



OCTOBER 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	83*	58	71*	17			0	6		0		0.0	0.00					9.5	20	20	16	20	01					
02	63	46	55	2	49	51	10	0	RA BR	0		0.0	0.19	29.33	30.09	9.8	03	10.2	18	02	15	02	02					
03	59	43	51	-2	47	50	14	0	RA BR	0		0.0	0.01	29.30	30.07	5.2	05	7.9	14	05	12	13	03					
04	67	47	57	5	55	57	8	0	TSRA RA BR VCTS	0		0.0	1.17	28.78	29.52	7.8	23	14.4	39*	30	30*	30	04					
05	57	41	49	-3	40	45	16	0	RA	0		0.0	0.06	29.32	30.09	5.3	26	7.9	21	27	17	27	05					
06	63	39	51	0	45	49	14	0	RA	0		0.0	0.08	29.08	29.83	9.3	25	15.9	38	27	29	27	06					
07	52	33	43	-8	33	39	22	0	RA	0		0.0	0.02	29.41	30.18	6.4	27	7.5	20	28	14	22	07					
08	61	43	52	1	45	48	13	0	RA BR	0		0.0	0.20	29.27	30.04	8.2	20	9.5	28	20	21	23	08					
09	58	34	46	-4	40	43	19	0	BR	0		0.0	0.00	29.39	30.15	1.5	30	3.8	12	01	10	01	09					
10	59	33	46	-4	44	46	19	0	RA FG+ BR	0		0.0	0.10	29.41	30.18	2.8	15	3.4	14	15	12	14	10					
11	73	40	57	7	48	51	8	0	FG+ MIFG BR	0		0.0	0.00	29.35	30.11	6.1	17	6.4	22	14	17	16	11					
12	61	42	52	3	49	50	13	0	RA BR HZ	0		0.0	0.12	29.27	30.03	4.4	26	7.6	21	32	16	32	12					
13	50	31	41	-8	26	35	24	0		0		0.0	0.00	29.53	30.30	11.1	28	11.7	33	27	28	27	13					
14	58	26	42	-6	31	38	23	0		0		0.0	0.00	29.37	30.15	7.9	18	8.5	26	19	21	18	14					
15	54	30	42	-6	32	39	23	0		0		0.0	0.00	29.19	29.96	6.0	33	8.8	21	33	16	33	15					
16	45	24*	35	-12	22	29	30	0		0		0.0	0.00	29.30	30.07	4.6	34	5.1	20	01	13	01	16					
17	43	27	35	-12	27	32	30	0	SN	0		T	T	29.19	29.97	0.9	28	1.5	12	19	9	20	17					
18	49	29	39	-8	37	39	26	0	RA SN BR	0		0.1	0.25	28.99	29.76	5.1	21	9.0	28	28	21	29	18					
19	50	32	41	-5	33	38	24	0	RA	0		0.0	T	29.16	29.93	11.1	29	11.4	28	30	22	30	19					
20	46	31	39	-7	26	34	26	0	SN BR	0		0.1	0.01	29.35	30.12	6.5	29	7.6	24	30	20	32	20					
21	43	32	38	-7	35	36	27	0	RA SN BR	T		1.2	0.83	29.35	30.13	1.6	04	4.7	16	31	14	30	21					
22	39	32	36	-9	34	35	29	0	RA SN BR UP	0		0.4	0.04	29.52	30.30	11.9	35	12.6	24	01	21	01	22					
23	43	29	36	-9	27	32	29	0	SN	T		T	T	29.73	30.52	6.4	36	6.8	18	01	15	01	23					
24	41	31	36	-8	31	34	29	0		0		0.0	0.00	29.63	30.41	2.9	06	3.6	10	07	9	07	24					
25	42	33	38	-6	38	39	27	0	RA BR	0		0.0	0.18	29.34	30.11	5.0	11	5.2	18	12	15	13	25					
26	47	37	42	-1	33	38	23	0	BR	0		0.0	0.00	29.29	30.06	7.2	29	9.3	25	27	21	30	26					
27	45	29	37	-6	27	33	28	0		0		0.0	0.00	29.47	30.25	6.7	31	7.3	20	33	15	30	27					
28	49	31	40	-2	30	35	25	0		0		0.0	0.00	29.45	30.23	5.0	06	6.6	16	11	13	12	28					
29	46	34	40	-2	31	36	25	0		0		0.0	0.00	29.41	30.19	8.0	09	8.3	16	05	13	06	29					
30	42	37	40	-2	31	35	25	0	HZ	0		0.0	0.00	29.41		3.3	01	4.5	12	02	10	02	30					
31	40	26	33*	-8	25	31	32	0	RA UP	0		0.0	T	29.38		9.2	28	9.4	23	27	20	27	31					
52.5 34.8 43.7 ■■										21.3 0.2		< MONTHLY AVERAGES TOTALS->		1.8 3.26		7.9 <- MONTHLY AVERAGES												
-5.4 -2.1 -3.7 ■■										<-----DEPARTURE FROM NORMAL----->		1.09		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.17 DATE :04					SEA LEVEL PRESSURE DATE TIME														
MONTHLY									GREATEST 24-HR SNOWFALL: 1.2 DATE :21					MAXIMUM														
TOTAL DEPARTURE									GREATEST SNOW DEPTH: T DATE :23+					MINIMUM														
HEATING: 661 121 800 -5									NUMBER OF DAYS WITH →					MAXIMUM TEMP ≥ 90: 0					PRECIPITATION ≥ 0.01 INCH : 14									
COOLING: 6 4 585 122														MAXIMUM TEMP ≤ 32 : 0					PRECIPITATION ≥ 0.10 INCH : 8									
														THUNDERSTORMS : 1					HEAVY FOG : 2					SNOWFALL ≥ 1.0 INCH : 1				

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

GREEN BAY, WI

OCTOBER 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													01												01			0.00	
02									T	T			02		0.02			0.01	T	0.06	0.03	0.02	T	0.02	0.01	0.17	0.19		
03													03				T							0.01	0.03		0.01		
04				0.04	0.09	0.14	0.03	0.01	0.08	0.15	0.44	0.07	0.03	04	0.02	0.01		T		0.01					0.04	1.12	1.17		
05														05								T	0.01	0.02	0.03	0.05	0.06		
06	0.02	T	T	T		T	0.02	0.02						06		T	0.02	T		T						0.06	0.08		
07														07											0.02	0.07	0.02		
08	0.03	0.03	0.02	T	T	0.01	0.08	T	0.02	T	0.01			08									T			0.08	0.20		
09														09												0.09	0.00		
10						T	0.02	0.04	0.03	T				10												0.10	0.10		
11														11													0.00		
12			0.01								T	T		12	0.03	0.02	0.02	0.02	T	T		0.03			0.13	0.12			
13														13													0.00		
14														14													0.00		
15														15													0.00		
16														16													0.00		
17									T					17													T		
18						T	0.02	0.05	0.08	0.09	0.01	T		18													0.25		
19	T													19													T		
20														20										0.01			0.01		
21	0.01	T	0.01	T	0.01	0.04	0.02	0.02	0.06	0.06	0.10	0.09	21	0.09	0.08	0.07	0.01	T		0.01	0.02	0.02	0.01	T	21	0.73	0.83		
22								T	T			T	22	T	T	T	T	T	T	0.01	T	T	T	T	22	0.01	0.04		
23	T												23														T		
24													24														0.00		
25					T	T	0.01	0.01	0.01	0.01	0.01	T	25	0.01	0.01	0.01	T	0.01	0.01	T	0.01	0.01	T	0.01	0.14	0.18			
26													26														0.00		
27													27														0.00		
28													28														0.00		
29													29														0.00		
30													30														0.00		
31	T	T	T	T									31														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.

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 OCTOBER 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	337	48					8.00	10.00	
02	0	0					5.00	10.00	
03	0	0					5.00	10.00	
04	0	0					1.25	10.00	
05	590	85					10.00	10.00	
06	75	11					9.00	10.00	
07	280	41					10.00	10.00	
08	295	43					6.00	10.00	
09	680	100					1.75	10.00	
10	0	0					.25	10.00	
11	247	37					.25	10.00	
12	0	0					4.00	10.00	
13	380	60					10.00	10.00	
14	425	64					10.00	10.00	
15	371	56					10.00	10.00	
16	268	41					10.00	10.00	
17	386	59					10.00	10.00	
18	6	1					1.75	10.00	
19	29	5					10.00	10.00	
20	5	1					3.00	10.00	
21	0	0					1.00	9.00	
22	0	0					4.00	10.00	
23	110	17					10.00	10.00	
24	65	10					10.00	10.00	
25	27	4					1.50	10.00	
26	68	11					2.50	10.00	
27	300	48					10.00	10.00	
28	623	100					10.00	10.00	
29	191	31					10.00	10.00	
30	212	34					5.00	10.00	
31	372	60					9.00	10.00	
MONTHLY AVGS							6.60	9.97	
SUNSHINE (MINUTES)									
Total: 6342 Possible: 20388									
Percent Possible: 31									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
2 8 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

OCTOBER 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: 0550		OCT 01	SUNSET: 1733										SUNRISE: 0558		OCT 07	SUNSET: 1722										
03														03	CLR	NC				10.00	36	32	34	86	9	27	29.34	30.11	
06														06	CLR	NC				10.00	34	30	32	85	9	27	29.41	30.19	
09	CLR	NC			10.00	73	63	67	71	10	22	29.10	29.83	09	CLR	NC				10.00	44	32	39	63	6	28	29.44	30.22	
12	CLR	NC			10.00	80	62	69	54	9	23	29.10	29.83	12	CLR	NC				10.00	51	30	42	45	13	29	29.45	30.22	
15	CLR	NC			10.00	80	64	70	58	7	23	29.11	29.84	15	FEW	NC				10.00	50	28	41	43	7	24	29.40	30.18	
18	CLR	NC			10.00	71	64	67	79	6	20	29.14	29.88	18	BKN	050				10.00	45	32	39	61	5	25	29.40	30.18	
21	CLR	NC			8.00	66	63	64	90	3	24	29.20	29.94	21	OVC	065				10.00	44	39	42	83	0	00	29.41	30.18	
24	CLR	NC			10.00	62	57	59	84	7	05	29.21	29.96	24	OVC	030				10.00	43	40	42	89	5	15	29.41	30.18	
			SUNRISE: 0551		OCT 02	SUNSET: 1731										SUNRISE: 0559		OCT 08	SUNSET: 1721										
03	OVC	039			10.00	61	51	56	70	7	05	29.24	29.98	03	OVC	065				10.00	44	41	43	89	10	15	29.32	30.09	
06	OVC	045			10.00	57	45	51	64	10	04	29.31	30.06	06	OVC	065				9.00	47	42	45	83	9	18	29.30	30.06	
09	OVC	047			10.00	54	47	50	77	13	01	29.35	30.11	09	OVC	050				6.00	47	44	46	90	10	18	29.30	30.06	
12	OVC	016			10.00	55	49	52	80	13	02	29.35	30.11	12	SCT	NC				10.00	58	47	52	67	14	21	29.25	30.01	
15	OVC	055			10.00	54	51	52	90	8	04	29.34	30.10	15	CLR	NC				10.00	59	47	53	64	13	23	29.22	29.98	
18	OVC	016			10.00	53	50	51	89	8	07	29.36	30.12	18	BKN	075				10.00	54	48	51	80	7	23	29.26	30.01	
21	OVC	023			10.00	50	47	48	89	10	04	29.38	30.15	21	CLR	NC				10.00	52	48	50	86	5	21	29.26	30.02	
24	OVC	017			10.00	46	44	45	93	8	03	29.37	30.14	24	SCT	NC				8.00	44	44	44	100	0	00	29.26	30.02	
			SUNRISE: 0553		OCT 03	SUNSET: 1730										SUNRISE: 0600		OCT 09	SUNSET: 1719										
03	OVC	018			10.00	45	41	43	86	10	02	29.38	30.16	03	CLR	NC				6.00	42	41	42	96	3	29	29.30	30.06	
06	FEW	NC			10.00	43	40	42	89	8	01	29.39	30.16	06	CLR	NC				10.00	39	39	39	100	7	30	29.36	30.14	
09	SCT	NC			10.00	50	45	48	83	10	01	29.38	30.15	09	CLR	NC				10.00	48	40	44	74	7	35	29.41	30.18	
12	FEW	NC			10.00	58	50	54	75	9	04	29.33	30.10	12	CLR	NC				10.00	54	39	47	57	5	VR	29.41	30.18	
15	OVC	050			10.00	58	50	54	75	5	07	29.29	30.04	15	CLR	NC				10.00	57	39	48	51	5	29	29.37	30.14	
18	OVC	040			10.00	55	49	52	80	7	13	29.24	30.00	18	CLR	NC				10.00	47	39	43	74	0	00	29.41	30.19	
21	OVC	008			10.00	54	51	52	90	7	14	29.19	29.95	21	CLR	NC				10.00	39	38	39	96	0	00	29.42	30.19	
24	OVC	004			5.00	56	55	55	97	6	14	29.10	29.85	24	CLR	NC				9.00	35	34	35	96	0	00	29.42	30.19	
			SUNRISE: 0554		OCT 04	SUNSET: 1728										SUNRISE: 0601		OCT 10	SUNSET: 1717										
03	OVC	002			4.00	60	59	59	96	10	14	28.93	29.68	03	CLR	NC				1.00	33	33	33	100	0	00	29.41	30.19	
06	OVC	007			6.00	63	62	62	97	9	17	28.81	29.55	06	OVC	085				8.00	42	41	42	96	0	00	29.45	30.23	
09	OVC	010			2.50	66	65	65	96	14	16	28.65	29.39	09	OVC	085				10.00	49	47	48	93	7	14	29.42	30.19	
12	OVC	032			8.00	62	60	61	93	12	20	28.60	29.34	12	OVC	060				10.00	55	43	49	64	10	14	29.42	30.19	
15	SCT	NC			10.00	65	59	61	81	16	20	28.53	29.26	15	OVC	042				10.00	59	49	54	69	7	16	29.38	30.15	
18	OVC	023			10.00	57	52	54	83	29	28	28.68	29.42	18	CLR	NC				10.00	53	49	51	86	5	11	29.37	30.14	
21	BKN	033			10.00	50	42	46	74	20	30	28.94	29.69	21	BKN	060				6.00	48	48	48	100	3	12	29.38	30.16	
24	CLR	NC			10.00	47	40	44	77	9	27	29.10	29.85	24	BKN	065				0.75	44	44	44	100	0	00	29.38	30.15	
			SUNRISE: 0555		OCT 05	SUNSET: 1726										SUNRISE: 0603		OCT 11	SUNSET: 1715										
03	FEW	NC			10.00	45	41	43	86	8	28	29.19	29.94	03	VV	001				0.50	42	42	42	100	0	00	29.38	30.15	
06	CLR	NC			10.00	41	38	40	89	8	27	29.28	30.04	06	CLR	NC				5.00	43	43	43	100	0	00	29.39	30.16	
09	CLR	NC			10.00	49	38	44	66	12	27	29.36	30.13	09	CLR	NC				8.00	59	52	55	78	8	18	29.41	30.17	
12	CLR	NC			10.00	55	37	47	51	13	29	29.38	30.14	12	CLR	NC				10.00	71	51	60	49	12	16	29.36	30.12	
15	CLR	NC			10.00	56	34	46	44	10	26	29.37	30.14	15	CLR	NC				10.00	69	49	58	49	15	17	29.32	30.07	
18	OVC	110			10.00	49	43	46	80	3	18	29.38	30.15	18	CLR	NC				10.00	59	49	54	69	12	14	29.31	30.07	
21	OVC	060			10.00	49	43	46	80	8	15	29.37	30.14	21	CLR	NC				9.00	51	47	49	86	3	17	29.30	30.05	
24	OVC	075			10.00	50	48	49	93	10	14	29.31	30.07	24	CLR	NC				7.00	52	48	50	86	5	19	29.29	30.04	
			SUNRISE: 0556		OCT 06	SUNSET: 1724										SUNRISE: 0604		OCT 12	SUNSET: 1714										
03	BKN	080			10.00	54	50	52	87	15	16	29.22	29.98	03	CLR	NC				6.00	52	50	51	93	6	19	29.26	30.01	
06	OVC	100			10.00	56	47	51	72	12	19	29.08	29.84	06	CLR	NC				4.00	50	49	49	96	8	17	29.22	29.98	
09	OVC	070			10.00	57	48	52	72	16	21	28.99	29.75	09	SCT	NC				5.00	60	55	57	84	10	18	29.19	29.95	
12	OVC	034			10.00	62	50	55	65	14	24	28.96	29.72	12	OVC	055				10.00	58	52	55	81	9	27	29.23	29.99	
15	FEW	NC			10.00	60	51	55	72	15	23	28.92	29.67	15	OVC	030				10.00	53	51	52	93	12	29	29.24	30.00	
18	BKN	046			10.00	51	42	47	71	21	27	29.00	29.75	18	OVC	080				10.00	49	47							

OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

OCTOBER 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 <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: 0605						OCT 13	SUNSET: 1712						SUNRISE: 0613						OCT 19	SUNSET: 1702									
03	OVC	037			10.00		40	31	36	70	13	28	29.43	30.21	03	CLR	NC			10.00		38	33	36	83	12	29	28.99	29.76
06	CLR	NC			10.00		33	28	31	82	13	28	29.51	30.29	06	OVC	032			10.00		40	34	37	79	16	30	29.06	29.83
09	CLR	NC			10.00		40	25	34	55	15	27	29.56	30.34	09	SCT	NC			10.00		44	37	41	76	12	32	29.14	29.91
12	CLR	NC			10.00		46	22	37	38	18	28	29.53	30.30	12	BKN	047			10.00		49	35	43	59	9	26	29.18	29.95
15	SCT	NC			10.00		49	22	38	35	18	27	29.50	30.28	15	FEW	NC			10.00		45	34	40	66	16	28	29.20	29.97
18	CLR	NC			10.00		43	25	36	49	6	25	29.55	30.33	18	OVC	037			10.00		41	31	37	67	9	29	29.25	30.01
21	CLR	NC			10.00		34	27	31	76	5	27	29.57	30.35	21	OVC	048			10.00		39	28	35	65	8	28	29.26	30.03
24	CLR	NC			10.00		31	27	29	85	7	01	29.59	30.37	24	CLR	NC			10.00		33	27	31	78	7	26	29.26	30.03
SUNRISE: 0606						OCT 14	SUNSET: 1710						SUNRISE: 0614						OCT 20	SUNSET: 1700									
03	CLR	NC			10.00		28	25	27	88	0	00	29.58	30.36	03	OVC	041			10.00		36	26	32	67	7	28	29.28	30.05
06	CLR	NC			10.00		26	24	25	92	0	00	29.55	30.33	06	OVC	037			10.00		36	25	32	64	12	27	29.30	30.07
09	CLR	NC			10.00		46	32	40	58	9	18	29.50	30.28	09	CLR	NC			10.00		39	25	34	57	13	29	29.33	30.11
12	CLR	NC			10.00		56	32	45	40	14	20	29.37	30.15	12	BKN	049			10.00		44	25	37	47	15	27	29.34	30.12
15	CLR	NC			10.00		56	33	45	42	13	20	29.27	30.03	15	FEW	NC			10.00		44	24	36	45	9	28	29.35	30.13
18	CLR	NC			10.00		46	35	41	66	9	17	29.23	30.00	18	OVC	070			10.00		40	26	35	58	0	00	29.37	30.15
21	CLR	NC			10.00		43	36	40	76	10	18	29.19	29.96	21	OVC	060			10.00		39	26	34	60	0	00	29.41	30.19
24	OVC	070			10.00		43	33	39	68	8	17	29.13	29.88	24	OVC	012			3.00	-SN BR	33	31	32	92	5	01	29.44	30.22
SUNRISE: 0608						OCT 15	SUNSET: 1708						SUNRISE: 0615						OCT 21	SUNSET: 1658									
03	OVC	090			10.00		47	33	41	59	8	22	29.08	29.84	03	OVC	015			5.00	-SN BR	32	31	32	96	3	05	29.43	30.21
06	SCT	NC			10.00		40	33	37	77	9	30	29.12	29.88	06	OVC	002			3.00	-SN BR	33	32	33	96	5	08	29.41	30.19
09	OVC	040			10.00		46	37	42	71	8	33	29.16	29.93	09	OVC	004			1.00	-SN BR	33	32	33	96	3	05	29.39	30.18
12	OVC	050			10.00		49	33	42	55	10	35	29.18	29.94	12	OVC	014			3.00	RA BR	37	36	37	96	6	11	29.33	30.12
15	FEW	NC			10.00		51	33	43	50	10	36	29.19	29.96	15	OVC	018			3.00	-RA	40	39	40	97	7	15	29.28	30.06
18	OVC	060			10.00		44	32	39	63	6	33	29.26	30.03	18	OVC	020			7.00		41	40	41	96	0	00	29.28	30.05
21	BKN	060			10.00		37	27	33	67	9	01	29.32	30.08	21	OVC	002			6.00	BR	37	37	37	100	8	31	29.30	30.08
24	CLR	NC			10.00		30	24	28	79	7	36	29.32	30.09	24	OVC	002			5.00	BR	34	34	34	100	12	31	29.34	30.12
SUNRISE: 0609						OCT 16	SUNSET: 1707						SUNRISE: 0617						OCT 22	SUNSET: 1657									
03	CLR	NC			10.00		26	21	24	81	7	32	29.32	30.10	03	OVC	004			10.00		35	34	35	96	12	33	29.37	30.15
06	CLR	NC			10.00		25	20	23	81	7	32	29.34	30.12	06	OVC	008			10.00		35	33	34	93	8	33	29.41	30.19
09	CLR	NC			10.00		38	23	32	55	12	01	29.35	30.13	09	OVC	006			10.00		36	35	36	97	12	34	29.46	30.24
12	CLR	NC			10.00		43	20	34	40	9	33	29.32	30.09	12	OVC	008			8.00	-RA	38	35	37	89	13	01	29.51	30.29
15	CLR	NC			10.00		44	21	35	40	7	35	29.27	30.04	15	OVC	023			9.00	-RA	36	34	35	93	15	36	29.54	30.33
18	CLR	NC			10.00		34	25	31	70	0	00	29.26	30.04	18	OVC	008			5.00	-SN BR	34	33	34	97	10	01	29.60	30.39
21	CLR	NC			10.00		26	23	25	88	0	00	29.26	30.03	21	OVC	012			8.00	-SN	33	32	33	96	18	01	29.66	30.45
24	OVC	110			10.00		30	25	28	82	0	00	29.23	30.00	24	OVC	050			9.00	-SN	32	30	31	92	13	01	29.70	30.48
SUNRISE: 0610						OCT 17	SUNSET: 1705						SUNRISE: 0618						OCT 23	SUNSET: 1655									
03	OVC	110			10.00		30	26	29	85	0	00	29.22	29.99	03	OVC	050			10.00		32	27	30	82	9	36	29.72	30.50
06	OVC	070			10.00		31	28	30	89	0	00	29.21	29.98	06	OVC	050			10.00		31	28	30	89	8	36	29.75	30.53
09	OVC	070			10.00		38	25	33	60	0	00	29.22	30.00	09	OVC	050			10.00		35	28	32	76	10	36	29.77	30.56
12	FEW	NC			10.00		41	27	35	57	5	VR	29.18	29.96	12	BKN	050			10.00		41	27	35	57	9	35	29.75	30.53
15	OVC	049			10.00		41	26	35	55	5	25	29.17	29.94	15	FEW	NC			10.00		39	24	33	55	5	34	29.72	30.51
18	CLR	NC			10.00		34	27	31	76	0	00	29.18	29.95	18	BKN	047			10.00		31	27	29	85	5	32	29.72	30.51
21	CLR	NC			10.00		29	26	28	89	0	00	29.19	29.96	21	OVC	060			10.00		31	28	30	89	3	33	29.71	30.50
24	OVC	095			10.00		29	27	28	92	3	30	29.18	29.96	24	OVC	055			10.00		33	28	31	82	3	01	29.70	30.48
SUNRISE: 0611						OCT 18	SUNSET: 1703						SUNRISE: 0619						OCT 24	SUNSET: 1654									
03	BKN	055			8.00		32	31	32	96	0	00	29.16	29.93	03	OVC	060			10.00		32	29	31	88	0	00	29.69	30.48
06	OVC	031			10.00	-RA	36	33	35	89	8	17	29.14	29.91	06	OVC	055			10.00		32	28	31	85	5	36	29.69	30.47
09	OVC	007			4.00	-SN BR	34	33	34	97	12	15	29.04	29.82	09	OVC	048			10.00		36	30	34	79	0	00	29.69	30.47
12	OVC	015			10.00		43	40	42	89	9	19	28.93	29.70	12	OVC	026			10.00		40	31	36	70	6	08	29.65	30.43
15	OVC	021			10.00		48	43	46	83	7	21	28.86	29.63	15	OVC	026			10.00		41	30	37	65	5	06	29.60	30.39
18	FEW	NC			10.00		46	43	45	89	7	20	28.87	29.63	18	OVC	050			10.00		39	32	36	76	3			

OBSERVATIONS AT 3-HOURLY INTERVALS

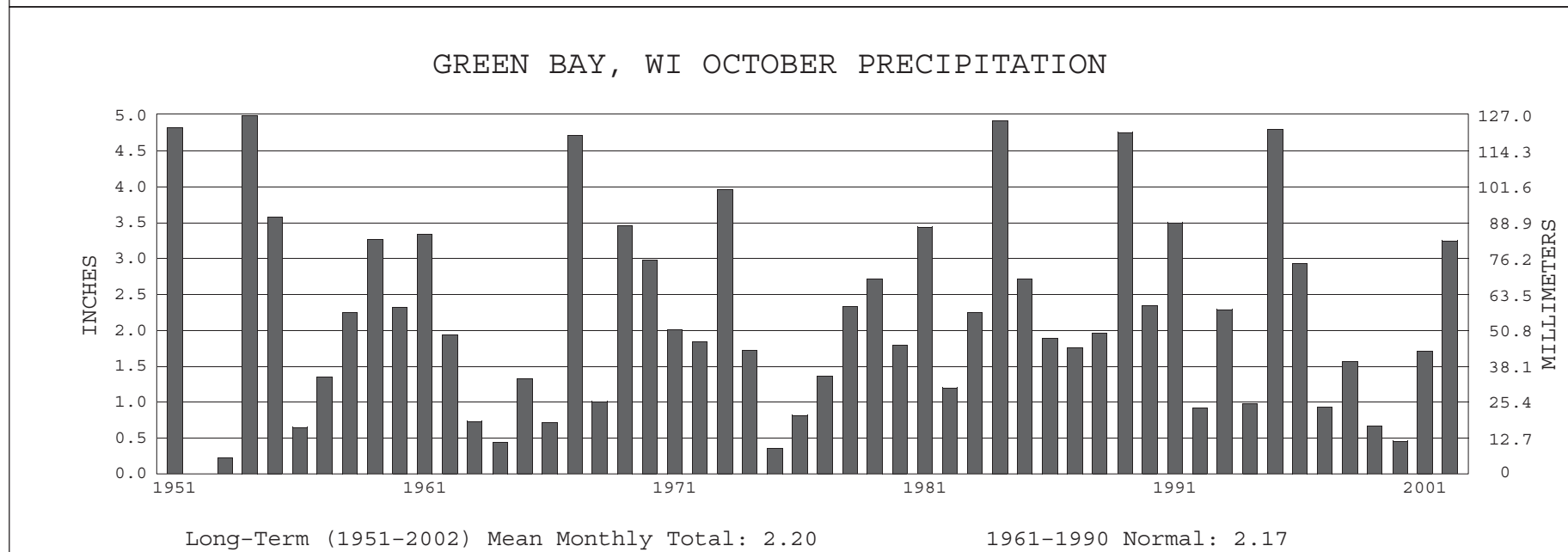
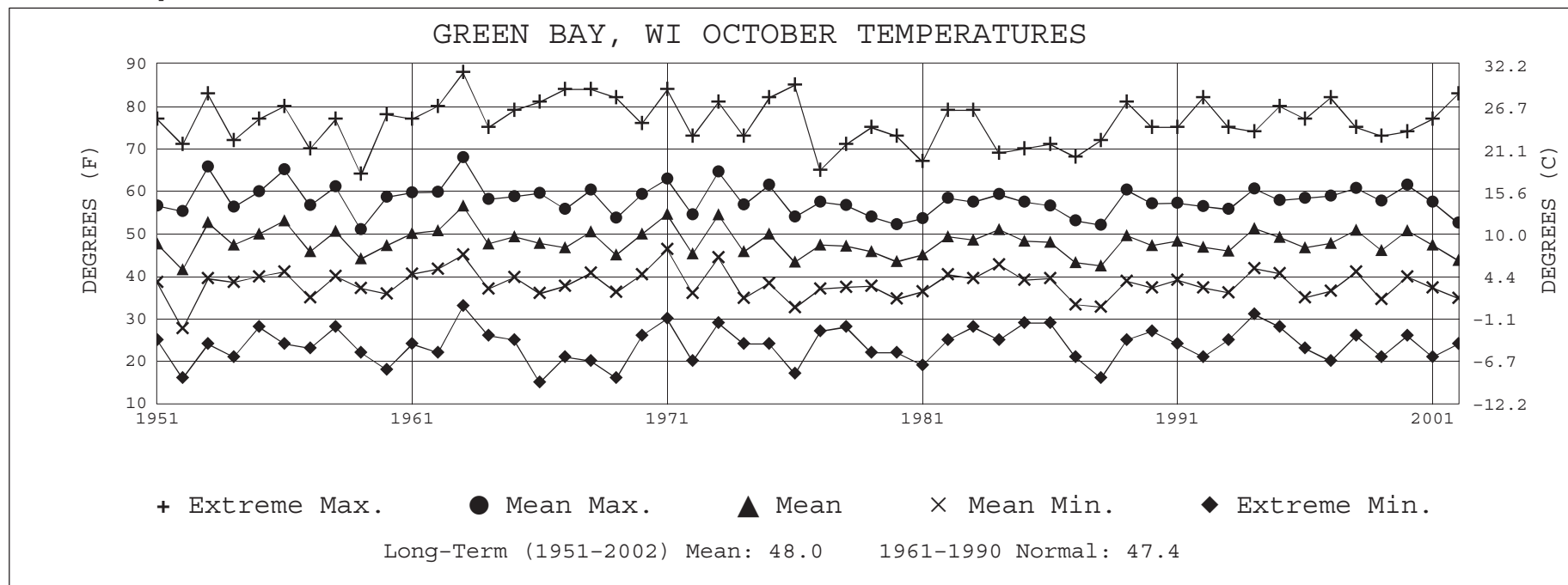
GREEN BAY, WI

OCTOBER 2002

GRB

WBAN # 14898

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
				OBSERVATION TIME (LST)	EFF CLD AMT <small>Okta</small>			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL					OBSERVATION TIME (LST)	EFF CLD AMT <small>Okta</small>			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
SUNRISE: 0621 OCT 25 SUNSET: 1652																																
03	OVC	075				10.00		37	32	35	82	5	08	29.48	30.26	03	OVC	022				9.00	-RA	36	35	36	97	6	33	29.41		
06	OVC	022				10.00	-RA	39	36	38	89	3	10	29.45	30.23	06	OVC	018				10.00		36	34	35	93	5	32	29.41	30.19	
09	OVC	010				9.00	-RA	39	37	38	93	13	12	29.40	30.18	09						10.00		35	29	33	78	10	30	29.41	30.20	
12	OVC	012				10.00	-RA	41	39	40	93	8	11	29.32	30.10	12	CLR	NC				10.00		39	23	33	53	15	26	29.38	30.16	
15	OVC	014				8.00	-RA	41	39	40	93	6	11	29.28	30.05	15	CLR	NC				10.00		39	21	32	48	13	27	29.34	30.12	
18	OVC	013				7.00		41	40	41	96	5	10	29.24	30.01	18	CLR	NC				10.00		31	19	27	61	9	26	29.34	30.12	
21	OVC	006				5.00	-RA BR	42	41	42	96	0	00	29.21	29.98	21	CLR	NC				10.00		30	19	26	64	12	28	29.36	30.15	
24	OVC	022				1.50	BR	41	41	41	100	0	00	29.20	29.97	24	CLR	NC				10.00		27	19	24	72	12	27	29.35	30.14	
SUNRISE: 0622 OCT 26 SUNSET: 1651																																
03						10.00		39	37	38	93	9	29	29.23	30.00	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.																
06	OVC	070				10.00		39	35	37	86	10	31	29.29	30.06																	
09	OVC	014				10.00		46	31	40	56	14	31	29.28	30.05																	
12	BKN	039				10.00		46	31	40	56	13	28	29.29	30.05																	
15	OVC	045				10.00		43	34	39	71	5	25	29.31	30.08																	
18	OVC	045				10.00		40	28	35	63	16	29	29.33	30.11																	
21	OVC	043				10.00		37	27	33	67	13	27	29.38	30.15																	
24	OVC	041				10.00																										
SUNRISE: 0623 OCT 27 SUNSET: 1649																																
03	CLR	NC				10.00		32	27	30	82	8	27	29.43	30.21	SUMMARY BY HOUR																
06	CLR	NC				10.00		30	26	29	85	8	30	29.46	30.24																	
09	CLR	NC				10.00		38	27	34	65	8	33	29.49	30.27																	
12	FEW	NC				10.00		43	26	36	51	9	30	29.48	30.26																	
15	BKN	048				10.00		42	25	35	51	6	31	29.47	30.25																	
18	FEW	NC				10.00		37	28	34	70	5	30	29.48	30.27																	
21	CLR	NC				10.00		35	28	32	76	6	30	29.48	30.26																	
24	SCT	NC				10.00		33	26	30	75	6	34	29.47	30.24																	
SUNRISE: 0625 OCT 28 SUNSET: 1648																																
03	OVC	090				10.00		34	27	31	76	5	34	29.46	30.24																	
06	BKN	100				10.00		32	27	30	82	0	00	29.45	30.23																	
09	CLR	NC				10.00		41	31	37	67	7	02	29.46	30.24																	
12	FEW	NC				10.00		46	32	40	58	9	06	29.44	30.22																	
15	BKN	045				10.00		46	34	41	63	9	11	29.40	30.19																	
18	CLR	NC				10.00		38	31	35	76	7	10	29.44	30.22																	
21	CLR	NC				10.00		33	29	31	85	7	06	29.45	30.23																	
24	CLR	NC				10.00		34	30	32	85	7	10	29.43	30.21																	
SUNRISE: 0626 OCT 29 SUNSET: 1646																																
03	OVC	090				10.00		38	33	36	83	9	10	29.41	30.19																	
06	OVC	095				10.00		37	32	35	82	7	10	29.42	30.20																	
09	OVC	100				10.00		40	28	35	63	9	09	29.44	30.22																	
12	OVC	100				10.00		44	30	38	58	13	10	29.41	30.19																	
15	CLR	NC				10.00		44	31	39	60	13	08	29.36	30.14																	
18	SCT	NC				10.00		38	30	35	73	7	07	29.39	30.17																	
21	SCT	NC				10.00		37	33	35	86	9	05	29.39	30.17																	
24	CLR	NC				10.00		35	30	33	82	6	08	29.39	30.17																	
SUNRISE: 0627 OCT 30 SUNSET: 1645																																
03	CLR	NC				10.00		28	26	27	92	5	35	29.39	30.17																	
06	FEW	NC				10.00		29	27	28	92	5	32	29.41	30.19																	
09	OVC	026				10.00		39	33	37	79	8	36	29.44	30.22																	
12	SCT	NC				10.00		44	32	39	63	3	13	29.41	30.19																	
15	SCT	NC				5.00	HZ	45	31	39	58	7	30	29.37	30.16																	
18																																
21	OVC	041				10.00		39	35	37	86	7	01	29.41																		
24	OVC	017				10.00		38	34	36	86	5	34	29.41																		





OCTOBER 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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