



# APRIL 2003

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# GREEN BAY, WI

AUSTIN STRAUBEL FIELD (GRB)  
 Lat: 44°30' N Long: 88°07' W Elev (Ground): 682 Feet  
 Time Zone: CENTRAL WBAN: 14898 ISSN #:0198-5698

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																																	
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																
01	51	31	41	3	36	38	24	0	0		0.0	0.03	28.96	29.72	4.5	05	6.2	22	06	20	06	01																																
02	38	31	35	-3	30	32	30	0	0		0.0	0.00	29.20	29.97	21.4	04	21.5	37	04	30	04	02																																
03	32	28	30	-9	28	29	35	0	0		T	0.08	29.20	29.99			17.9	36	06	28	06	03																																
04	27	19	23	-16			42	0	T		4.1	0.19	29.11				13.6	37	04	29	03	04																																
05	32	18	25	-15	16	21	40	0	5		0.9	0.04	29.34	30.14			9.3	18	08	17	33	05																																
06	32	12*	22*	-18	17	22	43	0	3		0.0	0.00	29.66	30.45			9.6	21	05	18	06	06																																
07	31	26	29	-12	20	26	36	0	2		T	T	29.57	30.36	20.3	05	20.7	39	06	33	04	07																																
08	35	23	29	-12	19	26	36	0	2		0.0	0.00	29.64	30.43	10.6	04	11.4	25	04	23	05	08																																
09	48	20	34	-7	25	32	31	0	1		0.0	0.00	29.51	30.29	5.1	20	6.0	17	19	15	18	09																																
10	60	31	46	4	33	40	19	0	0		0.0	0.00	29.33	30.10	9.5	21	9.6	25	21	18	20	10																																
11	64	33	49	7			16	0	0		0.0	0.00	29.22	29.98	5.8	06	8.7	25	05	21	06	11																																
12	48	32	40	-3	29	35	25	0	0		0.0	0.00	29.41	30.19	8.8	03	9.7	26	01	22	02	12																																
13	62	27	45	2	34	40	20	0	0		0.0	0.00	29.41	30.18	5.9	16	9.0	20	19	17	15	13																																
14	81	47	64*	20	45	54	1	0	0		0.0	0.00	29.11	29.86	15.7	21	15.8	35	21	29	20	14																																
15	82*	38	60	16	47	51	5	0	0		0.0	0.71	28.98	29.72	5.7	05	18.1	41	01	35	01	15																																
16	38	31	35	-9	32	32	30	0	0		0.0	0.57	29.25	30.02	20.5	05	20.7	44*	05	37*	04	16																																
17	40	31	36	-9	29	32	29	0	0		0.0	T	29.28	30.06	12.1	05	12.1	23	06	20	06	17																																
18	40	33	37	-8	34	36	28	0	0		0.0	T	29.35	30.13	11.6	04	12.0	22	07	20	06	18																																
19	60	37	49	3	48	49	16	0	0		0.0	0.39	29.19	29.96	7.0	12	9.0	22	17	17	16	19																																
20	61	47	54	8	51	53	11	0	0		0.0	0.13	28.91	29.66	9.8	23	12.6	29	23	24	23	20																																
21	47	37	42	-5	37	40	23	0	0		0.0	0.05	29.01	29.77	13.2	32	15.3	32	36	25	33	21																																
22	56	33	45	-2	28	36	20	0	0		0.0	0.00	29.31		6.6	01	8.8	20	36	16	33	22																																
23	56	29	43	-4	26	35	22	0	0		0.0	0.00	29.41	30.18	2.1	12	4.6	16	13	14	12	23																																
24	62	29	46	-2	29	40	19	0	0		0.0	T	29.25	30.02	2.8	08	4.0	17	07	14	05	24																																
25	54	37	46	-2	32	39	19	0	0		0.0	0.00	29.17	29.94	15.7	05	16.5	32	06	28	05	25																																
26	59	29	44	-5	27	37	21	0	0		0.0	0.00	29.19	29.96	2.6	14	7.0	20	15	18	15	26																																
27	74	39	57	8	43	51	8	0	0		0.0	0.00	29.08	29.83	12.2	21	12.6	30	24	25	22	27																																
28	67	41	54	4	40	48	11	0	0		0.0	0.00	29.14	29.89	5.6	28	10.9	25	31	22	30	28																																
29	60	35	48	-2	36	43	17	0	0		0.0	0.00	29.30	30.06	2.2	18	6.3	21	05	17	05	29																																
30	46	42	44	-6	38	41	21	0	0		0.0	0.17	29.18	29.94	9.0	05	9.3	17	05	15	05	30																																
											51.4		31.5		41.5		■ ■		23.3		0.0		< MONTHLY AVERAGES				TOTALS-->				5.0		2.36		29.26		■ ■		11.6		<-- MONTHLY AVERAGES													
											-3.2		-2.4		-2.7		■ ■		←-----DEPARTURE FROM NORMAL----->										-		.20		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																					
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 1.27 DATE :15-16				GREATEST 24-HR SNOWFALL: 4.1 DATE :04				GREATEST SNOW DEPTH: 5 DATE :05				SEA LEVEL PRESSURE DATE TIME				MINIMUM : 30.50 06 0853				MINIMUM : 29.56 01 0353																							
MONTHLY TOTAL DEPARTURE											HEATING: 698				COOLING: 60				SEASON TO DATE TOTAL DEPARTURE				7616				39				NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 17				PRECIPITATION ≥ 0.01 INCH : 10				PRECIPITATION ≥ 0.10 INCH : 6				SNOWFALL ≥ 1.0 INCH : 1			
											0				-3				0				-3								MAXIMUM TEMP ≤ 32 : 5				MINIMUM TEMP ≤ 0 : 0				THUNDERSTORMS : 3				HEAVY FOG : 2											

APRIL 2003 GREEN BAY, WI

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# GREEN BAY, WI

APRIL 2003

GRB

WBAN # 14898

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			0.03	
02													02												02			0.00	
03													03												03	0.02		0.08	
04													04	0.01	T	T	T	T	T	0.01	T	T			04	0.01		0.19	
05													05	T	T										05	T		0.04	
06													06												06			0.00	
07													07												07			T	
08													08												08			0.00	
09													09												09			0.00	
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												15	0.55		0.71	
16													16	0.02	0.01	T	T	T	0.01						16			0.57	
17													17		T										17			T	
18													18												18			T	
19													19	0.10	0.16	T		0.03	0.02	0.03	0.02	0.01	T	T	19			0.39	
20													20												20			0.13	
21													21												21			0.05	
22													22												22			0.00	
23													23												23			0.00	
24													24												24			T	
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	0.02	0.01	T	T	0.01	0.02	T	T	0.05	0.06	30			0.17		

## 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.

## 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 .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		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    ' ' = Moderate    '- ' = Light

## GREEN BAY, WI APRIL 2003

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during 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 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.

### ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01	503	66					.25	10.00	
02	250	32					4.00	10.00	
03	0	0					.00	10.00	
04	0	0					.00	10.00	
05	726	93					.00	10.00	
06	690	88					10.00	10.00	
07	80	10					2.50	10.00	
08	683	87					10.00	10.00	
09	790	100					8.00	10.00	
10	753	95					8.00	10.00	
11	729	91					10.00	10.00	
12	694	87					10.00	10.00	
13	749	94					9.00	10.00	
14	716	89					9.00	10.00	
15	410	51					1.75	10.00	
16	0	0					1.50	10.00	
17	423	52					9.00	10.00	
18	315	39					5.00	10.00	
19	143	17					.50	9.00	
20	370	45					1.00	10.00	
21	447	54					5.00	10.00	
22	831	100					10.00	10.00	
23	778	94					10.00	10.00	
24	738	88					10.00	10.00	
25	836	84					10.00	10.00	
26	789	94					10.00	10.00	
27	474	56					10.00	10.00	
28	381	45					10.00	10.00	
29							10.00	10.00	
30	0	0					4.00	10.00	
<b>MONTHLY AVGS</b>							6.53	9.97	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible: Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING 30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0 1            9            17									

# OBSERVATIONS AT 3-HOURLY INTERVALS

## GREEN BAY, WI

APRIL 2003

GRB

WBAN # 14898

HOUR (LST)	SATellite		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATellite		WEATHER	TEMPERATURE °F				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	RELATIVE HUMIDITY (PCT)	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	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
<p>SUNRISE: 0534 APR 01 SUNSET: 1818</p>																													
03	CLR	NC		1.25	BR	31	31	31	100	5	01	28.80	29.56	03	CLR	NC		10.00		28	21	26	75	15	07	29.51	30.30		
06	CLR	NC		1.25	BR	32	32	32	100	5	32	28.84	29.61	06	BKN	110		10.00		28	17	25	63	18	06	29.56	30.35		
09	BKN	041		2.00	-RA BR	36	36	36	100	5	25	28.92	29.69	09	FEW	NC		10.00		29	16	25	58	23	06	29.55	30.34		
12	CLR	NC		3.00	BR	43	40	42	89	0	00	28.94	29.71	12	FEW	NC		10.00		31	19	27	61	24	05	29.55	30.34		
15	CLR	NC		7.00		50	41	46	71	7	05	28.98	29.74	15	OVC	024		10.00		30	20	27	66	26	04	29.57	30.36		
18	CLR	NC		7.00		46	39	43	77	9	09	29.04	29.80	18	OVC	060		10.00		27	21	25	78	26	04	29.59	30.38		
21	CLR	NC		6.00	BR	38	36	37	93	14	06	29.09	29.85	21	OVC	060		10.00		27	22	25	81	20	06	29.61	30.40		
24	CLR	NC		10.00		35	31	33	85	10	05	29.16	29.93	24	OVC	042		10.00		28	22	26	78	17	05	29.63	30.42		
<p>SUNRISE: 0532 APR 02 SUNSET: 1819</p>																													
03	CLR	NC		10.00		32	28	31	85	15	05	29.13	29.89	03	OVC	033		10.00		26	20	24	78	16	04	29.62	30.41		
06	SCT	NC		10.00		32	28	31	85	25	05	29.14	29.91	06	CLR	NC		10.00		25	16	22	69	12	02	29.65	30.44		
09	OVC	041		10.00		34	31	33	89	24	05	29.19	29.97	09	CLR	NC		10.00		30	20	27	66	18	04	29.67	30.46		
12	OVC	032		10.00		35	32	34	89	24	04	29.21	29.98	12	CLR	NC		10.00		33	19	28	56	18	03	29.67	30.45		
15	OVC	012		9.00		34	32	33	92	20	04	29.23	30.01	15	CLR	NC		10.00		35	18	29	50	13	05	29.64	30.42		
18	OVC	010		4.00	BR	32	30	31	92	23	04	29.22	29.99	18	CLR	NC		10.00		33	17	28	52	8	07	29.63	30.42		
21	OVC	008		10.00		32	30	31	92	23	04	29.26	30.03	21	CLR	NC		10.00		27	19	24	72	0	00	29.62	30.42		
24	OVC	012		10.00		32	30	31	92	21	05	29.25	30.02	24	CLR	NC		10.00		24	18	22	77	6	30	29.59	30.38		
<p>SUNRISE: 0530 APR 03 SUNSET: 1821</p>																													
03	OVC	012		10.00		31	29	30	92	17	05	29.21	29.98	03	CLR	NC		10.00		22	20	21	92	0	00	29.58	30.37		
06	OVC	008		4.00	-FZDZ BR	30	29	30	96	20	05	29.23	30.00	06	CLR	NC		10.00		20	18	19	92	5	16	29.57	30.37		
09	OVC	008		1.50	-FZDZ BR	30	29	30	96	21	07	29.26	30.04	09	CLR	NC		10.00		36	22	31	57	3	21	29.57	30.36		
12	OVC	008		3.00	BR	29	28	29	96	16	06	29.26	30.03	12	CLR	NC		10.00		45	28	38	52	8	22	29.52	30.30		
15	OVC	006		2.00	-FZRA BR	29	28	29	96	20	07	29.15	29.93	15	CLR	NC		10.00		47	30	40	52	14	18	29.46	30.25		
18	OVC			1.50	-FZRA BR	30	29	30	96			29.17	29.95	18	CLR	NC		10.00		46	27	38	47	7	19	29.43	30.22		
21	OVC	009		3.00	BR	29	28	29	96			29.17	29.95	21	CLR	NC		10.00		38	26	33	62	6	20	29.43	30.21		
24						29	28	29	96			29.14		24	CLR	NC		10.00		34	27	31	76	5	21	29.42	30.21		
<p>SUNRISE: 0529 APR 04 SUNSET: 1822</p>																													
03												29.13		03	CLR	NC		10.00		33	28	31	82	7	21	29.40	30.18		
06	OVC	008		1.50	-FZDZ BR					12	03	29.15		06	CLR	NC		10.00		32	27	30	82	6	20	29.43	30.21		
09												29.16		09	CLR	NC		10.00		45	32	39	61	12	22	29.41	30.19		
12	OVC	008		1.50	-FZDZ BR	77	75	76	94	23	02	29.14		12	CLR	NC		10.00		55	36	46	49	16	22	29.36	30.13		
15	OVC	034		1.75	UP BR	24	22	23	91	23	05	29.09		15	CLR	NC		10.00		59	38	49	46	14	21	29.29	30.05		
18	OVC	011		2.00	UP BR	24	22	23	91	20	05	29.05		18	CLR	NC		10.00		56	37	47	49	12	19	29.22	29.98		
21	OVC	008		0.50	SN FZFG	23	23	23	100	21	04	29.06		21	CLR	NC		10.00		44	36	40	73	6	20	29.21	29.98		
24	OVC	010		1.00	-SN BR	20	18	19	92	14	08	29.06	29.82	24	CLR	NC		10.00		41	33	38	74	5	20	29.21	29.97		
<p>SUNRISE: 0527 APR 05 SUNSET: 1823</p>																													
03				7.00	-SN	18	15	17	88			29.10	29.88	03	CLR	NC		10.00						5	21	29.18	29.94		
06	OVC	042		10.00		18	14	17	84			29.18	29.97	06	CLR	NC		10.00						5	28	29.20	29.97		
09	OVC	025		10.00		23	16	21	74			29.25	30.03	09	CLR	NC		10.00						17	05	29.22	29.98		
12	OVC	037		10.00	UP					15	32	29.34		12	CLR	NC		10.00						10	06	29.23	29.99		
15	OVC	044		10.00		31	18	27	59	10	32	29.39	30.19	15	CLR	NC		10.00		64	31	49	29	8	11	29.19	29.95		
18	CLR	NC		10.00		30	19	26	64			29.44	30.24	18	CLR	NC		10.00		55	32	45	42	12	12	29.21	29.97		
21	FEW	NC		10.00		23	17	21	78	6	09	29.56	30.35	21	CLR	NC		10.00		40	30	36	68	10	05	29.26	30.02		
24	CLR	NC		10.00		19	14	18	81			29.61	30.40	24	CLR	NC		10.00		38	28	34	68	13	03	29.31	30.07		
<p>SUNRISE: 0525 APR 06 SUNSET: 1824</p>																													
03	CLR	NC		10.00		15	11	14	84			29.64	30.43	03	CLR	NC		10.00		33	27	31	78	9	01	29.33	30.10		
06	CLR	NC		10.00		13	10	12	88			29.67	30.47	06	CLR	NC		10.00		33	28	31	82	10	01	29.38	30.16		
09	CLR	NC		10.00		23	18	21	81	6	06	29.70	30.50	09	OVC	021		10.00		37	30	34	76	14	01	29.43	30.21		
12	SCT	NC		10.00		30	22	27	72	7	08	29.69	30.48	12	BKN	025		10.00		43	32	38	65	13	06	29.44	30.21		
15	CLR	NC		10.00		31	21	28	67	14	08	29.65	30.45	15	CLR	NC		10.00		46	32	40	58	8	07	29.42	30.20		
18	CLR	NC		10.00		28	17	25	63	14	05	29.63	30.43	18	CLR	NC		10.00		44	30	38	58	9	06	29.42	30.20		
21	CLR	NC		10.00		26	16	23	66	14	06	29.64	30.44	21	CLR	NC		10.00		35	28	32	76	6	10	29.46	30.24		
24	CLR	NC		10.00		26	22	25	84	14	05	29.63	30.42	24	CLR	NC		10.00		34	23	30	64	3	05	29.45	30.23		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# GREEN BAY, WI

APRIL 2003

GRB

WBAN # 14898

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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0513      APR 13      SUNSET: 1833																							
03	CLR	NC		28	23	26	81	5	03	29.48	30.26	03	OVC	008		37	37	37	100	9	36	29.35	30.13
06	CLR	NC		29	24	27	82	5	05	29.49	30.27	06	OVC	006		39	39	39	100	7	08	29.28	30.05
09	CLR	NC		42	31	37	65	5	19	29.50	30.28	09	OVC	004		46	46	46	100	8	13	29.24	30.01
12	CLR	NC		56	39	48	53	12	17	29.43	30.20	12	OVC	010		54	51	52	90	12	15	29.20	29.96
15	CLR	NC		62	41	51	46	12	19	29.36	30.14	15	BKN	012		59	56	57	90	10	14	29.14	29.90
18	CLR	NC		54	42	48	64	13	15	29.32	30.09	18	OVC	027		57	57	57	100	6	15	29.12	29.88
21	CLR	NC		50	39	45	66	12	17	29.32	30.09	21	OVC	080		55	55	55	100	8	11	29.05	29.81
24	CLR	NC		49	37	43	64	13	19	29.28	30.04	24	OVC	075		57	55	56	93	14	17	29.02	29.77
SUNRISE: 0511      APR 14      SUNSET: 1834																							
03	CLR	NC		51	37	45	59	13	20	29.24	29.99	03	OVC	018		54	54	54	100	10	16	28.95	29.70
06	SCT	NC		52	37	45	57	14	20	29.21	29.97	06	CLR	NC		53	53	53	100	6	12	28.89	29.64
09	CLR	NC		61	44	52	54	14	20	29.18	29.94	09	OVC	018		59	57	58	93	18	20	28.86	29.62
12	CLR	NC		75	51	61	43	20	20	29.12	29.87	12	OVC	021		57	52	54	83	14	23	28.88	29.64
15	CLR	NC		80	53	64	39	22	20	29.04	29.79	15	OVC	070		60	51	55	72	18	25	28.89	29.65
18	CLR	NC		77	47	60	35	16	21	29.01	29.75	18	OVC	045		55	50	52	83	15	28	28.92	29.67
21	CLR	NC		69	47	57	45	12	21	29.02	29.77	21	OVC	024		50	46	48	86	13	24	28.93	29.68
24	CLR	NC		65	47	55	52	14	22	29.00	29.75	24	OVC	022		47	45	46	93	12	24	28.90	29.65
SUNRISE: 0509      APR 15      SUNSET: 1836																							
03	CLR	NC		62	49	55	62	14	21	28.94	29.69	03	OVC	031		45	44	45	97	9	25	28.87	29.63
06	CLR	NC		59	50	54	72	7	21	28.95	29.69	06	OVC	021		42	39	41	89	14	30	28.88	29.64
09	CLR	NC		71	53	61	53	13	22	28.94	29.68	09	OVC	018		41	37	39	86	16	31	28.93	29.69
12	CLR	NC		80	56	65	44	12	24	28.92	29.66	12	OVC	060		42	36	39	79	14	30	28.98	29.75
15	OVC	070		52	44	48	75	24	05	28.97	29.72	15	OVC	041		46	36	42	68	18	32	29.02	29.78
18	OVC	070	-RA	45	42	44	90	31	04	29.02	29.77	18	OVC	039		41	31	37	67	17	34	29.11	29.87
21	BKN	070	-RA	40	37	39	89	26	06	29.01	29.77	21	OVC	026		38	32	36	79	18	35	29.17	29.94
24	OVC	009	-RA	38	38	38	100	20	06	29.06	29.81	24	OVC	030		39	31	36	73	14	35	29.19	29.96
SUNRISE: 0507      APR 16      SUNSET: 1837																							
03	OVC	005	-RA BR	36	36	36	100	26	05	29.09	29.85	03	CLR	NC		35	30	33	82	8	34	29.23	29.99
06	OVC	005		35	34	35	96	30	04	29.15	29.92	06	CLR	NC		34	26	31	73	7	34	29.28	30.05
09	OVC	011	RA BR	33	33	33	100	26	04	29.24	30.01	09											
12	OVC	007	UP BR	32	32	32	100	24	05	29.28	30.05	12	CLR	NC		50	31	42	48	12	32	29.32	
15	OVC	014		31	29	30	92	16	06	29.29	30.06	15	CLR	NC		55	28	43	36	9	04	29.30	
18	OVC	018		31	28	30	89	13	06	29.32	30.10	18	CLR	NC		47	29	39	50	9	05	29.32	
21	OVC	012		31	29	30	92	13	06	29.34	30.12	21	CLR	NC		37	24	32	60	6	12	29.37	
24	OVC	030		32	28	31	85	10	07	29.32	30.11	24	CLR	NC		33	21	29	61	6	05	29.41	30.19
SUNRISE: 0506      APR 17      SUNSET: 1838																							
03	OVC	100		31	25	29	79	15	07	29.29	30.07	03	CLR	NC		29	27	28	92	0	00	29.42	30.19
06	SCT	NC		32	26	30	79	16	07	29.28	30.06	06	CLR	NC		30	28	29	92	3	28	29.44	30.22
09												09	CLR	NC		42	24	35	49	0	00	29.47	30.25
12	OVC	028		38	29	34	70	7	07	29.28	30.05	12	CLR	NC		49	25	39	39	0	00	29.44	30.22
15	BKN	100		37	31	35	79	14	03	29.28	30.05	15	CLR	NC		55	29	44	37	6	14	29.37	30.15
18	OVC	085		34	30	32	85	12	03	29.28	30.06	18	CLR	NC		50	27	40	41	9	12	29.36	30.14
21	OVC	034		34	32	33	92	7	01	29.30	30.07	21	CLR	NC		38	25	33	60	5	14	29.36	30.14
24	OVC	032		33	32	33	96	6	01	29.31	30.08	24	CLR	NC		35	20	30	54	3	19	29.36	30.13
SUNRISE: 0504      APR 18      SUNSET: 1839																							
03	OVC	007		33	33	33	100	6	36	29.31	30.09	03	CLR	NC		31	26	29	82	0	00	29.33	30.11
06	OVC	007	BR	34	33	34	97	13	04	29.33	30.12	06	CLR	NC		32	29	31	88	0	00	29.32	30.09
09	OVC	009		36	33	35	89	18	04	29.35	30.13	09	CLR	NC		50	18	38	28	5	VR	29.32	30.08
12	OVC	017		39	35	37	86	17	05	29.38	30.16	12	CLR	NC		59	29	46	32	5	VR	29.26	30.02
15	OVC	021		40	35	38	83	17	04	29.37	30.15	15	CLR	NC		61	31	47	32	8	12	29.21	29.97
18	OVC	025		38	34	36	86	14	06	29.37	30.15	18	SCT	NC		57	29	45	34	7	11	29.18	29.94
21	OVC	016		37	35	36	93	12	05	29.33	30.11	21	BKN	085		51	35	44	54	5	16	29.17	29.93
24	OVC	012	BR	38	37	38	97	5	01	29.36	30.14	24	OVC	100		48	37	43	66	14	05	29.15	29.91

# OBSERVATIONS AT 3-HOURLY INTERVALS

## GREEN BAY, WI

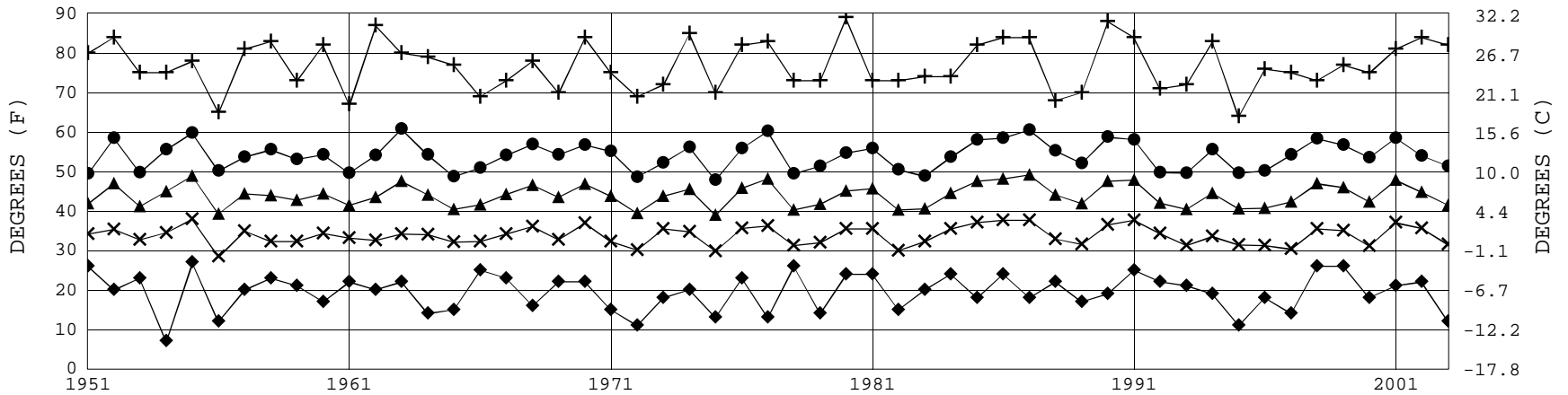
APRIL 2003

GRB

WBAN # 14898

HOUR (LST)	SATELLITE					WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE					WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)						
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Okts	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Okts	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL					
																														TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F
<b>SUNRISE: 0453</b>							<b>APR 25</b>	<b>SUNSET: 1848</b>							<b>SUNRISE: APR 31</b>							<b>SUNSET:</b>												
03	FEW	NC			10.00	42	32	38	68	15	05	29.15	29.91																					
06	OVC	095			10.00	40	34	37	79	13	04	29.19	29.95																					
09	FEW	NC			10.00	44	36	40	73	20	05	29.20	29.96																					
12	CLR	NC			10.00	48	37	43	66	26	04	29.19	29.95																					
15	CLR	NC			10.00	52	35	44	53	17	05	29.15	29.91																					
18	CLR	NC			10.00	49	30	41	48	12	09	29.15	29.91																					
21	CLR	NC			10.00	42	25	35	51	10	06	29.18	29.95																					
24	CLR	NC			10.00	37	27	33	67	12	04	29.21	29.97																					
<b>SUNRISE: 0451</b>							<b>APR 26</b>	<b>SUNSET: 1849</b>							3-HOURLY OBSERVATION NOTES																			
03	CLR	NC			10.00	32	24	29	73	3	36	29.21	29.98	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 Visibility = 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.																				
06	CLR	NC			10.00	32	23	29	69	6	02	29.22	29.99																					
09	CLR	NC			10.00	45	24	37	44	7	08	29.23	30.00																					
12	CLR	NC			10.00	53	27	42	37	8	17	29.20	29.96																					
15	CLR	NC			10.00	58	33	46	39	6	23	29.17	29.93																					
18	CLR	NC			10.00	52	30	42	43	14	15	29.15	29.92																					
21	CLR	NC			10.00	43	27	37	53	7	19	29.17	29.93																					
24	CLR	NC			10.00	40	26	35	58	7	18	29.17	29.93																					
<b>SUNRISE: 0450</b>							<b>APR 27</b>	<b>SUNSET: 1850</b>							SUMMARY BY HOUR																			
03	CLR	NC			10.00	40	30	36	68	7	20	29.15	29.91	HOUR (LST)	AVERAGES											RESULTANT WIND (MPH)								
06	CLR	NC			10.00	47	35	42	63	9	21	29.17	29.93		CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION								
09	CLR	NC			10.00	59	44	51	58	13	21	29.15	29.91								STATION	SEA LEVEL					TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F
12	CLR	NC			10.00	70	48	58	46	20	21	29.09	29.85	01		37	31	34	79	29.25	30.03	8.91	11	5	5									
15	CLR	NC			10.00	74	46	58	37	21	22	29.02	29.77	02		36	30	34	81	29.24	30.01	9.32	10	4	5									
18	CLR	NC			10.00	71	48	58	44	12	23	29.00	29.75	03		35	30	33	82	29.24	30.02	8.85	9	4	5									
21	BKN	085			10.00	64	48	55	56	8	21	29.00	29.75	04		35	30	33	81	29.25	30.02	8.72	10	4	4									
24	BKN	075			10.00	59	48	53	67	6	23	29.03	29.78	05		35	29	33	82	29.25	30.02	8.90	9	4	4									
<b>SUNRISE: 0448</b>							<b>APR 28</b>	<b>SUNSET: 1852</b>							06		35	30	33	82	29.26	30.04	8.34	10	5	4								
03	FEW	NC			10.00	56	41	49	57	8	24	29.07	29.81	07		37	31	35	79	29.27	30.05	8.18	11	5	4									
06	CLR	NC			10.00	53	39	46	59	8	25	29.09	29.84	08		40	31	36	73	29.27	30.05	8.53	12	5	5									
09	CLR	NC			10.00	60	42	51	52	15	28	29.12	29.87	09		43	32	38	70	29.27	30.05	8.58	13	4	5									
12	CLR	NC			10.00	64	44	54	48	9	29	29.13	29.87	10		44	32	39	67	29.27	30.04	8.60	14	6	4									
15	CLR	NC			10.00	66	38	52	36	14	30	29.13	29.88	11		47	34	41	65	29.27	30.04	8.72	14	4	4									
18	CLR	NC			10.00	64	37	51	37	5	32	29.14	29.89	12		50	36	44	64	29.27	30.03	8.75	13	3	4									
21	CLR	NC			10.00	45	35	41	68	8	09	29.24	30.00	13		49	35	43	62	29.26	30.03	8.62	13	5	5									
24	CLR	NC			10.00	41	34	38	76	7	06	29.29	30.05	14		48	34	42	63	29.25	30.02	8.82	15	6	4									
<b>SUNRISE: 0447</b>							<b>APR 29</b>	<b>SUNSET: 1853</b>							15		49	34	42	61	29.24	30.01	9.02	14	4	6								
03	CLR	NC			10.00	37	34	36	89	0	00	29.32	30.08	16		49	34	42	61	29.24	30.01	8.66	14	6	5									
06	CLR	NC			10.00	38	36	37	93	0	00	29.34	30.11	17		48	34	42	63	29.23	30.01	8.75	13	5	6									
09	FEW	NC			10.00	52	36	45	55	7	VR	29.34	30.11	18		46	33	40	65	29.24	30.01	8.53	13	6	7									
12	SCT	NC			10.00	57	37	47	47	9	20	29.32	30.09	19		43	32	38	69	29.24	30.01	9.18	12	6	8									
15	FEW	NC			10.00	58	37	48	46	10	21	29.28	30.04	20		41	32	37	72	29.26	30.03	9.21	10	5	8									
18	CLR	NC			10.00	55	34	45	45	15	16	29.25	30.01	21		40	32	37	75	29.26	30.03	8.78	10	5	7									
21	CLR	NC			10.00	49	34	42	57	7	22	29.26	30.02	22		39	32	36	76	29.26	30.03	8.89	11	5	7									
24	SCT	NC			10.00	44	38	41	79	12	03	29.28	30.04	23		39	31	36	77	29.26	30.03	8.94	11	5	4									
<b>SUNRISE: 0445</b>							<b>APR 30</b>	<b>SUNSET: 1854</b>							24		38	31	35	78	29.26	30.03	9.17	10	4	5								
03	OVC	085			10.00	43	32	38	65	10	05	29.27	30.03																					
06	OVC	090			10.00	42	33	38	71	9	05	29.26	30.02																					
09	CLR	NC			10.00	45	35	41	68	12	06	29.24	30.01																					
12	CLR	NC			9.00	44	40	42	85	8	04	29.21	29.97																					
15	OVC	065			9.00	46	42	44	86	6	06	29.14	29.91																					
18	OVC	070			4.00	45	43	44	93	10	04	29.10	29.86																					
21	OVC	070			5.00	44	43	44	96	5	35	29.11	29.87																					
24	OVC	005			4.00	43	43	43	100	9	02	29.03	29.79																					

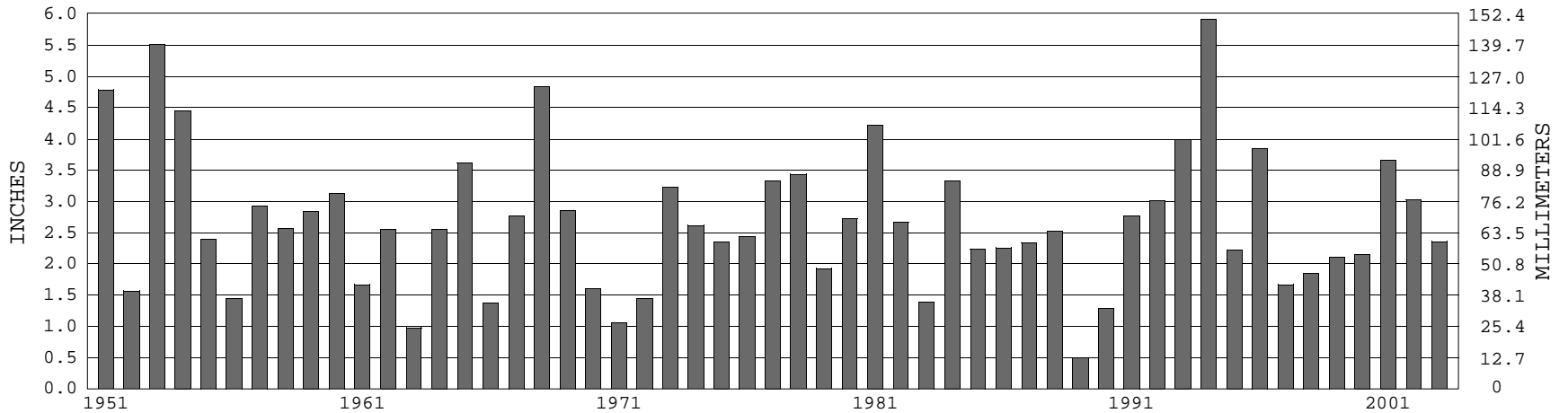
### GREEN BAY, WI APRIL TEMPERATURES



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

Long-Term (1951-2003) Mean: 43.9      1961-1990 Normal: 44.2

### GREEN BAY, WI APRIL PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 2.69

1961-1990 Normal: 2.56



APRIL 2003  
GREEN BAY, 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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