



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

**JANUARY 2002  
GREEN BAY, WI**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## GREEN BAY, WI

JANUARY 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		0.00	
03													03												03		0.00	
04													04												04		0.00	
05													05												05		0.00	
06													06												06		0.00	
07	T												07												07	T	0.00	
08													08												08		0.00	
09													09	0.02					T		T				09	0.02	0.00	
10													10												10		T	
11													11												11		0.00	
12													12												12	0.02	0.03	
13													13												13	T	0.01	
14	T	0.02	0.02	0.02	0.03	0.03	0.02	T	T	T	T	T	14			T	0.01	T	0.01	T	T	T	T	T	14	0.16	0.20	
15	T	T	T	T	T	T	T	T					15												15	T	0.03	
16													16	T	0.01	T	0.01	T	T	T	T				16	0.02	0.06	
17													17												17		0.00	
18													18												18		0.00	
19													19	T	T	T	T								19		T	
20													20												20		0.00	
21													21												21		T	
22													22												22		0.00	
23													23												23		0.00	
24													24												24		0.00	
25													25												25		0.00	
26													26												26		0.00	
27													27												27		0.00	
28													28												28		0.00	
29													29	T											29		T	
30	T	T											30								T	T	T	T	30		T	
31			T	T	0.01	T	T	T	0.01	T	T	T	31	T	T	T	T	T	0.01	T	T	0.01	0.01	T	31	0.05	0.27	

### 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 JANUARY 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	477	89					10.00	10.00	
02	492	92					10.00	10.00	
03	491	91					9.00	10.00	
04	444	83					8.00	10.00	
05	379	70					5.00	8.00	
06	275	51					5.00	10.00	
07	409	76					10.00	10.00	
08	264	49					10.00	10.00	
09	544	100					10.00	10.00	
10	0	0					10.00	10.00	
11	491	90					6.00	10.00	
12	5	1					.50	10.00	
13	307	56					1.50	10.00	
14	0	0					.75	10.00	
15	246	44					1.50	10.00	
16	0	0					.75	10.00	
17	453	81					5.00	10.00	
18	510	91					6.00	10.00	
19	0	0					1.50	10.00	
20	38	7					2.50	8.00	
21	168	30					.50	10.00	
22	386	68					5.00	10.00	
23	306	54					6.00	10.00	
24	278	49					6.00	10.00	
25	346	60					10.00	10.00	
26	421	73					9.00	10.00	
27	326	56					7.00	10.00	
28	0	0					5.00	10.00	
29	0	0					2.50	10.00	
30	0	0					9.00	10.00	
31	0	0					.50	10.00	
MONTHLY AVGS							5.65	9.87	
SUNSHINE (MINUTES) Total: 8056 Possible: 17294 Percent Possible: 47									
NUMBER OF DAYS WITH: SKY CONDITION CLR PTLY CLDY CLOUDY MISSING 31 MINIMUM VISIBILITY (MILES) <=0.25      <=3.0      >=7.0 0            10          12									

## OBSERVATIONS AT 3-HOURLY INTERVALS

GREEN BAY, WI

JANUARY 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>Okta</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT <small>Okta</small>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0729	JAN 01			SUNSET: 1624										SUNRISE: 0728	JAN 07									
03	OVC	050			10.00		12	5	10	73	9	31	29.41	30.21	03	OVC	029			10.00	19	11	17	71	14	33	29.36	30.15	
06	OVC	090			10.00		13	6	11	74	7	29	29.45	30.25	06	OVC	025			10.00	18	10	16	71	9	32	29.33	30.13	
09	CLR	NC			10.00		14	7	12	73	6	33	29.53	30.33	09	OVC	021			10.00	17	9	15	70	10	25	29.37	30.17	
12	CLR	NC			10.00		24	14	21	65	3	09	29.55	30.35	12	CLR	NC			10.00	23	11	20	60	14	23	29.30	30.09	
15	CLR	NC			10.00		27	20	25	75	7	04	29.58	30.38	15	CLR	NC			10.00	26	11	22	53	12	25	29.23	30.02	
18	CLR	NC			10.00		20	15	19	81	3	32	29.63	30.43	18	OVC	080			10.00	24	11	20	57	10	21	29.15	29.93	
21	CLR	NC			10.00		12	10	12	92	6	34	29.66	30.47	21	CLR	NC			10.00	24	12	21	60	15	23	29.09	29.87	
24	CLR	NC			10.00		9	5	8	84	0	00	29.65	30.45	24	CLR	NC			10.00	23	12	20	63	12	22	29.03	29.81	
					SUNRISE: 0729	JAN 02			SUNSET: 1624										SUNRISE: 0728	JAN 08									
03	CLR	NC			10.00		8	5	7	87	0	00	29.68	30.49	03	CLR	NC			10.00	24	13	21	62	10	23	29.00	29.78	
06	CLR	NC			10.00		9	6	8	88	5	27	29.67	30.47	06	CLR	NC			10.00	22	15	20	75	9	22	28.93	29.71	
09	CLR	NC			10.00		14	10	13	84	7	27	29.66	30.47	09	CLR	NC			10.00	26	17	23	69	12	23	28.91	29.68	
12	CLR	NC			10.00		23	13	20	65	13	26	29.58	30.38	12	CLR	NC			10.00	35	21	30	57	15	23	28.84	29.61	
15	CLR	NC			10.00		27	11	22	51	14	27	29.52	30.32	15	CLR	NC			10.00	38	24	33	57	10	23	28.79	29.56	
18	CLR	NC			10.00		21	9	18	59	10	25	29.50	30.31	18	OVC	100			10.00	38	26	33	62	13	22	28.75	29.52	
21	CLR	NC			10.00		16	7	14	67	12	27	29.50	30.30	21	CLR	NC			10.00	39	29	35	67	9	23	28.70	29.46	
24	CLR	NC			10.00		13	6	11	74	9	25	29.44	30.24	24	CLR	NC			10.00	39	31	36	73	9	22	28.67	29.43	
					SUNRISE: 0729	JAN 03			SUNSET: 1625										SUNRISE: 0728	JAN 09									
03	CLR	NC			10.00		10	5	9	80	5	26	29.45	30.25	03	CLR	NC			10.00	37	32	35	82	6	23	28.66	29.41	
06	CLR	NC			10.00		8	4	7	83	8	26	29.45	30.25	06	CLR	NC			10.00	35	31	33	85	7	21	28.66	29.41	
09	CLR	NC			10.00		11	5	10	77	10	26	29.46	30.26	09	CLR	NC			10.00	42	31	37	65	14	27	28.71	29.47	
12	CLR	NC			10.00		20	9	17	62	13	24	29.41	30.21	12	CLR	NC			10.00	51	31	42	46	15	26	28.74	29.49	
15	CLR	NC			10.00		25	11	21	55	12	23	29.36	30.16	15	CLR	NC			10.00	51	31	42	46	17	26	28.76	29.51	
18	CLR	NC			10.00		19	10	17	68	8	22	29.34	30.14	18	CLR	NC			10.00	42	31	37	65	13	28	28.84	29.59	
21	CLR	NC			10.00		18	12	16	77	8	22	29.31	30.11	21	CLR	NC			10.00	39	31	36	73	7	26	28.91	29.67	
24	CLR	NC			9.00		19	14	18	81	10	23	29.25	30.03	24	CLR	NC			10.00	33	29	31	85	8	24	28.96	29.72	
					SUNRISE: 0729	JAN 04			SUNSET: 1626										SUNRISE: 0728	JAN 10									
03	CLR	NC			10.00		22	14	20	71	16	22	29.16	29.94	03	CLR	NC			10.00	34	30	32	85	10	26	29.00	29.77	
06	CLR	NC			10.00		21	13	19	71	12	22	29.12	29.91	06	OVC	034			10.00	32	29	31	88	8	25	29.02	29.79	
09	CLR	NC			10.00		23	14	20	68	12	23	29.12	29.91	09	OVC	036			10.00	34	30	32	85	9	26	29.06	29.83	
12	CLR	NC			10.00		29	16	25	58	16	24	29.07	29.85	12	OVC	050			10.00	39	33	37	79	13	28	29.05	29.82	
15	CLR	NC			10.00		32	18	27	56	12	24	29.04	29.82	15	OVC	032			10.00	39	31	36	73	13	27	29.06	29.83	
18	CLR	NC			10.00		27	19	24	72	5	21	29.08	29.86	18	OVC	050			10.00	37	30	34	76	10	28	29.09	29.86	
21	FEW	NC			9.00		28	21	26	75	7	22	29.09	29.87	21	OVC	055			10.00	35	31	33	85	10	28	29.13	29.90	
24	OVC	100			8.00		29	22	27	75	7	24	29.08	29.86	24	OVC	026			10.00	35	28	32	76	12	31	29.16	29.93	
					SUNRISE: 0729	JAN 05			SUNSET: 1627										SUNRISE: 0727	JAN 11									
03	OVC	120			8.00		28	23	26	81	3	21	29.07	29.85	03	BKN	028			10.00	33	25	30	72	12	29	29.18	29.95	
06	OVC	034			7.00		29	24	27	82	6	23	29.07	29.85	06	CLR	NC			10.00	30	24	28	79	12	26	29.18	29.95	
09	SCT	NC			5.00	BR	29	25	28	85	6	26	29.10	29.88	09	CLR	NC			10.00	30	25	28	82	15	26	29.19	29.97	
12	CLR	NC			7.00		36	25	32	64	8	27	29.07	29.84	12	CLR	NC			7.00	38	27	34	65	13	26	29.17	29.94	
15	CLR	NC			7.00		37	27	33	67	8	28	29.04	29.81	15	CLR	NC			10.00	42	28	36	58	12	23	29.09	29.86	
18	BKN	075			7.00		34	27	31	76	6	23	29.09	29.86	18	CLR	NC			10.00	35	27	32	72	6	21	29.07	29.85	
21	OVC	080			7.00		33	27	31	78	6	24	29.06	29.83	21	CLR	NC			10.00	32	26	30	79	7	22	29.05	29.83	
24	BKN	045			6.00	BR	31	27	29	85	8	27	29.06	29.83	24	CLR	NC			10.00	29	25	28	85	5	22	29.03	29.80	
					SUNRISE: 0729	JAN 06			SUNSET: 1628										SUNRISE: 0727	JAN 12									
03	SCT	NC			6.00	BR	27	24	26	89	9	28	29.08	29.85	03	FEW	NC			10.00	28	25	27	88	5	21	28.99	29.76	
06	OVC	060			10.00		29	25	28	85	8	30	29.08	29.86	06	SCT	NC			9.00	32	29	31	88	8	26	28.90	29.67	
09	OVC	046			10.00		29	19	26	66	13	35	29.14	29.91	09	OVC	006			0.50	33	32	33	96	12	28	28.89	29.66	
12	FEW	NC			10.00		31	15	26	52	13	35	29.17	29.95	12	OVC	035			10.00	34	28	32	79	14	29	28.84	29.61	
15	CLR	NC			10.00		30	14	25	51	16	01	29.21	29.99	15	OVC	046			10.00	34	25	31	70	13	29	28.84	29.60	
18	CLR	NC																											

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GREEN BAY, WI

JANUARY 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: 0726 JAN 13 SUNSET: 1636						SUNRISE: 0723 JAN 19 SUNSET: 1644																							
03	CLR	NC			10.00	24	18	22	77	10	26	28.90	29.68	03	CLR	NC			10.00	-4	-8	-5	83	5	20	29.26	30.07		
06	CLR	NC			10.00	21	18	20	88	9	28	28.94	29.72	06	FEW	NC			10.00	-3	-7	-3	82	6	21	29.22	30.00		
09	CLR	NC			10.00	23	19	22	85	3	23	29.00	29.78	09	OVC	049			2.50	7	3	6	84	10	20	29.15	29.95		
12	CLR	NC			10.00	30	23	28	75	5	11	29.02	29.79	12	OVC	011			2.50	-SN	BR	18	14	17	84	15	22	29.06	29.86
15	CLR	NC			9.00	31	24	28	76	7	08	29.00	29.78	15	OVC	055			3.00	-SN	BR	23	19	22	85	10	22	28.99	29.79
18	OVC	070			10.00	32	25	29	75	15	08	29.01	29.79	18	FEW	NC			7.00	23	19	22	85	12	21	28.95	29.75		
21	OVC	048			10.00	33	27	31	78	12	09	29.03	29.81	21	CLR	NC			8.00	25	19	23	78	14	24	28.99	29.78		
24	OVC	009			2.00	31	30	31	96	18	08	28.98	29.75	24	CLR	NC			7.00	21	17	20	85	8	23	29.04	29.83		
SUNRISE: 0726 JAN 14 SUNSET: 1638						SUNRISE: 0722 JAN 20 SUNSET: 1645																							
03	OVC	006			1.25	32	31	32	96	12	08	28.92	29.70	03	CLR	NC			8.00	19	15	18	85	8	25	29.09	29.87		
06	OVC	004			1.00	32	32	32	100	12	08	28.90	29.67	06	SCT	NC			6.00	16	14	15	92	5	21	29.10	29.88		
09	OVC	006			2.50	32	31	32	96	10	06	28.89	29.66	09	CLR	NC			4.00	17	15	16	92	7	21	29.11	29.90		
12	OVC	008			2.50	33	31	32	92	10	04	28.86	29.63	12	SCT	NC			4.00	23	19	22	85	8	21	29.09	29.87		
15	OVC	004			1.25	32	31	32	96	12	04	28.87	29.64	15	FEW	NC			5.00	26	22	25	84	7	16	29.00	29.78		
18	OVC	011			3.00	32	30	31	92	15	02	28.92	29.69	18	CLR	NC			5.00	23	20	22	88	5	16	28.98	29.76		
21	OVC	010			5.00	27	25	26	92	10	02	28.96	29.74	21	BKN	110			7.00	25	20	23	81	9	19	28.93	29.71		
24	OVC	006			5.00	25	23	24	92	7	36	29.02	29.79	24	OVC	015			5.00	27	24	26	89	12	21	28.91	29.69		
SUNRISE: 0725 JAN 15 SUNSET: 1639						SUNRISE: 0721 JAN 21 SUNSET: 1646																							
03	OVC	025			4.00	24	22	23	91	5	34	29.07	29.85	03	CLR	NC			5.00	25	22	24	88	8	19	28.84	29.60		
06	OVC	040			4.00	23	21	22	92	5	32	29.13	29.91	06	OVC	019			5.00	28	25	27	88	8	21	28.81	29.57		
09	FEW	NC			5.00	22	21	22	96	6	28	29.23	30.01	09	OVC	023			4.00	29	25	28	85	15	27	28.86	29.64		
12	CLR	NC			10.00	29	22	27	75	9	28	29.26	30.04	12	OVC	030			5.00	29	21	26	72	14	27	28.95	29.73		
15	OVC	020			10.00	31	26	29	81	7	25	29.31	30.09	15	CLR	NC			10.00	30	19	26	64	16	26	29.03	29.80		
18	OVC	026			10.00	29	24	27	82	6	25	29.34	30.14	18	CLR	NC			9.00	18	13	17	81	5	18	29.12	29.90		
21	OVC	042			10.00	27	21	25	78	10	27	29.35	30.14	21	BKN	100			7.00	20	17	19	89	7	17	29.15	29.93		
24	OVC	040			10.00	25	19	23	78	8	25	29.40	30.19	24	CLR	NC			5.00	20	18	19	92	6	17	29.14	29.91		
SUNRISE: 0725 JAN 16 SUNSET: 1640						SUNRISE: 0721 JAN 22 SUNSET: 1648																							
03	OVC	032			10.00	23	19	22	85	9	26	29.39	30.19	03	CLR	NC			5.00	21	20	21	96	6	21	29.15	29.93		
06	CLR	NC			10.00	21	18	20	88	3	21	29.35	30.14	06	CLR	NC			7.00	21	18	20	88	7	20	29.15	29.93		
09	OVC	025			9.00	22	18	21	85	5	23	29.32	30.11	09	CLR	NC			10.00	30	21	27	69	8	22	29.15	29.93		
12	OVC	012			1.50	23	19	22	85	7	24	29.28	30.06	12	CLR	NC			10.00	38	26	33	62	9	18	29.09	29.87		
15	OVC	021			1.50	23	21	22	92	0	00	29.19	29.98	15	CLR	NC			10.00	43	27	37	53	10	20	28.99	29.77		
18	OVC	028			2.50	22	21	22	96	0	00	29.15	29.94	18	CLR	NC			10.00	40	27	35	60	12	19	28.91	29.68		
21	OVC	100			6.00	20	18	19	92	12	28	29.14	29.93	21	CLR	NC			10.00	41	27	35	57	16	20	28.90	29.67		
24	CLR	NC			8.00	16	12	15	84	15	28	29.18	29.96	24	CLR	NC			10.00	38	28	34	68	15	21	28.88	29.65		
SUNRISE: 0724 JAN 17 SUNSET: 1641						SUNRISE: 0720 JAN 23 SUNSET: 1649																							
03	CLR	NC			9.00	13	9	12	84	13	27	29.22	30.01	03	CLR	NC			10.00	34	27	31	76	6	21	28.89	29.65		
06	CLR	NC			7.00	8	5	7	87	10	28	29.25	30.04	06	CLR	NC			10.00	28	25	27	88	6	19	28.91	29.68		
09	CLR	NC			5.00	9	6	8	88	6	27	29.30	30.09	09	CLR	NC			9.00	32	26	30	79	8	36	29.02	29.79		
12	CLR	NC			7.00	17	10	15	74	9	24	29.30	30.09	12	CLR	NC			8.00	38	28	34	68	9	34	29.05	29.82		
15	CLR	NC			9.00	21	13	19	71	13	24	29.26	30.05	15	OVC	035			10.00	38	26	33	62	9	34	29.10	29.87		
18	CLR	NC			8.00	16	11	15	80	7	24	29.27	30.07	18	OVC	035			10.00	33	27	31	78	8	05	29.16	29.93		
21	BKN	043			10.00	17	10	15	74	14	27	29.28	30.08	21	OVC	033			10.00	31	28	30	89	8	03	29.21	29.98		
24	OVC	047			10.00	16	9	14	74	10	26	29.30	30.09	24	OVC	029			10.00	29	27	28	92	10	05	29.20	29.97		
SUNRISE: 0724 JAN 18 SUNSET: 1643						SUNRISE: 0719 JAN 24 SUNSET: 1650																							
03	FEW	NC			7.00	9	5	8	84	10	27	29.32	30.12	03	OVC	012			10.00	27	23	26	85	10	04	29.19	29.96		
06	CLR	NC			7.00	8	4	7	83	12	26	29.36	30.16	06	OVC	012			10.00	25	21	24	85	10	05	29.19	29.97		
09	CLR	NC			10.00	6	-1	5	73	13	31	29.43	30.24	09	OVC	032			8.00	26	21	24	81	0	00	29.22	30.00		
12	CLR	NC			10.00	9	-2	7	61	10	28	29.44	30.24	12	BKN	022			10.00	29	21	26	72	12	25	29.19	29.97		
15	CLR	NC			10.00	9	-2	7	61	9	25	29.43	30.24	15	CLR	NC			10.00	29	20	26	69	13	24	29.14	29.92		
18	CLR	NC			10.00	2	-5	1	72	6	23	29.40	30.21	18	CLR	NC			8.00	27	21	25	78	7	21	29.12	29.91		
21	CLR	NC			10.00	-1	-6	-2	79	7	22	29.39	30.20	21	BKN	085			10.00	31	21	27	67	10	24	29.11	29.88		
24	CLR	NC			10.00	-3	-6	-3	87	8	21	29.32	30.13	24	CLR	NC			10.00	27	19	24	72	8	24	29.13	29.91		

## OBSERVATIONS AT 3-HOURLY INTERVALS

## GREEN BAY, WI

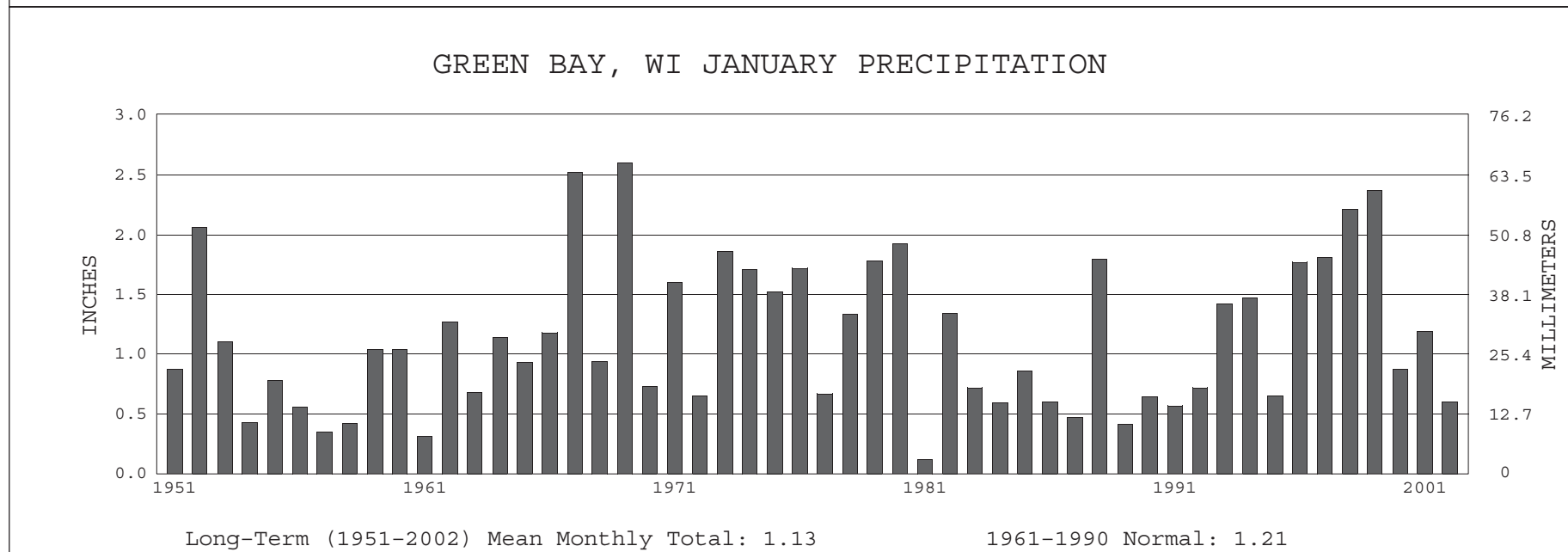
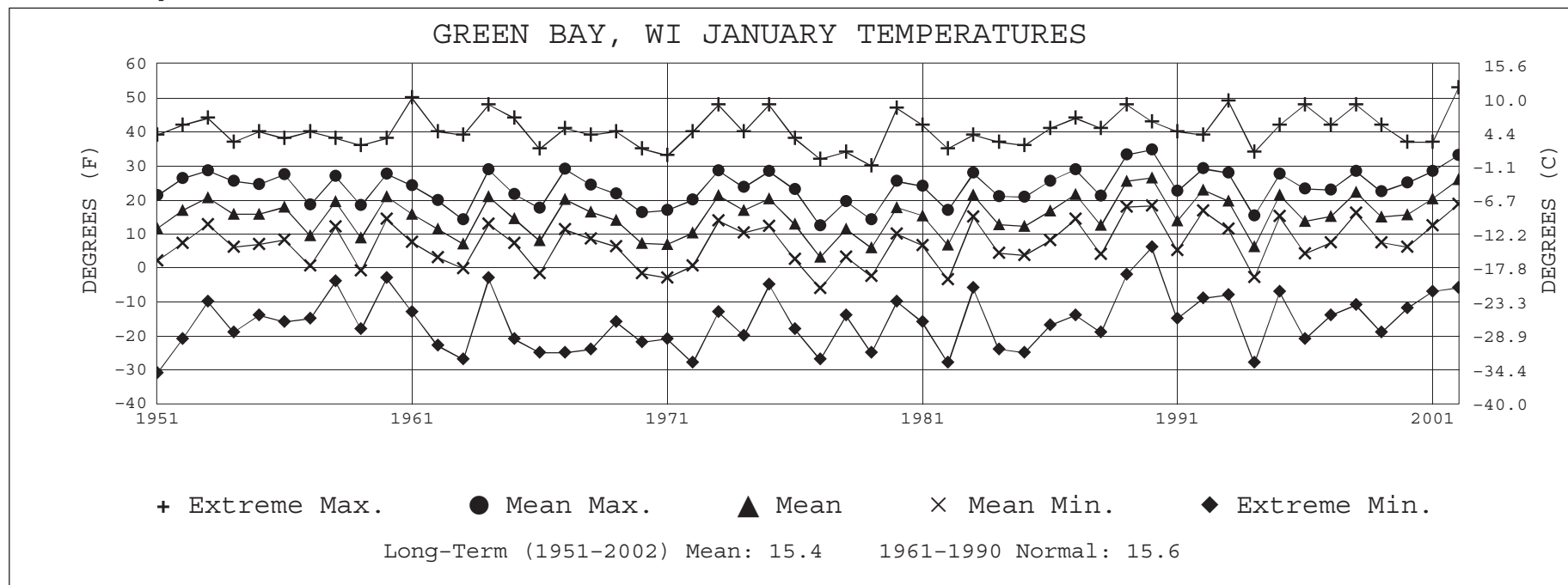
JANUARY 2002

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: 0718								JAN 25								SUNSET: 1652								JAN 26								SUNSET: 1700																																																																																																																																																																																																																																																																																																																																																
03	CLR	NC				10.00		24	19	22	81	8	21	29.13	29.91	03	OVC	015				2.00	-SN BR	26	23	25	88	12	05	29.49	30.28																																																																																																																																																																																																																																																																																																																																																	
06	CLR	NC				10.00		27	21	25	78	9	22	29.14	29.92	06	OVC	013				1.75	-SN BR	27	25	26	92	13	05	29.46	30.25																																																																																																																																																																																																																																																																																																																																																	
09	OVC	090				10.00		31	23	28	72	10	20	29.11	29.88	09	OVC	012				3.00	-SN BR	27	25	26	92	13	05	29.42	30.22																																																																																																																																																																																																																																																																																																																																																	
12	CLR	NC				10.00		39	23	33	53	16	22	29.03	29.80	12	OVC	009				2.50	-SN BR	28	25	27	88	16	04	29.38	30.17																																																																																																																																																																																																																																																																																																																																																	
15	CLR	NC				10.00		44	25	36	47	14	22	28.98	29.75	15	OVC	007				5.00	BR	29	27	28	92	21	05	29.30	30.08																																																																																																																																																																																																																																																																																																																																																	
18	CLR	NC				10.00		40	27	35	60	13	21	28.98	29.75	18	OVC	007				1.00	-SN BR	26	25	26	96	23	04	29.26	30.04																																																																																																																																																																																																																																																																																																																																																	
21	CLR	NC				10.00		40	27	35	60	12	22	29.01	29.78	21	OVC	006				0.75	-SN BR	27	26	27	96	18	04	29.14	29.92																																																																																																																																																																																																																																																																																																																																																	
24	CLR	NC				10.00		37	26	33	65	8	20	29.06	29.83	24	OVC	007				1.25	-SN BR	26	25	26	96	18	04	29.03	29.81																																																																																																																																																																																																																																																																																																																																																	
SUNRISE: 0717								JAN 26								SUNSET: 1653								<div>3-HOURLY OBSERVATION NOTES</div> <p>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.</p> <p>Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.</p> <p>NC= No ceiling detected.</p> <p>&amp; = Original observation contained additional weather elements.</p> <p>See page 3 for additional notes.</p>																																																																																																																																																																																																																																																																																																																																																								
03	CLR	NC				10.00		35	26	32	70	7	21	29.11	29.88																																																																																																																																																																																																																																																																																																																																																																	
06	CLR	NC				10.00		30	24	28	79	5	20	29.13	29.91																																																																																																																																																																																																																																																																																																																																																																	
09	CLR	NC				10.00		34	25	31	70	7	20	29.15	29.92																																																																																																																																																																																																																																																																																																																																																																	
12	CLR	NC				10.00		41	28	36	60	6	18	29.13	29.90																																																																																																																																																																																																																																																																																																																																																																	
15	CLR	NC				10.00		45	29	38	54	8	19	29.09	29.85																																																																																																																																																																																																																																																																																																																																																																	
18	CLR	NC				10.00		33	28	31	82	5	14	29.10	29.88																																																																																																																																																																																																																																																																																																																																																																	
21	CLR	NC				10.00		33	28	31	82	0	00	29.09	29.86																																																																																																																																																																																																																																																																																																																																																																	
24	CLR	NC				10.00		36	28	33	73	5	22	29.08	29.85																																																																																																																																																																																																																																																																																																																																																																	
SUNRISE: 0716								JAN 27								SUNSET: 1655																																																																																																																																																																																																																																																																																																																																																																
03	CLR	NC				10.00		36	27	32	70	6	20	29.04	29.81																																																																																																																																																																																																																																																																																																																																																																	
06	CLR	NC				10.00		36	27	32	70	5	20	29.03	29.80																																																																																																																																																																																																																																																																																																																																																																	
09	CLR	NC				9.00		37	30	34	76	7	22	29.06	29.83																																																																																																																																																																																																																																																																																																																																																																	
12	CLR	NC				10.00		43	31	38	63	14	21	29.03	29.80																																																																																																																																																																																																																																																																																																																																																																	
15	CLR	NC				10.00		45	31	39	58	13	20	29.00	29.76																																																																																																																																																																																																																																																																																																																																																																	
18	CLR	NC				10.00		40	31	36	70	6	21	29.02	29.79																																																																																																																																																																																																																																																																																																																																																																	
21	CLR	NC				8.00		39	30	35	70	6	22	29.05	29.82																																																																																																																																																																																																																																																																																																																																																																	
24	CLR	NC				7.00		33	31	32	92	5	22	29.10	29.86																																																																																																																																																																																																																																																																																																																																																																	
SUNRISE: 0715								JAN 28								SUNSET: 1656								<div>SUMMARY BY HOUR</div> <table><thead><tr><th rowspan="3">HOUR (LST)</th><th colspan="10">AVERAGES</th><th colspan="2" rowspan="2">RESULTANT WIND (MPH)</th></tr><tr><th rowspan="2">CEILOMETER</th><th rowspan="2">EFF CLD AMT</th><th rowspan="2">DRY BULB</th><th rowspan="2">DEW POINT</th><th rowspan="2">WET BULB</th><th rowspan="2">RELATIVE HUMIDITY</th><th colspan="2">PRESSURE (INCHES, HG)</th><th rowspan="2">VISIBILITY (MILES)</th><th rowspan="2">WIND SPEED (MPH)</th></tr><tr><th>STATION</th><th>SEA LEVEL</th></tr></thead><tbody><tr><td>01</td><td></td><td></td><td>24</td><td>19</td><td>22</td><td>81</td><td>29.15</td><td>29.93</td><td>8.73</td><td>9</td><td>4</td><td>26</td></tr><tr><td>02</td><td></td><td></td><td>24</td><td>19</td><td>22</td><td>81</td><td>29.16</td><td>29.94</td><td>8.51</td><td>8</td><td>3</td><td>26</td></tr><tr><td>03</td><td></td><td></td><td>23</td><td>18</td><td>22</td><td>82</td><td>29.16</td><td>29.94</td><td>8.40</td><td>9</td><td>4</td><td>27</td></tr><tr><td>04</td><td></td><td></td><td>23</td><td>18</td><td>22</td><td>82</td><td>29.16</td><td>29.94</td><td>8.48</td><td>9</td><td>4</td><td>27</td></tr><tr><td>05</td><td></td><td></td><td>23</td><td>18</td><td>21</td><td>83</td><td>29.16</td><td>29.94</td><td>8.29</td><td>8</td><td>4</td><td>27</td></tr><tr><td>06</td><td></td><td></td><td>23</td><td>18</td><td>21</td><td>84</td><td>29.16</td><td>29.94</td><td>8.35</td><td>8</td><td>3</td><td>26</td></tr><tr><td>07</td><td></td><td></td><td>23</td><td>18</td><td>21</td><td>83</td><td>29.16</td><td>29.95</td><td>8.27</td><td>8</td><td>3</td><td>27</td></tr><tr><td>08</td><td></td><td></td><td>23</td><td>18</td><td>21</td><td>84</td><td>29.18</td><td>29.96</td><td>7.81</td><td>8</td><td>3</td><td>28</td></tr><tr><td>09</td><td></td><td></td><td>24</td><td>19</td><td>23</td><td>80</td><td>29.18</td><td>29.97</td><td>7.95</td><td>9</td><td>4</td><td>27</td></tr><tr><td>10</td><td></td><td></td><td>26</td><td>20</td><td>24</td><td>76</td><td>29.19</td><td>29.97</td><td>8.04</td><td>11</td><td>5</td><td>27</td></tr><tr><td>11</td><td></td><td></td><td>28</td><td>20</td><td>26</td><td>72</td><td>29.18</td><td>29.97</td><td>7.81</td><td>11</td><td>5</td><td>26</td></tr><tr><td>12</td><td></td><td></td><td>30</td><td>21</td><td>27</td><td>69</td><td>29.16</td><td>29.94</td><td>8.16</td><td>12</td><td>6</td><td>26</td></tr><tr><td>13</td><td></td><td></td><td>31</td><td>21</td><td>27</td><td>69</td><td>29.14</td><td>29.92</td><td>8.50</td><td>11</td><td>5</td><td>27</td></tr><tr><td>14</td><td></td><td></td><td>32</td><td>21</td><td>28</td><td>67</td><td>29.13</td><td>29.91</td><td>8.74</td><td>12</td><td>4</td><td>26</td></tr><tr><td>15</td><td></td><td></td><td>32</td><td>21</td><td>28</td><td>67</td><td>29.14</td><td>29.92</td><td>8.73</td><td>11</td><td>4</td><td>26</td></tr><tr><td>16</td><td></td><td></td><td>31</td><td>21</td><td>28</td><td>69</td><td>29.14</td><td>29.92</td><td>8.57</td><td>11</td><td>3</td><td>26</td></tr><tr><td>17</td><td></td><td></td><td>29</td><td>21</td><td>26</td><td>72</td><td>29.15</td><td>29.93</td><td>8.68</td><td>9</td><td>2</td><td>25</td></tr><tr><td>18</td><td></td><td></td><td>28</td><td>21</td><td>25</td><td>75</td><td>29.15</td><td>29.93</td><td>8.73</td><td>10</td><td>1</td><td>25</td></tr><tr><td>19</td><td></td><td></td><td>27</td><td>21</td><td>25</td><td>77</td><td>29.15</td><td>29.93</td><td>8.48</td><td>10</td><td>2</td><td>26</td></tr><tr><td>20</td><td></td><td></td><td>27</td><td>20</td><td>25</td><td>77</td><td>29.15</td><td>29.93</td><td>8.79</td><td>10</td><td>3</td><td>27</td></tr><tr><td>21</td><td></td><td></td><td>27</td><td>20</td><td>25</td><td>77</td><td>29.15</td><td>29.93</td><td>8.93</td><td>10</td><td>4</td><td>26</td></tr><tr><td>22</td><td></td><td></td><td>26</td><td>20</td><td>24</td><td>78</td><td>29.15</td><td>29.93</td><td>8.95</td><td>10</td><td>3</td><td>27</td></tr><tr><td>23</td><td></td><td></td><td>26</td><td>20</td><td>24</td><td>80</td><td>29.15</td><td>29.93</td><td>8.76</td><td>10</td><td>3</td><td>27</td></tr><tr><td>24</td><td></td><td></td><td>25</td><td>20</td><td>23</td><td>80</td><td>29.15</td><td>29.93</td><td>8.46</td><td>10</td><td>3</td><td>26</td></tr></tbody></table>								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)	STATION	SEA LEVEL	01			24	19	22	81	29.15	29.93	8.73	9	4	26	02			24	19	22	81	29.16	29.94	8.51	8	3	26	03			23	18	22	82	29.16	29.94	8.40	9	4	27	04			23	18	22	82	29.16	29.94	8.48	9	4	27	05			23	18	21	83	29.16	29.94	8.29	8	4	27	06			23	18	21	84	29.16	29.94	8.35	8	3	26	07			23	18	21	83	29.16	29.95	8.27	8	3	27	08			23	18	21	84	29.18	29.96	7.81	8	3	28	09			24	19	23	80	29.18	29.97	7.95	9	4	27	10			26	20	24	76	29.19	29.97	8.04	11	5	27	11			28	20	26	72	29.18	29.97	7.81	11	5	26	12			30	21	27	69	29.16	29.94	8.16	12	6	26	13			31	21	27	69	29.14	29.92	8.50	11	5	27	14			32	21	28	67	29.13	29.91	8.74	12	4	26	15			32	21	28	67	29.14	29.92	8.73	11	4	26	16			31	21	28	69	29.14	29.92	8.57	11	3	26	17			29	21	26	72	29.15	29.93	8.68	9	2	25	18			28	21	25	75	29.15	29.93	8.73	10	1	25	19			27	21	25	77	29.15	29.93	8.48	10	2	26	20			27	20	25	77	29.15	29.93	8.79	10	3	27	21			27	20	25	77	29.15	29.93	8.93	10	4	26	22			26	20	24	78	29.15	29.93	8.95	10	3	27	23			26	20	24	80	29.15	29.93	8.76	10	3	27	24			25	20	23	80	29.15	29.93	8.46	10	3	26
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)																																																																																																																																																																																																																																																																																																																																																																					
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JANUARY 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.*

DIRECTOR

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