



# MARCH 2003

## 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										
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	41	19	30	2	24	28	35	0	RA BR UP HZ	0		T	T	29.21	29.95	5.1	20	8.2	29	33	24	33	01								
02	31	5	18	-11	-2	11	47	0	SN UP	0		T	T	29.40	30.16	10.5	35	11.5	31	35	26	35	02								
03	28	7	18	-11	11	17	47	0	SN BR	0		1.5	0.08	29.16	29.92	8.7	19	11.4	25	29	21	19	03								
04	24	11	18	-12	5	13	47	0	SN BR	2		0.5	0.01	29.22	29.98	10.0	34	10.7	24	34	20	33	04								
05	19	-2	9	-22	-4	8	56	0		2		0.0	0.00	29.33	30.10	5.5	34	6.0	14	34	12	34	05								
06	30	7	19	-12	11	19	46	0	SN	1		T	T	29.23	29.99	9.7	18	10.3	26	19	21	18	06								
07	32	18	25	-6	21	25	40	0	SN BR HZ	1		0.1	0.01	29.25	29.99	3.7	29	7.3	17	19	15	18	07								
08	22	3	13	-19	5	13	52	0	SN FG+ FZFG BR UP	T		2.2	0.17	29.35	30.12	10.7	35	11.2	25	35	20	34	08								
09	11	-6*	3*	-29	-12	1	62	0		0		0.0	0.00	29.57	30.36	12.0	30	12.2	28	29	23	29	09								
10	20	-5	8	-24	-3	7	57	0		2		0.0	0.00	29.54	30.32	2.7	25	5.5	17	20	15	34	10								
11	42	17	30	-2	20	27	35	0	RA SN	2		T	T	29.13	29.87	9.1	20	10.7	25	22	21	21	11								
12	36	25	31	-2	25	29	34	0	SN BR HZ	1		1.1	0.06	29.29	30.02	5.9	35	6.6	16	35	14	36	12								
13	41	26	34	1	24	30	31	0	SN BR	T		0.3	0.05	29.53	30.28	2.0	14	5.8	17	19	13	18	13								
14	56	31	44	10	30	37	21	0	HZ	0		0.0	0.00	29.30	30.02	12.9	18	12.9	24	18	18	18	14								
15	67	35	51	17	35	43	14	0	BR HZ	0		0.0	0.00	29.10	29.81	12.4	18	12.5	25	18	21	19	15								
16	70	42	56*	22	46	50	9	0	TSRA RA FG+ BR HZ VCTS	0		0.0	0.44	28.96	29.66	7.4	18	9.0	20	17	16	18	16								
17	61	40	51	17	46	48	14	0	FG+ BR HZ	0		0.0	0.00	29.00	29.70	1.8	03	5.0	25	09	18	10	17								
18	51	43	47	12	39	43	18	0	BR HZ	0		0.0	0.00	29.21	29.92	8.9	09	9.3	21	07	17	08	18								
19	45	38	42	7	32	37	23	0	RA BR	0		0.0	0.24	29.13	29.85	8.0	06	9.0	23	06	17	09	19								
20	45	34	40	4	37	38	25	0	RA FG+ BR UP HZ	0		0.1	0.05	28.99	29.71	5.0	34	5.6	16	32	14	33	20								
21	41	35	38	2	34	36	27	0	RA BR UP	0		T	0.07	28.97	29.70	8.0	30	8.2	20	32	16	32	21								
22	51	33	42	5	36	39	23	0	BR	0		0.0	0.00	29.18	29.90	4.3	33	6.6	20	33	15	33	22								
23	70*	29	50	13	32	42	15	0	FZFG BR	0		0.0	0.00	29.08	29.80	11.1	19	11.7	25	23	21	22	23								
24	61	48	55	17	33	45	10	0	RA	0		0.0	T	29.05	29.74	6.0	27	9.2	30	29	23	29	24								
25	56	32	44	6	28	38	21	0	RA	0		0.0	T	29.24	29.95	8.4	32	9.4	26	32	22	30	25								
26	55	27	41	2	27	37	24	0	RA FG+ FZFG BR	0		0.0	0.01	29.23	29.95	1.6	24	4.3	17	19	14	17	26								
27	47	39	43	4	39	41	22	0	RA BR	0		0.0	0.91	29.02	29.73	8.5	10	9.3	31	10	23	09	27								
28	39	32	36	-4	32	34	29	0	RA SN BR UP	0		T	0.34	28.99	29.71	13.0	34	13.2	28	34	23	34	28								
29	44	26	35	-5	20	29	30	0	SN	0		0.2	0.02	29.45	30.19	8.3	36	9.7	25	33	20	34	29								
30	46	23	35	-6	21	30	30	0		0		0.0	0.00	29.50	30.24	1.2	34	5.7	16	27	13	27	30								
31	53	25	39	-2	27	36	26	0	RA	0		0.0	T	29.16	29.88	9.3	17	10.0	36*	20	29*	21	31								
43.1 23.8 33.5										TOTALS->		6.0 2.46		29.22 29.95		<- MONTHLY AVERAGES															
-1.5 - .7 -1.1										<-----DEPARTURE FROM NORMAL----->		0.46		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																	
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.99 DATE :27-28				SEA LEVEL PRESSURE				DATE TIME														
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 2.2 DATE :08				MAXIMUM				: 30.44 10 0653														
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 2 DATE :11+				MINIMUM				: 29.54 31 2353														
HEATING: 970 11 6536 -43									NUMBER OF DAYS WITH >				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 21				PRECIPITATION ≥ 0.01 INCH : 14										
COOLING: 0 0 0 0													MAXIMUM TEMP ≤ 32 : 9				MINIMUM TEMP ≤ 0 : 3				PRECIPITATION ≥ 0.10 INCH : 5										
													THUNDERSTORMS : 1				HEAVY FOG : 5				SNOWFALL ≥ 1.0 INCH : 3										

MARCH 2003  
LA CROSSE, WI

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## LA CROSSE, WI

MARCH 2003

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			T		T		
02	T	T	T										02												02					T		
03													03	0.01	T		0.01	0.01							03	0.03				T		
04													04	T	T										04						0.08	
05													05												05						0.01	
06													06	T											06						0.00	
07													07												07						T	
08	T	T	T										08	0.02	T										08	T					0.01	
09													09												09	0.09						0.17
10													10												10						0.00	
11													11												11							0.00
12	T	T											12												12						T	
13	0.02	0.02											13	T											13	0.04					0.06	
14													14												14	0.04					0.05	
15													15												15						0.00	
16													16												16						0.00	
17													17		T										17						0.00	
18													18												18						0.00	
19													19												19						0.00	
20													20	T											20						0.24	
21													21												21						0.05	
22													22												22						0.07	
23													23												23						0.00	
24													24												24						0.00	
25													25												25						T	
26	0.01												26												26						T	
27	T	0.05	T	0.09	0.07	0.07	0.07	0.10	0.14	0.11	0.01		27											27							0.01	
28	0.01	0.07	0.05	0.05	0.06	0.05	0.03	T	T	T	0.01		28	T	0.01	0.06	T	T	T	0.09	0.05	T	T	28							0.91	
29													29												29	0.01						0.34
30													30												30							0.02
31													31												31							0.00
																																T

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.16	.28	.34	.35	.38	.39	.40	.41	.43	.44	.44	.44
Ending Date	16	16	16	16	16	16	16	16	16	16	16	16
Ending Time (Hour/Min)	1941	1942	1945	1947	1947	1947	1947	1947	1947	1947	1947	1947

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		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    ' ' = Moderate    '-' = Light

## LA CROSSE, WI MARCH 2003

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							5.00	10.00	
02							9.00	10.00	
03							1.00	10.00	
04							.75	10.00	
05							10.00	10.00	
06							4.00	10.00	
07							3.00	10.00	
08							.25	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							8.00	10.00	
12							1.00	10.00	
13							1.50	10.00	
14							5.00	10.00	
15							2.50	10.00	
16							.25	10.00	
17							<.25	7.00	
18							2.50	10.00	
19							4.00	10.00	
20							.25	10.00	
21							2.00	10.00	
22							5.00	10.00	
23							.50	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							.25	10.00	
27							2.50	10.00	
28							3.00	10.00	
29							1.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
<b>MONTHLY AVGS</b>							4.54	9.90	
<b>SUNSHINE (MINUTES)</b>									
Total:      Possible: Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING 31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0 4            16            10									

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

MARCH 2003

LSE

WBAN # 14920

Table with multiple columns: HOUR (LST), SKY COVER, CEILING 100'S OF FT, OBSERVATION TIME (LST), EFF CLD AMT, VISIBILITY (MILES), WEATHER, TEMPERATURE (°F) [DRY BULB, DEW POINT, WET BULB], RELATIVE HUMIDITY (PCT), WIND [SPEED (MPH), DIRECTION TENS OF DEG], PRESSURE (INCHES, HG) [STATION, SEA LEVEL]. The table contains hourly data for March 2003, split into three columns for readability.

# OBSERVATIONS AT 3-HOURLY INTERVALS

# LA CROSSE, WI

MARCH 2003

LSE

WBAN # 14920

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	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			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB
<b>SUNRISE: 0621 MAR 13 SUNSET: 1807</b>																									
03	OVC	060	6.00	BR	29	27	28	92	8	36	29.45	30.20	03	OVC	030	10.00		43	31	38	63	10	08	29.25	29.96
06	OVC	015	9.00		29	25	28	85	7	10	29.50	30.25	06	OVC	033	10.00		40	30	36	68	7	05	29.22	29.93
09	OVC	015	10.00		28	21	26	75	8	08	29.60	30.35	09	OVC	090	10.00		44	25	37	47	9	06	29.18	29.89
12	CLR	NC	10.00		34	22	30	61	5	VR	29.61	30.36	12	OVC	055	10.00	-RA	39	31	36	73	10	04	29.14	29.86
15	CLR	NC	10.00		39	23	33	53	3	26	29.57	30.32	15	BKN	027	10.00		44	29	38	55	8	05	29.05	29.77
18	CLR	NC	10.00		39	23	33	53	7	17	29.53	30.27	18	OVC	027	6.00	-RA	42	37	40	82	12	07	29.04	29.75
21	CLR	NC	10.00		33	23	29	67	8	13	29.49	30.24	21	OVC	012	9.00	-RA	39	36	38	89	8	08	29.06	29.78
24	CLR	NC	10.00		33	25	30	72	10	18	29.47	30.21	24	OVC	006	6.00	BR	38	36	37	93	6	06	29.03	29.75
<b>SUNRISE: 0620 MAR 14 SUNSET: 1808</b>																									
03	CLR	NC	8.00		32	27	30	82	14	19	29.43	30.17	03	OVC	004	2.50	BR	38	37	38	97	0	00	29.01	29.73
06	CLR	NC	8.00		32	26	30	79	15	19	29.41	30.15	06	VV	002	0.50	FG	37	37	37	100	0	00	29.00	29.72
09	CLR	NC	5.00	HZ	37	29	34	73	14	18	29.37	30.11	09	OVC	002	1.75	BR	38	38	38	100	5	34	29.01	29.73
12	CLR	NC	7.00		48	34	42	58	15	18	29.29	30.01	12	OVC	006	4.00	BR	41	39	40	93	5	32	29.00	29.72
15	CLR	NC	10.00		55	36	46	49	14	18	29.21	29.93	15	OVC	015	6.00	HZ	45	40	43	83	6	34	28.96	29.67
18	CLR	NC	10.00		50	31	42	48	12	18	29.18	29.90	18	OVC	008	4.00	BR	40	38	39	93	13	33	28.95	29.67
21	CLR	NC	9.00		44	31	39	60	9	19	29.18	29.90	21	OVC	022	10.00	-RA	36	33	35	89	10	34	28.97	29.70
24	CLR	NC	8.00		40	31	36	70	12	20	29.21	29.93	24	OVC	013	7.00		35	33	34	93	0	00	28.95	29.67
<b>SUNRISE: 0618 MAR 15 SUNSET: 1810</b>																									
03	CLR	NC	5.00	HZ	37	31	35	79	8	20	29.19	29.90	03	OVC	011	4.00	BR	35	34	35	96	0	00	28.91	29.63
06	CLR	NC	4.00	HZ	36	31	34	82	8	17	29.16	29.87	06	OVC	015	7.00	-RA	36	34	35	93	6	30	28.91	29.63
09	CLR	NC	4.00	HZ	44	31	39	60	16	19	29.15	29.87	09	OVC	015	7.00	-RA	38	35	37	89	12	29	28.93	29.65
12	CLR	NC	6.00	HZ	59	31	46	35	16	18	29.10	29.81	12	OVC	017	10.00	-RA	39	36	38	89	10	29	28.96	29.68
15	CLR	NC	8.00		67	31	50	26	20	19	29.03	29.73	15	OVC	038	10.00		40	35	38	83	9	29	28.98	29.70
18	CLR	NC	9.00		60	39	50	46	15	19	29.02	29.72	18	OVC	025	10.00		40	33	37	77	9	29	29.02	29.74
21	CLR	NC	7.00		51	42	47	71	10	17	29.04	29.75	21	OVC	021	10.00		39	33	37	79	10	30	29.05	29.78
24	CLR	NC	6.00	HZ	48	42	45	80	10	18	29.04	29.74	24	OVC	015	10.00		39	34	37	82	15	31	29.07	29.79
<b>SUNRISE: 0616 MAR 16 SUNSET: 1811</b>																									
03	CLR	NC	5.00	BR	45	41	43	86	10	18	29.02	29.72	03	OVC	013	10.00		38	34	36	86	14	33	29.10	29.82
06	CLR	NC	4.00	BR	44	41	43	89	9	18	29.01	29.71	06	OVC	015	9.00		37	34	36	89	6	33	29.15	29.87
09	CLR	NC	3.00	HZ	49	43	46	80	10	19	28.98	29.68	09	OVC	016	10.00		42	35	39	76	10	33	29.19	29.91
12	CLR	NC	6.00	HZ	61	46	53	58	9	19	28.96	29.65	12	OVC	038	10.00		48	37	43	66	7	34	29.20	29.91
15	FEW	NC	10.00		70	48	58	46	13	20	28.91	29.60	15	OVC	025	10.00		50	38	44	63	7	30	29.20	29.91
18	OVC	055	6.00	-RA	60	51	55	72	3	06	28.90	29.60	18	BKN	049	10.00		49	39	44	69	0	00	29.20	29.92
21	BKN	070	3.00	BR	53	52	52	96	6	34	28.93	29.63	21	CLR	NC	10.00		37	36	37	96	6	13	29.21	29.94
24	VV	001	0.25	FG	44	44	44	100	3	13	28.94	29.64	24	CLR	NC	5.00	BR	34	33	34	97	7	16	29.21	29.93
<b>SUNRISE: 0614 MAR 17 SUNSET: 1812</b>																									
03	VV	001	0.25	FG	41	41	41	100	0	00	28.93	29.63	03	SCT	NC	3.00	BR	29	27	28	92	6	15	29.19	29.91
06	VV	001	0.25	FG	40	40	40	100	0	00	28.97	29.67	06	OVC	001	1.75	BR	31	30	31	96	6	15	29.18	29.90
09	VV	001	0.25	FG	45	45	45	100	0	00	29.01	29.72	09	CLR	NC	10.00		44	34	40	68	9	18	29.15	29.87
12	OVC	001	0.75	BR	49	49	49	100	5	31	29.00	29.71	12	CLR	NC	10.00		62	34	49	35	13	19	29.09	29.80
15	SCT	NC	5.00	HZ	58	52	55	81	9	30	28.97	29.68	15	CLR	NC	10.00		68	32	51	26	14	19	29.02	29.73
18	SCT	NC	4.00	BR	55	51	53	87	6	34	28.98	29.69	18	CLR	NC	10.00		64	33	49	32	15	19	28.98	29.69
21	FEW	NC	6.00	HZ	58	50	54	75	8	11	29.05	29.75	21	CLR	NC	10.00		59	33	47	38	18	19	28.99	29.70
24	BKN	050	5.00	HZ	51	43	47	74	15	10	29.10	29.80	24	CLR	NC	10.00		56	33	45	42	16	19	28.96	29.66
<b>SUNRISE: 0612 MAR 18 SUNSET: 1813</b>																									
03	CLR	NC	7.00		43	38	41	82	8	07	29.16	29.86	03	CLR	NC	10.00		56	35	46	46	13	18	28.91	29.60
06	OVC	007	4.00	BR	43	41	42	93	10	08	29.19	29.89	06	CLR	NC	10.00		53	40	47	61	10	30	28.98	29.67
09	OVC	007	4.00	BR	44	40	42	85	9	08	29.23	29.93	09	FEW	NC	10.00		52	39	46	61	6	32	29.06	29.75
12	OVC	011	4.00	HZ	46	40	43	79	12	09	29.23	29.94	12	BKN	100	10.00		59	30	46	33	8	34	29.08	29.77
15	OVC	021	6.00	HZ	49	40	45	71	9	10	29.21	29.93	15	CLR	NC	10.00		57	32	46	39	8	23	29.07	29.77
18	OVC	021	9.00		48	39	44	71	9	07	29.23	29.94	18	SCT	NC	10.00		55	27	43	34	8	26	29.09	29.79
21	OVC	025	10.00		46	37	42	71	7	07	29.25	29.97	21	BKN	110	10.00		52	29	42	41	7	25	29.12	29.83
24	OVC	032	10.00		44	34	40	68	10	09	29.27	29.98	24	CLR	NC	10.00		50	27	40	41	10	30	29.12	29.82

# OBSERVATIONS AT 3-HOURLY INTERVALS

# LA CROSSE, WI

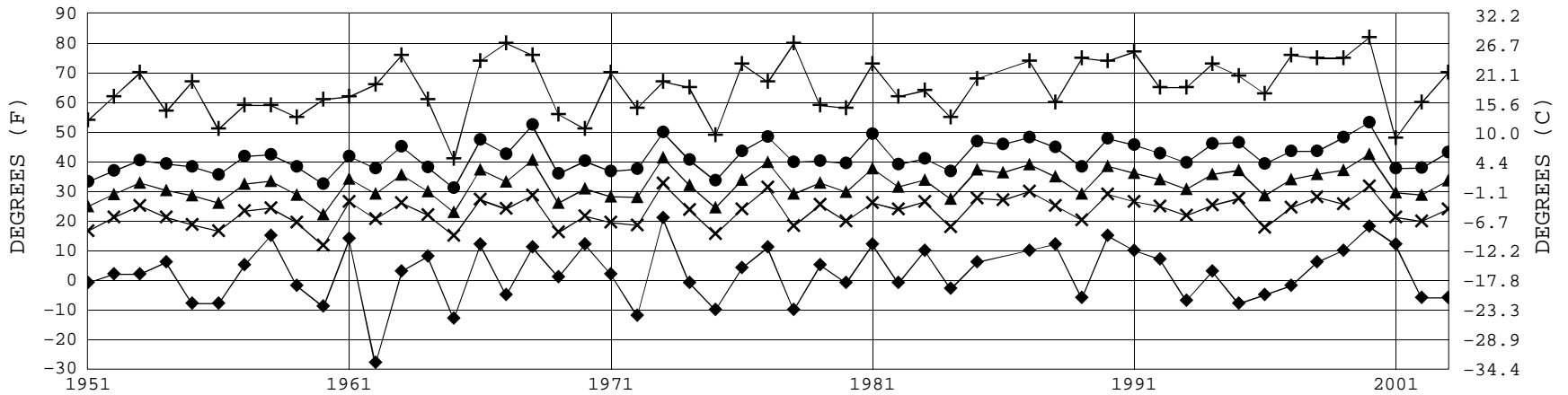
MARCH 2003

LSE

WBAN # 14920

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				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 Okltas		DRY BULB	DEW POINT			WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Okltas		DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Okltas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
03	CLR	NC				10.00		40	29	36	65	7	32	29.18	29.88	03	CLR	NC				10.00		27	22	25	81	6	14	29.39	30.13						
06	CLR	NC				10.00		32	26	30	79	3	15	29.24	29.96	06	CLR	NC				10.00		27	23	26	85	7	14	29.35	30.09						
09	CLR	NC				10.00		48	30	40	50	10	30	29.28	29.98	09	CLR	NC				10.00		42	24	35	49	10	19	29.32	30.05						
12	CLR	NC				10.00		52	26	41	37	17	31	29.27	29.97	12	CLR	NC				10.00		53	22	40	30	17	20	29.21	29.93						
15	CLR	NC				10.00		55	26	43	33	15	34	29.23	29.94	15	BKN	037				10.00	-RA	51	28	41	41	14	21	29.10	29.82						
18	CLR	NC				10.00		51	24	40	35	14	33	29.25	29.97	18	FEW	NC				10.00		51	32	43	48	14	17	28.95	29.67						
21	BKN	110				10.00		40	28	35	63	0	00	29.27	29.99	21	FEW	NC				10.00		46	33	40	61	8	16	28.88	29.59						
24	OVC	048				10.00		42	31	37	65	8	25	29.28	29.99	24	CLR	NC				10.00		47	35	42	63	8	13	28.83	29.54						
						SUNRISE: 0558		MAR		26				SUNSET: 1823																							
03	CLR	NC				10.00		36	31	34	82	0	00	29.26	29.98	3-HOURLY OBSERVATION NOTES																					
06	SCT	NC				0.25	FZFG	27	25	26	92	0	00	29.29	30.01	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,																					
09	CLR	NC				10.00		42	31	37	65	7	34	29.30	30.02	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.																					
12	CLR	NC				10.00		52	25	41	35	10	28	29.26	29.97	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																					
15	CLR	NC				10.00		54	19	40	25	6	29	29.21	29.92	NC= No ceiling detected.																					
18	CLR	NC				10.00		50	20	38	31	0	00	29.18	29.91	& = Original observation contained additional weather elements.																					
21	OVC	120				10.00		43	30	38	60	6	17	29.19	29.91	See page 3 for additional notes.																					
24	OVC	070				10.00		46	32	40	58	13	17	29.16	29.87																						
						SUNRISE: 0556		MAR		27				SUNSET: 1824																							
03	OVC	050				10.00	-RA	42	37	40	82	7	13	29.12	29.83	SUMMARY BY HOUR																					
06	OVC	030				5.00	RA BR	41	38	40	89	8	11	29.09	29.80	AVERAGES																					
09	OVC	024				2.50	RA BR	42	40	41	92	10	10	29.07	29.78	RESULTANT WIND (MPH)																					
12	OVC	011				5.00	BR	43	39	41	86	8	08	29.02	29.73	HOUR (LST)																					
15	BKN	055				7.00	-RA	45	41	43	86	13	06	28.90	29.62	CEILOMETER																					
18	OVC	025				8.00	-RA	45	40	43	83	10	08	28.94	29.66	EFF CLD AMT																					
21	OVC	065				8.00	-RA	40	37	39	89	16	10	28.98	29.70	DRY BULB																					
24	OVC	010				7.00	-RA	39	36	38	89	10	07	28.90	29.62	DEW POINT																					
						SUNRISE: 0554		MAR		28				SUNSET: 1826																							
03	OVC	010				4.00	-RA BR	38	37	38	97	10	35	28.85	29.57	WET BULB																					
06	OVC	008				6.00	-RA BR	38	37	38	97	12	33	28.87	29.59	RELATIVE HUMIDITY																					
09	OVC	009				10.00	-RA	36	34	35	93	13	34	28.88	29.61	PRESSURE (INCHES,HG)																					
12	OVC	010				9.00	-SN	36	33	35	89	15	32	28.93	29.66	STATION																					
15	OVC	024				9.00		36	30	34	79	21	33	28.99	29.71	SEA LEVEL																					
18	OVC	044				10.00		36	28	33	73	15	34	29.09	29.82	VISIBILITY (MILES)																					
21	OVC	026				10.00		34	28	32	79	13	35	29.17	29.89	WIND SPEED (MPH)																					
24	CLR	NC				10.00		32	24	29	73	16	35	29.21	29.94	SPEED																					
						SUNRISE: 0552		MAR		29				SUNSET: 1827																							
03	OVC	032				10.00		31	23	28	72	9	36	29.26	29.99	DIRECTION																					
06	OVC	039				10.00		30	20	27	66	8	36	29.33	30.07																						
09	OVC	029				5.00	-SN	30	23	28	75	10	33	29.42	30.16																						
12	BKN	038				10.00		37	22	32	54	13	35	29.47	30.21																						
15	BKN	055				10.00		43	19	34	38	14	33	29.50	30.24																						
18	CLR	NC				10.00		39	13	30	34	14	35	29.55	30.29																						
21	CLR	NC				10.00		30	15	25	54	0	00	29.60	30.35																						
24	CLR	NC				10.00		26	19	24	75	5	16	29.59	30.34																						
						SUNRISE: 0551		MAR		30				SUNSET: 1828																							
03	OVC	070				10.00		28	21	26	75	6	17	29.56	30.30																						
06	CLR	NC				10.00		24	18	22	77	6	16	29.55	30.30																						
09	CLR	NC				10.00		35	22	30	59	8	35	29.54	30.28																						
12	CLR	NC				10.00		43	20	34	40	12	36	29.50	30.24																						
15	BKN	090				10.00		45	20	36	37	8	35	29.46	30.19																						
18	OVC	070				10.00		42	18	33	38	5	33	29.43	30.17																						
21	OVC	070				10.00		33	21	29	61	0	00	29.44	30.18																						
24	CLR	NC				10.00		28	22	26	78	7	14	29.42	30.16																						

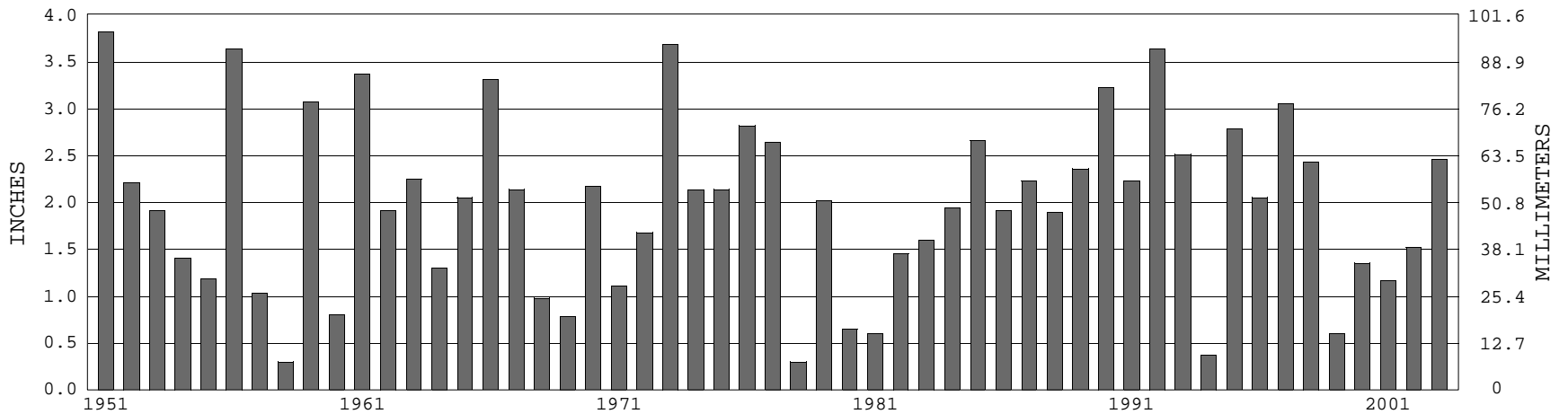
### LA CROSSE, WI MARCH TEMPERATURES



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

Long-Term (1951-2003) Mean: 32.4      1961-1990 Normal: 34.6

### LA CROSSE, WI MARCH PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 1.98

1961-1990 Normal: 2.00



MARCH 2003

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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