



# JANUARY 2001

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

## LA CROSSE, WI

MUNICIPAL AIRPORT (LSE)

Lat: 43° 45' N Long: 91° 15' W Elev (Ground): 654 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	19	-2	9	-6	4	8	56	0	BR	13		0.0	0.00	29.79	30.57	2.9	35	4.2	13	04	12	04	01	
02	16	-3	7	-8	3	7	58	0	SN BR HZ	13		0.2	0.01	29.74	30.53	10.0	20	10.3	25	20	22	21	02	
03	31	8	20	5	20	22	45	0	BR	13		0.0	0.00	29.37	30.13	6.7	33	9.3	21	33	18	33	03	
04	39	6	23	8	18	21	42	0	BR	13		0.0	0.00	29.10	29.85	6.9	20	11.9	35	22	31*	22	04	
05	37	10	24	9	19	25	41	0		12		0.0	0.00	29.04	29.77	12.0	32	13.2	36*	31	28	34	05	
06	38	16	27	13	22	27	38	0		11		0.0	0.00	28.95	29.69	4.1	27	10.7	29	33	24	33	06	
07	35	5	20	6	14	19	45	0		11		0.0	0.00	29.25	30.00	8.8	35	9.5	24	35	22	35	07	
08	23	4	14	0	10	13	51	0	SN BR	11		T	T	29.45	30.22	2.8	33	2.9	12	31	10	33	08	
09	24	1	13	-1	8	12	52	0	BR	11		0.0	0.00	29.51	30.29	7.5	18	7.8	16	19	14	19	09	
10	39*	17	28	14	22	27	37	0	HZ	11		0.0	0.00	29.29	30.03	11.7	19	11.8	20	20	18	21	10	
11	37	27	32	18	29	32	33	0	BR HZ	10		0.0	0.00	29.30	30.04	5.4	17	5.8	17	20	15	20	11	
12	36	34	35	21	32	34	30	0	BR	10		0.0	0.00	29.43	30.16	5.8	18	6.2	13	21	10	21	12	
13	35	33	34	20	30	33	31	0	BR HZ	9		0.0	0.00	29.37	30.10	6.7	15	7.7	22	16	15	12	13	
14	35	32	34	20	31	32	31	0	RA SN FG BR UP HZ	10		2.2	0.34	29.14	29.87	0.7	13	.8	21	13	15	13	14	
15	34	28	31	17	28	31	34	0	SN BR	9		0.1	0.01	29.22	29.96	8.2	30	8.4	22	31	18	31	15	
16	28	15	22	8	17	21	43	0	BR HZ	9		0.0	0.00	29.52	30.28	8.7	29	8.9	17	29	15	30	16	
17	21	14	18	4	11	16	47	0	BR HZ	9		0.0	0.00	29.50	30.27	6.1	25	9.2	25	21	22	22	17	
18	29	16	23	9	20	23	42	0	SN BR HZ	8		0.5	0.02	29.24	29.99	4.0	21	6.4	20	20	17	20	18	
19	27	-2	13	-1	6	12	52	0	SN	9		T	T	29.53	30.30	8.8	35	9.3	21	35	17	02	19	
20	15	-5*	5*	-9	-3	4	60	0		8		0.0	0.00	29.52	30.30	6.8	20	6.9	17	21	15	21	20	
21	19	-2	9	-5	4	8	56	0	BR HZ	8		0.0	0.00	29.61	30.39	0.8	23	2.4	10	19	10	19	21	
22	25	5	15	1	10	14	50	0	BR HZ	8		0.0	0.00	29.54	30.31	8.8	19	8.9	16	20	14	20	22	
23	33	14	24	10	19	23	41	0	BR	8		0.0	0.00	29.44	30.19	4.2	29	5.4	14	30	13	30	23	
24	23	7	15	1	10	16	50	0	SN	8		T	T	29.59	30.35	9.6	34	9.8	23	34	20	34	24	
25	24	3	14	0	4	12	51	0		8		0.0	0.00	29.58	30.35	9.2	19	9.3	22	18	17	18	25	
26	27	20	24	9	18	22	41	0	SN FG+ FZFG BR	8		1.2	0.14	29.19	29.94	3.0	31	11.0	28	35	24	35	26	
27	22	2	12	-3	7	12	53	0		8		0.0	0.00	29.51	30.28	4.8	21	7.5	21	21	18	20	27	
28	24	7	16	1	11	15	49	0	BR	8		0.0	0.00	29.50	30.26	4.8	18	5.1	10	18	9	18	28	
29	36	16	26	11	24	27	39	0	RA FZRA SN BR UP HZ	8		0.1	0.67	28.99	29.73	5.9	09	7.8	25	11	20	09	29	
30	37	33	35*	20	30	33	30	0		8		0.0	0.00	28.69	29.41	1.5	25	7.1	24	19	20	20	30	
31	33	19	26	10	23	27	39	0	SN BR	8		T	T	29.09	29.82	10.2	31	10.9	23	32	21	33	31	
29.1 12.2 20.7 ■■ 16.2 20.3 44.1 0.0 < MONTHLY AVERAGES TOTALS->												4.3	1.19	29.35	30.11	2.4	25	8.0	<- MONTHLY AVERAGES					
5.6 6.9 6.3 ■■ <-----DEPARTURE FROM NORMAL----->												0.26	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.67 DATE :29					SEA LEVEL PRESSURE DATE TIME										
MONTHLY TOTAL DEPARTURE 1367 -202									GREATEST 24-HR SNOWFALL: 2.2 DATE :14					MAXIMUM : 30.69 02 0553										
SEASON TO DATE TOTAL DEPARTURE 4544 89									GREATEST SNOW DEPTH: 13 DATE :04+					MINIMUM : 29.27 29 2353										
HEATING: 1367 -202									NUMBER OF DAYS WITH → MAXIMUM TEMP ≥ 90: 0					MINIMUM TEMP ≤ 32: 28					PRECIPITATION ≥ 0.01 INCH : 6					
COOLING: 0 0									MAXIMUM TEMP ≤ 32 :17					MINIMUM TEMP ≤ 0 : 5					PRECIPITATION ≥ 0.10 INCH : 3					
									THUNDERSTORMS : 0					HEAVY FOG : 1					SNOWFALL ≥ 1.0 INCH : 2					

JANUARY 2001  
LA CROSSE, WI

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

JANUARY 2001

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		01							T		T	T	T	01	T	0.00	
02													02												02		0.01	
03													03							T					03		0.00	
04													04												04		0.00	
05													05												05		0.00	
06													06												06		0.00	
07													07												07		0.00	
08								T	T	T	T	T	08												08		T	
09													09												09		0.00	
10													10												10		0.00	
11													11												11		0.00	
12													12												12		0.00	
13													13												13		0.00	
14	0.02	0.12	0.11	0.02	T	0.04	0.01				0.01	0.01	14	T	T	T									14	T	0.34	
15						T	T	T				T	15												15		0.01	
16													16												16		0.00	
17													17												17		0.00	
18										T	T		18									T	0.01	T	0.01	18		0.02
19	T	T	T										19												19		T	
20													20												20		0.00	
21													21												21		0.00	
22													22												22		0.00	
23													23												23		0.00	
24								T	T				24												24		T	
25													25												25		0.00	
26								T	T	0.01	0.02	0.02	26	T	0.01	T	T	T			T				26	0.08	0.14	
27													27												27		0.00	
28													28												28		0.00	
29		0.01											29			T	0.08	0.03	0.07	0.10	0.10	0.11	0.07	0.08	0.02	29		0.67
30													30												30		0.00	
31					T								31												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)	.03	.05	.06	.07	.10	.13	.17	.19	.22	.26	.30	.34
Ending Date	29	14	14	29	14	14	14	14	29	29	29	29
Ending Time (Hour/Min)	1840	0145	0149	1851	0205	0221	0235	0254	2014	2025	2045	2128

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**  
**JANUARY 2001**

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							.75	10.00	
02							1.50	10.00	
03							2.00	10.00	
04							6.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							4.00	10.00	
09							2.00	10.00	
10							5.00	10.00	
11							4.00	8.00	
12							2.50	10.00	
13							4.00	8.00	
14							.50	7.00	
15							1.25	10.00	
16							6.00	10.00	
17							5.00	10.00	
18							1.50	7.00	
19							8.00	10.00	
20							9.00	10.00	
21							4.00	10.00	
22							5.00	7.00	
23							2.50	10.00	
24							9.00	10.00	
25							10.00	10.00	
26							.25	10.00	
27							10.00	10.00	
28							6.00	10.00	
29							2.50	10.00	
30							9.00	10.00	
31							4.00	10.00	
<b>MONTHLY AVGS</b>							5.13	9.55	
<p align="center"><b>SUNSHINE (MINUTES)</b></p> <p>Total:                  Possible:</p> <p align="center">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">31</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                      9                      9</p>									

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

JANUARY 2001

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: 0739 JAN 01 SUNSET: 1639						SUNRISE: 0739 JAN 07 SUNSET: 1644																							
03	OVC	025			10.00	18	9	16	68	8	04	29.72	30.48	03	OVC	028			10.00	31	23	28	72	15	36	29.07	29.80		
06	CLR	NC			10.00	8	5	7	87	5	01	29.75	30.52	06	OVC	024			10.00	25	18	23	75	12	36	29.16	29.89		
09	CLR	NC			10.00	2	-1	1	88	0	00	29.79	30.57	09	OVC	024			10.00	22	14	20	71	12	35	29.24	29.98		
12	CLR	NC			10.00	14	8	13	77	8	32	29.80	30.57	12	BKN	022			10.00	21	14	19	74	13	33	29.28	30.02		
15	CLR	NC			10.00	17	8	15	68	9	32	29.78	30.55	15	CLR	NC			10.00	22	15	20	75	10	33	29.30	30.04		
18	CLR	NC			10.00	5	1	4	83	0	00	29.82	30.60	18	CLR	NC			10.00	15	9	14	77	3	VR	29.35	30.10		
21	CLR	NC			5.00	4	1	3	88	0	00	29.84	30.64	21	FEW	NC			10.00	10	6	9	84	3	11	29.37	30.14		
24	CLR	NC			9.00	2	-1	1	88	5	17	29.87	30.66	24	SCT	NC			9.00	10	8	10	92	0	00	29.38	30.14		
SUNRISE: 0739 JAN 02 SUNSET: 1639						SUNRISE: 0739 JAN 08 SUNSET: 1645																							
03	BKN	011			10.00	0	-4	-1	83	3	18	29.88	30.67	03	OVC	090			10.00	10	9	10	95	0	00	29.38	30.14		
06	OVC	008			9.00	5	2	4	87	5	21	29.89	30.69	06	OVC	080			10.00	14	10	13	84	0	00	29.40	30.16		
09	CLR	NC			8.00	4	1	3	88	7	18	29.87	30.67	09	OVC	055		-SN BR	4.00	15	11	14	84	3	35	29.43	30.19		
12	BKN	011			8.00	11	5	10	77	14	18	29.81	30.60	12	OVC	039			10.00	18	13	17	81	8	33	29.44	30.22		
15	CLR	NC			10.00	16	5	13	62	16	20	29.71	30.50	15	OVC	027			10.00	22	14	20	71	8	31	29.44	30.21		
18	CLR	NC			10.00	10	2	8	69	21	21	29.63	30.42	18	OVC	029			10.00	19	14	18	81	8	33	29.51	30.27		
21	OVC	015			4.00	12	7	11	80	13	21	29.54	30.33	21	CLR	NC			10.00	12	8	11	84	0	00	29.53	30.30		
24	OVC	018			7.00	15	11	14	84	15	22	29.44	30.21	24	CLR	NC			8.00	7	4	6	87	0	00	29.56	30.33		
SUNRISE: 0739 JAN 03 SUNSET: 1640						SUNRISE: 0738 JAN 09 SUNSET: 1647																							
03	OVC	010			3.00	19	17	18	92	6	20	29.37	30.13	03	CLR	NC			9.00	3	0	2	87	0	00	29.57	30.35		
06	OVC	016			9.00	29	25	28	85	10	31	29.35	30.10	06	CLR	NC			10.00	6	2	5	83	7	18	29.57	30.35		
09	OVC	016			10.00	30	26	29	85	12	32	29.35	30.11	09	CLR	NC		BR	5.00	7	4	6	87	10	19	29.58	30.36		
12	OVC	014			10.00	30	26	29	85	12	33	29.35	30.10	12	CLR	NC			9.00	17	10	15	74	8	18	29.56	30.34		
15	OVC	016			10.00	30	25	28	82	15	35	29.33	30.07	15	CLR	NC			10.00	23	12	20	63	12	20	29.48	30.25		
18	OVC	016			10.00	26	20	24	78	14	33	29.39	30.13	18	CLR	NC			10.00	20	12	18	71	12	20	29.45	30.23		
21	CLR	NC			10.00	14	9	13	80	7	02	29.43	30.19	21	CLR	NC			8.00	17	11	15	77	9	15	29.43	30.19		
24	CLR	NC			2.00	8	6	8	92	0	00	29.43	30.19	24	CLR	NC			8.00	17	12	16	80	9	17	29.38	30.14		
SUNRISE: 0739 JAN 04 SUNSET: 1641						SUNRISE: 0738 JAN 10 SUNSET: 1648																							
03	CLR	NC			8.00	9	6	8	88	5	17	29.39	30.14	03	CLR	NC			7.00	21	17	20	85	16	19	29.35	30.10		
06	BKN	085			8.00	13	10	12	88	7	17	29.33	30.08	06	CLR	NC			8.00	23	18	21	81	10	18	29.33	30.08		
09	OVC	012			6.00	15	12	14	88	10	17	29.25	30.01	09	CLR	NC		HZ	5.00	26	20	24	78	9	18	29.30	30.05		
12	CLR	NC			8.00	22	18	21	85	15	18	29.12	29.88	12	CLR	NC			8.00	34	24	30	67	12	20	29.28	30.02		
15	CLR	NC			10.00	28	23	26	81	16	16	28.90	29.64	15	CLR	NC			9.00	38	26	33	62	9	18	29.23	29.97		
18	OVC	100			10.00	33	26	30	75	16	22	28.86	29.60	18	CLR	NC			9.00	34	25	31	70	8	20	29.25	29.99		
21	OVC	110			10.00	36	28	33	73	12	30	28.84	29.57	21	CLR	NC			8.00	31	25	29	79	9	19	29.26	30.00		
24	CLR	NC			10.00	37	28	34	70	17	32	28.88	29.60	24	CLR	NC			8.00	32	26	30	79	14	20	29.28	30.01		
SUNRISE: 0739 JAN 05 SUNSET: 1642						SUNRISE: 0738 JAN 11 SUNSET: 1649																							
03	CLR	NC			10.00	34	26	31	73	14	31	28.92	29.65	03	CLR	NC			7.00	30	26	29	85	6	13	29.28	30.01		
06	CLR	NC			10.00	32	24	29	73	17	30	28.93	29.65	06	CLR	NC			6.00	29	26	28	89	0	00	29.28	30.01		
09	OVC	033			10.00	32	24	29	73	22	32	28.96	29.69	09	CLR	NC			4.00	31	27	29	85	7	13	29.31	30.04		
12	BKN	043			10.00	33	20	29	59	24	34	29.03	29.75	12	OVC	013			5.00	35	30	33	82	7	19	29.30	30.03		
15	CLR	NC			10.00	31	16	26	54	16	33	29.09	29.83	15	OVC	015			5.00	37	31	35	79	5	17	29.31	30.04		
18	CLR	NC			10.00	21	12	18	68	7	35	29.16	29.90	18	OVC	013			6.00	36	31	34	82	5	17	29.31	30.04		
21	CLR	NC			10.00	17	11	15	77	3	27	29.17	29.91	21	OVC	013			4.00	35	32	34	89	3	16	29.33	30.06		
24	CLR	NC			10.00	15	11	14	84	0	00	29.16	29.91	24	OVC	011			5.00	35	32	34	89	5	14	29.36	30.09		
SUNRISE: 0739 JAN 06 SUNSET: 1643						SUNRISE: 0737 JAN 12 SUNSET: 1650																							
03	SCT	NC			10.00	21	14	19	74	9	18	29.05	29.79	03	OVC	011			4.00	35	32	34	89	6	19	29.40	30.13		
06	FEW	NC			10.00	20	14	18	78	12	18	28.95	29.70	06	OVC	009			5.00	34	32	33	92	6	23	29.41	30.14		
09	CLR	NC			10.00	21	14	19	74	10	18	28.90	29.65	09	OVC	007			4.00	34	32	33	92	5	21	29.44	30.19		
12	OVC	025			10.00	32	23	29	69	7	20	28.88	29.62	12	OVC	019			6.00	35	32	34	89	7	17	29.44	30.18		
15	OVC	025			10.00	37	30	34	76	7	33	28.89	29.62	15	OVC	019			10.00	36	32	34	86	7	16	29.42	30.15		
18	OVC	031			10.00	37	30	34	76	13	29	28.91	29.64	18	OVC	021			8.00	35	32	34	89	5	18	29.44	30.18		
21	OVC	028			10.00	37	28	34	70	23	33	28.93	29.67	21	OVC	023			7.00	34	32	33	92	7	17	29.43	30.17		
24	OVC	034			10.00	35	27	32	72	17	33	28.99	29.72	24	OVC	013			7.00	34	30	32	85	9	21	29.44	30.17		

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

JANUARY 2001

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: 0737 JAN 13						SUNSET: 1651						SUNRISE: 0733 JAN 19						SUNSET: 1659											
03	OVC	015			7.00	34	30	32	85	5	20	29.43	30.17	03	OVC	024				10.00	24	18	22	77	12	36	29.39	30.14	
06	OVC	013			6.00	34	30	32	85	6	19	29.43	30.16	06	OVC	039				10.00	19	11	17	71	13	01	29.45	30.21	
09	OVC	013			5.00	34	30	32	85	8	17	29.42	30.16	09	OVC	032				10.00	15	8	13	74	13	01	29.56	30.32	
12	OVC	015			5.00	34	30	32	85	8	18	29.41	30.14	12	CLR	NC				10.00	14	5	12	67	14	34	29.58	30.34	
15	OVC	015			5.00	35	30	33	82	5	12	29.36	30.09	15	CLR	NC				10.00	15	4	13	61	13	32	29.55	30.32	
18	OVC	015			7.00	34	30	32	85	9	11	29.32	30.05	18	CLR	NC				10.00	9	2	8	73	7	34	29.60	30.38	
21	OVC	011			6.00	34	30	32	85	12	13	29.29	30.02	21	CLR	NC				10.00	3	-2	2	79	3	36	29.61	30.40	
24	OVC	011			7.00	34	31	33	89	10	13	29.22	29.95	24	CLR	NC				10.00	3	-1	2	83	0	00	29.59	30.38	
SUNRISE: 0736 JAN 14						SUNSET: 1652						SUNRISE: 0733 JAN 20						SUNSET: 1660											
03	VV	004			0.75	32	32	32	100	0	00	29.18	29.91	03	CLR	NC				10.00	-2	-7	-3	79	0	00	29.57	30.36	
06	OVC	004			1.50	32	31	32	96	0	00	29.14	29.87	06	CLR	NC				10.00	-3	-6	-3	87	8	20	29.55	30.34	
09	OVC	013			7.00	34	31	33	89	0	00	29.14	29.87	09	CLR	NC				10.00	-2	-7	-3	79	7	20	29.55	30.34	
12	OVC	008			2.00	34	31	33	89	0	00	29.13	29.86	12	CLR	NC				10.00	7	-2	5	66	7	19	29.51	30.30	
15	OVC	035			6.00	34	31	33	89	0	00	29.11	29.84	15	CLR	NC				10.00	15	1	12	53	8	22	29.46	30.24	
18	OVC	009			2.00	33	31	32	92	0	00	29.13	29.86	18	CLR	NC				10.00	12	1	10	61	10	19	29.47	30.26	
21	OVC	009			2.50	33	31	32	92	0	00	29.14	29.87	21	FEW	NC				10.00	9	-1	7	64	12	21	29.47	30.27	
24	OVC	007			1.75	33	31	32	92	0	00	29.13	29.86	24	CLR	NC				10.00	8	0	6	69	8	19	29.47	30.26	
SUNRISE: 0736 JAN 15						SUNSET: 1654						SUNRISE: 0732 JAN 21						SUNSET: 1701											
03	OVC	011			1.25	33	31	32	92	0	00	29.14	29.87	03	CLR	NC				10.00	4	-1	3	80	5	21	29.49	30.27	
06	OVC	013			7.00	34	31	33	89	6	29	29.14	29.87	06	CLR	NC				8.00	1	-2	1	87	3	36	29.53	30.32	
09	OVC	011			8.00	34	31	33	89	8	32	29.17	29.90	09	OVC	010				6.00	5	0	4	79	0	00	29.61	30.40	
12	OVC	015			6.00	34	30	32	85	10	29	29.20	29.93	12	OVC	014				5.00	12	6	11	77	0	00	29.64	30.42	
15	OVC	017			8.00	33	28	31	82	15	29	29.22	29.96	15	CLR	NC				10.00	18	11	16	74	5	31	29.63	30.41	
18	OVC	015			9.00	31	26	29	82	9	30	29.29	30.02	18	CLR	NC				10.00	13	8	12	81	0	00	29.66	30.45	
21	OVC	017			10.00	30	26	29	85	13	32	29.34	30.07	21	CLR	NC				7.00	10	6	9	84	3	17	29.67	30.45	
24	OVC	017			10.00	28	23	26	81	10	29	29.38	30.12	24	CLR	NC				6.00	8	4	7	83	6	20	29.67	30.45	
SUNRISE: 0735 JAN 16						SUNSET: 1655						SUNRISE: 0731 JAN 22						SUNSET: 1702											
03	OVC	015			9.00	27	22	25	81	10	29	29.43	30.17	03	CLR	NC				5.00	7	3	6	84	6	18	29.63	30.41	
06	OVC	021			10.00	24	19	22	81	13	30	29.48	30.23	06	SCT	NC				6.00	6	2	5	83	5	18	29.63	30.42	
09	OVC	013			8.00	21	17	20	85	7	30	29.51	30.27	09	CLR	NC				5.00	9	5	8	84	12	18	29.62	30.40	
12	OVC	015			9.00	23	18	21	81	7	31	29.53	30.29	12	CLR	NC				5.00	17	8	15	68	12	19	29.56	30.34	
15	OVC	019			10.00	24	17	22	75	10	29	29.52	30.27	15	CLR	NC				6.00	24	14	21	65	10	19	29.49	30.26	
18	OVC	021			10.00	21	14	19	74	8	28	29.58	30.34	18	CLR	NC				6.00	23	15	21	72	9	19	29.43	30.20	
21	OVC	035			9.00	19	12	17	74	9	29	29.60	30.37	21	SCT	NC				5.00	23	17	21	78	8	19	29.44	30.21	
24	OVC	070			10.00	16	9	14	74	6	32	29.60	30.36	24	CLR	NC				5.00	22	18	21	85	7	20	29.43	30.20	
SUNRISE: 0735 JAN 17						SUNSET: 1656						SUNRISE: 0730 JAN 23						SUNSET: 1704											
03	OVC	060			10.00	17	10	15	74	8	32	29.60	30.37	03	CLR	NC				2.50	16	14	15	92	5	18	29.45	30.21	
06	OVC	060			10.00	17	10	15	74	5	31	29.58	30.35	06	OVC	011				7.00	25	22	24	88	6	30	29.46	30.22	
09	CLR	NC			10.00	15	9	14	77	5	26	29.60	30.37	09	OVC	009				6.00	25	22	24	88	8	28	29.49	30.24	
12	CLR	NC			10.00	18	9	16	68	13	23	29.54	30.32	12	CLR	NC				10.00	28	22	26	78	0	00	29.47	30.22	
15	OVC	029			10.00	20	9	17	62	12	29	29.47	30.24	15	CLR	NC				10.00	33	20	29	59	5	30	29.41	30.16	
18	CLR	NC			10.00	16	8	14	71	10	21	29.43	30.19	18	CLR	NC				10.00	28	18	25	66	9	27	29.41	30.15	
21	OVC	012			6.00	17	14	16	88	15	20	29.38	30.14	21	CLR	NC				10.00	24	17	22	75	5	27	29.40	30.15	
24	OVC	014			6.00	20	17	19	89	10	18	29.30	30.06	24	CLR	NC				10.00	18	14	17	84	0	00	29.40	30.15	
SUNRISE: 0734 JAN 18						SUNSET: 1657						SUNRISE: 0730 JAN 24						SUNSET: 1705											
03	CLR	NC			7.00	19	15	18	85	15	19	29.23	29.98	03	OVC	027				10.00	18	13	17	81	8	35	29.43	30.17	
06	CLR	NC			6.00	16	14	15	92	7	18	29.18	29.94	06	OVC	037				10.00	20	15	19	81	15	33	29.45	30.20	
09	OVC	019			1.50	20	16	19	85	7	20	29.20	29.95	09	OVC	049				10.00	20	12	18	71	15	33	29.53	30.29	
12	OVC	018			5.00	24	19	22	81	6	17	29.21	29.96	12	OVC	043				10.00	22	10	19	60	14	36	29.59	30.36	
15	OVC	010			4.00	27	24	26	89	3	24	29.21	29.96	15	CLR	NC				10.00	22	10	19	60	15	35	29.64	30.40	
18	OVC	016			6.00	28	24	27	85	3	02	29.26	30.01	18	CLR	NC				10.00	17	6	14	62	6	01	29.69	30.46	
21	OVC	026			3.00	28	25	27	88	0	00	29.29	30.03	21	CLR	NC				10.00	13	7	12	77	3	35	29.73	30.50	
24	OVC	013			4.00	27	24	26	89	10	36	29.33	30.07	24	CLR	NC				10.00	7	3	6	84	0	00	29.73	30.50	

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

JANUARY 2001

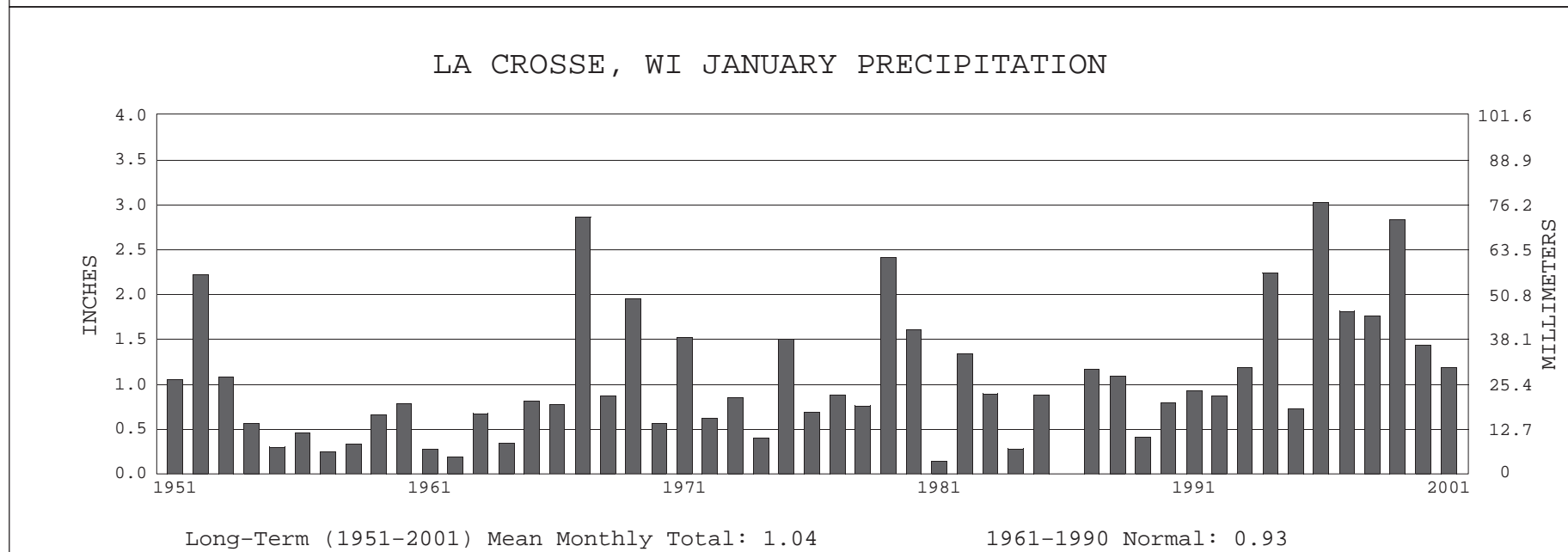
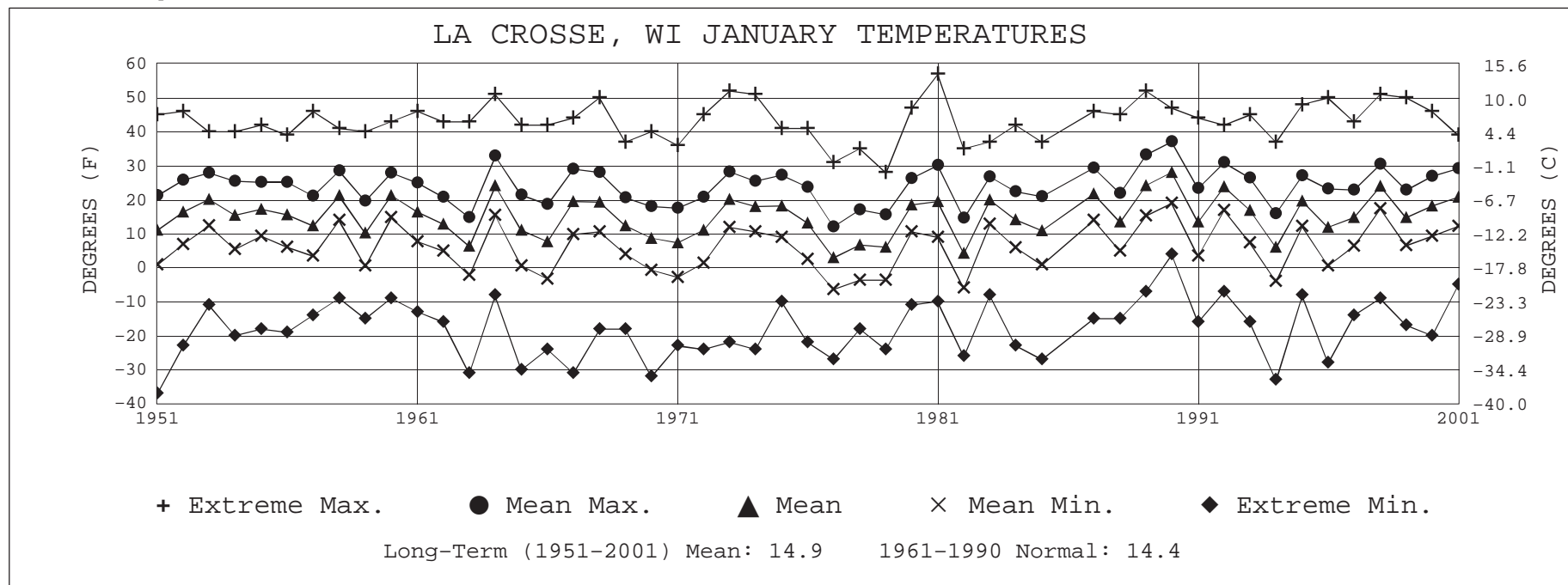
LSE

WBAN # 14920

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES,HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				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	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
SUNRISE: 0729 JAN 25 SUNSET: 1706																													
03	CLR	NC			10.00	5	1	4	83	5	18	29.72	30.50	03	OVC	014			7.00	33	29	31	85	7	30	28.91	29.63		
06	CLR	NC			10.00	5	1	4	83	10	19	29.70	30.49	06	OVC	012			8.00	32	28	30	85	10	29	28.96	29.69		
09	CLR	NC			10.00	6	1	5	80	6	20	29.70	30.48	09	OVC	008		BR	4.00	30	28	29	92	14	31	29.05	29.78		
12	CLR	NC			10.00	16	4	13	59	8	18	29.64	30.42	12	OVC	014			10.00	27	22	25	81	17	32	29.10	29.83		
15	CLR	NC			10.00	23	7	19	50	8	21	29.53	30.31	15	CLR	NC			10.00	29	21	26	72	13	34	29.11	29.84		
18	CLR	NC			10.00	20	5	16	52	14	18	29.46	30.23	18	CLR	NC			10.00	27	20	25	75	14	29	29.19	29.93		
21	CLR	NC			10.00	19	7	16	59	15	18	29.38	30.14	21	CLR	NC			10.00	24	16	22	71	10	29	29.23	29.97		
24	CLR	NC			10.00	20	11	17	68	16	18	29.31	30.06	24	CLR	NC			10.00	21	14	19	74	6	26	29.26	30.00		
SUNRISE: 0728 JAN 26 SUNSET: 1708																													
03	CLR	NC			10.00	20	12	18	71	13	17	29.22	29.97	3-HOURLY OBSERVATION NOTES															
06	OVC	027			10.00	22	15	20	75	7	14	29.11	29.86	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.															
09	OVC	035			1.25	-SN	BR	22	21	22	96	8	17	29.09	29.84	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.													
12	OVC	022			1.25	-SN	BR	24	21	23	88	5	19	29.06	29.80	NC= No ceiling detected.													
15	OVC	018			2.50	-SN	BR	26	23	25	88	14	34	29.08	29.82	& = Original observation contained additional weather elements.													
18	OVC	027			10.00	25	18	23	75	13	34	29.22	29.97	See page 3 for additional notes.															
21	OVC	029			10.00	26	20	24	78	18	34	29.33	30.08																
24	OVC	028			10.00	20	14	18	78	14	33	29.43	30.19																
SUNRISE: 0727 JAN 27 SUNSET: 1709																													
03	CLR	NC			10.00	10	5	9	80	7	34	29.51	30.28																
06	CLR	NC			10.00	3	0	2	87	0	00	29.57	30.34																
09	CLR	NC			10.00	7	5	7	91	3	18	29.58	30.35																
12	CLR	NC			10.00	17	3	14	54	8	22	29.58	30.35																
15	CLR	NC			10.00	22	8	18	55	15	21	29.47	30.24																
18	CLR	NC			10.00	19	10	17	68	13	19	29.45	30.23																
21	CLR	NC			10.00	16	11	15	80	5	22	29.43	30.20																
24	CLR	NC			10.00	15	11	14	84	6	22	29.50	30.27																
SUNRISE: 0726 JAN 28 SUNSET: 1710																													
03	CLR	NC			6.00	BR	12	9	11	87	3	20	29.51	30.27															
06	CLR	NC			9.00		10	6	9	84	5	18	29.51	30.29															
09	CLR	NC			7.00		10	8	10	92	0	00	29.54	30.32															
12	CLR	NC			10.00		18	12	16	77	6	21	29.54	30.31															
15	CLR	NC			10.00		24	15	21	68	7	17	29.49	30.26															
18	CLR	NC			10.00		22	15	20	75	6	18	29.48	30.25															
21	CLR	NC			8.00		16	13	15	88	3	14	29.43	30.19															
24	OVC	043			7.00		16	13	15	88	5	17	29.40	30.16															
SUNRISE: 0725 JAN 29 SUNSET: 1712																													
03	OVC	080			6.00	BR	19	16	18	88	0	00	29.36	30.11															
06	OVC	021			6.00	BR	19	17	18	92	5	32	29.25	30.00															
09	OVC	017			4.00	BR	22	18	21	85	3	02	29.21	29.96															
12	OVC	014			6.00	HZ	30	25	28	82	8	08	29.05	29.80															
15	OVC	012			2.50	UP BR	32	29	31	88	8	10	28.91	29.64															
18	OVC	011			9.00	-RA	35	31	33	85	15	09	28.72	29.45															
21	OVC	016			9.00	-RA	36	31	34	82	14	10	28.59	29.31															
24	OVC	011			9.00	-SN	35	31	33	85	10	13	28.56	29.27															
SUNRISE: 0724 JAN 30 SUNSET: 1713																													
03	OVC	017			10.00		34	30	32	85	13	18	28.59	29.31															
06	OVC	018			10.00		34	29	32	82	5	15	28.60	29.31															
09	OVC	025			10.00		34	31	33	89	6	12	28.64	29.35															
12	OVC	043			10.00		37	30	34	76	0	00	28.64	29.36															
15	OVC	055			10.00		35	30	33	82	6	31	28.69	29.41															
18	OVC	050			9.00		33	31	32	92	8	32	28.77	29.49															
21	OVC	043			10.00		33	31	32	92	7	31	28.83	29.55															
24	OVC	043			10.00		33	27	31	78	7	29	28.87	29.59															

HOUR (LST)	AVERAGES								RESULTANT			
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND (MPH)	
							STATION	SEA LEVEL			SPEED	DIRECTION
01			20	15	18	83	29.36	30.11	7.74	7	3	23
02			20	15	18	83	29.36	30.11	7.96	7	2	22
03			19	14	17	83	29.36	30.11	7.73	7	2	22
04			19	14	17	83	29.36	30.11	7.97	7	2	21
05			19	15	18	83	29.35	30.11	8.15	7	2	23
06			19	15	18	84	29.36	30.11	8.37	7	2	26
07			19	14	17	83	29.36	30.12	8.45	7	2	25
08			18	14	17	85	29.37	30.13	7.28	8	2	26
09			19	15	18	84	29.38	30.13	7.06	8	2	25
10			20	15	19	81	29.38	30.14	7.33	8	2	25
11			22	16	20	78	29.38	30.14	7.51	8	2	24
12			24	17	22	76	29.36	30.12	8.01	9	3	25
13			25	17	23	72	29.34	30.10	8.61	9	2	26
14			26	18	24	72	29.33	30.09	8.70	9	4	27
15			27	18	24	71	29.33	30.08	8.65	10	3	28
16			26	18	24	72	29.33	30.09	8.65	10	4	27
17			25	17	23	73	29.34	30.09	8.90	9	4	26
18			24	17	22	76	29.34	30.10	9.06	9	3	24
19			22	15	20	76	29.35	30.10	8.87	8	3	24
20			22	16	20	78	29.35	30.11	8.63	8	2	24
21			22	16	20	80	29.34	30.10	8.11	8	2	24
22			21	16	19	82	29.35	30.10	7.96	7	2	23
23			21	16	19	82	29.35	30.10	8.10	7	3	24
24			20	16	19	83	29.35	30.10	8.02	7	3	23







**JANUARY 2001  
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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