	21	17	10		
11	72	45	59	15	42	51	6	0		0		0.0	0.00	29.31	30.05	12.5	19	13.1	29	19	23	20	11		
12	64	42	53	9	47	49	12	0	RA	0		0.0	T	29.31	30.06	2.2	30	6.9	17	33	15	32	12		
13	53	40	47	3	41	44	18	0	BR	0		0.0	0.00	29.38	30.13	3.2	05	6.4	18	02	15	03	13		
14	70	42	56	11	48	52	9	0	TS RA FG+ BCFG BR HZ	0		0.0	0.15	29.03	29.78	7.6	18	9.2	22	34	20	14	14		
15	88	58	73	28	56	63	0	8		0		0.0	0.00	29.01	29.74	11.2	22	11.5	35	21	25	23	15		
16	86	67	77*	32	60	66	0	12		0		0.0	0.00	29.09	29.81	18.2	21	18.3	36	20	30	20	16		
17	82	62	72	26	52	61	0	7	RA	0		0.0	T	29.22	29.95	8.1	23	10.1	26	23	21	24	17		
18	88*	48	68	22	55	60	0	3	TSRA RA BCFG BR HZ	0		0.0	0.38	29.10	29.83	8.5	20	12.4	45*	24	35*	25	18		
19	66	40	53	7	43	47	12	0	RA	0		0.0	T	29.29	30.04	10.9	01	14.2	28	02	22	02	19		
20	44	37	41	-6	29	35	24	0	RA	0		0.0	T	29.43	30.19	18.3	03	18.4	32	02	26	01	20		
21	39	33	36	-11	32	35	29	0	RA DZ SN BR	0		0.6	0.30	29.23	29.99	15.6	07	16.7	35	10	29	11	21		
22	40	33	37	-10	31	34	28	0	DZ SN BR	0		0.2	0.02	29.34	30.10	4.1	01	7.2	17	24	14	05	22		
23	47	26	37	-11	33	37	28	0	BR	0		0.0	0.00	29.40	30.16	7.5	14	8.1	22	14	18	14	23		
24	70	42	56	8	42	48	9	0	RA BR	0		0.0	0.04	29.11	29.86	9.0	23	16.7	39	31	32	30	24		
25	53	37	45	-3	22	36	20	0		0		0.0	0.00	29.32	30.08	14.4	28	15.3	38	28	29	27	25		
26	45	34	40	-9	26	34	25	0		0		0.0	0.00	29.54	30.31	1.3	09	9.1	22	32	15	32	26		
27	43	37	40	-9	35	39	25	0	RA DZ BR	0		0.0	0.36	29.25	30.01	15.9	11	16.2	37	11	30	11	27		
28	45	39	42	-8	38	40	23	0	TS TSRA RA DZ FG+ BR	0		0.0	0.06	28.95	29.70	8.1	35	10.4	31	34	24	36	28		
29	60	38	49	-1	35	43	16	0		0		0.0	0.00	29.16	29.91	8.4	25	9.8	25	25	20	25	29		
30	58	44	51	1	28	41	14	0	RA	0		0.0	T	29.12	29.87	5.0	27	8.9	25	32	20	33	30		
54.3 38.6 46.5 ■■										< MONTHLY AVERAGES TOTALS->			3.6	3.59	29.29	30.05	1.2	20	11.1	<- MONTHLY AVERAGES					
0.4 2.2 1.3 ■■										<-----DEPARTURE FROM NORMAL----->				-1.9		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.27 DATE :08-09				SEA LEVEL PRESSURE DATE TIME												
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 2.6 DATE :01				MAXIMUM : 30.54 04 0952												
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 1 DATE :02				MINIMUM : 29.34 28 0352												
HEATING: 580 -38 5694 -1210									NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				PRECIPITATION ≥ 0.01 INCH : 13								
COOLING: 30 25 30 25													MAXIMUM TEMP ≤ 32 : 0				PRECIPITATION ≥ 0.10 INCH : 8								
													THUNDERSTORMS : 3				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH : 1				

APRIL 2002
MILWAUKEE, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MILWAUKEE, WI

APRIL 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			T	0.03	0.04	0.04	0.02	0.04	0.03	T	T		01	T	0.20	0.26
02					0.01	0.02	0.08	0.02	0.01				02			T		T	T	T	T					02			0.14
03													03			T		T	T	T						03			0.01
04			T					T	T	T	T	T	04		T	T	T	T	T							04			T
05													05													05			0.00
06													06													06			0.00
07						0.01	0.06	0.10	0.08	0.02	0.01	0.02	07	0.01	T	0.01	0.01	T	0.06	0.02	0.05	0.03	0.02	0.04	0.04	07			0.59
08	0.01	T				T	T				0.05	0.11	08	0.13	0.12	0.10	0.11	0.06	0.04	0.05	0.02	0.09	0.09	0.09	0.12	08			1.19
09	0.03	0.06	T										09													09			0.09
10													10													10			0.00
11													11													11			0.00
12					T	T	T						12													12			T
13													13													13			0.00
14													14						0.01			0.14	T			14			0.15
15													15													15			0.00
16													16													16			0.00
17				T	T								17			T										17			T
18													18					0.06	0.18	T	0.01	T	T	0.13	T	18			0.38
19													19										T	T		19			T
20		T											20													20			T
21			T		0.02	T	0.02	T	0.01	T	T		21	0.01		0.02	0.10	0.02	0.03	0.01	T	0.03	0.02	0.01	T	21	0.03		0.30
22	T	T	0.01	0.01		T	T						22	T												22			0.02
23													23		T											23			0.00
24													24			T	T	0.03	T	T						24			0.04
25													25													25			0.00
26													26													26			0.00
27												T	27	0.01	0.08	0.09	0.07	0.02	0.01	0.01	0.02	0.02	0.01	0.02	T	27			0.36
28	T					0.03	0.01	T		T			28													28			0.06
29			0.02	T	T								29													29			0.00
30	T	T											30													30			T

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
APRIL 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							.50	10.00	
02							1.00	10.00	
03							4.00	10.00	
04							9.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							1.25	10.00	
08							.13	6.00	
09							7.00	10.00	
10							2.00	10.00	
11							10.00	10.00	
12							7.00	10.00	
13							4.00	10.00	
14							.25	10.00	
15							7.00	10.00	
16							9.00	10.00	
17							10.00	10.00	
18							.50	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							1.75	10.00	
22							1.75	10.00	
23							4.00	10.00	
24							5.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							.00	10.00	
28							.13	10.00	
29							8.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							5.61	9.87	
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p align="center">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">30</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">3 11 16</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

APRIL 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>Okta</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>Okta</small>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0534	APR 01			SUNSET: 1817										SUNRISE: 0523	APR 07									
03	OVC	040			10.00		33	21	29	61	9	29	29.25	30.01	03	OVC	110			10.00		38	20	31	48	14	18	29.31	30.06
06	BKN	036			10.00		32	18	27	56	10	29	29.28	30.04	06	OVC	075			10.00	-RA	37	26	33	65	9	18	29.31	30.08
09	BKN	250			10.00		33	18	28	54	3	VR	29.31	30.07	09	OVC	039			4.00	-RA	36	29	33	76	14	19	29.28	30.05
12	OVC	150			10.00		35	21	30	57	10	11	29.28	30.04	12	OVC	011			5.00	-RA	39	32	36	76	14	19	29.24	30.00
15	OVC	006			0.50	-SN	32	29	31	88	10	15	29.21	29.98	15	OVC	010			4.00	-RA BR	40	38	39	93	14	19	29.18	29.94
18	OVC	005			0.75	-SN	31	30	31	96	7	12	29.22	29.99	18	OVC	035			3.00	-RA BR	42	40	41	92	10	20	29.17	29.93
21	OVC	004			3.00	-SN BR	32	32	32	100	12	08	29.19	29.95	21	OVC	039			3.00	-RA BR	42	41	42	96	6	18	29.18	29.93
24	OVC	005			6.00	BR	33	32	33	96	13	08	29.12	29.88	24	OVC	013			1.75	-RA BR	42	41	42	96	5	15	29.16	29.92
					SUNRISE: 0532	APR 02			SUNSET: 1818										SUNRISE: 0522	APR 08									
03	OVC	005			4.00	BR	35	34	35	96	13	07	29.05	29.81	03	OVC	008			3.00	BR	46	45	46	96	8	21	29.13	29.88
06	OVC	005			3.00	-RA BR	35	34	35	96	9	07	29.05	29.82	06	OVC	005			2.50	-DZ BR	46	45	46	96	5	17	29.14	29.89
09	OVC	003			2.50	BR	35	35	35	100	7	02	28.99	29.75	09	OVC	001			0.25	FG	47	47	47	100	7	17	29.12	29.87
12	OVC	003			2.00	BR	36	35	36	97	9	36	29.02	29.78	12	OVC	005			1.25	-RA BR	47	47	47	100	3	16	29.08	29.84
15	OVC	007			3.00	BR	36	33	35	89	8	33	29.06	29.82	15	OVC	003			1.50	-RA BR	46	46	46	100	6	10	29.01	29.76
18	OVC	024			6.00	-SN BR	35	32	34	89	9	33	29.15	29.91	18	OVC	002			0.13	-RA BR	43	42	43	97	8	02	29.03	29.78
21	BKN	017			9.00		32	27	30	82	12	35	29.26	30.02	21	OVC	003			4.00	-RA BR	43	42	43	97	15	01	29.05	29.80
24	BKN	018			10.00		31	26	29	82	15	35	29.31	30.07	24	OVC	011			6.00	-RA BR	44	42	43	93	12	35	29.11	29.86
					SUNRISE: 0530	APR 03			SUNSET: 1819										SUNRISE: 0520	APR 09									
03	BKN	065			9.00		29	26	28	89	6	29	29.36	30.14	03	OVC	009			10.00		42	40	41	92	10	34	29.19	29.94
06	SCT	NC			10.00		31	27	29	85	6	30	29.43	30.20	06	OVC	010			8.00		40	36	38	86	8	35	29.32	30.09
09	BKN	020			10.00		34	26	31	73	12	31	29.48	30.25	09	OVC	017			10.00		41	35	38	79	8	34	29.44	30.21
12	BKN	046			10.00		38	22	32	53	14	29	29.51	30.28	12	OVC	026			10.00		41	33	38	74	6	09	29.51	30.28
15	OVC	055			10.00		36	20	30	52	12	30	29.55	30.32	15	FEW	NC			10.00		43	34	39	71	8	11	29.54	30.30
18	BKN	033			10.00		34	22	30	61	12	33	29.59	30.36	18	CLR	NC			10.00		39	32	36	76	9	14	29.58	30.35
21	SCT	NC			10.00		31	22	28	69	6	31	29.63	30.40	21	CLR	NC			10.00		37	32	35	82	7	19	29.62	30.39
24	SCT	NC			10.00		29	22	27	75	6	29	29.65	30.42	24	CLR	NC			10.00		36	32	34	86	7	19	29.64	30.41
					SUNRISE: 0529	APR 04			SUNSET: 1820										SUNRISE: 0518	APR 10									
03	BKN	050			10.00		29	20	26	69	7	31	29.65	30.42	03	CLR	NC			8.00		36	33	35	89	8	21	29.65	30.42
06	BKN	048			10.00		29	22	27	75	7	34	29.68	30.46	06	FEW	NC			2.50	BR	38	36	37	93	9	20	29.66	30.43
09	OVC	036			9.00	-SN	31	18	27	59	9	02	29.71	30.49	09	SCT	NC			7.00		50	41	46	71	14	20	29.65	30.42
12	OVC	055			10.00		33	19	28	56	8	08	29.70	30.48	12	BKN	100			7.00		52	42	47	69	14	14	29.61	30.38
15	OVC	042			9.00	-SN	32	21	28	64	3	VR	29.66	30.44	15	BKN	250			10.00		55	40	48	57	16	14	29.53	30.29
18	OVC	043			10.00		32	22	28	66	5	17	29.67	30.44	18	BKN	240			10.00		55	31	44	40	15	17	29.48	30.24
21	OVC	055			10.00		32	17	27	54	7	30	29.67	30.45	21	BKN	240			10.00		52	36	45	55	9	16	29.48	30.24
24	OVC	050			10.00		31	19	27	61	6	28	29.66	30.44	24	OVC	250			10.00		51	38	45	61	10	18	29.46	30.22
					SUNRISE: 0527	APR 05			SUNSET: 1821										SUNRISE: 0517	APR 11									
03	CLR	NC			10.00		28	18	25	66	5	26	29.64	30.42	03	BKN	180			10.00		46	39	43	77	7	15	29.42	30.18
06	BKN	080			10.00		27	18	24	69	3	30	29.66	30.44	06	OVC	150			10.00		49	39	44	69	12	19	29.39	30.15
09	SCT	NC			10.00		33	14	27	45	10	30	29.65	30.42	09	BKN	180			10.00		60	42	51	52	17	19	29.38	30.13
12	OVC	200			10.00		37	17	30	44	10	30	29.62	30.39	12	BKN	200			10.00		68	41	54	38	18	20	29.31	30.06
15	BKN	050			10.00		39	17	31	41	13	29	29.59	30.36	15	BKN	150			10.00		71	45	57	39	17	18	29.24	29.98
18	BKN	050			10.00		34	21	29	59	5	10	29.60	30.38	18	BKN	140			10.00		69	44	56	41	10	19	29.20	29.94
21	FEW	NC			10.00		33	14	27	45	5	35	29.62	30.40	21	OVC	150			10.00		66	40	53	39	15	20	29.21	29.94
24	CLR	NC			10.00		30	16	26	56	5	32	29.63	30.41	24	CLR	NC			10.00		64	46	54	52	13	20	29.19	29.92
					SUNRISE: 0525	APR 06			SUNSET: 1822										SUNRISE: 0515	APR 12									
03	CLR	NC			10.00		27	18	24	69	6	31	29.65	30.43	03	SCT	NC			10.00		62	49	55	62	7	24	29.17	29.90
06	FEW	NC			10.00		25	18	23	75	6	31	29.69	30.47	06	OVC	085			10.00		58	52	55	81	9	24	29.22	29.95
09	SCT	NC			10.00		35	25	31	67	6	05	29.71																

OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

APRIL 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: 0513						APR 13		SUNSET: 1831						SUNRISE: 0504						APR 19		SUNSET: 1837							
03	CLR	NC			4.00	BR	42	41	42	96	6	31	29.40	30.16	03	CLR	NC			10.00		64	51	57	63	12	30	29.10	29.83
06	FEW	NC			5.00	BR	43	40	42	89	8	01	29.42	30.18	06	CLR	NC			10.00		56	48	52	75	14	30	29.20	29.94
09	CLR	NC			10.00		49	41	45	74	8	03	29.45	30.21	09	OVC	020			10.00		52	46	49	80	12	03	29.31	30.05
12	BKN	240			10.00		51	42	47	71	8	06	29.40	30.16	12	OVC	026			10.00		50	43	47	77	15	06	29.34	30.09
15	CLR	NC			10.00		52	44	48	75	7	07	29.36	30.12	15	BKN	033			10.00		47	41	44	80	13	03	29.36	30.12
18	BKN	200			10.00		47	41	44	80	5	10	29.32	30.08	18	SCT	NC			10.00		41	36	39	82	15	02	29.37	30.13
21	BKN	160			10.00		44	39	42	83	5	14	29.31	30.06	21	OVC	070			10.00		42	34	39	73	12	01	29.37	30.13
24	BKN	004			5.00	BR	45	43	44	93	7	15	29.26	30.01	24	OVC	070			10.00		41	33	38	74	18	02	29.38	30.15
SUNRISE: 0512						APR 14		SUNSET: 1832						SUNRISE: 0502						APR 20		SUNSET: 1839							
03	OVC	001			0.25	FG	44	44	44	100	5	24	29.21	29.96	03	OVC	080			10.00		38	28	34	68	18	02	29.40	30.17
06	FEW	NC			3.00	BCFG	44	43	44	96	5	18	29.16	29.91	06	BKN	095			10.00		38	27	34	65	23	03	29.43	30.20
09	FEW	NC			3.00		61	50	55	67	15	21	29.10	29.84	09	CLR	NC			10.00		41	29	36	62	23	02	29.46	30.22
12	BKN	240			10.00		69	48	57	47	16	18	29.02	29.75	12	FEW	NC			10.00		43	30	38	60	18	02	29.47	30.24
15	BKN	180			10.00		67	50	57	55	14	13	28.95	29.69	15	SCT	NC			10.00		43	27	37	53	17	03	29.44	30.20
18	BKN	070			8.00		58	50	54	75	10	14	28.91	29.65	18	BKN	110			10.00		39	29	35	67	12	03	29.42	30.19
21	BKN	060			10.00	-RA	60	54	57	80	5	14	28.92	29.66	21	BKN	200			10.00		39	29	35	67	16	02	29.40	30.16
24	BKN	250			10.00		64	55	59	73	10	23	28.92	29.65	24	OVC	120			10.00		39	31	36	73	12	04	29.39	30.16
SUNRISE: 0510						APR 15		SUNSET: 1833						SUNRISE: 0501						APR 21		SUNSET: 1840							
03	OVC	160			10.00		63	55	58	76	9	23	28.95	29.69	03	OVC	085			10.00		37	27	33	67	20	04	29.34	30.11
06	BKN	150			7.00		60	55	57	84	6	20	29.00	29.74	06	OVC	060		-RA	10.00		35	30	33	82	15	04	29.34	30.11
09	BKN	180			10.00		69	58	62	68	6	22	29.02	29.75	09	OVC	009			10.00		36	34	35	93	16	09	29.30	30.06
12	BKN	200			10.00		79	60	67	52	13	23	29.02	29.75	12	OVC	014			10.00		38	34	36	86	22	10	29.19	29.95
15	SCT	NC			10.00		88	54	67	31	20	21	28.98	29.71	15	OVC	009		-RA BR	2.00		38	36	37	93	16	07	29.10	29.85
18	SCT	NC			10.00		83	54	65	37	15	20	28.99	29.72	18	OVC	008		BR	4.00		36	34	35	93	17	06	29.13	29.89
21	CLR	NC			10.00		75	55	63	50	9	19	29.05	29.78	21	OVC	004		-RASN BR	2.50		34	33	34	97	18	06	29.16	29.92
24	CLR	NC			10.00		74	60	65	62	18	20	29.08	29.80	24	OVC	012		-SN BR	2.50		33	32	33	96	9	05	29.15	29.92
SUNRISE: 0508						APR 16		SUNSET: 1834						SUNRISE: 0459						APR 22		SUNSET: 1841							
03	CLR	NC			10.00		70	60	64	71	13	22	29.10	29.83	03	OVC	007		-SN BR	2.50		33	32	33	96	7	35	29.18	29.94
06	CLR	NC			9.00		68	61	64	78	13	21	29.13	29.85	06	OVC	029		-SN	9.00		34	31	33	89	7	34	29.25	30.01
09	CLR	NC			10.00		76	62	67	62	16	22	29.13	29.85	09	BKN	024			10.00		38	31	35	76	9	02	29.30	30.06
12	SCT	NC			10.00		81	62	69	53	18	21	29.10	29.83	12	OVC	050			10.00		39	27	34	62	12	33	29.36	30.13
15	SCT	NC			10.00		86	59	69	40	24	20	29.03	29.76	15	OVC	033			10.00		37	32	35	82	8	04	29.38	30.16
18	BKN	200			10.00		83	56	66	40	20	21	29.04	29.76	18	OVC	043			10.00		36	30	34	79	6	06	29.41	30.18
21	OVC	220			10.00		79	56	65	45	24	21	29.05	29.78	21	SCT	NC			10.00		35	30	33	82	6	20	29.44	30.22
24	OVC	200			10.00		75	61	66	62	18	22	29.10	29.82	24	CLR	NC			7.00		33	30	32	89	5	23	29.44	30.21
SUNRISE: 0507						APR 17		SUNSET: 1835						SUNRISE: 0457						APR 23		SUNSET: 1842							
03	OVC	080			10.00		71	61	65	71	12	21	29.13	29.85	03	CLR	NC			6.00	BR	30	28	29	92	0	00	29.44	30.22
06	OVC	060			10.00		68	60	63	76	13	22	29.17	29.89	06	FEW	NC			4.00	BR	33	31	32	92	0	00	29.46	30.24
09	SCT	NC			10.00		72	61	65	69	16	24	29.20	29.93	09	BKN	055			10.00		42	29	37	60	13	12	29.44	30.21
12	SCT	NC			10.00		79	56	65	45	10	26	29.22	29.95	12	CLR	NC			10.00		46	35	41	66	15	13	29.42	30.19
15	CLR	NC			10.00		81	40	59	23	14	28	29.25	29.98	15	BKN	060			10.00		46	36	42	68	13	13	29.38	30.15
18	CLR	NC			10.00		76	43	58	31	6	06	29.26	29.99	18	CLR	NC			10.00		44	35	40	71	10	14	29.33	30.10
21	CLR	NC			10.00		64	47	55	54	3	13	29.30	30.03	21	CLR	NC			10.00		44	35	40	71	8	17	29.32	30.08
24	FEW	NC			10.00		62	51	56	67	5	13	29.28	30.01	24	FEW	NC			9.00		45	38	42	77	6	17	29.30	30.05
SUNRISE: 0505						APR 18		SUNSET: 1836						SUNRISE: 0456						APR 24		SUNSET: 1843							
03	BKN	060			6.00	BR	57	54	55	90	7	11	29.26	29.99	03	CLR	NC			8.00		46	39	43	77	9	17	29.22	29.97
06	BKN	180			6.00	BR	50	49	49	96	5	12	29.21	29.95	06	CLR	NC			8.00		48	41	45	77	13	18	29.16	29.91
09	BKN	250			5.00	HZ	56	51	53	84	7	08	29.17	29.91	09	FEW	NC			10.00		63	45	53	52	20	20	29.11	29.85
12	BKN	180			10.00		84	59	68	43	17	21	29.06	29.79	12	BKN	250			10.00		66	49	57	54	16	14	29.02	29.76
15	BKN	240			10.00		85	60	69	43	21	18	28.98	29.71	15	OVC	150			10.00		68	51	58	55	15	18	28.93	29.67
18	BKN	085			10.00	-RA	70	58	63	66	15	20	28.98	29.72	18	OVC	049		-RA	7.00		47	44	46	90	21	30	29.03	29.77
21	BKN	200			10.00		67	58	62	73	10	21	28.97	29.71	21	SCT	NC			10.00		47	30	40	52	23	29	29.16	29.90
24	BKN	080			10.00		64	57	60	78	12	23	29.06	29.79	24	FEW	NC			10.00		42	23	35	47	24	30	29.28	30.03

OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

APRIL 2002

MKE

WBAN # 14839

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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
						SUNRISE: 0454	APR 25			SUNSET: 1844				
03	CLR	NC					39	22	33	50	10	27	29.31	30.05
06	FEW	NC					38	24	33	57	14	24	29.29	30.04
09	FEW	NC					46	19	36	34	15	27	29.26	30.01
12	FEW	NC					50	19	38	29	25	27	29.30	30.05
15	SCT	NC					52	22	40	31	22	31	29.31	30.07
18	SCT	NC					50	21	39	32	18	30	29.33	30.10
21	CLR	NC					46	23	37	40	9	29	29.40	30.16
24	CLR	NC					41	24	35	51	8	30	29.45	30.22
						SUNRISE: 0453	APR 26			SUNSET: 1846				
03	CLR	NC					37	21	31	52	12	31	29.48	30.25
06	CLR	NC					35	21	30	57	9	33	29.52	30.29
09	CLR	NC					40	25	34	55	13	04	29.57	30.34
12	CLR	NC					42	27	36	55	9	07	29.58	30.35
15	CLR	NC					44	29	38	55	12	13	29.55	30.32
18	FEW	NC					41	29	36	62	10	14	29.53	30.30
21	FEW	NC					38	29	34	70	7	17	29.55	30.32
24	FEW	NC					38	30	35	73	5	13	29.54	30.31
						SUNRISE: 0451	APR 27			SUNSET: 1847				
03	OVC	180					41	24	35	51	12	13	29.51	30.27
06	OVC	100					40	29	36	65	12	10	29.50	30.27
09	OVC	090					41	29	36	62	17	10	29.45	30.21
12	OVC	100				-RA	42	35	39	76	15	10	29.35	30.12
15	OVC	025				3.00 -RA BR	42	40	41	92	20	12	29.21	29.97
18	OVC	009				1.00 -RA BR	41	40	41	96	20	11	29.03	29.79
21	OVC	004				1.00 -RA BR	41	41	41	100	18	12	28.91	29.66
24	OVC	002				1.00 -DZ BR	43	42	43	97	15	13	28.76	29.50
						SUNRISE: 0450	APR 28			SUNSET: 1848				
03	VV	001				0.25 -RA FG	44	44	44	100	6	11	28.63	29.37
06	OVC	010				0.25 -RA BR	45	44	45	97	5	32	28.62	29.36
09	OVC	008				5.00 BR	40	38	39	93	22	35	28.80	29.54
12	OVC	011					40	36	38	86	18	34	28.97	29.73
15	OVC	019					41	34	38	76	18	33	29.10	29.85
18	OVC	026					42	34	39	73	9	34	29.20	29.95
21	OVC	025					39	35	37	86	6	04	29.25	30.01
24	OVC	034					39	35	37	86	0	00	29.26	30.01
						SUNRISE: 0449	APR 29			SUNSET: 1849				
03	OVC	040					39	35	37	86	5	20	29.24	30.00
06	OVC	034					41	36	39	82	6	22	29.23	29.99
09	OVC	038					46	36	42	68	13	23	29.20	29.95
12	OVC	035					51	38	45	61	13	24	29.18	29.93
15	BKN	049					58	35	47	42	14	27	29.14	29.89
18	FEW	NC					60	31	47	33	9	23	29.08	29.83
21	FEW	NC					53	33	44	47	12	22	29.06	29.81
24	SCT	NC					55	32	45	42	8	28	29.08	29.82
						SUNRISE: 0447	APR 30			SUNSET: 1850				
03	BKN	070					50	36	44	59	5	28	29.11	29.85
06	CLR	NC					48	29	40	48	9	29	29.15	29.90
09	BKN	180					52	23	40	32	15	31	29.16	29.91
12	BKN	150					55	25	42	31	7	VR	29.16	29.90
15	BKN	180					56	23	42	28	5	32	29.12	29.86
18	FEW	NC					53	29	43	40	9	17	29.09	29.84
21	FEW	NC					46	29	39	51	10	20	29.12	29.87
24	FEW	NC					45	32	39	61	6	21	29.09	29.84

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	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
						SUNRISE:	APR 31			SUNSET:				

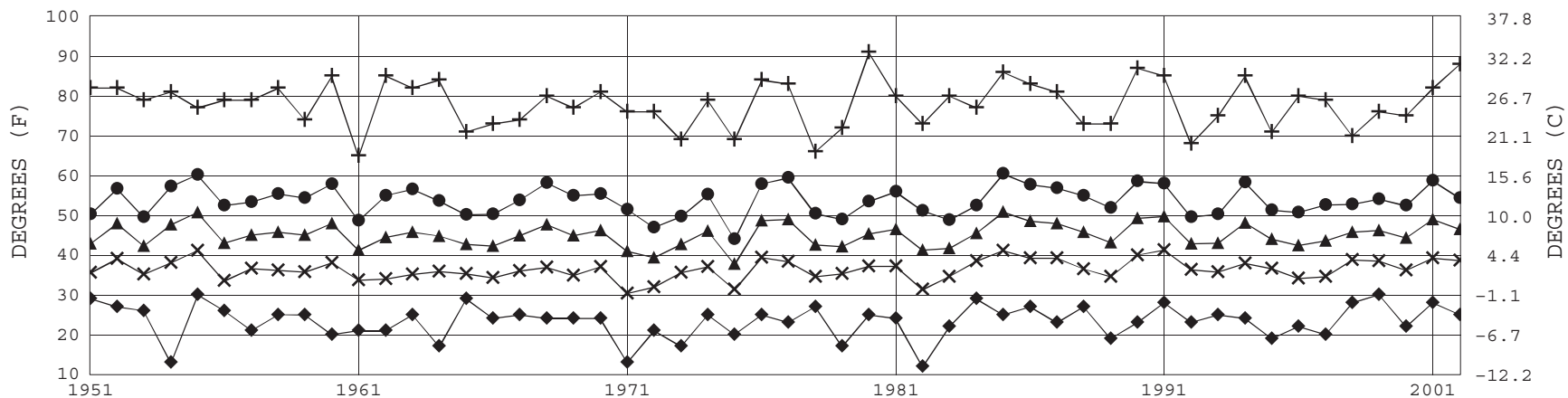
3-HOURLY OBSERVATION NOTES

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.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			44	36	40	75	29.28	30.04	8.49	10	2	24
02			44	36	40	75	29.28	30.04	8.18	9	2	26
03			43	36	40	76	29.28	30.04	8.03	9	2	26
04			42	35	39	78	29.28	30.04	7.92	9	2	27
05			42	35	39	79	29.29	30.04	8.01	8	2	27
06			42	36	40	78	29.30	30.06	7.91	9	2	27
07			44	36	41	76	29.31	30.07	7.99	11	2	29
08			46	36	42	72	29.31	30.07	8.49	12	2	30
09			47	36	42	68	29.31	30.07	8.53	12	1	29
10			49	37	43	66	29.32	30.07	8.89	12	1	26
11			50	37	44	63	29.31	30.06	9.00	13	2	25
12			51	37	44	62	29.30	30.06	9.18	13	2	17
13			51	37	44	62	29.30	30.05	8.97	14	3	15
14			51	37	44	62	29.28	30.04	8.82	12	3	15
15			51	37	44	62	29.27	30.03	8.43	13	3	16
16			51	36	44	64	29.27	30.02	8.15	13	3	17
17			50	36	43	66	29.27	30.03	8.28	12	2	16
18			48	36	42	67	29.27	30.02	8.33	11	2	15
19			47	35	42	68	29.27	30.02	8.53	11	2	14
20			46	35	41	68	29.28	30.04	8.48	10	0	0
21			46	35	41	70	29.28	30.04	8.75	10	2	19
22			46	36	41	71	29.29	30.04	8.82	11	1	23
23			45	36	41	73	29.29	30.04	8.90	10	2	22
24			45	36	41	74	29.29	30.04	8.54	10	2	23

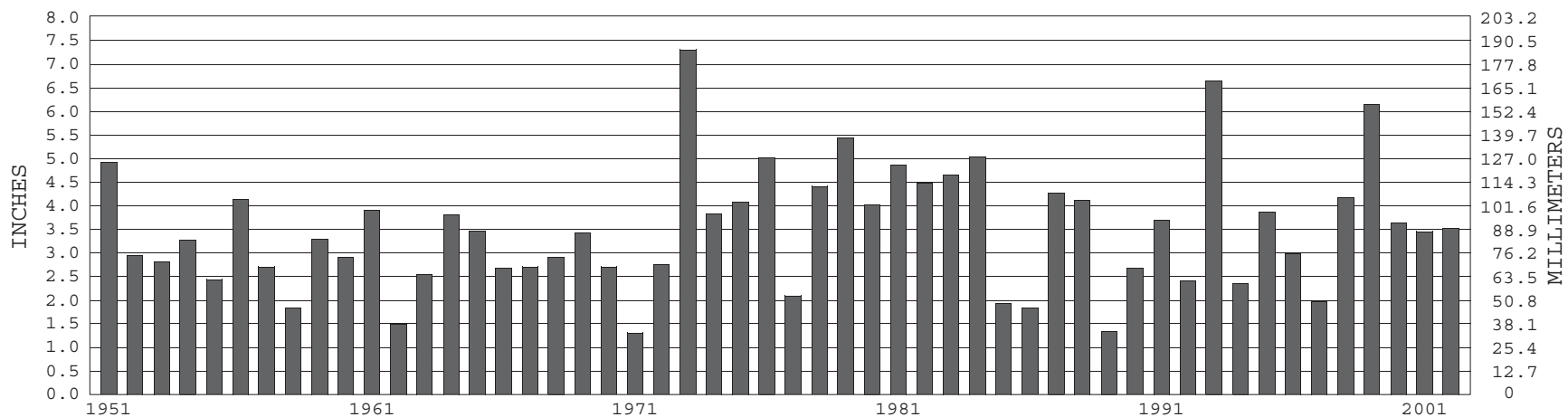
MILWAUKEE, WI APRIL TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-2002) Mean: 45.1 1961-1990 Normal: 45.2

MILWAUKEE, WI APRIL PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 3.48

1961-1990 Normal: 3.78



APRIL 2002

MILWAUKEE, WI

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.

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