



# OCTOBER 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	79*	63	71*	14	59	63	0	6		0		0.0	0.00	29.17	29.85	1.5	23	6.6	16	20	15	20	01		
02	64	51	58	1	48	51	7	0	RA BR	0		0.0	0.54	29.38	30.08	7.8	01	8.0	21	02	15	35	02		
03	55	48	52	-4	49	51	13	0	RA BR	0		0.0	0.30	29.30	30.01	4.8	11	5.4	20	08	14	08	03		
04	69	47	58	2	52	55	7	0	TSRA RA BR VCTS	0		0.0	1.19	28.86	29.55	7.6	27	15.9	44*	33	35*	33	04		
05	58	40	49	-7	40	45	16	0	RA	0		0.0	0.02	29.36	30.07	3.5	17	7.7	24	19	20	19	05		
06	59	43	51	-5	43	47	14	0	RA BR	0		0.0	0.16	29.19	29.89	10.8	29	15.8	39	29	31	28	06		
07	51	33	42	-13	33	39	23	0	RA	0		0.0	0.01	29.44	30.17	5.0	19	7.8	23	32	20	33	07		
08	63	50	57	3	46	51	8	0	RA	0		0.0	0.03	29.30	30.00	5.6	20	9.2	22	20	20	19	08		
09	58	37	48	-5	38	43	17	0		0		0.0	0.00	29.45	30.16	1.3	01	4.6	16	34	15	34	09		
10	70	44	57	4	50	53	8	0	RA BR	0		0.0	0.21	29.38	30.08	5.1	16	7.5	22	35	17	35	10		
11	73	48	61	8	49	55	4	0	BR	0		0.0	0.00	29.31	30.00	8.9	18	9.3	23	19	20	19	11		
12	63	39	51	-1	44	49	14	0	RA BR	0		0.0	0.24	29.38	30.08	9.2	30	12.9	32	31	26	31	12		
13	53	34	44	-8	25	36	21	0		0		0.0	0.00	29.65	30.38	8.5	28	11.0	33	29	26	29	13		
14	61	34	48	-3	32	41	17	0		0		0.0	0.00	29.35	30.06	12.0	19	12.8	36	18	29	20	14		
15	53	31	42	-9	31	39	23	0		0		0.0	0.00	29.32	30.03	11.1	34	11.5	24	33	21	33	15		
16	45	25*	35	-16	21	31	30	0		0		0.0	0.00	29.38	30.11	3.7	35	4.6	13	02	10	36	16		
17	45	36	41	-9	30	36	24	0	RA SN	0		0.0	T	29.23	29.95	2.1	15	3.6	16	19	14	19	17		
18	57	41	49	-1	38	43	16	0	RA BR	0		0.0	0.13	29.02	29.73	6.1	27	13.9	35	30	28	30	18		
19	43	36	40	-9	28	36	25	0	RA	0		0.0	T	29.32	30.04	11.7	31	12.1	24	31	20	33	19		
20	43	29	36	-13	27	33	29	0	RA UP	0		0.0	0.12	29.42	30.15	0.5	11	3.8	15	29	13	30	20		
21	46	35	41	-7	34	37	24	0	RA BR	0		0.0	0.12	29.37	30.10	1.6	01	7.8	24	33	21	33	21		
22	42	33	38	-10	29	34	27	0		0		0.0	0.00	29.66	30.40	10.4	01	10.6	20	02	16	01	22		
23	42	32	37	-11	24	32	28	0		0		0.0	0.00	29.79	30.53	5.4	03	6.4	15	35	13	36	23		
24	40	32	36	-11	33	35	29	0	RA SN BR	0		0.0	0.07	29.64	30.38	3.0	09	3.8	12	09	9	09	24		
25	42	38	40	-7	39	40	25	0	RA BR	0		0.0	0.13	29.35	30.07	1.4	36	4.2	9	32	8	32	25		
26	46	33	40	-6	34	38	25	0	RA BR	0		0.0	T	29.40	30.13	5.3	30	6.9	18	28	15	28	26		
27	43	26	35	-11	30	34	30	0	RA FG+ FZFG BR	0		0.0	0.04	29.55	30.29	0.6	02	2.3	12	34	9	34	27		
28	46	34	40	-5	33	37	25	0	RA	0		0.0	0.02	29.46	30.19	5.4	13	5.8	16	16	14	16	28		
29	47	33	40	-5	32	38	25	0		0		0.0	0.00	29.40	30.13	4.9	08	5.3	15	07	13	09	29		
30	50	31	41	-3	31	36	24	0	RA	0		0.0	T	29.48	30.21	5.0	36	5.7	18	35	16	35	30		
31	38	28	33*	-10	21	28	32	0	SN BR UP	0		0.0	T	29.54	30.28	10.8	32	11.6	24	33	20	33	31		
53.0 37.5 45.3 ■■										< MONTHLY AVERAGES TOTALS->		0.0 3.33		29.38 30.10		1.7 30 8.2		<- MONTHLY AVERAGES							
-8.1 -2.6 -5.3 ■■										<-----DEPARTURE FROM NORMAL----->		1.17		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.48 DATE :03-04				SEA LEVEL PRESSURE DATE TIME												
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE :				MAXIMUM : 30.60 23 0853												
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :				MINIMUM : 29.28 04 1153												
HEATING: 610 143 714 72									NUMBER OF DAYS WITH → MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 8				PRECIPITATION ≥ 0.01 INCH : 16								
COOLING: 6 0 979 204									MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 10								
									THUNDERSTORMS : 1				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH : 0								

OCTOBER 2002  
LA CROSSE, WI

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

OCTOBER 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													01												01			0.00	
02											0.01	0.07	02	T	0.11	0.05	0.06	0.04	0.04	0.09	0.07	T	T			02		0.54	
03											0.01		03	T	T			T			0.01			0.01	0.27	03		0.30	
04	0.08	0.95	0.10	T	0.02	0.02			T	T			04			0.02										04		1.19	
05													05					T	T	0.02	T					05		0.02	
06				0.12	0.02	0.01	0.01						06				T	T		T	T					06		0.16	
07													07		T		T			T	0.01	T	T			07		0.01	
08				T			0.03				T		08							T						08		0.03	
09													09													09		0.00	
10	T	0.15	0.01	0.03	0.02	T	T						10													10		0.21	
11													11													11		0.00	
12						T	T	T	0.01	0.09	0.10	0.03	12	T	0.01											12		0.24	
13													13													13		0.00	
14													14													14		0.00	
15													15													15		0.00	
16													16													16		0.00	
17	T	T	T	T	T	T							17													17		T	
18													18													18		0.13	
19	T												19													19		T	
20													20		T					0.02	0.03	0.03	0.01	0.01	0.02	20		0.12	
21	0.01	0.02	T		0.01	0.01	0.04	0.02	0.01	T			21			T										21		0.12	
22													22													22		0.00	
23													23													23		0.00	
24	T	T	T	0.01	0.02	0.01	0.01	T	T	T			24													24		0.07	
25	0.01	0.01	0.01	0.02	0.02	0.01	0.01	T	T		T	0.01	25	0.01		0.01	T	0.01	T					0.01	0.01	25		0.13	
26													26													26		T	
27			T										27													27		0.04	
28	0.01	T	0.01	T									28									T	0.01	0.02	0.01	28		0.02	
29													29													29		0.00	
30													30												T	30		T	
31	T	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)	.27	.37	.47	.56	.64	.87	.95	1.00	1.05	1.10	1.25	1.31
Ending Date	04	04	04	04	04	04	04	04	04	04	04	04
Ending Time (Hour/Min)	0141	0142	0142	0142	0147	0147	0150	0150	0233	0150	0147	0150

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  
OCTOBER 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							10.00	10.00	
02							2.50	10.00	
03							1.75	10.00	
04							1.00	10.00	
05							10.00	10.00	
06							4.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							4.00	10.00	
11							6.00	10.00	
12							3.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							5.00	10.00	
19							10.00	10.00	
20							6.00	10.00	
21							4.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							2.00	10.00	
25							2.50	10.00	
26							4.00	10.00	
27							.25	10.00	
28							7.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							4.00	10.00	
MONTHLY AVGS							6.97	10.00	

**SUNSHINE (MINUTES)**

Total:                      Possible:

                                    Percent Possible:

**NUMBER OF DAYS WITH:**

**SKY CONDITION**

CLR   PTLY CLDY   CLOUDY   MISSING

                                    31

**MINIMUM VISIBILITY (MILES)**

<=0.25                      <=3.0                      >=7.0

                                    0                                      6                                      17

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

OCTOBER 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: 0603						OCT 01						SUNSET: 1746						SUNRISE: 0610						OCT 07						SUNSET: 1735					
03	CLR	NC			10.00	68	60	63	76	14	20	29.06	29.73	03	CLR	NC			10.00	38	32	36	79	6	30	29.49	30.21								
06	CLR	NC			10.00	65	58	61	78	7	12	29.13	29.80	06	CLR	NC			10.00	34	30	32	85	3	18	29.51	30.25								
09	CLR	NC			10.00	68	56	61	66	5	21	29.18	29.86	09	FEW	NC			10.00	42	33	38	71	6	21	29.53	30.26								
12	CLR	NC			10.00	76	56	64	50	3	VR	29.17	29.84	12	SCT	NC			10.00	47	26	38	44	13	20	29.51	30.24								
15	CLR	NC			10.00	78	62	68	58	5	17	29.16	29.83	15	BKN	090			10.00	49	31	41	50	8	16	29.41	30.14								
18	SCT	NC			10.00	72	63	66	73	6	35	29.20	29.88	18	FEW	NC			10.00	48	32	41	54	8	13	29.36	30.09								
21	FEW	NC			10.00	68	57	61	68	5	02	29.25	29.93	21	OVC	070		-RA	10.00	46	39	43	77	7	12	29.34	30.06								
24	OVC	044			10.00	64	49	56	58	9	35	29.30	29.97	24	OVC	075			10.00	51	40	46	66	17	19	29.31	30.02								
SUNRISE: 0604						OCT 02						SUNSET: 1744						SUNRISE: 0611						OCT 08						SUNSET: 1734					
03	SCT	NC			10.00	60	47	53	62	8	36	29.32	30.00	03	OVC	085			10.00	52	41	47	66	9	17	29.27	29.98								
06	OVC	044			10.00	56	44	50	65	10	01	29.37	30.06	06	OVC	080			10.00	52	43	48	72	13	19	29.27	29.97								
09	OVC	042			10.00	54	46	50	75	10	01	29.41	30.11	09	FEW	NC			10.00	54	45	49	72	13	21	29.31	30.01								
12	OVC	024			7.00	53	50	51	89	7	01	29.38	30.09	12	BKN	080			10.00	55	47	51	74	10	20	29.31	30.01								
15	OVC	025			10.00	52	50	51	93	12	35	29.38	30.09	15	FEW	NC			10.00	62	50	55	65	8	18	29.29	29.98								
18	OVC	012			10.00	51	50	51	96	8	36	29.41	30.12	18	CLR	NC			10.00	58	50	54	75	7	17	29.29	29.99								
21	OVC	070			10.00	51	48	50	89	5	03	29.41	30.12	21	SCT	NC			10.00	53	49	51	86	8	31	29.32	30.03								
24	OVC	016			10.00	51	49	50	92	5	11	29.41	30.12	24	OVC	026			10.00	52	44	48	75	14	35	29.37	30.08								
SUNRISE: 0605						OCT 03						SUNSET: 1742						SUNRISE: 0612						OCT 09						SUNSET: 1732					
03	OVC	013			10.00	52	49	50	89	0	00	29.39	30.10	03	CLR	NC			10.00	41	38	40	89	6	36	29.42	30.13								
06	OVC	007			10.00	49	46	47	90	7	10	29.41	30.13	06	CLR	NC			10.00	38	36	37	93	5	01	29.47	30.19								
09	OVC	016			10.00	49	45	47	86	5	10	29.40	30.11	09	CLR	NC			10.00	47	37	42	69	3	VR	29.51	30.23								
12	OVC	012			10.00	52	49	50	89	6	12	29.33	30.04	12	CLR	NC			10.00	52	37	45	57	0	00	29.47	30.19								
15	OVC	012			2.50	52	50	51	93	5	09	29.28	29.99	15	CLR	NC			10.00	56	37	47	49	3	28	29.43	30.15								
18	OVC	007			5.00	53	51	52	93	3	10	29.23	29.94	18	CLR	NC			10.00	48	38	43	68	0	00	29.42	30.14								
21	OVC	007			7.00	54	53	53	97	6	15	29.17	29.88	21	CLR	NC			10.00	44	40	42	85	6	12	29.43	30.15								
24	OVC	019			3.00	55	54	54	96	5	11	29.03	29.72	24	OVC	090			10.00	44	40	42	85	6	14	29.41	30.13								
SUNRISE: 0606						OCT 04						SUNSET: 1741						SUNRISE: 0613						OCT 10						SUNSET: 1730					
03	OVC	015			10.00	57	55	56	93	9	13	28.85	29.55	03	OVC	055		-RA	10.00	46	44	45	93	14	35	29.40	30.12								
06	OVC	080			6.00	65	63	64	93	13	17	28.70	29.38	06	BKN	085		-RA	9.00	47	45	46	93	6	13	29.40	30.12								
09	BKN	024			10.00	64	61	62	90	13	20	28.70	29.38	09	OVC	065			8.00	51	48	50	89	5	13	29.40	30.12								
12	BKN	040			10.00	68	56	61	66	18	23	28.60	29.28	12	CLR	NC			10.00	63	53	57	70	9	19	29.38	30.09								
15	OVC	027			10.00	55	51	53	87	24	32	28.75	29.43	15	CLR	NC			10.00	70	56	62	61	9	18	29.34	30.04								
18	OVC	034			10.00	53	44	49	72	21	33	29.00	29.70	18	CLR	NC			10.00	63	56	59	78	6	15	29.33	30.04								
21	OVC	050			10.00	51	42	47	71	15	30	29.17	29.86	21	CLR	NC			10.00	56	53	54	90	5	15	29.36	30.07								
24	CLR	NC			10.00	47	38	43	71	9	31	29.26	29.96	24	CLR	NC			10.00	55	50	52	83	8	16	29.36	30.06								
SUNRISE: 0607						OCT 05						SUNSET: 1739						SUNRISE: 0615						OCT 11						SUNSET: 1728					
03	CLR	NC			10.00	43	37	40	80	7	30	29.32	30.03	03	CLR	NC			10.00	51	48	50	89	5	14	29.35	30.05								
06	BKN	090			10.00	41	37	39	86	3	19	29.38	30.11	06	CLR	NC			8.00	50	48	49	93	3	16	29.36	30.07								
09	BKN	100			10.00	46	37	42	71	0	00	29.46	30.18	09	CLR	NC			10.00	61	48	54	63	12	18	29.37	30.08								
12	BKN	085			10.00	54	37	46	53	5	VR	29.44	30.16	12	CLR	NC			10.00	70	48	58	46	16	19	29.33	30.03								
15	OVC	070			10.00	57	37	47	47	12	16	29.38	30.10	15	CLR	NC			10.00	73	50	60	44	14	19	29.26	29.95								
18	OVC	065			10.00	53	44	49	72	7	13	29.35	30.07	18	CLR	NC			10.00	67	50	57	55	12	16	29.23	29.93								
21	BKN	090			10.00	53	44	49	72	8	12	29.29	29.99	21	CLR	NC			10.00	64	48	55	56	9	19	29.26	29.94								
24	OVC	110			10.00	58	45	51	62	17	19	29.20	29.90	24	CLR	NC			10.00	60	50	55	70	7	12	29.25	29.93								
SUNRISE: 0608						OCT 06						SUNSET: 1737						SUNRISE: 0616						OCT 12						SUNSET: 1727					
03	OVC	075			10.00	58	45	51	62	13	20	29.07	29.77	03	OVC	085			10.00	61	52	56	72	13	18	29.23	29.91								
06	OVC	070			10.00	53	50	51	89	8	20	29.05	29.75	06	OVC	044			10.00	61	55	58	81	8	30	29.25	29.93								
09	OVC	016			10.00	55	50	52	83	9	27	29.07	29.77	09	OVC	038		-RA	10.00	56	53	54	90	3	31	29.31	30.00								
12	OVC	030			10.00	56	45	50	67	24	28	29.08	29.78	12	OVC	023			10.00	50	47	48	89	16	33	29.38	30.09								
15	OVC	043			10.00	53	39	46	59	23	28	29.12	29.82	15	BKN	060			10.00	55	45	50	69	10	33	29.39	30.10								
18	OVC	030			10.00	46	39	43	77	18	33	29.30	30.01	18	CLR	NC			10.00	51	34	43	52	18	31	29.46	30.17								
21	OVC	049			10.00	45	37	41	74	15	32	29.39	30.11	21	CLR	NC			10.00	45	32	39	61	22	31	29.55	30.27								
24	OVC	055			10.00	44	29	38	55	17	32	29.46	30.17	24	CLR	NC			10.00	40	25	34	55	15	31	29.60	30.32								

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

OCTOBER 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>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: 0617	OCT 13			SUNSET: 1725										SUNRISE: 0624	OCT 19									
03	CLR	NC			10.00		36	26	32	67	15	31	29.64	30.36	03	OVC	025			10.00	41	33	38	74	13	31	29.20	29.91	
06	CLR	NC			10.00		34	25	31	70	13	29	29.68	30.41	06	OVC	037			10.00	41	31	37	67	17	32	29.27	29.98	
09	CLR	NC			10.00		42	21	34	43	14	29	29.70	30.43	09	OVC	034			10.00	40	30	36	68	12	33	29.32	30.04	
12	CLR	NC			10.00		50	16	37	26	16	28	29.67	30.40	12	OVC	040			10.00	42	29	37	60	8	29	29.35	30.08	
15	CLR	NC			10.00		53	20	40	27	17	27	29.63	30.36	15	OVC	042			10.00	42	25	35	51	13	30	29.34	30.07	
18	CLR	NC			10.00		47	25	38	42	5	26	29.63	30.36	18	OVC	038			10.00	40	24	34	53	14	30	29.37	30.10	
21	CLR	NC			10.00		38	31	35	76	7	15	29.63	30.36	21	OVC	036			10.00	38	24	33	57	13	28	29.37	30.11	
24	CLR	NC			10.00		36	31	34	82	7	15	29.60	30.33	24	OVC	032			10.00	36	24	32	62	10	30	29.37	30.10	
					SUNRISE: 0618	OCT 14			SUNSET: 1723										SUNRISE: 0626	OCT 20									
03	CLR	NC			10.00		35	30	33	82	7	14	29.57	30.30	03	CLR	NC			10.00	32	24	29	73	6	30	29.39	30.12	
06	CLR	NC			10.00		38	31	35	76	10	17	29.50	30.22	06	BKN	050			10.00	30	25	28	82	7	22	29.40	30.14	
09	CLR	NC			10.00		48	31	41	52	14	18	29.44	30.16	09	OVC	038			10.00	35	25	31	67	6	18	29.45	30.18	
12	CLR	NC			10.00		58	33	46	39	21	19	29.32	30.04	12	OVC	038			10.00	39	24	33	55	0	00	29.44	30.18	
15	CLR	NC			10.00		61	30	47	31	23	21	29.22	29.93	15	OVC	065			10.00	43	28	37	56	3	04	29.39	30.13	
18	CLR	NC			10.00		55	32	45	42	9	18	29.22	29.93	18	OVC	060			10.00	41	28	36	60	8	09	29.39	30.13	
21	BKN	095			10.00		51	34	43	52	14	19	29.16	29.87	21	OVC	024			6.00	-RA	36	31	34	82	5	08	29.42	30.16
24	CLR	NC			10.00		50	34	43	54	0	00	29.17	29.87	24	OVC	038			7.00	-RA	35	31	33	85	3	VR	29.41	30.15
					SUNRISE: 0619	OCT 15			SUNSET: 1722										SUNRISE: 0627	OCT 21									
03	CLR	NC			10.00		44	37	41	76	8	35	29.22	29.92	03	OVC	080			9.00		38	31	35	76	7	14	29.34	30.07
06	SCT	NC			10.00		42	36	39	79	7	36	29.28	29.98	06	OVC	049			8.00		39	32	36	76	0	00	29.34	30.07
09	FEW	NC			10.00		47	34	41	61	13	33	29.32	30.04	09	OVC	034			5.00	-RA	41	32	37	70	9	18	29.32	30.05
12	SCT	NC			10.00		51	32	43	48	14	31	29.32	30.03	12	OVC	021			9.00		44	39	42	83	3	16	29.30	30.02
15	FEW	NC			10.00		52	30	42	43	16	32	29.31	30.02	15	OVC	012			4.00	BR	42	39	41	89	14	34	29.32	30.05
18	OVC	045			10.00		43	28	37	56	15	33	29.36	30.08	18	OVC	013			10.00	37	33	35	86	13	35	29.40	30.13	
21	CLR	NC			10.00		37	26	33	65	8	36	29.39	30.12	21	OVC	021			10.00	37	32	35	82	9	36	29.46	30.19	
24	CLR	NC			10.00		31	22	28	69	7	36	29.40	30.13	24	OVC	018			10.00	37	32	35	82	10	35	29.50	30.23	
					SUNRISE: 0621	OCT 16			SUNSET: 1720										SUNRISE: 0628	OCT 22									
03	CLR	NC			10.00		28	19	25	69	6	36	29.41	30.14	03	OVC	016			10.00	36	30	34	79	12	36	29.54	30.27	
06	CLR	NC			10.00		26	21	24	81	5	01	29.44	30.18	06	OVC	020			10.00	36	30	34	79	7	36	29.58	30.31	
09	CLR	NC			10.00		34	24	30	67	3	32	29.45	30.19	09	OVC	018			10.00	37	30	34	76	9	02	29.64	30.38	
12	CLR	NC			10.00		42	18	33	38	7	VR	29.40	30.13	12	OVC	024			10.00	41	30	37	65	13	35	29.67	30.40	
15	OVC	095			10.00		44	16	34	32	6	36	29.33	30.07	15	OVC	028			10.00	40	29	36	65	10	01	29.67	30.41	
18	OVC	070			10.00		42	18	33	38	3	02	29.32	30.06	18	OVC	028			10.00	37	28	34	70	10	02	29.73	30.47	
21	OVC	090			10.00		40	24	34	53	0	00	29.31	30.04	21	OVC	038			10.00	35	25	31	67	12	03	29.77	30.51	
24	OVC	048			10.00		38	28	34	68	8	01	29.30	30.02	24	OVC	026			10.00	33	24	30	70	9	36	29.80	30.53	
					SUNRISE: 0622	OCT 17			SUNSET: 1718										SUNRISE: 0630	OCT 23									
03	OVC	020			10.00		37	30	34	76	5	36	29.28	30.00	03	OVC	044			10.00	33	24	30	70	9	36	29.80	30.54	
06	OVC	032			10.00		36	30	34	79	0	00	29.26	29.98	06	OVC	026			10.00	32	24	29	73	6	01	29.83	30.58	
09	OVC	038			10.00		37	28	34	70	5	08	29.26	29.98	09	OVC	047			10.00	33	24	30	70	7	05	29.84	30.60	
12	OVC	047			10.00		40	30	36	68	0	00	29.24	29.97	12	OVC	055			10.00	38	24	33	57	3	03	29.82	30.56	
15	CLR	NC			10.00		44	28	38	53	0	00	29.20	29.92	15	BKN	043			10.00	42	25	35	51	5	03	29.77	30.51	
18	OVC	065			10.00		41	30	37	65	5	14	29.20	29.92	18	OVC	041			10.00	39	27	34	62	5	02	29.76	30.50	
21	OVC	070			10.00		42	31	37	65	8	16	29.20	29.92	21	OVC	039			10.00	37	23	32	57	7	08	29.75	30.49	
24	OVC	110			10.00		42	34	39	73	12	20	29.18	29.89	24	OVC	065			10.00	36	23	31	59	5	07	29.74	30.48	
					SUNRISE: 0623	OCT 18			SUNSET: 1717										SUNRISE: 0631	OCT 24									
03	OVC	023			5.00	-RA BR	41	39	40	93	9	15	29.11	29.83	03	OVC	023			3.00	-SN BR	32	30	31	92	0	00	29.74	30.48
06	OVC	013			9.00		42	39	41	89	13	17	28.98	29.70	06	OVC	010			2.50	-SN BR	32	31	32	96	0	00	29.72	30.46
09	FEW	NC			10.00		47	41	44	80	13	18	28.92	29.63	09	OVC	010			2.50	-SN BR	34	31	33	89	5	07	29.72	30.46
12	CLR	NC			10.00		55	43	49	64	12	23	28.91	29.61	12	OVC	010			10.00	37	33	35	86	5	08	29.66	30	

## LA CROSSE, WI

OCTOBER 2002

LSE

WBAN # 14920

Hour (LST)	Sky Cover		Ceiling 100'S OFF	Satellite		Weather	Temperature °F			Relative Humidity (PCT)	Wind		Pressure (INCHES,HG)		Hour (LST)	Sky Cover		Ceiling 100'S OFF	Satellite		Visibility (MILES)	Weather	Temperature °F			Relative Humidity (PCT)	Wind		Pressure (INCHES,HG)									
				Observation Time (LST)	EFF CLD AMT Okta		Dry Bulb	Dew Point	Wet Bulb		Speed (MPH)	Direction TENS OF DEG	Station	SEA LEVEL					Observation Time (LST)	EFF CLD AMT Okta			Dry Bulb	Dew Point	Wet Bulb		Speed (MPH)	Direction TENS OF DEG	Station	SEA LEVEL								
OCTOBER 2021																																						
OCT 25																																						
SUNRISE: 0632					OCT 25	SUNSET: 1706																																
03	OVC	013		6.00	-RA BR	39	38	39	96	5	13	29.45	30.18	03	OVC	020			10.00	SUNRISE: 0640					OCT 31	SUNSET: 1657					34	26	31	73	13	34	29.55	30.28
06	OVC	014		10.00	-RA	39	36	38	89	6	11	29.40	30.14	06	OVC	029			10.00	31	21	28	67	9	35	29.56	30.29											
09	OVC	010		10.00		39	37	38	93	0	00	29.36	30.09	09	OVC	027			10.00	31	20	27	64	12	31	29.58	30.32											
12	OVC	008		6.00	-RA BR	42	40	41	92	0	00	29.32	30.03	12	FEW	NC			10.00	33	19	28	56	10	32	29.56	30.30											
15	OVC	010		2.50	-RA BR	41	40	41	96	6	35	29.28	30.00	15	CLR	NC			10.00	37	18	30	46	13	31	29.51	30.25											
18	OVC	005		9.00		41	40	41	96	6	33	29.28	30.01	18	CLR	NC			10.00	33	18	28	54	12	29	29.50	30.25											
21	OVC	060		10.00		41	39	40	93	5	33	29.29	30.01	21	CLR	NC			10.00	29	19	26	66	14	30	29.54	30.28											
24	OVC	016		9.00		41	39	40	93	6	31	29.31	30.03	24	CLR	NC			10.00	28	19	25	69	12	31	29.53	30.27											
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.																																						
SUMMARY BY HOUR																																						
Hour (LST)	Ceilometer	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH)																											
							STATION	SEA LEVEL			SPEED	DIRECTION																										
01			44	36	40	77	29.38	30.10	9.45	8	1	27																										
02			43	37	40	78	29.38	30.09	8.81	7	1	32																										
03			42	36	40	80	29.37	30.09	9.10	7	1	33																										
04			42	37	40	82	29.38	30.09	9.13	7	1	36																										
05			42	36	39	82	29.38	30.10	9.16	7	1	9																										
06			41	36	39	83	29.38	30.10	9.15	7	0	0																										
07			42	36	39	81	29.38	30.11	8.73	7	1	20																										
08			43	37	40	79	29.40	30.12	9.19	7	1	21																										
09			45	37	41	75	29.40	30.12	9.13	7	1	22																										
10			47	37	42	70	29.39	30.11	9.32	7	1	23																										
11			48	37	43	66	29.39	30.11	9.39	8	2	26																										
12			49	36	43	63	29.38	30.09	9.74	9	3	26																										
13			50	36	44	60	29.36	30.08	9.81	10	4	26																										
14			51	36	44	59	29.35	30.07	9.53	9	4	27																										
15			51	36	44	59	29.35	30.07	9.32	10	4	30																										
16			50	35	44	59	29.36	30.07	9.39	10	4	31																										
17			49	35	43	62	29.36	30.08	9.35	9	3	32																										
18			47	36	42	66	29.37	30.10	9.81	9	3	33																										
19			46	36	42	71	29.38	30.11	9.52	8	3	34																										
20			45	36	41	72	29.39	30.11	9.68	8	3	33																										
21			44	36	41	73	29.39	30.12	9.65	8	2	34																										
22			44	35	40	73	29.40	30.12	9.68	8	2	32																										
23			43	35	40	74	29.40	30.12	9.48	8	2	33																										
24			43	35	39	75	29.40	30.12	9.39	8	3	33																										

### 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 Visibility = 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.

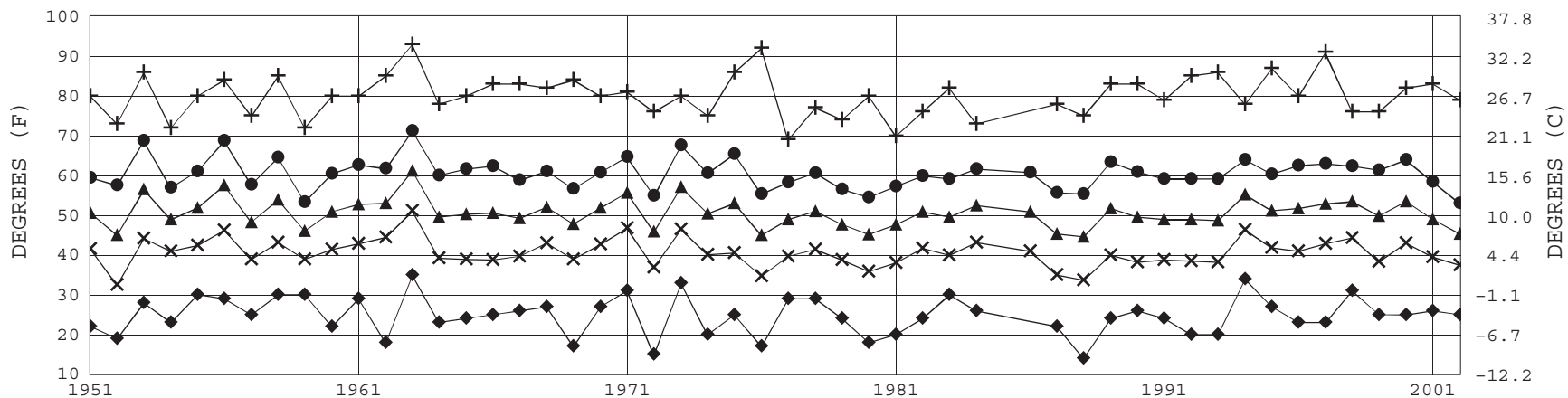
See page 3 for additional notes.

## SUMMARY BY HOUR

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			44	36	40	77	29.38	30.10	9.45	8	1	27
02			43	37	40	78	29.38	30.09	8.81	7	1	32
03			42	36	40	80	29.37	30.09	9.10	7	1	33
04			42	37	40	82	29.38	30.09	9.13	7	1	36
05			42	36	39	82	29.38	30.10	9.16	7	1	9
06			41	36	39	83	29.38	30.10	9.15	7	0	0
07			42	36	39	81	29.38	30.11	8.73	7	1	20
08			43	37	40	79	29.40	30.12	9.19	7	1	21
09			45	37	41	75	29.40	30.12	9.13	7	1	22
10			47	37	42	70	29.39	30.11	9.32	7	1	23
11			48	37	43	66	29.39	30.11	9.39	8	2	26
12			49	36	43	63	29.38	30.09	9.74	9	3	26
13			50	36	44	60	29.36	30.08	9.81	10	4	26
14			51	36	44	59	29.35	30.07	9.53	9	4	27
15			51	36	44	59	29.35	30.07	9.32	10	4	30
16			50	35	44	59	29.36	30.07	9.39	10	4	31
17			49	35	43	62	29.36	30.08	9.35	9	3	32
18			47	36	42	66	29.37	30.10	9.81	9	3	33
19			46	36	42	71	29.38	30.11	9.52	8	3	34
20			45	36	41	72	29.39	30.11	9.68	8	3	33
21			44	36	41	73	29.39	30.12	9.65	8	2	34
22			44	35	40	73	29.40	30.12	9.68	8	2	32
23			43	35	40	74	29.40	30.12	9.48	8	2	33
24			43	35	39	75	29.40	30.12	9.39	8	3	33



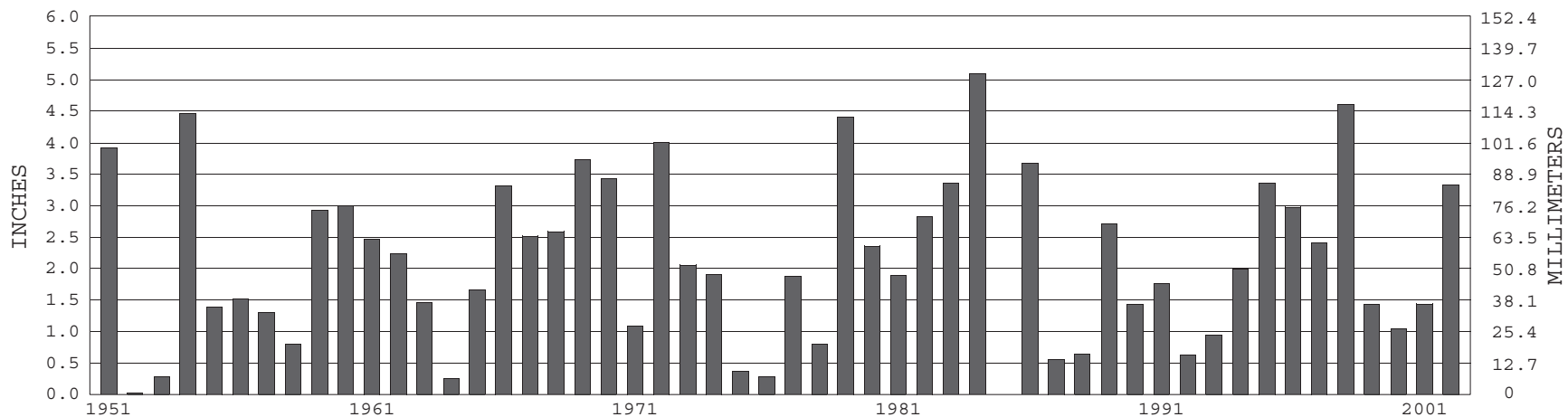
# LA CROSSE, WI OCTOBER TEMPERATURES



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

Long-Term (1951-2002) Mean: 49.6    1961-1990 Normal: 50.6

# LA CROSSE, WI OCTOBER PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 2.13

1961-1990 Normal: 2.16



OCTOBER 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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