



MAY 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

MAY 2003
LA CROSSE, WI

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	25																												
01	70	47	59	3	35	48	6	0		0		0.0	0.00	29.17	29.87	5.0	02	6.5	23	06	18	06	01																													
02	66	47	57	1	23	42	8	0		0		0.0	0.00	29.38	30.08	5.1	10	7.8	21	08	16	09	02																													
03	69	40	55	-1	25	43	10	0		0		0.0	0.00	29.41	30.12	5.1	14	6.4	16	14	13	16	03																													
04	57	47	52	-5	38	45	13	0	RA BR VCTS	0		0.0	0.63	29.11	29.81	9.2	14	10.6	26	13	21	13	04																													
05	54	48	51	-6	49	50	14	0	RA BR	0		0.0	0.26	28.79	29.49	2.9	05	5.9	25	10	20	09	05																													
06	69	49	59	2	48	53	6	0	RA BR	0		0.0	0.01	29.12	29.82	2.3	09	3.3	16	08	14	09	06																													
07	62	44	53	-5	48	51	12	0	RA BR	0		0.0	0.36	29.24	29.94	3.1	06	5.1	17	03	13	03	07																													
08	63	40	52	-6	46	50	13	0	RA FG+ BR VCTS	0		0.0	0.69	29.22	29.92	5.0	13	6.9	24	09	18	12	08																													
09	71	50	61	3	51	55	4	0	RA BR	0		0.0	0.29	28.94	29.63	9.3	21	12.2	28	23	24	23	09																													
10	66	45	56	-3	50	53	9	0	RA BR VCTS	0		0.0	0.12	28.88	29.57	2.8	34	7.0	25	33	22	33	10																													
11	60	47	54	-5	46	49	11	0	TSRA RA BR VCTS	0		0.0	0.55	28.71	29.40	20.5	32	21.5	45*	32	36*	32	11																													
12	67	49	58	-1	38	48	7	0		0		0.0	0.00	29.23	29.93	12.0	32	12.4	25	32	20	32	12																													
13	73	41	57	-3	38	49	8	0		0		0.0	0.00	29.28	29.98	0.7	23	4.3	13	25	9	27	13																													
14	56	52	54	-6	48	51	11	0	RA BR	0		0.0	0.75	29.17	29.87	7.2	11	8.0	28	12	22	12	14																													
15	71	51	61	1	45	52	4	0		0		0.0	0.00	29.27	29.96	2.0	12	5.9	21	11	15	12	15																													
16	73	44	59	-1	45	52	6	0	BR HZ	0		0.0	0.00	29.34	30.04	1.4	12	4.4	16	09	13	09	16																													
17	73	49	61	1	50	55	4	0	BR HZ	0		0.0	0.00	29.40	30.10	4.6	11	5.8	18	08	14	09	17																													
18	77	52	65	4	54	59	0	0	BR HZ	0		0.0	0.00	29.34	30.03	7.3	15	7.8	23	15	18	16	18																													
19	75	51	63	1	59	62	2	0	RA BR HZ	0		0.0	0.15	29.29	29.97	3.4	22	13.1	33	34	28	33	19																													
20	62	41	52	-10	37	45	13	0		0		0.0	0.00	29.61	30.32	11.6	35	12.4	28	35	24	34	20																													
21	65	34*	50*	-13	36	45	15	0		0		0.0	0.00	29.63	30.35	3.0	15	5.5	17	25	15	16	21																													
22	65	41	53	-10	37	47	12	0	RA	0		0.0	T	29.52	30.23	4.4	11	6.0	17	10	14	09	22																													
23	68	46	57	-6	40	49	8	0		0		0.0	0.00	29.46	30.16	1.6	33	4.7	17	02	13	01	23																													
24	74	40	57	-6	39	49	8	0		0		0.0	0.00	29.34	30.04	2.1	32	3.9	15	33	12	34	24																													
25	79	42	61	-2	40	51	4	0		0		0.0	0.00	29.33	30.03	3.7	36	5.8	16	35	13	03	25																													
26	79	48	64	1	42	52	1	0		0		0.0	0.00	29.43	30.12	1.6	34	4.2	15	33	12	31	26																													
27	82	47	65	1	46	55	0	0		0		0.0	0.00	29.39	30.08	1.3	03	4.7	14	34	12	35	27																													
28	79	51	65	0	49	57	0	0	RA VCTS	0		0.0	0.02	29.17	29.85	10.3	35	11.8	38	34	31	34	28																													
29	80	50	65	0	45	54	0	0	RA	0		0.0	T	29.16	29.84	2.0	34	4.7	16	32	14	30	29																													
30	84*	54	69*	4	50	57	0	4	TSRA RA HZ VCTS	0		0.0	0.15	28.85	29.53	5.3	27	16.8	43	33	35	33	30																													
31	68	46	57	-8	40	49	8	0	RA	0		0.0	0.01	29.27	29.97	9.2	01	10.2	31	35	24	36	31																													
69.6										46.2		57.9		■ ■		43.1		50.9		7.0		0.1		< MONTHLY AVERAGES TOTALS->				0.0		3.99		29.24		29.94		1.2		02		7.9		-< MONTHLY AVERAGES										
-2.9										-2.5		-2.7		■ ■		<-----DEPARTURE FROM NORMAL----->										0.61		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.98 DATE :08-09											SEA LEVEL PRESSURE											DATE		TIME																			
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0 DATE :											MAXIMUM											:		30.45		21 0653																	
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :											MINIMUM											:		29.08		11 0053																	
HEATING: 217 15 7278 -24									NUMBER OF DAYS WITH →											MAXIMUM TEMP ≥ 90: 0											MINIMUM TEMP ≤ 32: 0											PRECIPITATION ≥ 0.01 INCH : 13										
COOLING: 4 -45 20 -37									MAXIMUM TEMP ≤ 32 : 0											MINIMUM TEMP ≤ 0 : 0											PRECIPITATION ≥ 0.10 INCH : 10																					
									THUNDERSTORMS : 2											HEAVY FOG : 1											SNOWFALL ≥ 1.0 INCH : 0																					

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

MAY 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		0.00	
02													02												02		0.00	
03													03												03		0.00	
04													04		T	0.12	0.10	0.02	0.04	0.04	0.04	0.17	0.04	T	0.06	04	0.63	
05	T	0.01		0.02	0.06	0.06	0.02	0.01	T				05	0.06	0.01	0.01	T							05		0.26		
06													06												06		0.01	
07	T	0.01											07												07		0.36	
08	T	0.03			0.02	0.11	0.19	0.01					08						T		T	0.08	0.29	0.32	08		0.69	
09	0.21	0.07	0.01										09												09		0.29	
10											T	T	10			T		0.03	T	0.01	0.02	0.01	0.05	10		0.12		
11	0.14	0.09		T	0.01	0.04	T	0.03	0.05	0.03	0.05	0.05	11	0.02	0.03	T	0.01							11		0.55		
12													12												12		0.00	
13													13												13		0.00	
14				T	0.03	0.06	0.04	0.03	0.02	0.06	0.10	0.22	14	0.10	0.04	T								14		0.75		
15													15												15		0.00	
16													16												16		0.00	
17													17												17		0.00	
18													18												18		0.00	
19													19			T		0.14			0.01	T			19		0.15	
20													20												20		0.00	
21													21												21		0.00	
22													22								T	T			22		T	
23													23												23		0.00	
24													24												24		0.00	
25													25												25		0.00	
26													26												26		0.00	
27													27												27		0.00	
28			T	T	0.02	T							28												28		0.02	
29													29									T	T	T	29		T	
30	T	T	0.01	0.09	0.03	0.02	T						30												30		0.15	
31	0.01	T											31			T	T	T						31		0.01		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.06	.10	.13	.15	.19	.28	.35	.44	.53	.65	.77	.86
Ending Date	14	14	14	14	14	08	08	08	09	09	09	09
Ending Time (Hour/Min)	1016	1016	1017	1025	1032	2312	2327	2345	0028	0028	0028	0033

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 MAY 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							10.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							4.00	10.00	
05							1.50	10.00	
06							4.00	10.00	
07							2.50	10.00	
08							<.25	10.00	
09							3.00	10.00	
10							3.00	10.00	
11							1.75	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							1.75	10.00	
15							10.00	10.00	
16							1.25	10.00	
17							2.50	10.00	
18							2.50	10.00	
19							1.75	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							6.00	10.00	
29							10.00	10.00	
30							2.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.82	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 1 8 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

MAY 2003

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	OBSERVATION	VISIBILITY		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION	STATION	SEA LEVEL		SKY COVER	CEILING	OBSERVATION	VISIBILITY		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION	STATION	SEA LEVEL
	100'S OF FT	TIME (LST)	AMT Oktas	(MILES)						TENS OF DEG						100'S OF FT	TIME (LST)	AMT Oktas		(MILES)					TENS OF DEG		
SUNRISE: 0458						MAY 01						SUNSET: 1906															
03	FEW	NC		10.00		47	42	45	83	7	35	29.12	29.82	03	OVC	070		10.00		54	49	51	83	0	00	29.18	29.87
06	OVC	085		10.00		49	42	46	77	0	00	29.15	29.86	06	OVC	030		4.00	RA BR	52	51	52	97	3	09	29.22	29.91
09	CLR	NC		10.00		59	43	51	56	6	VR	29.16	29.86	09	OVC	013		10.00		52	48	50	86	9	07	29.24	29.94
12	CLR	NC		10.00		69	32	51	25	13	02	29.18	29.87	12	OVC	017		10.00		55	48	51	77	9	09	29.25	29.95
15	CLR	NC		10.00		68	29	50	23	0	00	29.17	29.86	15	BKN	027		10.00		60	49	54	67	12	36	29.25	29.94
18	CLR	NC		10.00		67	30	50	25	6	07	29.16	29.85	18	CLR	NC		10.00		59	46	52	62	6	VR	29.25	29.95
21	SCT	NC		10.00		60	32	47	35	15	02	29.22	29.91	21	CLR	NC		10.00		48	45	47	89	3	03	29.29	29.99
24	CLR	NC		10.00		55	31	44	40	5	03	29.28	29.97	24	OVC	039		10.00		46	45	46	96	0	00	29.30	30.00
SUNRISE: 0456						MAY 02						SUNSET: 1908															
03	CLR	NC		10.00		54	31	44	42	5	09	29.32	30.02	03	CLR	NC		4.00	BR	43	42	43	97	0	00	29.31	30.01
06	CLR	NC		10.00		48	22	38	36	9	09	29.38	30.09	06	VV	001		<.25	FG	44	44	44	100	0	00	29.32	30.03
09	CLR	NC		10.00		52	17	39	25	10	09	29.42	30.13	09	BKN	019		10.00		54	48	51	80	10	20	29.32	30.03
12	CLR	NC		10.00		60	22	44	23	7	12	29.41	30.11	12	BKN	033		10.00		62	47	54	58	7	VR	29.27	29.97
15	CLR	NC		10.00		66	26	48	22	7	36	29.36	30.06	15	CLR	NC		10.00		63	46	54	54	13	14	29.23	29.93
18	CLR	NC		10.00		63	21	45	20	3	26	29.35	30.05	18	FEW	NC		10.00		61	48	54	63	9	13	29.14	29.84
21	CLR	NC		10.00		53	21	40	29	0	00	29.39	30.10	21	OVC	095		10.00	-RA	58	48	53	70	14	11	29.07	29.76
24	CLR	NC		10.00		49	24	39	38	6	12	29.43	30.14	24	OVC	015		5.00	RA BR	53	51	52	93	6	18	29.02	29.71
SUNRISE: 0455						MAY 03						SUNSET: 1909															
03	CLR	NC		10.00		44	24	36	45	7	12	29.46	30.16	03	OVC	014		10.00		54	51	52	90	5	12	28.91	29.60
06	CLR	NC		10.00		41	26	35	55	8	12	29.48	30.20	06	OVC	012		10.00		57	54	55	90	18	15	28.84	29.53
09	CLR	NC		10.00		54	22	41	29	5	VR	29.49	30.19	09	OVC	020		8.00		62	56	59	81	17	23	28.85	29.54
12	CLR	NC		10.00		64	22	46	20	3	VR	29.44	30.15	12	BKN	045		10.00		68	51	58	55	16	23	28.90	29.59
15	CLR	NC		10.00		67	24	48	20	8	14	29.37	30.08	15	SCT	NC		10.00		68	50	58	53	13	24	28.96	29.65
18	CLR	NC		10.00		65	20	46	18	9	18	29.32	30.03	18	BKN	044		10.00		65	49	56	56	10	27	29.00	29.69
21	CLR	NC		10.00		56	30	44	37	9	16	29.35	30.06	21	CLR	NC		10.00		59	47	53	64	5	21	29.05	29.74
24	CLR	NC		10.00		51	35	44	54	6	14	29.34	30.05	24	CLR	NC		10.00		50	45	47	83	6	23	29.04	29.73
SUNRISE: 0453						MAY 04						SUNSET: 1910															
03	CLR	NC		10.00		50	33	42	52	7	14	29.32	30.01	03	CLR	NC		10.00		48	46	47	93	3	12	29.04	29.73
06	CLR	NC		10.00		48	29	40	48	9	15	29.23	29.93	06	CLR	NC		10.00		48	47	47	96	5	15	29.00	29.69
09	CLR	NC		10.00		54	36	46	51	13	14	29.18	29.88	09	CLR	NC		10.00		58	50	54	75	7	23	29.03	29.72
12	CLR	NC		10.00		56	39	48	53	15	15	29.20	29.90	12	CLR	NC		10.00		63	50	56	63	12	30	28.96	29.65
15	OVC	031		4.00	RA	51	45	48	80	10	15	29.07	29.78	15	BKN	100		10.00		66	52	58	61	12	34	28.89	29.59
18	OVC	055		9.00	-RA	51	45	48	80	13	09	28.95	29.66	18	OVC	047		10.00	-RA	57	52	54	83	9	36	28.78	29.47
21	OVC	041		6.00	RA	48	42	45	80	13	24	28.89	29.59	21	OVC	031		10.00		55	52	53	90	9	36	28.69	29.37
24	OVC	020		4.00	-RA BR	49	46	47	90	6	VR	28.81	29.50	24	OVC	011		10.00		59	56	57	90	0	00	28.44	29.12
SUNRISE: 0452						MAY 05						SUNSET: 1911															
03	OVC	012		6.00	BR	49	46	47	90	8	09	28.75	29.44	03	OVC	011		10.00		52	50	51	93	14	27	28.42	29.10
06	OVC	017		4.00	RA BR	50	48	49	93	7	09	28.70	29.39	06	OVC	018		4.00	-RA BR	48	45	46	89	20	30	28.45	29.14
09	OVC	010		10.00		51	48	49	89	8	10	28.69	29.39	09	OVC	023		7.00	-RA	49	46	47	90	26	32	28.55	29.24
12	OVC	012		5.00	BR	51	50	51	96	0	00	28.74	29.43	12	OVC	032		10.00	-RA	51	47	49	86	26	32	28.67	29.35
15	OVC	016		10.00	-RA	53	51	52	93	5	32	28.79	29.49	15	OVC	029		10.00	-RA	52	47	49	83	29	33	28.78	29.47
18	OVC	015		10.00		53	50	51	89	9	33	28.86	29.56	18	OVC	034		10.00	-RA	52	45	48	77	25	33	28.91	29.61
21	OVC	026		10.00		52	49	50	89	3	29	28.93	29.63	21	OVC	050		10.00		52	43	48	72	16	33	29.02	29.72
24	OVC	011		8.00		51	49	50	92	0	00	28.97	29.68	24	BKN	095		10.00		53	40	47	61	14	33	29.06	29.76
SUNRISE: 0451						MAY 06						SUNSET: 1912															
03	OVC	010		5.00	BR	50	48	49	93	0	00	29.02	29.72	03	CLR	NC		10.00		51	39	45	64	13	31	29.11	29.81
06	OVC	044		4.00	BR	50	49	49	96	0	00	29.08	29.78	06	CLR	NC		10.00		51	37	45	59	15	33	29.18	29.88
09	OVC	046		8.00		54	49	51	83	0	00	29.13	29.83	09	CLR	NC		10.00		57	37	47	47	14	32	29.25	29.95
12	OVC	050		10.00		61	45	53	56	3	VR	29.16	29.85	12	CLR	NC		10.00		63	38	51	40	16	32	29.27	29.96
15	FEW	NC		10.00		66	47	56	50	6	08	29.16	29.85	15	CLR	NC		10.00		66	36	51	33	15	31	29.27	29.96
18	CLR	NC		10.00		65	47	55	52	6	10	29.14	29.83	18	FEW	NC		10.00		64	37	51	37	12	31	29.27	29.97
21	FEW	NC		10.00		61	47	54	60	12	09	29.16	29.85	21	CLR	NC		10.00		55	38	47	53	5	29	29.30	30.00
24	OVC	100		10.00		58	47	52	67	0	00	29.19	29.88	24	CLR	NC		10.00		50	42	46	74	5	05	29.32	30.01

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

MAY 2003

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 Okltas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Okltas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																																																																																																																																																																																																																
																														TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F	TEMPERATURE °F																																																																																																																																																																																																												
SUNRISE: 0442						MAY 13						SUNSET: 1920						SUNRISE: 0436						MAY 19						SUNSET: 1927																																																																																																																																																																																																															
03	CLR	NC			10.00	46	39	43	77	3	15	29.32	30.03	03	OVC	050			9.00	66	58	61	75	8	16	29.29	29.96	06	BKN	019			6.00	66	59	62	78	9	15	29.27	29.95	09	OVC	017			5.00	67	61	63	81	9	19	29.30	29.98	12	CLR	NC			4.00	71	63	66	76	14	18	29.27	29.95	15	CLR	NC			6.00	74	66	69	76	13	18	29.22	29.89	18	CLR	NC			10.00	65	62	63	90	14	31	29.23	29.91	21	CLR	NC			10.00	56	53	54	90	25	32	29.34	30.04	24	BKN	120			10.00	55	43	49	64	5	12	29.19	29.88	24	OVC	017			10.00	51	45	48	80	21	35	29.44	30.14																																																																																																		
SUNRISE: 0441						MAY 14						SUNSET: 1922						SUNRISE: 0435						MAY 20						SUNSET: 1928																																																																																																																																																																																																															
03	OVC	080			10.00	-RA	55	46	50	72	6	14	29.16	29.85	03	CLR	NC			10.00	49	38	44	66	17	34	29.50	30.20	06	OVC	041			9.00	48	38	43	68	18	35	29.56	30.27	09	OVC	017			3.00	50	35	43	57	17	33	29.61	30.33	12	OVC	039			6.00	54	50	52	87	10	11	29.18	29.88	15	OVC	035			10.00	54	50	52	87	12	09	29.15	29.85	18	OVC	039			10.00	55	46	50	72	9	12	29.16	29.86	21	OVC	065			10.00	53	46	49	77	7	09	29.18	29.88	24	OVC	048			10.00	53	45	49	74	6	36	29.21	29.91	24	CLR	NC			10.00	45	38	42	77	5	13	29.69	30.41																																																																																																	
SUNRISE: 0440						MAY 15						SUNSET: 1923						SUNRISE: 0434						MAY 21						SUNSET: 1929																																																																																																																																																																																																															
03	OVC	070			10.00	53	44	49	72	6	09	29.22	29.91	03	CLR	NC			10.00	40	37	39	89	0	00	29.71	30.42	06	OVC	095			10.00	52	46	49	80	6	36	29.27	29.97	09	CLR	NC			10.00	42	37	40	82	6	11	29.72	30.44	12	CLR	NC			10.00	60	46	53	60	6	32	29.28	29.98	15	CLR	NC			10.00	68	45	56	44	0	00	29.26	29.95	18	CLR	NC			10.00	70	43	56	38	9	13	29.26	29.94	21	CLR	NC			10.00	62	37	49	42	9	22	29.66	30.37	24	CLR	NC			10.00	68	44	55	42	7	16	29.27	29.96	24	CLR	NC			10.00	59	48	53	67	3	15	29.31	30.00	24	CLR	NC			10.00	52	42	47	69	3	11	29.32	30.02	24	CLR	NC			10.00	54	37	46	53	5	10	29.55	30.26	24	CLR	NC			10.00	47	38	43	71	7	13	29.55	30.26																																																								
SUNRISE: 0439						MAY 16						SUNSET: 1924						SUNRISE: 0433						MAY 22						SUNSET: 1930																																																																																																																																																																																																															
03	CLR	NC			10.00	49	39	44	69	3	20	29.34	30.04	03	CLR	NC			10.00	44	37	41	76	5	12	29.55	30.26	06	CLR	NC			10.00	49	44	47	83	0	00	29.36	30.06	09	CLR	NC			10.00	44	38	41	79	6	12	29.58	30.29	12	BKN	060			10.00	60	47	53	62	6	30	29.37	30.07	15	CLR	NC			10.00	55	38	47	53	7	19	29.55	30.26	18	CLR	NC			10.00	68	42	54	39	6	31	29.34	30.04	21	CLR	NC			10.00	63	40	51	43	0	00	29.52	30.23	24	CLR	NC			10.00	72	44	57	37	10	07	29.30	29.99	24	OVC	070			10.00	63	39	51	41	0	00	29.48	30.19	24	OVC	070			10.00	60	35	48	39	9	10	29.46	30.18	24	OVC	070			10.00	62	48	55	60	7	11	29.34	30.04	24	OVC	070			10.00	57	36	47	45	3	VR	29.48	30.19	24	OVC	070			10.00	58	49	53	72	8	16	29.36	30.06	24	OVC	070			10.00	54	39	47	57	5	09	29.48	30.18																												
SUNRISE: 0438						MAY 17						SUNSET: 1925						SUNRISE: 0432						MAY 23						SUNSET: 1931																																																																																																																																																																																																															
03	CLR	NC			7.00	53	49	51	86	5	12	29.40	30.10	03	OVC	060			10.00	52	39	46	61	9	08	29.50	30.20	06	CLR	NC			10.00	52	50	51	93	5	12	29.43	30.13	06	SCT	NC			10.00	49	43	46	80	5	33	29.52	30.23	09	BKN	009			5.00	56	51	53	84	5	VR	29.43	30.14	09	CLR	NC			10.00	57	44	50	62	5	34	29.51	30.22	12	FEW	NC			10.00	66	51	58	59	3	VR	29.43	30.12	12	FEW	NC			10.00	66	51	58	59	3	VR	29.43	30.12	12	SCT	NC			10.00	64	40	52	41	7	VR	29.48	30.18	15	BKN	060			10.00	72	51	60	48	3	VR	29.39	30.08	15	CLR	NC			10.00	67	41	54	39	9	29	29.43	30.13	18	SCT	NC			10.00	69	48	57	47	8	11	29.37	30.07	18	CLR	NC			10.00	66	33	50	29	5	25	29.39	30.09	21	CLR	NC			10.00	62	50	55	65	7	09	29.38	30.09	21	CLR	NC			10.00	56	44	50	65	0	00	29.40	30.11	24	CLR	NC			10.00	58	51	54	78	6	VR	29.40	30.10	24	CLR	NC			10.00	49	41	45	74	0	00	29.39	30.10
SUNRISE: 0437						MAY 18						SUNSET: 1926						SUNRISE: 0431						MAY 24						SUNSET: 1932																																																																																																																																																																																																															
03	CLR	NC			5.00	54	51	52	90	0	00	29.41	30.10	03	CLR	NC			10.00	45	40	43	83	0	00	29.38	30.09	06	CLR	NC			10.00	46	51	52	90	5	12	29.41	30.11	06	CLR	NC			10.00	46	42	44	86	0	00	29.38	30.09	09	CLR	NC			10.00	63	54	58	73	6	12	29.38	30.08	09	CLR	NC			10.00	58	46	52	65	5	VR	29.37	30.07	12	CLR	NC			10.00	75	51	61	43	10	16	29.33	30.02	12	CLR	NC			10.00	69	39	54	33	10	29	29.33	30.03	15	FEW	NC			10.00	76	56	64	50	8	14	29.30	29.98	15	CLR	NC			10.00	71	32	52	24	6	32	29.30	30.00	18	BKN	049			10.00	72	56	62	57	10	15	29.28	29.97	18	CLR	NC			10.00	68	37	52	32	7	30	29.28	29.98	21	OVC	060			10.00	69	56	61	63	13	14	29.30	29.98	21	CLR	NC			10.00	57	41	49	55	0	00	29.30	29.99	24	OVC	055			10.00	67	57	61	71	8	16	29.30	29.98	24	CLR	NC			10.00	53	39	46	59	7	05	29.30	29.99														

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

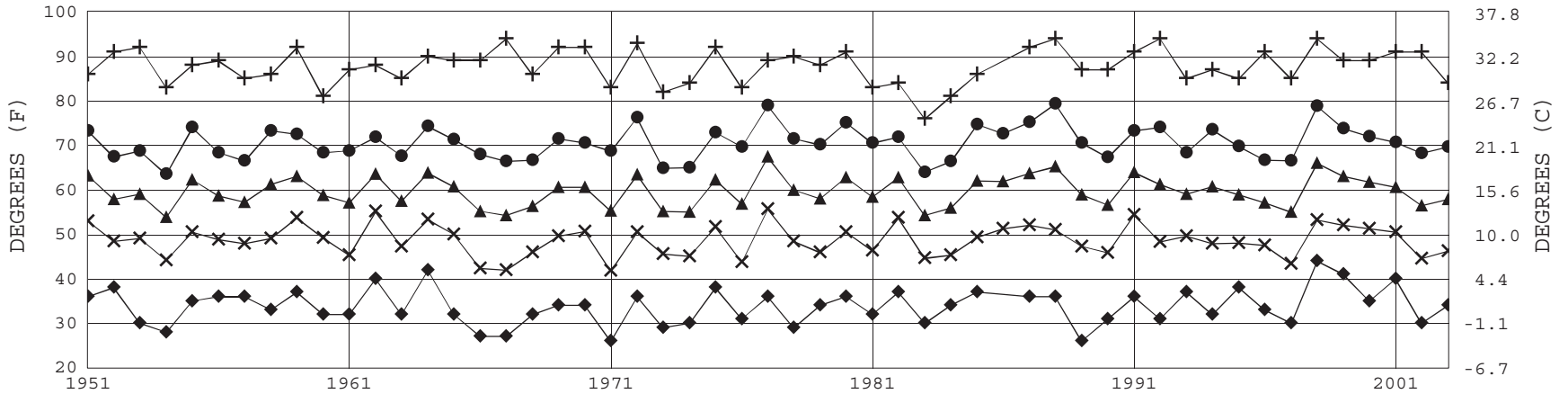
MAY 2003

LSE

WBAN # 14920

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)			
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)					SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL														
SUNRISE: 0431										MAY 25				SUNSET: 1933				SUNRISE: 0427										MAY 31				SUNSET: 1939					
03	CLR	NC						10.00		47	39	43	74	5	12	29.32	30.02	03	OVC	023								10.00		53	45	49	74	18	36	29.13	29.80
06	CLR	NC						10.00		48	43	46	83	3	13	29.36	30.06	06	OVC	023								10.00		50	41	46	71	16	35	29.25	29.94
09	CLR	NC						10.00		61	43	52	52	5	32	29.37	30.08	09	SCT	NC							10.00		55	41	48	59	9	02	29.30	30.00	
12	CLR	NC						10.00		73	38	55	28	5	VR	29.34	30.04	12	CLR	NC							10.00		62	37	50	40	10	02	29.31	30.01	
15	CLR	NC						10.00		79	34	56	20	10	35	29.31	30.00	15	CLR	NC							10.00		67	32	50	27	8	36	29.31	30.00	
18	CLR	NC						10.00		75	37	55	25	7	01	29.30	29.98	18	CLR	NC							10.00		64	35	50	34	7	03	29.31	30.00	
21	CLR	NC						10.00		59	44	51	58	8	32	29.32	30.02	21	CLR	NC							10.00		51	42	47	71	6	04	29.32	30.04	
24	CLR	NC						10.00		55	41	48	59	3	02	29.35	30.04	24	CLR	NC							10.00		47	41	44	80	5	15	29.36	30.07	
SUNRISE: 0430										MAY 26				SUNSET: 1934				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.																											
03	CLR	NC						10.00		52	41	47	66	6	11	29.38	30.08																				
06	CLR	NC						10.00		51	42	47	71	0	00	29.45	30.14																				
09	CLR	NC						10.00		65	47	55	52	5	VR	29.48	30.17																				
12	CLR	NC						10.00		75	38	56	26	5	VR	29.44	30.14																				
15	CLR	NC						10.00		77	33	55	20	9	32	29.41	30.10																				
18	CLR	NC						10.00		75	37	55	25	0	00	29.39	30.09																				
21	CLR	NC						10.00		60	48	54	65	5	36	29.42	30.12																				
24	CLR	NC						10.00		54	47	50	77	0	00	29.43	30.13																				
SUNRISE: 0429										MAY 27				SUNSET: 1935				SUMMARY BY HOUR																			
										AVERAGES										RESULTANT WIND (MPH)																	
HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE	OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION																		
								DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																						
03	CLR	NC						10.00		49	45	47	86	3	14	29.44	30.14																				
06	CLR	NC						10.00		51	47	49	86	3	14	29.48	30.18																				
09	CLR	NC						10.00		65	47	55	52	0	00	29.47	30.17																				
12	CLR	NC						10.00		78	39	57	25	9	35	29.43	30.12																				
15	CLR	NC						10.00		81	42	60	25	8	35	29.36	30.05																				
18	CLR	NC						10.00		77	46	60	33	3	34	29.31	30.00																				
21	CLR	NC						10.00		65	50	57	59	6	11	29.29	29.98																				
24	CLR	NC						10.00		61	50	55	67	7	14	29.23	29.91																				
SUNRISE: 0428										MAY 28				SUNSET: 1936																							
03	OVC	095						10.00	-RA	62	56	59	81	0	00	29.18	29.86																				
06	SCT	NC						10.00		61	58	59	90	3	01	29.18	29.86																				
09	FEW	NC						10.00		68	59	63	73	13	32	29.16	29.85																				
12	SCT	NC						10.00		75	50	61	42	24	35	29.16	29.84																				
15	SCT	NC						10.00		79	37	57	22	28	33	29.13	29.80																				
18	CLR	NC						10.00		74	38	55	27	21	36	29.16	29.84																				
21	CLR	NC						10.00		63	44	53	50	3	34	29.21	29.90																				
24	CLR	NC						10.00		54	47	50	77	3	02	29.20	29.88																				
SUNRISE: 0428										MAY 29				SUNSET: 1937																							
03	CLR	NC						10.00		54	46	50	75	3	01	29.19	29.87																				
06	CLR	NC						10.00		57	49	53	75	0	00	29.23	29.91																				
09	CLR	NC						10.00		67	48	57	51	7	33	29.24	29.93																				
12	CLR	NC						10.00		76	44	58	32	8	33	29.20	29.88																				
15	CLR	NC						10.00		77	40	57	26	6	VR	29.14	29.82																				
18	CLR	NC						10.00		76	40	57	27	0	00	29.09	29.78																				
21	CLR	NC						10.00		62	47	54	58	6	12	29.09	29.77																				
24	CLR	NC						10.00	-RA	60	48	54	65	8	17	29.04	29.72																				
SUNRISE: 0427										MAY 30				SUNSET: 1938																							
03	OVC	090						10.00	-TSRA	62	44	53	52	8	13	28.96	29.64																				
06	OVC	075						10.00		59	47	53	64	15	19	28.94	29.62																				
09	SCT	NC						10.00		65	48	56	54	18	19	28.85	29.54																				
12	CLR	NC						10.00		77	58	65	52	23	22	28.74	29.41																				
15	FEW	NC						10.00		83	41	60	23	22	32	28.66	29.32																				
18	OVC	024						10.00	-RA	62	58	60	86	16	33	28.75	29.43																				
21	OVC	023						10.00		61	54	57	78	20	35	28.86	29.55																				
24	OVC	021						10.00		54	48	51	80	21	36	29.01	29.69																				

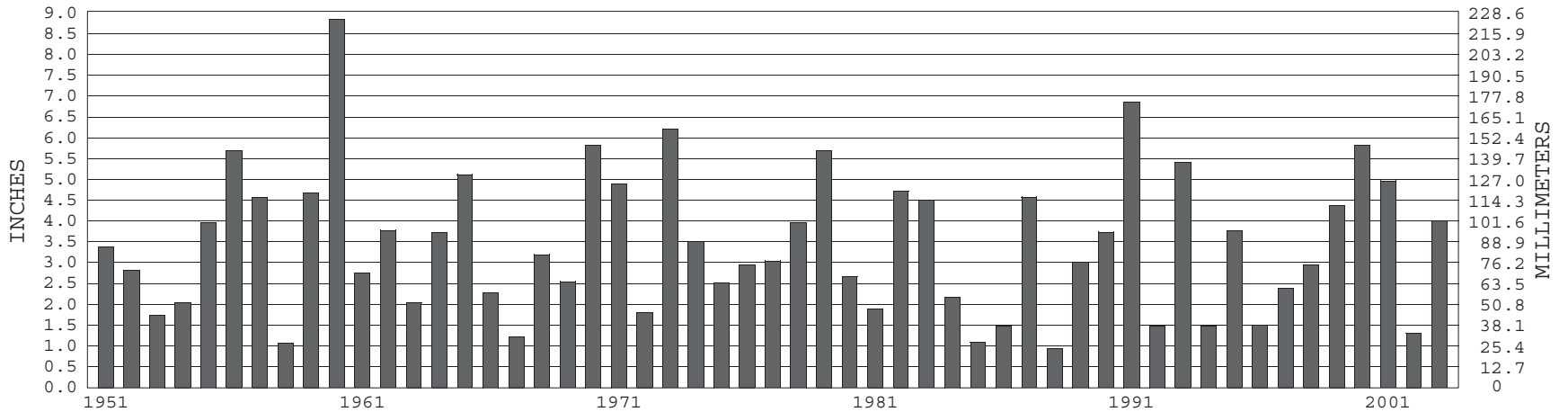
LA CROSSE, WI MAY TEMPERATURES



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

Long-Term (1951-2003) Mean: 59.7 1961-1990 Normal: 60.6

LA CROSSE, WI MAY PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 3.45

1961-1990 Normal: 3.38



MAY 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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