



# JUNE 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	90	51	71	9	51	59	0	6	HZ	0		0.0	0.00	28.97	29.71	5.3	27	10.2	33	05	26	06	01	
02	61	45	53	-9	42	48	12	0	RA BR	0		0.0	0.15	29.22	29.98	8.5	06	11.0	26	05	23	05	02	
03	54	43*	49*	-13	47	48	16	0	TSRA RA BR	0		0.0	1.59	29.22	29.98	9.0	07	9.4	32	12	29	13	03	
04	58	52	55	-8	53	53	10	0	RA BR	0		0.0	0.14	29.11	29.86	5.0	05	6.5	21	05	17	05	04	
05	64	51	58	-5	51	54	7	0	RA BR	0		0.0	0.01	29.24	29.99	2.1	02	4.9	14	02	12	06	05	
06	73	46	60	-3	53	56	5	0	FG+ BR	0		0.0	0.00	29.31	30.07	4.4	18	4.9	17	15	15	15	06	
07	76	52	64	1	56	60	1	0	RA BR HZ	0		0.0	T	29.27	30.03	11.6	19	11.9	28	22	22	20	07	
08	78	60	69	6	61	64	0	4	BR HZ	0		0.0	0.00	29.27	30.02	1.4	19	6.2	15	04	14	04	08	
09	77	58	68	5	59	62	0	3	BR HZ	0		0.0	0.00	29.29	30.04	5.3	07	6.3	15	11	13	10	09	
10	85	59	72	8	66	68	0	7	TSRA RA FG+ BR HZ	0		0.0	0.52	29.11	29.85	5.7	21	6.8	41*	26	32	28	10	
11	78	60	69	4	67	68	0	4	TSRA RA BR HZ	0		0.0	0.23	28.99	29.73	5.1	27	10.5	29	27	23	27	11	
12	66	55	61	-4	55	58	4	0	BR	0		0.0	0.00	29.17	29.92	4.6	02	6.9	16	01	13	01	12	
13	71	53	62	-3	57	59	3	0	TSRA RA BR	0		0.0	0.45	29.11	29.86	1.1	07	4.0	26	31	23	32	13	
14	62	54	58	-7	56	56	7	0	RA BR	0		0.0	0.36	28.97	29.72	7.4	35	8.3	21	03	17	03	14	
15	73	52	63	-2	54	57	2	0	TS RA	0		0.0	0.05	28.98	29.72	10.2	32	11.3	38	34	33*	32	15	
16	73	52	63	-3	51	56	2	0	TS TSRA RA GS	0		T	0.19	29.07	29.82	5.8	28	9.7		02	24	02	16	
17	72	50	61	-5	52	56	4	0		0		0.0	0.00	29.16	29.92	1.9	08	6.5	18	05	15	04	17	
18	73	48	61	-5	50	56	4	0		0		0.0	0.00	29.30	30.06	7.0	14	7.4	22	13	17	15	18	
19	78	60	69	3	60	64	0	4	RA HZ	0		0.0	T	29.32	30.07	11.5	18	11.9	26	17	21	18	19	
20	83	63	73	6	64	68	0	8	RA HZ	0		0.0	T	29.43	30.17	8.2	23	9.9	25	21	20	21	20	
21	72	62	67	0	64	65	0	2	TS TSRA RA BR	0		0.0	0.52	29.55	30.30	1.4	21	5.2	18	29	16	30	21	
22	80	63	72	5	67	68	0	7	TSRA RA FG BR HZ	0		0.0	0.18	29.42	30.18	2.6	12	3.9	17	03	14	04	22	
23	86	68	77	10	69	72	0	12	RA BR HZ	0		0.0	0.12	29.31	30.05	4.7	21	7.6	24	25	18	25	23	
24	87	66	77	10	67	71	0	12	BR HZ	0		0.0	0.00	29.29	30.03	6.6	21	7.6	22	18	18	18	24	
25	89	69	79	11	69	72	0	14	BR HZ	0		0.0	0.00	29.20	29.94	7.1	23	7.9	23	32	20	32	25	
26	84	66	75	7	66	68	0	10	TS TSRA RA BR	0		0.0	0.18	29.06	29.80	6.2	25	8.4	35	33	18	33	26	
27	78	64	71	3	63	66	0	6		0		0.0	0.00	29.11	29.85	3.1	33	5.5	15	36	13	33	27	
28	87	63	75	7	66	69	0	10	BR HZ	0		0.0	0.00	29.22	29.96	5.7	24	6.3	16	27	13	26	28	
29	84	65	75	6	65	69	0	10	BR HZ	0		0.0	0.00	29.30	30.05	7.5	20	7.8	22	21	17	19	29	
30	92*	70	81*	12	72	75	0	16	BR HZ	0		0.0	0.00	29.25	29.99	8.2	21	8.4	22	22	18	22	30	
< MONTHLY AVERAGES										TOTALS-->			T	4.69	29.21	29.96	3.2	22	7.8	<-- MONTHLY AVERAGES				
<-----DEPARTURE FROM NORMAL----->													1.26	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.74				DATE :02-03		SEA LEVEL PRESSURE				DATE		TIME			
MONTHLY									GREATEST 24-HR SNOWFALL: T				DATE :16		MAXIMUM									
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0				DATE :		MINIMUM									
HEATING: 77									NUMBER OF				MAXIMUM TEMP ≥ 90: 2		PRECIPITATION ≥ 0.01 INCH : 14									
COOLING: 135									DAYS WITH →				MAXIMUM TEMP ≤ 32 : 0		PRECIPITATION ≥ 0.10 INCH : 12									
SEASON TO DATE									TOTAL DEPARTURE				7084		THUNDERSTORMS : 9									
TOTAL DEPARTURE									TOTAL DEPARTURE				-1005		HEAVY FOG : 2									
TOTAL DEPARTURE									TOTAL DEPARTURE				155		SNOWFALL ≥ 1.0 INCH : 0									
TOTAL DEPARTURE									TOTAL DEPARTURE				33											

JUNE 2002  
GREEN BAY, WI

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

GREEN BAY, WI

JUNE 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													02												02			0.15	
03	0.09	0.20	0.17	0.23	0.22	0.28	0.31	0.09				T	03	T	T								0.04	0.11	03			1.59	
04	0.01	T	0.01										04					T	T	T	0.06	0.01	0.03	0.01	0.01	04		0.14	
05	0.01												05												05			0.01	
06													06												06			0.00	
07													07												07		T	T	
08													08												08			0.00	
09													09												09			0.00	
10													10			0.48	0.01	T	0.02	T		0.01	T		10			0.52	
11				0.01	0.19	0.03							11												11			0.23	
12													12												12			0.00	
13													13							0.02	0.18	0.08	T	0.11	0.06	13		0.45	
14	T									0.20	0.01		14	0.02	0.04	0.01	0.03	0.01		0.02	0.04	T			14		0.36		
15													15	0.05	T	T		T							15			0.05	
16												0.09	16	0.05	T		0.05								16			0.19	
17													17												17			0.00	
18													18												18			0.00	
19												T	19	T											19		T	T	
20			T	T								T	20												20			T	
21					T	0.04	0.02	0.01	0.01	T	T	0.02	21			0.01		0.36	0.04		0.01		T	0.01	21			0.52	
22						0.03	0.12	0.02					22												22			0.18	
23													23								0.08	0.04			23			0.12	
24													24												24			0.00	
25													25												25			0.00	
26	0.12	T	T	T	0.04	0.02							26												26			0.18	
27													27												27			0.00	
28													28												28			0.00	
29													29												29			0.00	
30													30												30			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)	.20	.34	.41	.47	.47	.48	.49	.49	.51	.60	.72	.83
Ending Date	10	10	10	10	10	10	10	10	03	03	03	03
Ending Time (Hour/Min)	1537	1540	1539	1542	1542	1558	1602	1602	0704	0709	0712	0716

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

**GREEN BAY, WI**  
**JUNE 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.

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## OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

JUNE 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: 0411	JUN 01			SUNSET: 1929										SUNRISE: 0409	JUN 07							SUNSET: 1934		
03	CLR	NC			10.00		57	50	53	78	9	28	28.98	29.72	03	SCT	NC			10.00		54	48	51	80	9	19	29.30	30.05
06	CLR	NC			10.00		60	51	55	72	6	21	29.00	29.74	06	CLR	NC			7.00		57	52	54	83	7	18	29.33	30.09
09	CLR	NC			10.00		76	57	64	52	12	24	28.95	29.68	09	FEW	NC			4.00	HZ	65	57	60	76	16	21	29.32	30.07
12	CLR	NC			10.00		86	53	66	32	17	26	28.89	29.63	12	CLR	NC			7.00		72	59	64	64	16	21	29.28	30.03
15	FEW	NC			10.00		88	49	65	26	20	29	28.88	29.62	15	CLR	NC			10.00		75	59	65	58	16	20	29.23	29.98
18	CLR	NC			9.00		72	51	60	48	10	05	28.95	29.70	18	BKN	120			10.00		74	58	64	57	12	20	29.24	29.98
21	CLR	NC			10.00		60	46	53	60	0	00	29.05	29.79	21	FEW	NC			7.00		66	59	62	78	9	17	29.24	29.98
24	CLR	NC			10.00		52	47	49	83	5	23	29.08	29.82	24	CLR	NC			7.00		64	58	60	81	7	17	29.24	29.99
					SUNRISE: 0411	JUN 02			SUNSET: 1930										SUNRISE: 0408	JUN 08							SUNSET: 1935		
03	CLR	NC			10.00		49	45	47	86	5	30	29.12	29.86	03	OVC	120			8.00		62	55	58	78	5	20	29.24	29.99
06	CLR	NC			10.00		55	45	50	69	15	03	29.20	29.95	06	FEW	NC			6.00	HZ	65	57	60	76	10	19	29.24	29.99
09	CLR	NC			10.00		54	45	49	72	14	05	29.26	30.02	09	CLR	NC			6.00	HZ	70	61	64	73	7	22	29.27	30.01
12	CLR	NC			10.00		58	41	50	54	16	05	29.23	29.99	12	CLR	NC			8.00		75	63	67	66	7	27	29.28	30.03
15	OVC	110			10.00		54	41	48	62	9	11	29.24	30.00	15	CLR	NC			7.00		77	64	69	64	0	00	29.27	30.01
18	BKN	110			10.00		54	38	46	55	10	09	29.25	30.01	18	CLR	NC			6.00	HZ	71	63	66	76	8	03	29.27	30.02
21	SCT	NC			10.00		50	34	43	54	13	08	29.25	30.01	21	CLR	NC			5.00	BR	65	61	63	87	0	00	29.31	30.05
24	OVC	045			6.00	RA BR	45	42	44	90	8	11	29.28	30.04	24	CLR	NC			3.00	BR	61	59	60	93	5	02	29.32	30.08
					SUNRISE: 0410	JUN 03			SUNSET: 1931										SUNRISE: 0408	JUN 09							SUNSET: 1935		
03	OVC	039			4.00	RA BR	43	42	43	97	9	10	29.23	29.99	03	CLR	NC			2.00	BR	58	57	57	97	0	00	29.32	30.06
06	OVC	024			2.00	+RA BR	44	43	44	96	7	07	29.29	30.05	06	CLR	NC			2.00	HZ	60	55	57	84	5	07	29.32	30.08
09	OVC	005			10.00		47	46	46	97	14	04	29.23	29.99	09	BKN	065			3.00	HZ	65	59	61	81	8	06	29.35	30.10
12	OVC	005			7.00		50	49	49	96	13	08	29.24	30.00	12	CLR	NC			4.00	HZ	73	64	67	74	9	05	29.33	30.09
15	OVC	007			7.00		51	49	50	92	10	08	29.22	29.98	15	CLR	NC			5.00	HZ	75	66	69	74	9	06	29.27	30.01
18	OVC	015			7.00		53	50	51	89	7	07	29.20	29.96	18	CLR	NC			6.00	HZ	73	59	64	62	8	13	29.24	29.98
21	OVC	021			10.00		53	50	51	89	9	06	29.21	29.97	21	CLR	NC			6.00	HZ	64	56	59	75	6	14	29.24	29.98
24	OVC	007			3.00	BR	52	51	52	97	6	10	29.13	29.89	24	CLR	NC			5.00	HZ	62	55	58	78	6	15	29.22	29.96
					SUNRISE: 0410	JUN 04			SUNSET: 1932										SUNRISE: 0408	JUN 10							SUNSET: 1936		
03	OVC	003			2.50	BR	52	52	52	100	6	07	29.12	29.88	03	CLR	NC			5.00	HZ	61	54	57	78	0	00	29.17	29.91
06	OVC	005			1.75	BR	52	51	52	97	8	08	29.09	29.85	06	CLR	NC			2.50	BR	63	59	61	87	6	01	29.18	29.92
09	OVC	005			2.50	BR	54	52	53	93	7	09	29.06	29.81	09	CLR	NC			3.00	HZ	78	69	72	74	12	19	29.15	29.90
12	OVC	005			1.50	BR	55	54	54	96	8	02	29.09	29.85	12	FEW	NC			7.00		84	71	75	65	12	20	29.12	29.86
15	OVC	009			5.00	BR	58	55	56	90	6	36	29.11	29.86	15	CLR	NC			7.00		83	71	75	67	16	22	29.06	29.80
18	OVC	003			2.00	BR	54	53	53	97	12	05	29.08	29.84	18	SCT	NC			6.00	BR	73	72	72	96	0	00	29.06	29.80
21	OVC	005			3.00	BR	53	53	53	100	5	04	29.11	29.86	21	SCT	NC			4.00	BR	71	70	70	96	0	00	29.05	29.79
24	OVC	028			3.00	-RA BR	52	51	52	97	6	02	29.13	29.88	24	CLR	NC			10.00		69	66	67	90	8	20	29.02	29.75
					SUNRISE: 0409	JUN 05			SUNSET: 1932										SUNRISE: 0408	JUN 11							SUNSET: 1936		
03	OVC	009			9.00		52	51	52	97	5	32	29.14	29.90	03	SCT	NC			8.00		71	68	69	90	13	20	28.95	29.69
06	OVC	004			1.50	BR	52	51	52	97	5	35	29.18	29.94	06	OVC	019			8.00		69	68	68	96	7	21	28.95	29.69
09	OVC	008			10.00		53	50	51	89	7	36	29.25	30.01	09	FEW	NC			6.00	BR	72	69	70	91	5	28	28.88	29.62
12	FEW	NC			10.00		59	52	55	78	6	VR	29.26	30.02	12	BKN	023			8.00		75	69	71	82	15	28	28.99	29.73
15	CLR	NC			10.00		63	49	55	60	6	06	29.26	30.01	15	OVC	028			9.00		75	69	71	82	22	27	28.97	29.71
18	CLR	NC			10.00		63	51	56	65	5	18	29.26	30.01	18	CLR	NC			9.00		76	69	71	79	7	28	28.98	29.72
21	CLR	NC			10.00		56	53	54	90	0	00	29.30	30.06	21	CLR	NC			10.00		63	59	61	87	12	04	29.06	29.80
24	CLR	NC			4.00	BR	52	51	52	97	0	00	29.32	30.08	24	BKN	019			10.00		60	57	58	90	9	05	29.08	29.83
					SUNRISE: 0409	JUN 06			SUNSET: 1933										SUNRISE: 0407	JUN 12							SUNSET: 1937		
03	CLR	NC			4.00	BR	49	48	48	97	0	00	29.31	30.07	03	SCT	NC			10.00		56	53	54	90	8	01	29.10	29.84
06	CLR	NC			4.00	BR	52	51	52	97	0	00	29.33	30.09	06	OVC	013			10.00		57	53	55	87	6	35	29.14	29.89
09	CLR	NC			10.00		62	53	57	73	7	15	29.34	30.10	09	OVC	019												

## OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

JUNE 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)							
			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	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: 0407 JUN 13 SUNSET: 1938						54	54	54	100	3	36	29.18	29.93	03	CLR	NC		10.00	SUNRISE: 0408 JUN 19 SUNSET: 1940						62	54	57	75	8	16	29.28	30.03	
03	CLR	NC			5.00	BR	54	54	54	100	3	36	29.18	29.93	03	CLR	NC		10.00		62	54	57	75	8	16	29.28	30.03					
06	FEW	NC			4.00	BR	56	56	56	100	0	00	29.15	29.90	06	CLR	NC		8.00		65	56	60	73	7	16	29.32	30.07					
09	OVC	018			10.00		62	57	59	84	6	15	29.15	29.90	09	BKN	050		7.00		71	62	65	73	8	18	29.35	30.10					
12	BKN	022			10.00		66	57	61	73	3	VR	29.14	29.88	12	SCT	NC		7.00	-RA	75	64	68	69	12	22	29.34	30.10					
15	SCT	NC			10.00		69	57	62	66	0	00	29.09	29.83	15	CLR	NC		5.00	HZ	75	66	69	74	15	14	29.32	30.08					
18	OVC	024			10.00		64	58	60	81	10	02	29.05	29.80	18	CLR	NC		6.00	HZ	74	63	67	69	16	18	29.29	30.03					
21	OVC	027			4.00	-RA BR	59	57	58	93	5	VR	29.04	29.79	21	CLR	NC		8.00		71	60	64	68	10	17	29.33	30.08					
24	OVC	005			4.00	-RA BR	57	56	56	96	6	12	29.01	29.76	24	CLR	NC		6.00	HZ	69	60	64	73	10	18	29.34	30.09					
SUNRISE: 0407 JUN 14 SUNSET: 1938						57	56	56	96	6	01	28.96	29.70	03	CLR	NC		7.00	-RA	SUNRISE: 0408 JUN 20 SUNSET: 1940						72	61	65	69	14	19	29.34	30.09
03	OVC	004			3.00	BR	57	56	56	96	6	01	28.96	29.70	03	CLR	NC		7.00	-RA	72	61	65	69	14	19	29.34	30.09					
06	OVC	025			10.00		57	55	56	93	7	34	28.95	29.70	06	BKN	046		5.00	HZ	74	63	67	69	15	19	29.36	30.11					
09	BKN	014			10.00		60	56	58	86	10	35	28.94	29.69	09	CLR	NC		5.00	HZ	78	68	71	71	14	24	29.40	30.16					
12	OVC	014			10.00		58	54	56	87	15	02	28.96	29.71	12	SCT	NC		5.00	HZ	77	70	72	79	6	25	29.43	30.18					
15	OVC	012			10.00	-RA	57	56	56	96	9	35	28.98	29.73	15	CLR	NC		10.00		83	64	71	53	9	26	29.44	30.19					
18	OVC	075			10.00		59	56	57	90	5	36	28.98	29.73	18	CLR	NC		10.00		80	60	67	51	7	26	29.46	30.21					
21	BKN	070			10.00		58	57	57	97	6	31	28.99	29.74	21	CLR	NC		10.00		67	63	64	87	3	26	29.48	30.24					
24	CLR	NC			10.00		54	53	53	97	7	30	28.97	29.73	24	CLR	NC		10.00		64	61	62	90	5	29	29.52	30.28					
SUNRISE: 0407 JUN 15 SUNSET: 1938						54	52	53	93	6	34	28.96	29.71	03	CLR	NC		10.00		SUNRISE: 0408 JUN 21 SUNSET: 1941						63	60	61	90	0	00	29.53	30.28
03	CLR	NC			10.00		55	53	54	93	9	29	28.96	29.72	06	BKN	025		4.00	-RA BR	64	62	63	93	5	26	29.62	30.37					
09	CLR	NC			10.00		65	56	60	73	9	33	28.95	29.69	09	BKN	110		6.00	BR	69	65	66	87	6	18	29.56	30.32					
12	FEW	NC			10.00		72	57	63	60	13	30	28.92	29.67	12	SCT	NC		7.00		71	67	68	87	9	19	29.57	30.33					
15	SCT	NC			10.00		68	55	60	63	15	01	28.96	29.71	15	BKN	012		7.00		71	68	69	90	6	18	29.53	30.29					
18	OVC	085			10.00		62	51	56	67	17	33	29.01	29.76	18	CLR	NC		4.00	BR	69	68	68	96	0	00	29.51	30.26					
21	OVC	065			10.00		58	52	55	81	13	33	29.03	29.78	21	BKN	095		2.50	TS BR	68	67	67	96	6	09	29.52	30.27					
24	BKN	090			10.00		56	51	53	84	12	30	29.05	29.80	24	BKN	080		8.00		63	62	62	97	3	12	29.52	30.28					
SUNRISE: 0407 JUN 16 SUNSET: 1939						53	48	50	83	14	31	29.05	29.80	03	OVC	006		2.50	BR	SUNRISE: 0408 JUN 22 SUNSET: 1941						63	63	63	100	0	00	29.48	30.24
03	CLR	NC			10.00		55	48	51	77	10	29	29.07	29.82	06	OVC	006		1.50	-TSRA BR	64	63	63	96	3	08	29.52	30.28					
09	CLR	NC			10.00		67	51	58	57	13	30	29.08	29.83	09	BKN	012		1.50	-RA BR	66	65	65	96	0	00	29.50	30.26					
12	SCT	NC			10.00		66	54	59	65	5	20	29.06	29.81	12	FEW	NC		4.00	BR	73	69	70	87	8	11	29.41	30.16					
15	SCT	NC			10.00	TS	65	49	56	56	10	07	29.07	29.82	15	BKN	023		6.00	HZ	77	68	71	74	0	00	29.40	30.15					
18	FEW	NC			10.00		66	54	59	65	8	18	29.07	29.82	18	CLR	NC		7.00		77	71	73	82	6	17	29.33	30.09					
21	CLR	NC			10.00		61	49	54	65	10	26	29.09	29.83	21	CLR	NC		3.00	BR	72	70	71	94	6	16	29.32	30.07					
24	CLR	NC			10.00		56	51	53	84	7	24	29.10	29.85	24	CLR	NC		1.75	BR	68	68	68	100	7	18	29.33	30.08					
SUNRISE: 0407 JUN 17 SUNSET: 1939						53	50	51	89	8	28	29.10	29.85	03	CLR	NC		4.00	BR	SUNRISE: 0408 JUN 23 SUNSET: 1941						70	67	68	90	7	20	29.31	30.05
03	FEW	NC			10.00		54	51	52	90	5	24	29.14	29.89	06	CLR	NC		3.00	BR	71	67	68	87	7	20	29.32	30.06					
06	CLR	NC			9.00		65	56	60	73	7	34	29.15	29.90	09	CLR	NC		6.00	HZ	82	68	73	63	15	24	29.32	30.07					
09	CLR	NC			10.00		68	52	59	57	14	05	29.17	29.92	12	CLR	NC		5.00	HZ	84	70	74	63	9	24	29.32	30.07					
12	CLR	NC			10.00		71	51	60	49	5	06	29.16	29.91	15	CLR	NC		4.00	HZ	85	73	77	68	6	22	29.29	30.03					
15	CLR	NC			10.00		68	53	59	59	8	13	29.17	29.92	18	FEW	NC		4.00	HZ	83	74	77	74	5	17	29.29	30.03					
18	CLR	NC			10.00		58	49	53	72	5	12	29.23	29.98	21	OVC	022		2.00	RA BR	74	73	73	97	6	07	29.31	30.04					
21	CLR	NC			10.00		53	52	52	96	0	00	29.25	30.00	24	OVC	004		2.50	BR	68	67	67	96	12	04	29.33	30.08					
24	CLR	NC			10.00																												
SUNRISE: 0407 JUN 18 SUNSET: 1940						50	49	49	96	0	00	29.28	30.03	03	CLR	NC		2.50	BR	SUNRISE: 0409 JUN 24 SUNSET: 1941						67	66	66	97	3	19	29.31	30.05
03	CLR	NC			9.00		56	49	52	77	0	00	29.32	30.07	06	CLR	NC		1.75	BR	69	66	67	90	7	20	29.32	30.05					
06	CLR	NC			10.00		67	51	58	57	12	13	29.33	30.09	09	CLR	NC		4.00	HZ	82	69	73	65	8	25	29.32	30.07					
09	FEW	NC			10.00		71	52	60	51	14	14	29.32	30.08	12	CLR	NC		5.00	HZ	86	67	73	53	8	24	29.32	30.06					
12	CLR	NC			10.00		73	50	60	44	13	13	29.31	30.06	15	CLR	NC		5.00	HZ	86	68	74	55	16	19	29.25	29.98					
15	CLR	NC			10.00		69	47	57	45	10	15	29.29	30.03	18	CLR	NC		4.00	HZ	83	69	74	63	5	21	29.24	29.98					
18	CLR	NC			10.00		62	49	55	62	5	12	29.31	30.06	21	CLR	NC		4.00	HZ	76	69	71	79	7	20	29.28	30.02					
21	CLR	NC			10.00		59	51	55	75	0	00	29.31	30.06	24	CLR	NC		4.00	HZ	73	67	69	81	6	20	29.22	29.96					
24	CLR	NC			10.00																												

## OBSERVATIONS AT 3-HOURLY INTERVALS

## GREEN BAY, WI

JUNE 2002

GRB

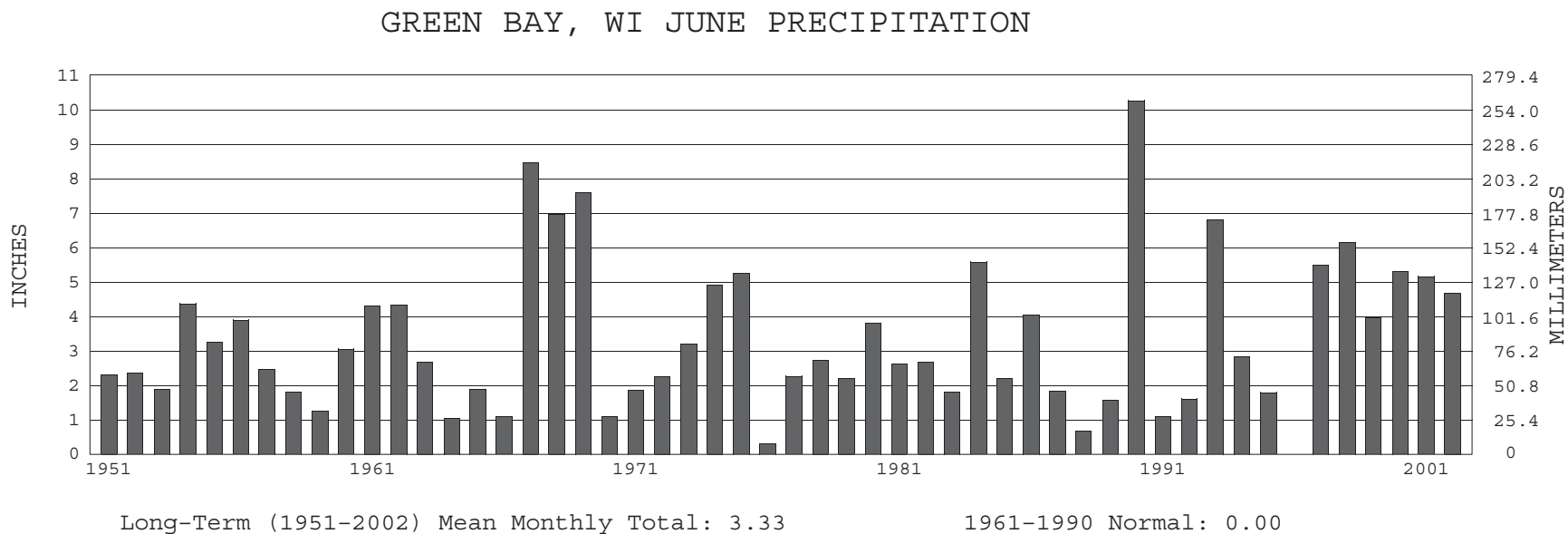
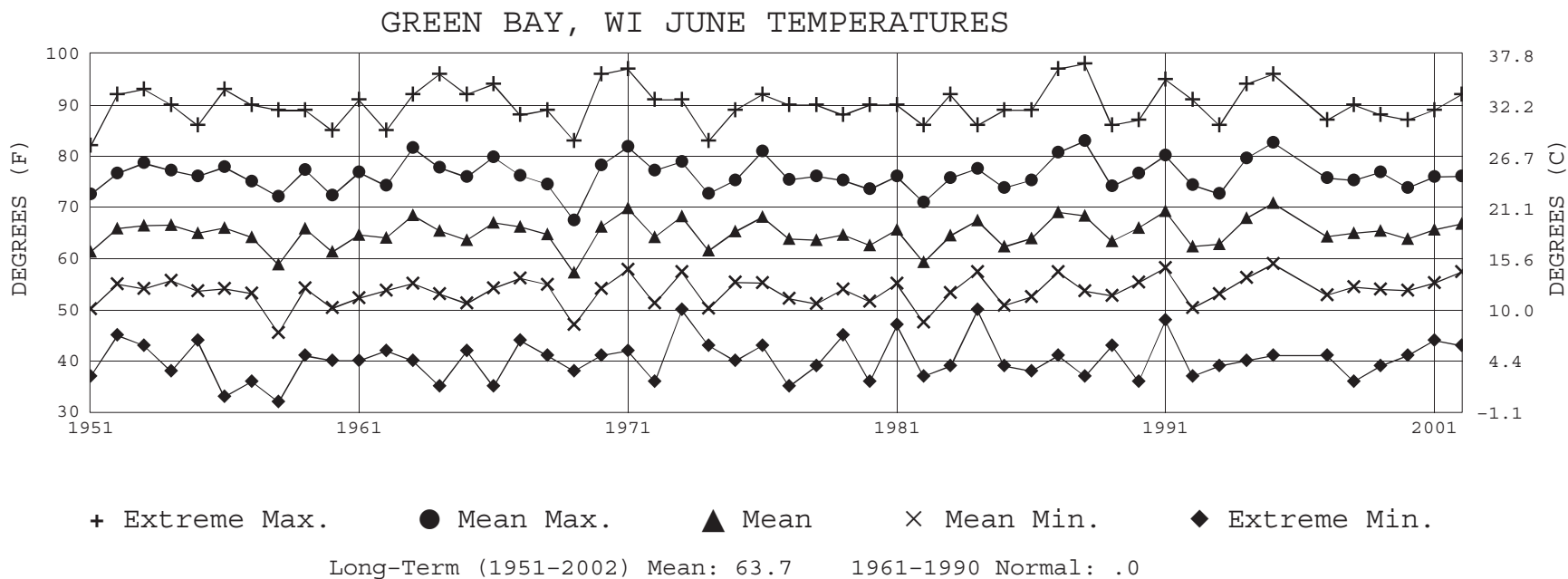
WBAN # 14898

HOUR (LST)	SKY COVER		CEILING 100'S OFFT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	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
SUNRISE: 0409 JUN 25 SUNSET: 1941															
03	CLR	NC				4.00	HZ	72	65	68	80	6	20	29.26	30.00
06	CLR	NC				3.00	BR	70	66	67	87	8	21	29.24	29.98
09	CLR	NC				4.00	HZ	81	69	72	67	12	23	29.25	29.99
12	CLR	NC				6.00	HZ	85	70	75	61	12	24	29.24	29.98
15	CLR	NC				10.00		88	67	74	50	13	27	29.19	29.93
18	CLR	NC				5.00	HZ	86	72	76	63	5	22	29.15	29.89
21	CLR	NC				4.00	BR	75	72	73	90	6	19	29.12	29.86
24	FEW	NC				5.00	HZ	77	71	73	82	7	25	29.16	29.89
SUNRISE: 0409 JUN 26 SUNSET: 1941															
03	FEW	NC				10.00		66	64	65	93	7	20	29.10	29.83
06	BKN	011				10.00		66	64	65	93	6	25	29.11	29.85
09	FEW	NC				10.00		72	66	68	82	9	24	29.10	29.84
12	CLR	NC				10.00		78	67	71	69	14	24	29.06	29.79
15	FEW	NC				10.00		83	71	75	67	9	25	29.00	29.74
18	SCT	NC				10.00		81	66	71	61	12	30	28.98	29.72
21	CLR	NC				10.00		70	63	66	79	7	32	29.05	29.79
24	OVC	070				10.00		66	63	64	90	3	32	29.06	29.80
SUNRISE: 0410 JUN 27 SUNSET: 1941															
03	OVC	023				10.00		66	62	64	87	7	32	29.06	29.80
06	OVC	050				10.00		67	61	63	81	8	34	29.09	29.83
09	BKN	022				10.00		71	63	66	76	8	33	29.10	29.84
12	OVC	043				10.00		74	64	68	71	7	30	29.11	29.85
15	SCT	NC				10.00		77	64	69	64	5	VR	29.11	29.85
18	CLR	NC				10.00		77	63	68	62	0	00	29.10	29.84
21	CLR	NC				10.00		69	64	66	84	6	18	29.14	29.88
24	CLR	NC				7.00		65	64	64	97	5	20	29.16	29.90
SUNRISE: 0410 JUN 28 SUNSET: 1941															
03	CLR	NC				4.00	BR	63	63	63	100	3	21	29.16	29.90
06	CLR	NC				7.00		66	64	65	93	3	23	29.21	29.96
09	CLR	NC				6.00	HZ	76	68	71	77	5	21	29.23	29.97
12	CLR	NC				6.00	HZ	84	67	73	57	8	23	29.22	29.96
15	CLR	NC				5.00	HZ	86	65	72	50	12	26	29.21	29.95
18	CLR	NC				5.00	HZ	82	69	73	65	5	23	29.23	29.97
21	CLR	NC				6.00	HZ	76	69	71	79	7	23	29.26	30.00
24	CLR	NC				6.00	BR	71	67	68	87	5	20	29.27	30.01
SUNRISE: 0411 JUN 29 SUNSET: 1941															
03	CLR	NC				5.00	BR	67	65	66	93	0	00	29.31	30.04
06	CLR	NC				4.00	BR	69	65	66	87	7	21	29.33	30.08
09	CLR	NC				6.00	HZ	79	67	71	67	7	21	29.34	30.09
12	CLR	NC				10.00		83	62	69	49	13	20	29.32	30.06
15	CLR	NC				9.00		83	64	71	53	14	22	29.29	30.03
18	CLR	NC				9.00		81	67	72	62	8	20	29.28	30.02
21	CLR	NC				7.00		71	63	66	76	7	17	29.29	30.03
24	OVC	047				6.00	HZ	71	64	67	79	8	19	29.28	30.02
SUNRISE: 0411 JUN 30 SUNSET: 1941															
03	SCT	NC				5.00	HZ	71	66	68	84	6	17	29.27	30.00
06	CLR	NC				4.00	HZ	76	69	71	79	7	19	29.29	30.03
09	FEW	NC				5.00	HZ	83	74	77	74	8	20	29.30	30.03
12	CLR	NC				6.00	HZ	90	76	80	63	10	21	29.27	30.01
15	FEW	NC				7.00		91	75	79	59	15	21	29.22	29.96
18	CLR	NC				7.00		89	74	78	61	9	22	29.21	29.94
21	CLR	NC				7.00		81	73	75	77	6	19	29.23	29.96
24	CLR	NC				9.00		80	72	74	76	8	21	29.24	29.98

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.

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			60	57	58	89	29.20	29.95	6.63	5	1	24
02			60	57	58	89	29.20	29.94	6.72	6	2	22
03			60	56	58	89	29.20	29.94	6.78	6	2	23
04			59	56	57	91	29.21	29.95	6.75	5	1	23
05			59	56	58	90	29.21	29.96	5.75	6	2	21
06			61	57	59	87	29.22	29.97	5.97	6	2	22
07			64	58	61	83	29.22	29.97	6.37	7	2	22
08			67	59	62	78	29.22	29.97	6.90	9	1	25
09			68	60	63	76	29.22	29.97	7.17	9	3	24
10			70	61	64	74	29.23	29.97	6.97	10	3	24
11			72	61	65	69	29.22	29.97	7.39	10	2	23
12			73	61	65	68	29.21	29.96	7.78	10	3	24
13			74	61	66	66	29.20	29.95	8.02	10	3	23
14			74	61	66	65	29.20	29.95	8.33	11	3	25
15			74	61	66	65	29.19	29.94	8.27	10	3	22
16			74	60	65	66	29.19	29.94	8.10	10	3	21
17			72	60	65	67	29.19	29.93	7.77	9	2	15
18			72	60	64	69	29.19	29.93	7.87	8	2	16
19			69	60	64	74	29.19	29.94	7.73	7	2	16
20			67	60	63	79	29.20	29.95	7.72	7	2	14
21			65	59	61	82	29.21	29.96	7.28	6	1	15
22			64	58	61	84	29.22	29.96	7.44	6	1	16
23			62	58	60	87	29.22	29.96	7.00	6	1	18
24			62	58	59	88	29.22	29.96	6.91	6	2	19







JUNE 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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