



MAY 2002

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			
																			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	54	41	48	-3	37	42	17	0	RA BR	0		0.0	0.30	29.02	29.77	7.7	05	8.1	17	05	15	05	01	
02	49	36	43	-8	31	38	22	0	RA SN FG BR	0		T	T	28.94	29.70	12.3	29	12.7	43	29	36	28	02	
03	54	32	43	-9	28	37	22	0		0		0.0	0.00	29.33	30.11	3.3	25	7.8	17	20	15	33	03	
04	66	32	49	-3	36	44	16	0	RA	0		0.0	T	29.33	30.10	6.9	20	11.3	30	21	25	21	04	
05	61	37	49	-3	37	44	16	0	TS	0		0.0	0.00	29.36	30.13	4.3	10	8.9	22	33	17	33	05	
06	62	43	53	0	48	49	12	0	TS TSRA RA BR HZ	0		0.0	0.31	29.08	29.84	8.7	04	9.5	24	03	21	03	06	
07	55	43	49	-4	38	44	16	0	RA BR	0		0.0	0.01	29.38	30.14	10.4	05	12.6	25	36	21	05	07	
08	53	41	47	-6	42	45	18	0	TSRA RA BR HZ	0		0.0	0.26	29.14	29.91	11.8	12	13.6	26	15	22	14	08	
09	54	44	49	-5	38	45	16	0	RA BR	0		0.0	0.12	28.92	29.67	17.2	26	19.6	47*	28	38*	26	09	
10	59	41	50	-4	29	41	15	0		0		0.0	0.00	29.41	30.18	16.1	28	16.7	41	25	36	27	10	
11	54	37	46	-9	36	41	19	0	RA BR	0		0.0	0.11	29.54	30.31	9.2	12	10.3	31	13	26	16	11	
12	44	42	43	-12	41	42	22	0	RA BR	0		0.0	0.06	29.28	30.05	13.3	03	14.2	29	01	22	02	12	
13	55	42	49	-6	40	44	16	0	RA	0		0.0	0.01	29.25	30.02	7.5	33	8.9	21	01	18	01	13	
14	61	38	50	-6	40	45	15	0		0		0.0	0.00	29.28	30.04	4.0	33	9.0	23	31	18	32	14	
15	72	35	54	-2	46	51	11	0	RA	0		0.0	0.06	29.14	29.89	10.7	20	11.4	36	21	29	20	15	
16	62	37	50	-7	44	47	15	0	RA BR	0		0.0	T	29.17	29.93	4.9	05	9.9	24	04	20	04	16	
17	49	31	40*	-17	29	36	25	0		0		0.0	0.00	29.43	30.20	8.4	04	9.9	28	01	23	01	17	
18	52	30	41	-16	29	35	24	0		0		0.0	0.00	29.45	30.23	3.9	02	8.1	24	02	16	12	18	
19	50	31	41	-17	30	36	24	0	RA	0		0.0	T	29.55	30.32	5.1	08	6.7	18	02	15	06	19	
20	51	30	41	-17	26	35	24	0		0		0.0	0.00	29.66	30.44	3.1	06	7.3	20	06	17	05	20	
21	63	30*	47	-11	34	42	18	0		0		0.0	0.00	29.55	30.32	7.9	19	8.4	21	18	16	15	21	
22	70	38	54	-5	41	48	11	0		0		0.0	0.00	29.32	30.08	13.7	19	14.3	30	18	24	16	22	
23	76	46	61	2	52	57	4	0	RA	0		0.0	0.03	29.03	29.78	9.0	22	14.2	32	05	28	05	23	
24	55	39	47	-12	33	41	18	0		0		0.0	0.00	29.38	30.14	10.0	05	11.5	22	02	20	01	24	
25	44	38	41	-19	38	40	24	0	RA BR	0		0.0	0.83	29.28	30.05	4.3	05	7.9	20	01	17	01	25	
26	74	39	57	-3	50	53	8	0	RA BR	0		0.0	0.19	29.23	29.99	7.4	23	11.2	31	24	24	22	26	
27	71	53	62	2	56	58	3	0	RA BR	0		0.0	0.13	29.28	30.04	3.6	13	5.0	17	14	15	15	27	
28	78	47	63	3	54	58	2	0	BR HZ	0		0.0	0.00	29.25	30.00	4.9	12	6.8	21	14	16	15	28	
29	75	56	66	5	61	62	0	1	RA FG BR HZ	0		0.0	0.11	29.11	29.86	1.1	15	2.3	10	15	9	06	29	
30	80	56	68	7	64	66	0	3	TS TSRA RA FG+ BR HZ	0		0.0	0.28	28.94	29.68	7.4	19	8.3	40	21	29	19	30	
31	82*	62	72*	11	54	62	0	7		0		0.0	0.00	28.92	29.66	10.3	28	11.2	24	30	17	26	31	
60.8 40.2 50.5 ■■										< MONTHLY AVERAGES TOTALS->			T	2.81	29.26	30.02	0.8	12	10.3	<- MONTHLY AVERAGES				
-7.2 -4.5 -5.9 ■■										<-----DEPARTURE FROM NORMAL----->		0.06		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.83 DATE :25				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: T DATE :02				MAXIMUM : 30.49 20 0756											
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :				MINIMUM : 29.48 09 0356											
HEATING: 453 135 7007 -989									NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32 : 7		PRECIPITATION ≥ 0.01 INCH : 15									
COOLING: 11 -13 20 -7											MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 10									
											THUNDERSTORMS : 4		HEAVY FOG : 1		SNOWFALL ≥ 1.0 INCH : 0									

MAY 2002
GREEN BAY, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

GREEN BAY, WI

MAY 2002

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	T												01				T	T	T	0.02	0.02	0.04	0.09	0.08	0.05	01		0.30					
02													02													02		T					
03													03							T						03		0.00					
04													04													04		T					
05													05													05		0.00					
06	0.06	T 0.01	T T	0.03	T								06					0.02	.20	T	T					06		0.31					
07																07													07	0.01			
08												0.01	T			T	08									0.01		0.24	08	0.26			
09						T	0.02	0.01	0.01	T	T	0.01	0.07				09								T	T				09	0.12		
10																	10														10	0.00	
11	0.05	T	T										11	T	T	0.01	T	T				T	0.01	0.04	0.05	11		0.11					
12										0.01	T	T	T	T	12	T				T	T	T	T			12		0.06					
13															13			T		0.01					T			13	0.01				
14									T						14													14	0.00				
15															15					T			0.01		0.05			15	0.06				
16											T		16												16	T							
17													17												17	0.00							
18													18												18	0.00							
19													19												19	T							
20													20								T				20	0.00							
21													21												21	0.00							
22													22												22	0.00							
23													23						0.03						23	0.03							
24													24												24	0.00							
25								0.03	0.07	0.15	0.16	0.18	0.13	25	0.10	0.01	T								25	0.83							
26	0.06	0.01		T	0.01	0.03	0.02						26				T	T		0.01	T	0.09	0.01	0.07	0.01	26		0.19					
27																		27	T	T											27	0.13	
28																			28													28	0.00
29									0.01	0.10	T				T	T			29													29	0.11
30																			30	0.02	0.09	0.09	0.08									30	0.28
31													31												31	0.00							

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.09	.12	.13	.15	.16	.16	.20	.24	.30	.36	.43	.51
Ending Date	30	30	30	30	30	30	25	25	25	25	25	25
Ending Time (Hour/Min)	1500	1501	1501	1501	1501	1501	1116	1116	1058	1112	1116	1105

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		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unknown Precipitation		
Intensity (as indicated on pages 4 to 6): '+' = Heavy ' ' = Moderate '–' = Light			

GREEN BAY, WI MAY 2002

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	359	42					4.00	10.00	
02	427	50					.50	10.00	
03	397	46					10.00	10.00	
04	681	79					10.00	10.00	
05	714	83					9.00	10.00	
06	660	76					1.50	10.00	
07	521	60					2.50	10.00	
08	0	0					.75	10.00	
09	54	6					1.25	10.00	
10	730	83					10.00	10.00	
11	14	2					4.00	10.00	
12	0	0					1.50	10.00	
13	53	6					10.00	10.00	
14	432	49					10.00	10.00	
15	276	31					2.50	10.00	
16	464	52					6.00	10.00	
17	456	51					10.00	10.00	
18	247	28					10.00	10.00	
19	130	15					7.00	10.00	
20	786	87					10.00	10.00	
21	900	100					8.00	10.00	
22	465	52					7.00	10.00	
23	560	62					9.00	10.00	
24	378	42					10.00	10.00	
25	2	0					2.00	10.00	
26	499	55					3.00	10.00	
27	142	16					1.50	10.00	
28	782	86					1.75	10.00	
29	178	19					.50	6.00	
30	70	8					.25	10.00	
31	850	93					10.00	10.00	
MONTHLY AVGS							6.01	9.87	
SUNSHINE (MINUTES)									
Total: 12227 Possible: 27523									
Percent Possible: 44									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
1 11 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

MAY 2002

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	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: 0443 MAY 01						SUNSET: 1856						SUNRISE: 0435 MAY 07						SUNSET: 1903											
03	BKN	100			10.00	44	33	39	65	13	04	29.05	29.81	03	OVC	012				47	45	46	93	13	01	29.21	29.96		
06	OVC	075			10.00	44	34	40	68	9	06	29.09	29.85	06	CLR	NC				44	38	41	79	12	35	29.32	30.09		
09	CLR	NC			10.00	50	36	44	59	7	08	29.07	29.83	09	OVC	024				47	38	43	71	14	02	29.40	30.17		
12	CLR	NC			10.00	53	38	46	57	13	05	29.03	29.79	12	OVC	032				51	41	46	69	13	05	29.44	30.22		
15	CLR	NC			10.00	51	38	45	61	13	05	28.99	29.75	15	CLR	NC				54	40	47	59	12	07	29.41	30.18		
18	OVC	038			7.00	46	36	42	68	12	06	28.95	29.71	18	FEW	NC				49	39	44	69	12	11	29.42	30.19		
21	OVC	032			5.00	43	40	42	89	0	00	28.93	29.68	21	CLR	NC				45	33	40	63	14	06	29.46	30.23		
24	OVC	029			7.00	42	40	41	92	0	00	28.92	29.68	24	FEW	NC				43	24	36	47	16	08	29.39	30.16		
SUNRISE: 0442 MAY 02						SUNSET: 1857						SUNRISE: 0434 MAY 08						SUNSET: 1904											
03	BKN	065			6.00	39	39	39	100	3	25	28.84	29.59	03	OVC	075				42	32	38	68	15	06	29.33	30.11		
06	OVC	016			9.00	41	38	40	89	13	28	28.87	29.63	06	OVC	023				45	37	41	74	12	09	29.29	30.05		
09	OVC	025			10.00	41	32	37	70	20	31	28.90	29.66	09	OVC	029			-RA	46	40	43	79	8	11	29.24	30.01		
12	BKN	060			10.00	46	28	39	50	21	28	28.92	29.68	12	OVC	027				49	42	46	77	15	13	29.18	29.94		
15	SCT	NC			10.00	46	28	39	50	18	29	28.93	29.70	15	OVC	017				52	46	49	80	13	14	29.11	29.87		
18	SCT	NC			10.00	46	23	37	40	18	28	28.96	29.72	18	OVC	009			4.00 BR	51	48	50	89	16	15	29.03	29.79		
21	CLR	NC			10.00	40	25	34	55	10	31	29.05	29.82	21	OVC	003			2.00 BR	49	48	48	97	14	12	28.93	29.69		
24	CLR	NC			10.00	36	27	33	70	12	30	29.12	29.88	24	OVC	005			4.00 -TSRA BR	52	48	50	86	13	16	28.84	29.59		
SUNRISE: 0440 MAY 03						SUNSET: 1858						SUNRISE: 0432 MAY 09						SUNSET: 1905											
03	CLR	NC			10.00	34	27	31	76	10	30	29.19	29.96	03	OVC	003			2.50 -RA BR	50	50	50	100	5	13	28.78	29.52		
06	CLR	NC			10.00	34	27	31	76	12	30	29.29	30.06	06	OVC	002			1.25 BR	51	50	51	96	3	23	28.74	29.48		
09	CLR	NC			10.00	46	26	38	46	9	31	29.34	30.12	09	OVC	027				49	43	46	80	16	27	28.83	29.57		
12	CLR	NC			10.00	50	29	41	44	8	20	29.37	30.15	12	SCT	NC				53	38	46	57	29	27	28.88	29.63		
15	CLR	NC			10.00	53	29	43	40	7	VR	29.37	30.14	15	BKN	060				53	32	44	45	29	25	28.97	29.72		
18	CLR	NC			10.00	51	30	42	45	8	20	29.38	30.16	18	FEW	NC				49	29	40	46	23	25	29.02	29.78		
21	CLR	NC			10.00	40	31	36	70	6	16	29.40	30.18	21	SCT	NC				45	31	39	58	23	26	29.09	29.85		
24	CLR	NC			10.00	36	28	33	73	7	21	29.41	30.19	24	CLR	NC				45	28	38	52	24	26	29.12	29.88		
SUNRISE: 0439 MAY 04						SUNSET: 1859						SUNRISE: 0431 MAY 10						SUNSET: 1906											
03	CLR	NC			10.00	33	27	31	78	5	18	29.39	30.17	03	CLR	NC				43	27	37	53	22	26	29.18	29.93		
06	CLR	NC			10.00	37	24	32	60	12	18	29.41	30.18	06	CLR	NC				42	26	36	53	23	28	29.27	30.03		
09	CLR	NC			10.00	53	34	44	49	10	20	29.40	30.17	09	CLR	NC				48	29	40	48	25	29	29.37	30.14		
12	CLR	NC			10.00	61	38	50	43	20	19	29.31	30.07	12	CLR	NC				55	29	44	37	21	27	29.45	30.22		
15	CLR	NC			10.00	65	42	53	44	18	21	29.24	30.00	15	CLR	NC				58	30	45	35	21	28	29.49	30.26		
18	OVC	070			10.00	62	44	53	52	5	20	29.22	29.98	18	CLR	NC				57	30	45	36	10	28	29.52	30.29		
21	OVC	060			10.00	58	46	52	65	14	35	29.30	30.06	21	CLR	NC				46	32	40	58	5	26	29.58	30.35		
24	CLR	NC			10.00	47	41	44	80	10	36	29.38	30.14	24	CLR	NC				46	30	39	54	3	11	29.61	30.38		
SUNRISE: 0438 MAY 05						SUNSET: 1900						SUNRISE: 0430 MAY 11						SUNSET: 1908											
03	OVC	019			10.00	43	37	40	80	7	36	29.44	30.21	03	CLR	NC				41	30	37	65	0	00	29.61	30.38		
06	CLR	NC			10.00	40	35	38	83	3	36	29.51	30.28	06	CLR	NC				43	37	40	80	5	08	29.58	30.35		
09	CLR	NC			10.00	50	33	43	52	12	11	29.50	30.26	09	FEW	NC				52	34	44	50	15	15	29.62	30.39		
12	CLR	NC			10.00	54	31	44	42	8	16	29.45	30.22	12	BKN	070				53	32	44	45	15	13	29.61	30.38		
15	CLR	NC			10.00	60	39	50	46	9	18	29.34	30.11	15	OVC	036			7.00 -RA	46	40	43	79	15	15	29.54	30.31		
18	CLR	NC			10.00	59	42	50	54	9	14	29.24	30.00	18	OVC	017			8.00	44	40	42	85	12	11	29.49	30.27		
21	CLR	NC			10.00	50	41	46	71	7	11	29.18	29.94	21	OVC	009			4.00 -RA BR	42	40	41	92	17	09	29.40	30.17		
24	OVC	100			9.00	49	42	46	77	14	36	29.17	29.92	24	OVC	010			5.00 -RA BR	42	40	41	92	10	09	29.34	30.11		
SUNRISE: 0436 MAY 06						SUNSET: 1902						SUNRISE: 0429 MAY 12						SUNSET: 1909											
03	BKN	095			9.00 -RA	44	42	43	93	5	13	29.12	29.88	03	OVC	007				42	40	41	92	12	08	29.27	30.03		
06	CLR	NC			2.50 BR	47	45	46	93	5	36	29.08	29.84	06	OVC	007			2.50 BR	42	41	42	96	14	03	29.24	30.01		
09	OVC	004			5.00 BR	48	46	47	93	10	06	29.09	29.85	09	OVC	004			2.00 -RA BR	43	42	43	97	16	04	29.25	30.01		
12	CLR	NC			7.00	59	52	55	78	9	02	29.05	29.80	12	OVC	006			2.00 -RA BR	42	41	42	96	15	03	29.29	30.06		
15	FEW	NC			7.00	61	53	57	75	10	05	29.01	29.77	15	OVC	008				43	41	42	93	13	01	29.29	30.06		
18	BKN	080			4.00 BR	52	50	51	94	18	03	29.01		18	OVC	007			2.00 -RA BR	42	41	42	96	21	04	29.31	30.08		
21	BKN	006			4.00 BR	48	47	47	96	10	36	29.09	29.85	21	OVC	008			4.00 -RA BR	42	41	42	96	15	01	29.33	30.10		
24	OVC	006			7.00	51	48																						

OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

MAY 2002

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	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: 0427		MAY 13	SUNSET: 1910										SUNRISE: 0421		MAY 19	SUNSET: 1917										
03	OVC	050			10.00	42	37	40	82	10	35	29.29	30.05	03	CLR	NC				10.00	32	31	32	96	0	00	29.48	30.26	
06	OVC	065			10.00	43	38	41	82	8	34	29.31	30.08	06	FEW	NC				10.00	36	33	35	89	3	13	29.51	30.29	
09	OVC	070			10.00	47	39	43	74	12	36	29.29	30.05	09	BKN	080				10.00	46	29	39	51	7	VR	29.52	30.30	
12	OVC	050			10.00	49	41	45	74	9	32	29.26	30.02	12	BKN	060				10.00	48	28	40	46	5	VR	29.52	30.30	
15	OVC	100			10.00	52	42	47	69	13	28	29.22	29.98	15	OVC	048				10.00	46	31	40	56	10	12	29.55	30.33	
18	FEW	NC			10.00	52	41	47	66	5	02	29.21	29.97	18	OVC	045				10.00	42	32	38	68	8	08	29.57	30.35	
21	OVC	085			10.00	48	43	46	83	7	27	29.21	29.97	21	OVC	080				10.00	39	27	34	62	9	09	29.61	30.39	
24	CLR	NC			10.00	45	40	43	83	6	30	29.20	29.96	24	OVC	032				10.00	38	28	34	68	12	06	29.64	30.42	
			SUNRISE: 0426		MAY 14	SUNSET: 1911										SUNRISE: 0420		MAY 20	SUNSET: 1918										
03	CLR	NC			10.00	42	36	39	79	8	31	29.22	29.98	03	SCT	NC				10.00	31	24	28	76	10	01	29.65	30.43	
06	CLR	NC			10.00	43	39	41	86	9	30	29.25	30.01	06	CLR	NC				10.00	34	25	31	70	8	01	29.69	30.47	
09	CLR	NC			10.00	53	44	49	72	15	31	29.28	30.04	09	FEW	NC				10.00	42	24	35	49	9	03	29.71	30.49	
12	BKN	050			10.00	57	43	50	60	8	30	29.29	30.04	12	OVC	050				10.00	44	25	37	47	8	04	29.69	30.47	
15	SCT	NC			10.00	57	41	49	55	6	06	29.28	30.04	15	CLR	NC				10.00	50	28	41	43	6	VR	29.64	30.42	
18	CLR	NC			10.00	57	41	49	55	8	05	29.29	30.05	18	CLR	NC				10.00	50	26	40	39	10	14	29.61	30.39	
21	CLR	NC			10.00	43	37	40	80	7	13	29.32	30.09	21	CLR	NC				10.00	38	30	35	73	7	17	29.62	30.40	
24	CLR	NC			10.00	38	35	37	89	5	16	29.33	30.10	24	CLR	NC				10.00	36	27	33	70	0	00	29.63	30.41	
			SUNRISE: 0425		MAY 15	SUNSET: 1912										SUNRISE: 0419		MAY 21	SUNSET: 1919										
03	CLR	NC			10.00	37	35	36	93	0	00	29.32	30.08	03	CLR	NC				10.00	31	27	29	85	5	26	29.63	30.41	
06	CLR	NC			10.00	43	38	41	82	9	19	29.29	30.06	06	CLR	NC				10.00	36	32	34	86	5	17	29.64	30.42	
09	CLR	NC			10.00	59	46	52	62	13	17	29.24	30.00	09	CLR	NC				10.00	51	33	43	50	12	20	29.62	30.40	
12	CLR	NC			10.00	68	48	57	49	22	19	29.13	29.88	12	CLR	NC				10.00	57	37	48	47	8	21	29.57	30.34	
15	CLR	NC			10.00	72	49	59	44	26	21	29.01	29.77	15	CLR	NC				10.00	62	37	50	40	9	22	29.50	30.27	
18	OVC	110			10.00	69	50	58	51	13	21	29.01	29.76	18	CLR	NC				10.00	61	35	49	38	12	20	29.45	30.22	
21	SCT	NC			10.00	64	53	58	68	10	21	28.99	29.75	21	CLR	NC				10.00	48	35	42	61	12	18	29.45	30.22	
24	CLR	NC			10.00	59	53	56	81	6	21	28.98	29.73	24	CLR	NC				10.00	44	36	40	73	7	19	29.46	30.22	
			SUNRISE: 0424		MAY 16	SUNSET: 1913										SUNRISE: 0418		MAY 22	SUNSET: 1920										
03	CLR	NC			10.00	60	55	57	84	12	24	29.00	29.75	03	CLR	NC				10.00	44	37	41	76	7	21	29.46	30.23	
06	CLR	NC			7.00	59	56	57	90	3	25	29.03	29.78	06	CLR	NC				9.00	45	37	41	74	10	18	29.47	30.24	
09	OVC	009			10.00	48	44	46	86	21	04	29.11	29.86	09	CLR	NC				10.00	56	40	48	55	18	20	29.42	30.19	
12	OVC	011			10.00	48	44	46	86	13	05	29.17	29.92	12	CLR	NC				10.00	64	42	53	45	16	20	29.36	30.12	
15	CLR	NC			10.00	54	44	49	69	10	06	29.19	29.95	15	CLR	NC				10.00	70	45	56	41	22	18	29.23	29.99	
18	FEW	NC			10.00	48	39	44	71	12	10	29.26	30.01	18	CLR	NC				10.00	61	43	52	52	17	17	29.17	29.93	
21	CLR	NC			10.00	38	33	36	83	3	10	29.35	30.13	21	CLR	NC				10.00	56	42	49	60	9	18	29.18	29.93	
24	CLR	NC			10.00	37	28	34	70	10	01	29.39	30.17	24	CLR	NC				10.00	60	42	51	52	18	20	29.12	29.87	
			SUNRISE: 0423		MAY 17	SUNSET: 1914										SUNRISE: 0417		MAY 23	SUNSET: 1921										
03	CLR	NC			10.00	34	27	31	76	5	33	29.41	30.18	03	BKN	110				10.00	57	45	51	64	13	21	29.08	29.83	
06	CLR	NC			10.00	37	29	34	73	10	01	29.42	30.19	06	CLR	NC				9.00	57	48	52	72	15	21	29.06	29.81	
09	BKN	043			10.00	43	27	37	53	14	04	29.48	30.25	09	CLR	NC				9.00	66	53	59	63	17	22	29.03	29.78	
12	BKN	045			10.00	46	31	40	56	15	06	29.44	30.22	12	CLR	NC				10.00	72	58	63	61	16	23	28.97	29.72	
15	CLR	NC			10.00	48	31	41	52	14	05	29.39	30.17	15	CLR	NC				10.00	76	59	65	56	24	21	28.94	29.68	
18	OVC	034			10.00	45	31	39	58	12	10	29.40	30.18	18	CLR	NC				10.00	71	62	65	73	8	24	28.95	29.70	
21	BKN	060			10.00	37	30	34	76	7	04	29.43	30.21	21	CLR	NC				10.00	60	49	54	67	7	30	29.04	29.79	
24	CLR	NC			10.00	34	30	32	85	6	34	29.41	30.19	24	CLR	NC				10.00	46	41	44	83	14	05	29.19	29.94	
			SUNRISE: 0422		MAY 18	SUNSET: 1916										SUNRISE: 0417		MAY 24	SUNSET: 1922										
03	CLR	NC			10.00	31	26	29	82	9	02	29.43	30.21	03	OVC	034				10.00	46	34	41	63	14	03	29.25	30.00	
06	CLR	NC			10.00	33	26	30	75	12	34	29.47	30.25	06	OVC	046				10.00	42	32	38	68	15	02	29.34	30.11	
09	SCT	NC			10.00	41	28	36	60	7	03	29.48	30.26	09	BKN	035				10.00	47	33	41	59	12	36	29.39	30.15	
12	FEW	NC			10.00	48	29	40	48	10	33	29.45	30.23	12	CLR	NC				10.00	50	34	43	54	7	02	29.41	30.18	
15	OVC	070			10.00	50	28	41	43	9	04	29.42	30.20	15	CLR	NC				10.00	54	33	45	45	12	06	29.41	30.19	
18	OVC	095			10.00	44	33	39	65	10	13	29.43	30.21																

OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

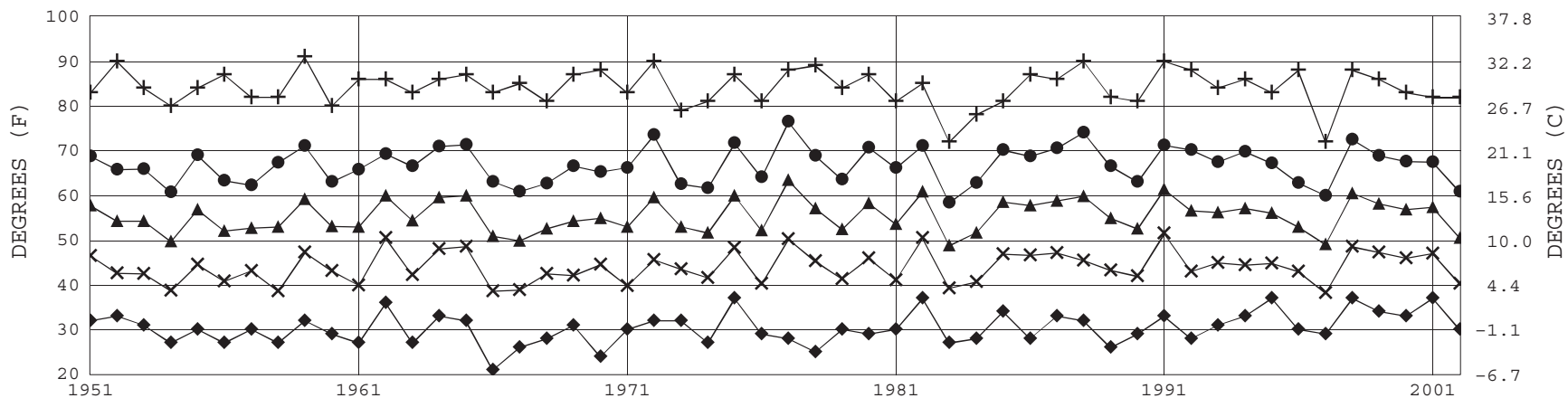
MAY 2002

GRB

WBAN # 14898

HOUR (LST)	SKY COVER		CEILING 100'S OFF	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 OFF	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: 0416 MAY 25 SUNSET: 1923										42	31	37	65	8	08	29.35	30.12	03	CLR	NC				10.00		67	59	62	76	10	30	28.82	29.55				
06	OVC	023						10.00		43	35	40	74	9	07	29.31	30.07	06	CLR	NC						10.00		66	57	61	73	8	29	28.90	29.64		
09	OVC	032						3.00	RA BR	41	39	40	93	9	05	29.26	30.03	09	CLR	NC						10.00		74	56	63	54	13	32	28.95	29.69		
12	OVC	014						4.00	RA BR	40	38	39	93	15	02	29.23	30.00	12	CLR	NC						10.00		78	52	63	40	15	30	28.97	29.71		
15	OVC	011						10.00		43	40	42	89	10	04	29.22	29.99	15	CLR	NC						10.00		81	50	63	34	16	27	28.94	29.68		
18	OVC	015						10.00		44	41	43	89	7	29	29.26	30.02	18	CLR	NC						10.00		78	52	63	40	13	26	28.93	29.67		
21	CLR	NC						10.00		41	40	41	96	5	20	29.27	30.03	21	CLR	NC						10.00		70	50	59	49	8	25	28.96	29.70		
24	CLR	NC						9.00		40	38	39	93	9	18	29.27	30.03	24	CLR	NC						10.00		64	50	56	61	9	28	28.98	29.72		
SUNRISE: 0415 MAY 26 SUNSET: 1924										40	38	39	93	7	19	29.24	30.01	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	CLR	NC						6.00	BR	49	46	47	90	13	21	29.25	30.01	SUMMARY BY HOUR										AVERAGES									
06	CLR	NC						6.00	BR	61	52	56	72	14	23	29.23	29.98	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	CLR	NC						10.00		71	55	62	57	22	23	29.19	29.95																				
12	CLR	NC						10.00		73	49	59	43	18	23	29.17	29.92	01			45	39	42	82	29.25	30.01	8.47	8	1	36							
15	SCT	NC						10.00		61	56	58	84	5	34	29.23	29.98	02			44	39	42	82	29.25	30.01	8.18	8	1	1							
18	OVC	095						10.00		71	55	62	57	22	23	29.19	29.95	03			44	38	41	82	29.25	30.01	8.47	8	2	35							
21	OVC	060						7.00	-RA	61	56	58	84	5	34	29.23	29.98	04			43	38	41	84	29.25	30.02	8.39	7	2	34							
24	OVC	050						6.00	-RA BR	57	56	56	96	6	VR	29.26	30.01	05			43	38	41	85	29.26	30.02	7.81	7	2	35							
SUNRISE: 0414 MAY 27 SUNSET: 1925										56	55	55	97	9	34	29.29	30.03	06			45	40	43	81	29.27	30.03	7.81	9	2	32							
03	SCT	NC						3.00	BR	55	54	54	96	3	17	29.23	29.98	07			48	40	45	75	29.28	30.04	8.10	10	3	33							
06	OVC	027						1.75	RA BR	55	55	55	100	5	04	29.26	30.01	08			50	40	46	71	29.28	30.05	8.35	11	2	35							
09	FEW	NC						7.00		61	58	59	90	3	22	29.30	30.05	09			52	41	47	67	29.28	30.04	8.80	12	2	33							
12	SCT	NC						10.00		64	58	60	81	8	06	29.32	30.07	10			54	41	48	64	29.28	30.05	8.98	11	2	28							
15	BKN	060						10.00		71	60	64	68	13	14	29.29	30.04	11			55	41	49	61	29.28	30.04	9.05	12	1	25							
18	CLR	NC						10.00		67	56	61	68	7	14	29.29	30.04	12			56	42	49	60	29.27	30.03	9.19	13	2	25							
21	CLR	NC						10.00		59	54	56	83	3	10	29.30	30.06	13			57	41	49	58	29.26	30.02	9.06	13	1	23							
24	CLR	NC						6.00	BR	54	50	52	87	5	09	29.32	30.07	14			58	42	50	56	29.25	30.01	9.45	13	2	19							
SUNRISE: 0414 MAY 28 SUNSET: 1926										50	47	48	89	5	04	29.32	30.08	15			59	42	51	57	29.24	30.00	9.35	13	4	20							
03	CLR	NC						4.00	BR	53	52	52	96	0	00	29.32	30.08	16			58	42	50	58	29.23	29.99	9.58	12	2	19							
06	CLR	NC						2.00	BR	68	57	62	68	7	10	29.30	30.05	17			57	42	50	60	29.23	29.99	9.42	12	2	13							
09	CLR	NC						9.00		76	57	64	52	8	16	29.28	30.03	18			56	42	49	60	29.27	30.03	9.19	13	2	25							
12	CLR	NC						10.00		76	58	65	54	12	16	29.21	29.96	19			53	42	48	69	29.23	29.99	8.98	9	3	13							
15	CLR	NC						10.00		72	56	62	57	8	15	29.18	29.93	20			51	41	46	72	29.24	30.00	9.06	9	3	15							
18	CLR	NC						9.00		63	54	58	73	8	12	29.17	29.92	21			49	41	45	75	29.25	30.01	8.55	8	1	13							
21	CLR	NC						6.00	HZ	57	52	54	83	0	00	29.15	29.90	22			48	41	45	77	29.25	30.01	8.44	9	1	10							
24	CLR	NC						6.00	HZ	63	62	63	93	0	00	29.09	29.84	23			47	40	44	79	29.25	30.01	8.50	9	2	9							
SUNRISE: 0413 MAY 29 SUNSET: 1927										57	56	56	96	3	10	29.11	29.86	24			47	39	43	78	29.25	30.01	8.71	8	1	35							
03	OVC	085						1.75	-RA BR	57	56	56	96	3	10	29.11	29.86	AVERAGES										RESULTANT WIND (MPH)									
06	OVC	060						0.75	BR	58	57	57	97	0	00	29.12	29.87	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	OVC	055						1.75	BR	63	61	62	93	0	00	29.12	29.87																				
12	OVC	030						2.00	BR	66	62	64	87	5	07	29.13	29.88	01			45	39	42	82	29.25	30.01	8.47	8	1	36							
15	FEW	NC						5.00	HZ	74	64	68	71	6	18	29.10	29.84	02			44	39	42	82	29.25	30.01	8.18	8	1	1							
18	CLR	NC						6.00	HZ	74	63	67	69	0	00	29.08	29.83	03			44	38	41	82	29.25	30.01	8.47	8	2	35							
21	CLR	NC						3.00	BR	64	62	63	93	0	00	29.09	29.84	04			43	38	41	84	29.25	30.02	8.39	7	2	34							
24	CLR	NC						1.00	BR	58	58	58	100	0	00	29.08	29.83	05			43	38	41	85	29.26	30.02	7.81	7	2	35							
SUNRISE: 0412 MAY 30 SUNSET: 1928										57	56	56	96	3	10	29.11	29.86	06			45	40	43	81	29.27	30.03	7.81	9	2	32							
03	CLR	NC						1.25	BR	58	57	57	97	0	00	29.05	29.80	07			48	40	45	75	29.28	30.04	8.10	10	3	33							
06	CLR	NC						1.25	BR	62	61	61	96	5	17	29.04	29.78	08			50	40	46	71	29.28	30.05	8.35	11	2	35							
09	FEW	NC						6.00	HZ																												

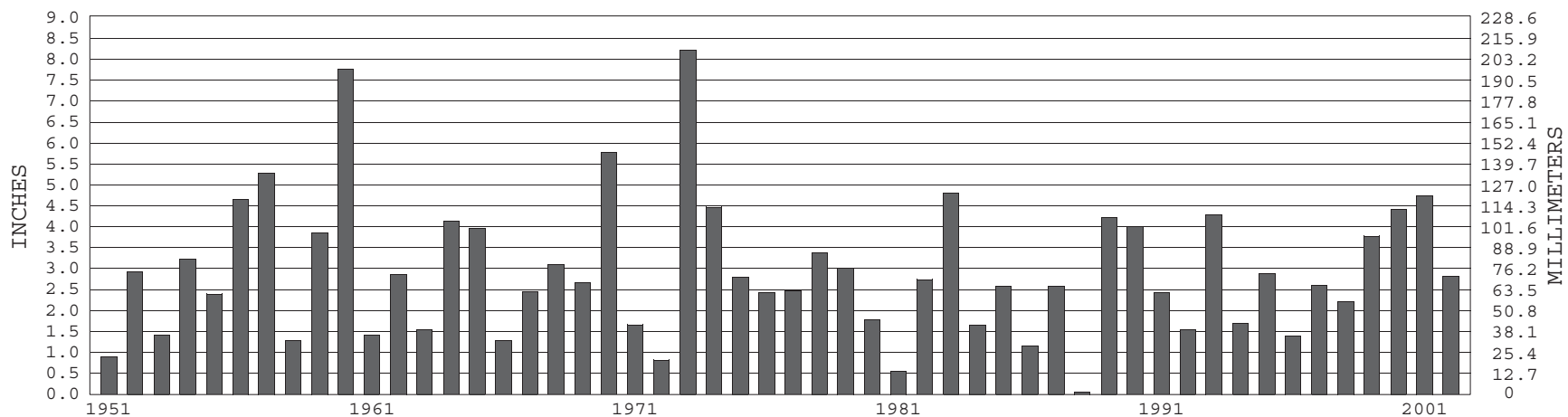
GREEN BAY, WI MAY TEMPERATURES



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

Long-Term (1951-2002) Mean: 55.4 1961-1990 Normal: 56.4

GREEN BAY, WI MAY PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 2.94

1961-1990 Normal: 2.75



MAY 2002

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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