



# FEBRUARY 2002

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

## LA CROSSE, WI

MUNICIPAL AIRPORT (LSE)

Lat: 43°45' N Long: 91°15' W Elev (Ground): 655 Feet

Time Zone: CENTRAL WBAN: 14920 ISSN #:0198-571X

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	29	14	22	4	15	21	43	0	SN BR	5		2.5	0.16	29.49	30.25	8.1	33	10.5	21	34	17	34	01			
02	36	10	23	4	18	22	42	0	BR	5		0.0	0.00	29.46	30.22	9.2	20	12.0	37	21	24	22	02			
03	29	9	19	0	14	19	46	0		3		0.0	0.00	29.43	30.18	7.0	32	10.4	24	32	22	32	03			
04	22	0*	11*	-9	2	10	54	0		3		0.0	0.00	29.75	30.53	3.7	21	6.4	20	21	16	20	04			
05	32	11	22	2	11	18	43	0	BR HZ	3		0.0	0.00	29.57	30.34	3.1	20	4.3	21	20	18	20	05			
06	40	16	28	8	21	25	37	0	BR HZ	2		0.0	0.00	29.31	30.06	8.6	19	9.0	21	23	18	22	06			
07	43	19	31	11	25	30	34	0	FG+ FZFG BR	2		0.0	0.00	29.25	29.99	6.0	19	6.7	20	18	16	21	07			
08	51	28	40	20	27	34	25	0		1		0.0	0.00	29.25	29.98	6.5	17	7.3	18	14	16	16	08			
09	44	34	39	18	31	36	26	0	RA SN BR HZ	T		0.2	0.14	29.25	29.97	6.8	09	8.6	20	06	15	05	09			
10	36	21	29	8	23	28	36	0	RA SN BR	1		1.1	0.17	29.54	30.28	11.0	36	11.4	30	02	22	34	10			
11	42	19	31	10	20	27	34	0		T		0.0	0.00	29.27	30.01	11.0	21	15.0	38	31	30	20	11			
12	40	17	29	7	16	27	36	0	SN UP	T		T	T	29.28	30.02	15.9	32	17.0	41*	30	31	31	12			
13	44	15	30	8	17	26	35	0		0		0.0	0.00	29.48	30.23	9.7	21	10.6	30	25	25	25	13			
14	51	32	42	20	23	34	23	0		0		0.0	0.00	29.11	29.84	14.1	21	15.0	40	21	32*	20	14			
15	44	33	39	16	27	34	26	0	SN BR	T		0.1	0.02	29.13	29.85	9.8	29	11.1	25	32	20	32	15			
16	43	30	37	14	23	32	28	0	RA UP	0		T	T	29.23	29.95	11.7	33	12.5	29	34	24	34	16			
17	41	19	30	7	18	27	35	0		0		0.0	0.00	29.46	30.21	5.6	18	7.7	20	18	16	18	17			
18	48	34	41	17	30	36	24	0	RA BR	0		0.0	0.52	29.20	29.92	9.5	17	10.3	25	20	21	18	18			
19	43	38	41	17	40	41	24	0	RA BR	0		0.0	0.96	28.99	29.70	3.3	13	5.6	12	10	10	14	19			
20	39	29	34	10	33	33	31	0	RA SN BR	0		1.2	0.15	28.87	29.59	12.3	34	12.4	23	34	20	33	20			
21	34	21	28	3	22	27	37	0	SN UP	1		0.1	0.01	29.39	30.14	12.9	36	12.9	25	01	21	35	21			
22	39	13	26	1	16	24	39	0		1		0.0	0.00	29.50	30.25	4.2	17	5.9	17	19	14	18	22			
23	51	36	44*	19	28	36	21	0	RA	0		0.0	T	29.15	29.87	11.6	19	11.9	24	19	21	19	23			
24	54*	32	43	17	32	37	22	0	RA	0		0.0	T	29.08	29.80	4.2	02	8.1	24	35	21	35	24			
25	33	22	28	2	19	26	37	0	SN	0		T	T	29.36	30.10	15.1	35	15.2	26	34	23	34	25			
26	22	17	20	-6	13	18	45	0	SN BR	T		1.0	0.07	29.32	30.07	17.4	34	17.5	28	33	23	33	26			
27	24	10	17	-10	5	14	48	0		1		0.0	0.00	29.35	30.12	8.0	33	10.4	24	34	22	34	27			
28	30	18	24	-3	11	20	41	0	SN	T		T	T	29.27	30.02	8.9	30	11.5	23	30	22	29	28			
< MONTHLY AVERAGES										TOTALS-->		6.2	2.20	29.31	30.05	2.7	29	10.6	<-- MONTHLY AVERAGES							
6.3										8.5		7.4		DEPARTURE FROM NORMAL		1.21		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.11				DATE :18-19				SEA LEVEL PRESSURE				DATE TIME					
MONTHLY									GREATEST 24-HR SNOWFALL: 2.5				DATE :01				MAXIMUM				30.63					
SEASON TO DATE									GREATEST SNOW DEPTH: 5				DATE :02+				MINIMUM				29.50					
TOTAL DEPARTURE									NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 23				PRECIPITATION ≥ 0.01 INCH : 9					
HEATING: 972									MAXIMUM TEMP ≤ 32 : 7				MINIMUM TEMP ≤ 32 : 7				PRECIPITATION ≥ 0.10 INCH : 6									
COOLING: 0									THUNDERSTORMS : 0				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH : 4									

FEBRUARY 2002  
LA CROSSE, WI

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

FEBRUARY 2002

LSE

WBAN # 14920

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	T	T	T	T	T							01												01	T	0.16	
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													07												07		0.00	
08													08												08		0.00	
09													09										T	0.04	0.10	0.09	0.14	
10	0.05	0.05	0.02	0.02	0.02	0.01							10												10		0.17	
11													11												11		0.00	
12										T	T	T	12												12	T	T	
13													13												13		0.00	
14													14												14		0.00	
15				T	0.02								15												15		0.02	
16					T	T							16												16		T	
17													17												17		0.00	
18													18			0.06	0.01	T	T	0.07	0.10	0.13	0.05	0.04	0.06	18		0.52
19	0.10	0.04	0.04	0.06	0.05	0.01	0.01	0.01	0.05	0.02	0.01		19			T	0.01	0.07	0.13	0.12	0.06	0.10	0.04	0.03	T	19		0.96
20				T	0.01		T	0.02	T			T	20					T	T	T	0.01	T	0.01	T	0.01	20	0.06	0.15
21				T		T							21												21	T	0.01	
22													22												22		0.00	
23											T	T	23												23		T	
24													24								T	T			24		T	
25													25									T			25		T	
26	T	T	T	T	T	T	T	T	T	T	T	T	26	T	T	T	T	T	T	T					26	T	0.07	
27													27												27		0.00	
28											T		28												28		T	

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.03	.04	.06	.07	.10	.14	.16	.20	.23	.26	.31	.35
Ending Date	18	18	18	18	18	18	18	19	19	19	19	19
Ending Time (Hour/Min)	2047	2051	2055	2058	2051	2103	2110	1826	1843	1902	1843	1915

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

**LA CROSSE, WI  
FEBRUARY 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.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							1.50	10.00	
02							2.00	10.00	
03							9.00	10.00	
04							10.00	10.00	
05							5.00	10.00	
06							2.50	10.00	
07							.25	10.00	
08							7.00	10.00	
09							3.00	10.00	
10							1.50	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							2.50	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							3.00	10.00	
19							.75	6.00	
20							1.50	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							7.00	10.00	
25							8.00	10.00	
26							1.25	10.00	
27							10.00	10.00	
28							10.00	10.00	
<b>MONTHLY AVGS</b>							6.57	9.86	
<p align="center"><b>SUNSHINE (MINUTES)</b></p> <p>Total:                  Possible:</p> <p>                              Percent Possible:</p>									
<p align="center"><b>NUMBER OF DAYS WITH:</b></p> <p align="center"><b>SKY CONDITION</b></p> <p align="center">CLR   PTLY CLDY   CLOUDY   MISSING</p> <p align="center">28</p> <p align="center"><b>MINIMUM VISIBILITY (MILES)</b></p> <p align="center">&lt;=0.25      &lt;=3.0      &gt;=7.0</p> <p align="center">0                     10                  17</p>									

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

FEBRUARY 2002

LSE

WBAN # 14920

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: 0722 FEB 01 SUNSET: 1716						SUNRISE: 0715 FEB 07 SUNSET: 1724																							
03	OVC	029			2.00	-SN BR	23	21	22	92	13	34	29.22	29.97	03	CLR	NC			6.00	BR	26	24	25	92	8	19	29.22	29.95
06	OVC	021			10.00		22	18	21	85	14	34	29.32	30.07	06	CLR	NC			2.50	BR	21	20	21	96	0	00	29.26	30.00
09	CLR	NC			10.00		22	17	20	82	15	33	29.45	30.20	09	CLR	NC			6.00	BR	27	26	27	96	0	00	29.31	30.06
12	CLR	NC			10.00		27	18	24	69	13	34	29.53	30.28	12	CLR	NC			10.00		38	26	33	62	0	00	29.32	30.06
15	CLR	NC			10.00		29	14	24	54	9	33	29.57	30.33	15	CLR	NC			10.00		43	27	37	53	9	18	29.26	29.99
18	CLR	NC			10.00		23	12	20	63	10	28	29.65	30.41	18	CLR	NC			10.00		38	25	33	60	9	17	29.25	29.98
21	CLR	NC			10.00		19	10	17	68	7	17	29.67	30.43	21	CLR	NC			10.00		35	26	32	70	12	19	29.20	29.94
24	CLR	NC			10.00		15	10	14	80	7	18	29.69	30.45	24	CLR	NC			10.00		33	25	30	72	8	20	29.21	29.94
SUNRISE: 0721 FEB 02 SUNSET: 1717						SUNRISE: 0714 FEB 08 SUNSET: 1725																							
03	CLR	NC			7.00		14	11	13	88	9	18	29.63	30.40	03	CLR	NC			9.00		31	25	29	79	9	19	29.21	29.93
06	CLR	NC			6.00	BR	10	8	10	92	9	16	29.60	30.37	06	CLR	NC			9.00		29	24	27	82	9	19	29.24	29.97
09	OVC	005			2.00	BR	18	16	17	92	14	18	29.55	30.31	09	CLR	NC			8.00		31	25	29	79	8	18	29.28	30.01
12	CLR	NC			9.00		27	19	24	72	14	18	29.44	30.20	12	CLR	NC			10.00		41	28	36	60	7	16	29.28	30.01
15	CLR	NC			10.00		34	22	30	61	20	19	29.32	30.07	15	CLR	NC			10.00		50	28	41	43	7	19	29.24	29.96
18	OVC	055			10.00		33	22	29	64	13	24	29.33	30.09	18	CLR	NC			10.00		47	28	39	48	6	11	29.24	29.96
21	OVC	028			10.00		32	25	29	75	6	27	29.34	30.09	21	CLR	NC			10.00		38	28	34	68	8	15	29.25	29.98
24	BKN	022			10.00		29	22	27	75	9	32	29.35	30.11	24	CLR	NC			7.00		37	30	34	76	8	12	29.28	30.00
SUNRISE: 0720 FEB 03 SUNSET: 1718						SUNRISE: 0712 FEB 09 SUNSET: 1727																							
03	CLR	NC			10.00		23	19	22	85	5	28	29.37	30.12	03	CLR	NC			5.00	HZ	35	30	33	82	9	12	29.23	29.95
06	CLR	NC			10.00		19	16	18	88	5	20	29.37	30.13	06	CLR	NC			4.00	BR	34	30	32	85	9	13	29.22	29.94
09	CLR	NC			10.00		22	18	21	85	9	20	29.33	30.08	09	CLR	NC			4.00	HZ	36	30	34	79	6	11	29.24	29.97
12	OVC	065			10.00		29	21	26	72	15	33	29.34	30.09	12	CLR	NC			6.00	HZ	41	32	37	70	9	09	29.25	29.97
15	SCT	NC			10.00		27	15	23	61	16	32	29.37	30.13	15	BKN	028			8.00		44	32	39	63	13	09	29.24	29.96
18	CLR	NC			10.00		19	8	16	62	12	35	29.48	30.25	18	BKN	120			10.00		42	32	38	68	9	07	29.25	29.97
21	CLR	NC			10.00		15	5	13	64	12	34	29.57	30.34	21	OVC	017			5.00	HZ	39	32	36	76	10	04	29.29	30.01
24	CLR	NC			10.00		10	-1	8	61	5	36	29.67	30.43	24	OVC	009			4.00	-RA BR	35	31	33	85	9	01	29.30	30.03
SUNRISE: 0719 FEB 04 SUNSET: 1720						SUNRISE: 0711 FEB 10 SUNSET: 1728																							
03	CLR	NC			10.00		7	-1	6	70	3	34	29.72	30.50	03	OVC	009			2.50	-SN BR	33	31	32	92	12	35	29.30	30.03
06	CLR	NC			10.00		1	-4	0	79	3	02	29.79	30.57	06	OVC	017			10.00		34	31	33	89	12	36	29.39	30.13
09	CLR	NC			10.00		6	-1	5	73	0	00	29.82	30.60	09	OVC	027			10.00		33	27	31	78	15	36	29.52	30.26
12	CLR	NC			10.00		14	2	11	58	0	00	29.83	30.61	12	FEW	NC			10.00		33	23	29	67	16	36	29.57	30.32
15	CLR	NC			10.00		22	5	18	48	7	22	29.76	30.54	15	FEW	NC			10.00		35	19	30	52	20	35	29.60	30.34
18	CLR	NC			10.00		18	4	15	54	10	22	29.72	30.50	18	CLR	NC			10.00		29	15	25	56	10	36	29.67	30.42
21	CLR	NC			10.00		15	5	13	64	8	19	29.70	30.48	21	CLR	NC			10.00		26	15	23	63	0	00	29.71	30.46
24	CLR	NC			10.00		14	5	12	67	15	21	29.66	30.44	24	CLR	NC			10.00		23	16	21	74	3	18	29.69	30.45
SUNRISE: 0717 FEB 05 SUNSET: 1721						SUNRISE: 0710 FEB 11 SUNSET: 1729																							
03	CLR	NC			10.00		15	5	13	64	10	20	29.63	30.40	03	CLR	NC			10.00		20	17	19	89	5	14	29.63	30.39
06	CLR	NC			10.00		14	6	12	71	6	20	29.62	30.39	06	CLR	NC			10.00		21	18	20	88	12	18	29.56	30.31
09	CLR	NC			10.00		17	8	15	68	7	21	29.62	30.39	09	CLR	NC			10.00		25	18	23	75	15	19	29.45	30.20
12	CLR	NC			10.00		24	11	20	57	0	00	29.60	30.37	12	CLR	NC			10.00		34	18	29	52	17	18	29.26	30.00
15	CLR	NC			10.00		31	16	26	54	5	36	29.54	30.30	15	CLR	NC			10.00		39	16	31	39	22	20	29.04	29.77
18	CLR	NC			10.00		24	16	22	71	0	00	29.53	30.29	18	CLR	NC			10.00		37	21	31	52	18	19	28.98	29.72
21	CLR	NC			7.00		18	15	17	88	3	14	29.49	30.27	21	CLR	NC			10.00		39	27	34	62	16	27	28.96	29.69
24	CLR	NC			5.00	BR	20	16	19	85	6	17	29.45	30.21	24	OVC	037			10.00		40	28	35	63	24	31	28.99	29.72
SUNRISE: 0716 FEB 06 SUNSET: 1722						SUNRISE: 0708 FEB 12 SUNSET: 1731																							
03	CLR	NC			4.00	BR	16	14	15	92	6	17	29.42	30.17	03	OVC	037			10.00		37	25	32	62	23	31	29.06	29.78
06	CLR	NC			4.00	BR	18	15	17	88	8	18	29.38	30.14	06	OVC	046			10.00		34	22	30	61	18	32	29.14	29.87
09	CLR	NC			2.50	BR	20	16	19	85	10	19	29.35	30.12	09	OVC	050			10.00		34	24	30	67	16	27	29.17	29.90
12	CLR	NC			4.00	HZ	30	22	27	72	12	19	29.32	30.06	12	BKN	049			10.00		39	17	31	41	23	30	29.21	29.94
15	CLR	NC			10.00		40	25	34	55	10	20	29.23	29.97	15	FEW	NC			10.00		35	10	27	35	26	33	29.31	30.03
18	CLR	NC			9.00		36	26	32	67	13	20	29.21	29.95	18	CLR	NC			10.00		28	7	22	41	15	35	29.44	30.19
21	CLR	NC			7.00		30	26	29	85	9	19	29.22	29.97	21	CLR	NC			10.00		21	6	17	52	8	36	29.54	30.29
24	CLR	NC			6.00	BR	28	25	27	88	0	00	29.22	29.96	24	CLR	NC			10.00		19	7	16	59	5	29	29.59	30.34

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

FEBRUARY 2002

LSE

WBAN # 14920

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: 0707				FEB 13		SUNSET: 1732				SUNRISE: 0658				FEB 19		SUNSET: 1740														
03	CLR	NC			10.00		17	10	15	74	5	20	29.59	30.35	03	OVC	011			4.00	-RA	BR	41	40	41	96	7	15	29.09	29.81
06	CLR	NC			10.00		17	11	15	77	3	20	29.59	30.35	06	OVC	013			5.00	-RA	BR	41	39	40	93	7	12	29.06	29.78
09	FEW	NC			10.00		23	14	20	68	12	19	29.57	30.33	09	OVC	009			3.00	-RA	BR	41	40	41	96	6	11	29.02	29.74
12	CLR	NC			10.00		36	19	30	50	15	22	29.52	30.27	12	OVC	009			4.00	BR		42	41	42	96	6	11	28.99	29.70
15	CLR	NC			10.00		44	19	35	37	15	26	29.41	30.16	15	OVC	011			2.50	BR		43	42	43	97	8	10	28.93	29.65
18	CLR	NC			10.00		38	20	31	48	14	23	29.37	30.12	18	OVC	015			4.00	RA	BR	43	42	43	97	0	00	28.92	29.64
21	CLR	NC			10.00		35	23	31	61	12	20	29.36	30.11	21	OVC	007			1.25	-RA	BR	40	39	40	97	5	29	28.90	29.62
24	CLR	NC			10.00		34	24	30	67	12	20	29.32	30.05	24	OVC	008			5.00	BR		39	38	39	96	6	34	28.85	29.57
SUNRISE: 0705				FEB 14		SUNSET: 1733				SUNRISE: 0656				FEB 20		SUNSET: 1742														
03	CLR	NC			10.00		33	22	29	64	10	19	29.28	30.00	03	OVC	006			10.00			38	37	38	97	8	36	28.82	29.54
06	CLR	NC			10.00		34	21	29	59	12	18	29.21	29.93	06	OVC	004			4.00	BR		35	35	35	100	12	34	28.80	29.51
09	CLR	NC			10.00		39	21	32	48	16	20	29.16	29.89	09	OVC	008			7.00	-RA		35	33	34	93	10	34	28.80	29.51
12	CLR	NC			10.00		46	19	36	34	22	20	29.08	29.80	12	OVC	016			8.00			36	34	35	93	13	34	28.80	29.51
15	CLR	NC			10.00		48	22	38	36	17	21	29.05	29.77	15	OVC	017			10.00			34	31	33	89	16	33	28.83	29.55
18	CLR	NC			10.00		46	24	37	42	15	22	29.03	29.75	18	OVC	021			4.00	-SN	BR	32	29	31	88	16	33	28.91	29.64
21	CLR	NC			10.00		43	26	36	51	12	23	29.01	29.73	21	OVC	007			2.00	-SN	BR	31	29	30	92	15	34	28.98	29.71
24	CLR	NC			10.00		39	29	35	67	10	27	29.01	29.72	24	OVC	032			9.00			29	26	28	89	12	36	29.07	29.80
SUNRISE: 0704				FEB 15		SUNSET: 1735				SUNRISE: 0655				FEB 21		SUNSET: 1743														
03	FEW	NC			10.00		34	28	32	79	6	29	29.03	29.75	03	OVC	027			10.00			29	23	27	78	13	36	29.14	29.87
06	BKN	120			10.00		34	28	32	79	17	32	29.10	29.82	06	OVC	017			10.00	UP		29	24	27	82	14	36	29.23	29.96
09	OVC	031			10.00		34	28	32	79	14	32	29.19	29.92	09	OVC	017			10.00			28	22	26	78	15	01	29.34	30.09
12	SCT	NC			10.00		40	27	35	60	12	29	29.22	29.94	12	OVC	019			10.00			30	23	28	75	16	36	29.43	30.17
15	CLR	NC			10.00		43	25	36	49	10	28	29.18	29.90	15	CLR	NC			10.00			34	20	29	56	15	36	29.47	30.22
18	BKN	110			10.00		41	28	36	60	8	24	29.16	29.89	18	CLR	NC			10.00			31	20	27	64	14	36	29.54	30.29
21	OVC	060			10.00		42	27	36	55	9	25	29.12	29.85	21	CLR	NC			10.00			25	20	23	81	8	36	29.57	30.33
24	OVC	080			10.00		41	25	35	53	12	28	29.06	29.78	24	CLR	NC			10.00			22	17	20	82	6	36	29.59	30.35
SUNRISE: 0702				FEB 16		SUNSET: 1736				SUNRISE: 0653				FEB 22		SUNSET: 1744														
03	OVC	065			10.00		37	25	32	62	8	27	29.04	29.76	03	CLR	NC			10.00			17	13	16	84	6	01	29.59	30.35
06	OVC	027			10.00		36	29	33	76	21	34	29.09	29.81	06	CLR	NC			10.00			14	12	13	92	0	00	29.60	30.36
09	OVC	028			10.00		36	25	32	64	14	35	29.19	29.91	09	CLR	NC			10.00			22	17	20	82	0	00	29.59	30.35
12	CLR	NC			10.00		40	16	32	38	20	34	29.26	29.98	12	CLR	NC			10.00			32	17	27	54	8	17	29.54	30.29
15	OVC	048			10.00		39	21	32	48	17	32	29.28	30.01	15	CLR	NC			10.00			39	15	31	38	8	16	29.45	30.21
18	OVC	060			10.00		38	24	33	57	9	32	29.32	30.06	18	FEW	NC			10.00			36	18	30	48	8	18	29.42	30.17
21	OVC	065			10.00		35	24	31	64	9	35	29.35	30.09	21	OVC	100			10.00			35	22	30	59	9	16	29.36	30.11
24	CLR	NC			10.00		30	20	27	66	6	01	29.41	30.15	24	OVC	090			10.00			36	23	31	59	14	18	29.32	30.06
SUNRISE: 0701				FEB 17		SUNSET: 1738				SUNRISE: 0652				FEB 23		SUNSET: 1746														
03	CLR	NC			10.00		27	21	25	78	5	35	29.47	30.22	03	OVC	060			10.00			37	24	32	60	13	19	29.26	29.98
06	CLR	NC			10.00		20	17	19	89	3	02	29.50	30.25	06	OVC	095			10.00			37	24	32	60	16	18	29.20	29.93
09	CLR	NC			10.00		28	21	26	75	5	13	29.54	30.28	09	OVC	070			10.00			38	25	33	60	16	19	29.17	29.89
12	CLR	NC			10.00		35	15	28	44	9	18	29.55	30.29	12	CLR	NC			10.00			45	27	38	49	13	20	29.11	29.83
15	CLR	NC			10.00		41	13	32	32	14	20	29.46	30.20	15	FEW	NC			10.00			50	30	41	46	13	20	29.08	29.79
18	CLR	NC			10.00		37	16	30	42	9	18	29.41	30.16	18	CLR	NC			10.00			47	32	40	56	8	20	29.08	29.80
21	CLR	NC			10.00		36	18	30	48	9	18	29.37	30.11	21	CLR	NC			10.00			43	33	39	68	7	18	29.12	29.84
24	CLR	NC			10.00		35	22	30	59	15	18	29.34	30.08	24	CLR	NC			10.00			36	32	34	86	5	16	29.13	29.85
SUNRISE: 0659				FEB 18		SUNSET: 1739				SUNRISE: 0650				FEB 24		SUNSET: 1747														
03	CLR	NC			10.00		34	22	30	61	10	19	29.30	30.02	03	CLR	NC			10.00			35	32	34	89	6	15	29.13	29.85
06	CLR	NC			10.00		34	22	30	61	15	19	29.24	29.97	06	CLR	NC			9.00			35	33	34	93	5	01	29.14	29.85
09	CLR	NC			10.00		38	24	33	57	16	18	29.22	29.94	09	CLR	NC			10.00			41	33	38	74	3	10	29.11	29.83
12	CLR	NC			10.00		46	26	38	46	14	18	29.19																	

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

FEBRUARY 2002

LSE

WBAN # 14920

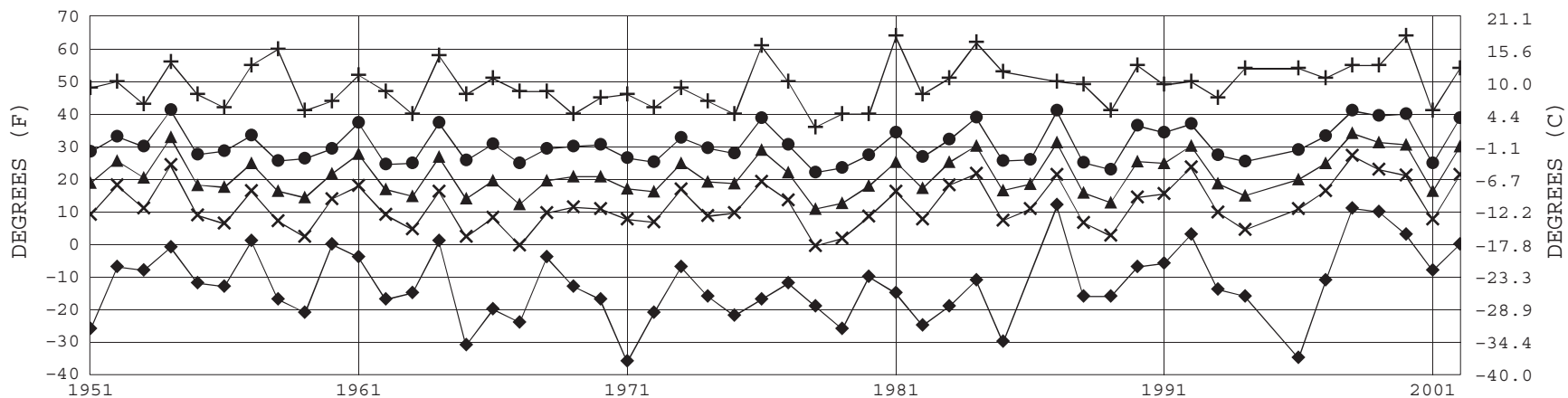
HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
03	OVC	021			SUNRISE: 0648								
06	OVC	025			FEB 25	33	26	30	75	15	35	29.22	29.94
09	OVC	025			SUNSET: 1748	32	23	29	69	17	36	29.30	30.02
12	OVC	025				30	20	27	66	15	36	29.36	30.10
15	OVC	037				29	19	26	66	18	34	29.41	30.16
18	OVC	039				32	17	27	54	12	36	29.39	30.13
21	OVC	037				28	15	24	58	13	35	29.42	30.16
24	OVC	041			-SN	24	16	22	71	16	34	29.42	30.17
						22	14	20	71	15	35	29.39	30.14
03	OVC	060			SUNRISE: 0647								
06	OVC	030			FEB 26	20	12	18	71	17	35	29.35	30.11
09	OVC	037			SUNSET: 1749	18	14	17	84	17	33	29.34	30.10
12	OVC	024			-SN BR	19	12	17	74	18	33	29.32	30.08
15	OVC	024			-SN	21	12	18	68	17	34	29.31	30.06
18	OVC	017			-SN	20	12	18	71	20	34	29.28	30.03
21	OVC	045			-SN BR	19	15	18	85	18	34	29.30	30.06
24	OVC	070				18	12	16	77	15	35	29.31	30.07
						18	9	16	68	13	35	29.31	30.06
03	CLR	NC			SUNRISE: 0645								
06	CLR	NC			FEB 27	15	4	12	61	18	34	29.31	30.07
09	CLR	NC			SUNSET: 1751	11	1	9	64	16	34	29.34	30.11
12	CLR	NC				13	0	10	56	12	34	29.39	30.16
15	CLR	NC				19	5	16	54	13	34	29.40	30.17
18	CLR	NC				23	6	19	48	9	30	29.37	30.13
21	CLR	NC				21	4	17	47	8	30	29.35	30.12
24	CLR	NC				19	6	16	57	5	20	29.33	30.10
						19	10	17	68	6	18	29.29	30.04
03	SCT	NC			SUNRISE: 0643								
06	OVC	055			FEB 28	19	10	17	68	5	18	29.22	29.98
09	OVC	047			SUNSET: 1752	21	8	18	57	0	00	29.17	29.92
12	OVC	038				24	15	21	68	13	30	29.19	29.94
15	OVC	042				27	13	23	55	15	31	29.22	29.96
18	FEW	NC				28	12	23	51	12	30	29.25	29.99
21	CLR	NC				25	12	21	58	13	31	29.32	30.07
24	CLR	NC				22	9	18	57	15	30	29.38	30.14
						18	6	15	60	14	34	29.46	30.22
					SUNRISE:								
					FEB 29								
					SUNSET:								
					SUNRISE:								
					FEB 30								
					SUNSET:								

### 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 Visiblity = 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			28	21	25	77	29.31	30.05	8.48	9	2	29
02			27	21	25	78	29.31	30.05	8.68	8	2	27
03			27	20	25	78	29.30	30.04	8.55	9	2	29
04			26	20	24	79	29.30	30.04	8.23	10	2	31
05			26	20	24	81	29.31	30.05	8.20	9	2	32
06			25	19	23	80	29.31	30.06	8.41	10	2	32
07			25	19	23	80	29.32	30.06	8.59	11	2	26
08			26	20	24	79	29.33	30.07	8.12	10	2	29
09			28	21	25	75	29.33	30.07	8.41	11	2	27
10			30	21	27	71	29.33	30.08	8.86	12	2	27
11			32	21	28	66	29.33	30.08	8.88	12	2	29
12			34	21	29	60	29.32	30.06	9.18	12	3	29
13			36	21	30	57	29.30	30.04	9.32	13	3	28
14			37	21	31	53	29.29	30.03	9.25	13	4	27
15			37	21	31	54	29.29	30.02	9.16	13	4	29
16			37	21	31	54	29.29	30.03	9.17	13	6	28
17			35	21	30	57	29.30	30.04	9.29	11	4	29
18			34	21	29	61	29.30	30.05	9.25	10	4	28
19			32	21	28	65	29.31	30.06	9.21	10	4	28
20			31	21	28	68	29.31	30.06	8.94	9	3	29
21			30	21	27	70	29.31	30.06	8.76	10	2	28
22			30	21	27	71	29.32	30.06	8.87	10	3	29
23			29	21	26	72	29.32	30.06	8.78	10	3	29
24			28	21	26	73	29.32	30.06	8.96	9	2	30

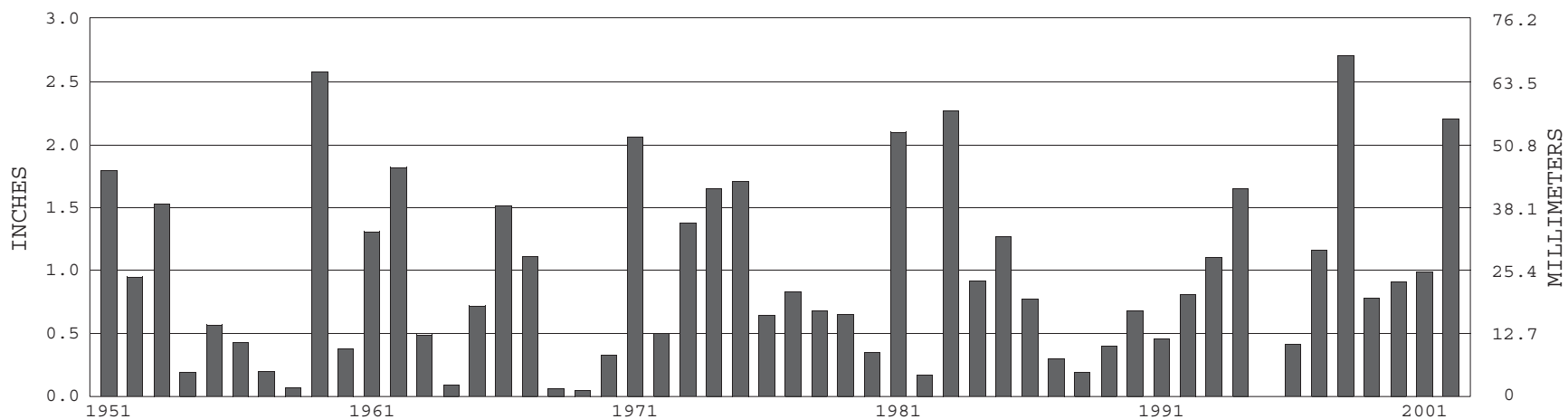
# LA CROSSE, WI FEBRUARY TEMPERATURES



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

Long-Term (1951-2002) Mean: 20.9    1961-1990 Normal: 22.6

# LA CROSSE, WI FEBRUARY PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 0.94

1961-1990 Normal: 0.99





FEBRUARY 2002

LA CROSSE, 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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