



MAY 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	56	39	48	-8			17	0	TSRA GS	0		T	0.39					7.9	16	35	14	35	01				
02	52	33	43*	-13			22	0		0		0.0	0.00					16.5	35	30	28	29	02				
03	61	30*	46	-10	24	38	19	0		0		0.0	0.00	29.37	30.09	3.7	18	5.5	16	18	14	19	03				
04	72	40	56	-1	32	44	9	0		0		0.0	0.00	29.36	30.07	5.3	22	12.5	30	21	25	21	04				
05	74	33	54	-3	44	50	11	0	RA VCTS	0		0.0	0.14	29.33	30.04	4.0	19	7.8	36	26	30	26	05				
06	81	52	67	10	56	60	0	2	RA	0		0.0	0.01	29.08	29.77	3.6	32	9.6	32	30	26	33	06				
07	61	44	53	-5	41	47	12	0	RA	0		0.0	0.07	29.37	30.08	7.4	06	11.2	29	10	22	10	07				
08	75	48	62	4	51	55	3	0	RA BR HZ VCTS	0		0.0	0.04	29.02	29.71	8.0	15	11.0	26	34	22	34	08				
09	57	45	51	-7	33	42	14	0	RA	0		0.0	T	29.12	29.82	20.0	29	20.7	48*	29	39*	28	09				
10	63	42	53	-6	30	43	12	0		0		0.0	0.00	29.53	30.24	6.0	31	8.5	26	29	21	29	10				
11	56	44	50	-9	38	43	15	0	RA BR VCTS	0		0.0	0.22	29.45	30.17	8.7	12	10.0	30	15	24	14	11				
12	50	43	47	-12	41	44	18	0	BR	0		0.0	0.00	29.35	30.07	8.3	01	9.3	20	35	17	34	12				
13	60	38	49	-11	40	45	16	0	RA VCTS	0		0.0	0.03	29.36	30.08	6.0	34	6.9	31	31	24	32	13				
14	64	42	53	-7	40	47	12	0		0		0.0	0.00	29.37	30.08	5.1	35	6.9	16	31	14	32	14				
15	77	43	60	0	48	55	5	0	RA	0		0.0	T	29.13	29.82	12.7	19	13.5	35	22	29	21	15				
16	67	45	56	-4	43	51	9	0		0		0.0	0.00	29.23	29.92	8.0	36	10.2	22	35	18	35	16				
17	57	36	47	-13	26	39	18	0		0		0.0	0.00	29.48	30.19	7.7	02	8.5	26	01	17	36	17				
18	59	35	47	-14	26	39	18	0	RA	0		0.0	T	29.51	30.23	4.2	35	5.0	18	33	15	35	18				
19	60	36	48	-14	26	39	17	0		0		0.0	0.00	29.56	30.28	6.7	01	9.2	24	33	20	34	19				
20	58	34	46	-16	26	38	19	0		0		0.0	0.00	29.69	30.42	2.7	01	5.9	18	05	14	04	20				
21	66	38	52	-11	33	44	13	0		0		0.0	0.00	29.58	30.29	8.8	18	9.5	22	18	17	20	21				
22	76	46	61	-2	43	52	4	0		0		0.0	0.00	29.27	29.96	16.4	18	16.7	37	20	30	18	22				
23	80	53	67	4	48	56	0	2	RA	0		0.0	T	29.10	29.78	7.8	27	14.3	26	20	22	20	23				
24	64	47	56	-7	34	45	9	0		0		0.0	0.00	29.38	30.09	5.2	04	8.1	22	03	16	03	24				
25	62	42	52	-11	41	47	13	0	RA	0		0.0	0.12	29.29	30.00	3.0	14	6.2	21	13	16	13	25				
26	80	54	67	4	52	57	0	2	TSRA RA BR VCTS	0		0.0	0.20	29.24	29.94	8.3	22	12.0	35	24	28	24	26				
27	81	57	69	5	57	61	0	4	RA	0		0.0	T	29.27	29.95	1.5	16	4.9	13	33	10	31	27				
28	85	56	71	6	58	62	0	6	TS RA BR HZ	0		0.0	0.05	29.22	29.90	5.5	17	7.0	21	21	17	21	28				
29	83	59	71	6	63	66	0	6	RA BR	0		0.0	T	29.12	29.80	4.8	19	5.8	13	17	12	20	29				
30	91*	66	79*	14	61	67	0	14	RA	0		0.0	0.04	28.99	29.66	7.6	22	9.9	22	28	18	24	30				
31	86	60	73	8	47	59	0	8		0		0.0	0.00	29.05	29.72	4.9	32	6.7	17	33	15	31	31				
68.2 44.5 56.4 ■■ ■										< MONTHLY AVERAGES		TOTALS->			T	1.31			9.6	<- MONTHLY AVERAGES							
-4.3 -4.2 -4.2 ■■ ■										<-----DEPARTURE FROM NORMAL----->										-2.07				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3			
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.39 DATE :01					SEA LEVEL PRESSURE DATE TIME													
MONTHLY									GREATEST 24-HR SNOWFALL: T DATE :01					MAXIMUM					: 30.49 20 0753								
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :					MINIMUM					: 29.48 08 1953								
HEATING: 305 85 6357 -1098									NUMBER OF DAYS WITH ➔			MAXIMUM TEMP ≥ 90: 1			MINIMUM TEMP ≤ 32: 1			PRECIPITATION ≥ 0.01 INCH : 11									
COOLING: 44 -5 69 12												MAXIMUM TEMP ≤ 32 : 0			MINIMUM TEMP ≤ 0 : 0			PRECIPITATION ≥ 0.10 INCH : 5									
												THUNDERSTORMS : 3			HEAVY FOG : 0			SNOWFALL ≥ 1.0 INCH : 0									

MAY 2002
LA CROSSE, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

MAY 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	0.01	T	T							T	T	0.06	01	0.01					0.06	T					0.07	0.01	01	0.00	0.39
02													02														0.00		
03													03														0.00		
04													04														0.00		
05													05														0.14		
06													06														0.01		
07													07														0.07		
08													08														0.04		
09													09														T		
10													10														0.00		
11										T	T	0.05	0.09	0.04	11	T	T		T	T	0.01		T	0.01	T	0.01	11	0.22	
12															12												0.00		
13															13												0.03		
14															14												0.00		
15															15												T		
16															16												0.00		
17															17												0.00		
18															18												T		
19															19												0.00		
20															20												0.00		
21																											21	0.00	
22																											22		0.00
23																											23		T
24																											24		0.00
25																											25		0.12
26																											26		0.20
27																											27		T
28																											28		0.05
29																											29		T
30																											30		0.04
31	31	0.00																											

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

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
MAY 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									
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							5.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							3.00	10.00	
12							5.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							7.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	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							4.00	10.00	
27							7.00	10.00	
28							2.50	10.00	
29							2.50	10.00	
30							7.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							8.75	10.00	
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p align="center">Percent Possible:</p>									
<p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">31</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">0 2 26</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

MAY 2002

LSE

WBAN # 14920

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)			
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0457	MAY 01			SUNSET: 1907										SUNRISE: 0449	MAY 07			SUNSET: 1914						
03														03	OVC	014					48	43	46	83	13	36	29.32	30.00	
06														06	OVC	014					45	39	42	80	9	03	29.39	30.10	
09														09	SCT	NC			-RA		51	39	45	64	10	03	29.44	30.15	
12														12	SCT	NC					48	43	46	83	6	08	29.43	30.15	
15														15	CLR	NC					59	43	51	56	9	09	29.41	30.12	
18														18	CLR	NC					60	42	51	52	12	09	29.32	30.02	
21														21	OVC	060					54	40	47	59	13	10	29.35	30.06	
24														24	OVC	046					51	34	43	52	12	11	29.32	30.03	
					SUNRISE: 0456	MAY 02			SUNSET: 1908										SUNRISE: 0448	MAY 08			SUNSET: 1915						
03														03	OVC	032					48	37	43	66	12	13	29.22	29.92	
06														06	OVC	022					48	39	44	71	8	11	29.19	29.89	
09	CLR	NC			10.00	42	21	34	43	18	32	29.10		09	OVC	016					52	45	48	77	7	12	29.12	29.83	
12	SCT	NC			10.00	48	23	38	37	20	29	29.08		12	OVC	018					61	54	57	78	8	17	29.03	29.73	
15	SCT	NC			10.00	47	27	39	46	20	32	29.08		15	SCT	NC			HZ		72	59	64	64	13	14	28.93	29.62	
18	CLR	NC			10.00	50	18	38	28	17	32	29.08		18	CLR	NC					72	60	65	66	12	15	28.82	29.51	
21	CLR	NC			10.00	44	16	34	32	9	30	29.17	29.89	21	BKN	085					66	63	64	90	18	23	28.83	29.52	
24	CLR	NC			10.00	39	21	32	48	9	33	29.24	29.95	24	OVC	007					58	56	57	93	21	33	28.85	29.54	
					SUNRISE: 0454	MAY 03			SUNSET: 1909										SUNRISE: 0447	MAY 09			SUNSET: 1916						
03	CLR	NC			10.00	33	23	29	67	0	00	29.31	30.03	03	OVC	017					49	43	46	80	17	32	28.94	29.63	
06	CLR	NC			10.00	34	27	31	76	5	06	29.37	30.10	06	FEW	NC					45	33	40	63	17	31	29.00	29.70	
09	CLR	NC			10.00	44	22	36	41	6	14	29.42	30.14	09	OVC	037					47	33	41	59	23	28	29.06	29.75	
12	CLR	NC			10.00	52	27	41	38	8	26	29.40	30.12	12	OVC	045					48	30	40	50	25	29	29.13	29.83	
15	CLR	NC			10.00	59	23	44	25	10	22	29.36	30.09	15	BKN	060					50	28	41	43	26	29	29.15	29.86	
18	CLR	NC			10.00	59	22	44	24	10	18	29.35	30.07	18	FEW	NC					48	31	41	52	23	28	29.20	29.91	
21	CLR	NC			10.00	51	29	42	43	8	16	29.37	30.09	21	CLR	NC					47	28	39	48	16	29	29.29	30.00	
24	CLR	NC			10.00	49	25	39	39	6	17	29.38	30.09	24	CLR	NC					46	30	39	54	15	27	29.33	30.05	
					SUNRISE: 0453	MAY 04			SUNSET: 1910										SUNRISE: 0445	MAY 10			SUNSET: 1917						
03	CLR	NC			10.00	47	26	38	44	9	18	29.37	30.08	03	CLR	NC					46	27	38	47	14	29	29.38	30.10	
06	CLR	NC			10.00	46	31	40	56	10	16	29.39	30.10	06	CLR	NC					45	28	38	52	10	29	29.45	30.17	
09	CLR	NC			10.00	57	31	45	37	18	17	29.35	30.06	09	CLR	NC					53	33	44	47	9	33	29.54	30.26	
12	FEW	NC			10.00	66	31	49	27	17	23	29.31	30.01	12	CLR	NC					59	30	46	33	10	35	29.57	30.28	
15	OVC	065			10.00	66	30	49	26	10	22	29.26	29.96	15	CLR	NC					62	28	47	28	8	34	29.57	30.28	
18	CLR	NC			10.00	61	30	47	31	18	32	29.30	30.00	18	BKN	110					60	30	46	32	5	36	29.57	30.28	
21	CLR	NC			10.00	50	40	45	68	12	36	29.43	30.14	21	BKN	120					54	35	45	49	3	11	29.60	30.31	
24	CLR	NC			10.00	42	37	40	82	6	35	29.49	30.19	24	CLR	NC					50	34	43	54	6	14	29.60	30.31	
					SUNRISE: 0452	MAY 05			SUNSET: 1911										SUNRISE: 0444	MAY 11			SUNSET: 1918						
03	CLR	NC			10.00	37	36	37	96	3	03	29.51	30.22	03	OVC	080					50	34	43	54	3	12	29.57	30.28	
06	CLR	NC			10.00	36	35	36	97	0	00	29.53	30.24	06	OVC	080					52	33	44	49	6	23	29.52	30.23	
09	CLR	NC			10.00	50	37	44	61	6	11	29.48	30.20	09	OVC	050			-RA		53	35	45	51	13	09	29.56	30.27	
12	SCT	NC			10.00	63	42	52	47	8	22	29.38	30.10	12	OVC	027			-RA		46	41	44	83	12	13	29.49	30.22	
15	CLR	NC			10.00	72	49	59	44	14	19	29.24	29.94	15	OVC	023					47	40	44	77	14	13	29.40	30.12	
18	CLR	NC			10.00	69	52	59	55	13	17	29.11	29.81	18	OVC	018			BR		44	41	43	89	15	13	29.35	30.07	
21	BKN	095			10.00	65	52	58	63	9	18	29.08	29.77	21	OVC	013			VCTS		44	42	43	93	3	VR	29.32	30.03	
24	OVC	065			10.00	59	57	58	93	9	33	29.18	29.87	24	OVC	013					44	42	43	93	8	08	29.29	30.01	
					SUNRISE: 0450	MAY 06			SUNSET: 1913										SUNRISE: 0443	MAY 12			SUNSET: 1920						
03	CLR	NC			10.00	58	56	57	93	8	13	29.09	29.78	03	OVC	010					45	42	44	90	8	05	29.27	29.98	
06	BKN	065			10.00	58	55	56	90	3	13	29.06	29.75	06	OVC	008			BR		44	42	43	93	10	36	29.28	29.99	
09	CLR	NC			10.00	65	57	60	76	9	20	29.05	29.73	09	OVC	014					45	41	43	86	7	04	29.33	30.06	
12	CLR	NC			10.00	74	59	65	60	5	08	29.02	29.70	12	OVC	016					47	42	45	83	14	36	29.37	30.09	
15	SCT	NC			10.00	79	60	67	52	10	26	29.01	29.69	15	OVC	024					48	40	44	74	14	36	29.38	30.10	
18	FEW	NC			10.00	68	58	62	70	23	33	29.06	29.74	18	OVC	027					48	40	44	74	13	35	29.39	30.11	
21	BKN	018			10.00	59	53	56	81	14	35	29.18	29.87	21	OVC	042					47	41	44	80	8	35	29.42	30.15	
24	OVC	014			10.00	52	46	49	80	13	36	29.24	29.93	24	OVC	034					46	39	43	77	7	36	29.42	30.14	

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

MAY 2002

LSE

WBAN # 14920

HOUR (LST)				SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)				SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL	SKY COVER		CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL		
SUNRISE: 0442				MAY 13				SUNSET: 1921				SUNRISE: 0436				MAY 19				SUNSET: 1927											
03	CLR	NC			10.00	42	37	40	82	9	35	29.40	30.13	03	OVC	100			10.00	38	32	36	79	5	15	29.50	30.22				
06	CLR	NC			10.00	42	37	40	82	6	36	29.42	30.14	06	FEW	NC			10.00	41	33	38	74	3	16	29.53	30.25				
09	CLR	NC			10.00	50	37	44	61	7	33	29.39	30.11	09	CLR	NC			10.00	53	26	42	35	10	35	29.55	30.27				
12	CLR	NC			10.00	56	38	47	51	9	33	29.34	30.06	12	SCT	NC			10.00	57	22	43	26	9	35	29.55	30.27				
15	BKN	150			10.00	57	41	49	55	13	31	29.31	30.01	15	BKN	085			10.00	57	22	43	26	12	03	29.55	30.27				
18	FEW	NC			10.00	53	43	48	69	6	34	29.32	30.05	18	OVC	085			10.00	54	25	42	33	10	35	29.57	30.29				
21	CLR	NC			10.00	47	43	45	86	5	36	29.34	30.06	21	SCT	NC			10.00	47	23	38	39	12	03	29.64	30.35				
24	CLR	NC			10.00	43	40	42	89	7	35	29.34	30.06	24	BKN	070			10.00	42	23	35	47	9	04	29.67	30.39				
SUNRISE: 0441				MAY 14				SUNSET: 1922				SUNRISE: 0435				MAY 20				SUNSET: 1928											
03	BKN	050			10.00	44	41	43	89	7	34	29.36	30.08	03	CLR	NC			10.00	37	22	32	54	8	03	29.69	30.41				
06					10.00	47	42	45	83	8	35	29.39	30.11	06	CLR	NC			10.00	36	23	31	59	7	35	29.74	30.46				
09	FEW	NC			10.00	53	41	47	64	9	36	29.41	30.12	09	SCT	NC			10.00	44	29	38	55	3	VR	29.76	30.48				
12	CLR	NC			10.00	56	40	48	55	8	35	29.41	30.12	12	CLR	NC			10.00	53	27	42	37	6	VR	29.72	30.44				
15	CLR	NC			10.00	62	39	51	43	9	36	29.36	30.07	15	SCT	NC			10.00	57	25	43	29	8	33	29.67	30.40				
18	CLR	NC			10.00	63	35	50	35	0	00	29.33	30.04	18	CLR	NC			10.00	57	26	44	30	7	35	29.64	30.37				
21	CLR	NC			10.00	50	41	46	71	5	13	29.32	30.03	21	CLR	NC			10.00	48	29	40	48	5	19	29.65	30.38				
24	CLR	NC			10.00	45	39	42	80	6	14	29.32	30.03	24	CLR	NC			10.00	40	33	37	77	7	16	29.65	30.37				
SUNRISE: 0440				MAY 15				SUNSET: 1923				SUNRISE: 0434				MAY 21				SUNSET: 1929											
03	CLR	NC			10.00	46	41	44	83	6	13	29.28	29.98	03	CLR	NC			10.00	40	35	38	83	5	12	29.67	30.39				
06	CLR	NC			10.00	52	44	48	75	6	17	29.25	29.94	06	CLR	NC			10.00	43	34	39	71	6	17	29.69	30.41				
09	CLR	NC			10.00	62	44	53	52	18	18	29.17	29.86	09	CLR	NC			10.00	56	33	46	42	7	23	29.66	30.37				
12	CLR	NC			10.00	72	49	59	44	17	20	29.09	29.78	12	CLR	NC			10.00	62	31	48	31	8	17	29.61	30.32				
15	FEW	NC			10.00	76	51	61	42	20	20	29.02	29.71	15	CLR	NC			10.00	66	31	50	27	14	19	29.53	30.24				
18	FEW	NC			10.00	69	53	60	57	13	20	29.02	29.71	18	CLR	NC			10.00	63	30	48	29	14	19	29.47	30.18				
21	CLR	NC			10.00	64	55	59	73	10	20	29.05	29.73	21	CLR	NC			10.00	56	32	45	40	12	17	29.46	30.17				
24	CLR	NC			10.00	63	56	59	78	14	21	29.06	29.74	24	CLR	NC			10.00	52	33	44	49	10	17	29.45	30.16				
SUNRISE: 0439				MAY 16				SUNSET: 1924				SUNRISE: 0433				MAY 22				SUNSET: 1930											
03	CLR	NC			10.00	59	55	57	87	5	22	29.08	29.76	03	CLR	NC			10.00	50	33	43	52	10	19	29.44	30.14				
06	FEW	NC			10.00	56	48	52	75	16	34	29.13	29.82	06	CLR	NC			10.00	49	36	43	61	10	15	29.42	30.13				
09	FEW	NC			10.00	58	49	53	72	9	01	29.19	29.88	09	OVC	065			10.00	60	40	50	48	18	18	29.36	30.06				
12	FEW	NC			10.00	64	44	54	48	14	02	29.20	29.88	12	CLR	NC			10.00	71	46	57	41	21	19	29.27	29.96				
15	CLR	NC			10.00	65	40	52	40	13	34	29.25	29.94	15	CLR	NC			10.00	75	48	60	39	28	17	29.15	29.84				
18	CLR	NC			10.00	59	33	47	38	14	36	29.31	30.00	18	FEW	NC			10.00	72	49	59	44	21	19	29.12	29.81				
21	CLR	NC			10.00	54	34	45	47	8	03	29.36	30.07	21	OVC	060			10.00	69	48	57	47	18	19	29.14	29.82				
24	CLR	NC			10.00	46	27	38	47	7	03	29.43	30.14	24	FEW	NC			10.00	66	46	55	49	18	19	29.10	29.78				
SUNRISE: 0438				MAY 17				SUNSET: 1925				SUNRISE: 0432				MAY 23				SUNSET: 1931											
03	CLR	NC			10.00	41	27	35	57	8	04	29.48	30.19	03	CLR	NC			10.00	63	48	55	58	15	19	29.06	29.74				
06	CLR	NC			10.00	40	26	35	58	5	04	29.52	30.24	06	SCT	NC			10.00	63	51	56	65	8	18	29.07	29.75				
09	CLR	NC			10.00	47	27	39	46	8	04	29.53	30.24	09	OVC	020			10.00	64	55	59	73	13	21	29.05	29.73				
12	BKN	055			10.00	50	27	40	41	9	35	29.50	30.22	12	SCT	NC			10.00	75	57	64	54	16	26	29.04	29.72				
15	BKN	065			10.00	56	27	43	33	13	01	29.45	30.16	15	FEW	NC			10.00	79	39	58	24	14	28	29.04	29.72				
18	FEW	NC			10.00	55	24	42	30	12	36	29.43	30.15	18	CLR	NC			10.00	70	42	55	37	16	30	29.12	29.80				
21	OVC	090			10.00	46	28	39	50	5	36	29.45	30.18	21	CLR	NC			10.00	58	43	50	58	18	34	29.20	29.89				
24	BKN	085			10.00	45	23	36	42	0	00	29.48	30.20	24	OVC	040			10.00	54	42	48	64	12	34	29.28	29.97				
SUNRISE: 0437				MAY 18				SUNSET: 1926				SUNRISE: 0431				MAY 24				SUNSET: 1932											
03	BKN	085			10.00	37	27	33	67	7	36	29.50	30.22	03	OVC	040			10.00	51	36	44	56	13	01	29.32	30.01				
06	CLR	NC			10.00	39	29	35	67	0	00	29.54	30.27	06	OVC	038			10.00	48	33	41	56	12	02	29.40	30.10				
09	OVC	090			10.00	48	27	39	44	3	VR	29.55	30.27	09	FEW	NC			10.00	51	31	42	46	12	04	29.42	30.14				
12	BKN	075			10.00	53	27	42	37	7	30	29.53	30.25	12	CLR	NC			10.00	58	33	46	39	9	03	29.44	30.15				
15	CLR	NC			10.00	55	26	43	33	13	34	29.49	30.22	15	CLR	NC			10.00	62	34	49	35	5	VR	29.40	30.11				
18	OVC	085			10.00	56	22	42	27	13	35	29.47	30.19	18	CLR	NC			10.00	61	32	48	34	6	10	29.36	30.07				
21	SCT	NC			10.00	48	26	39	42																						

OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

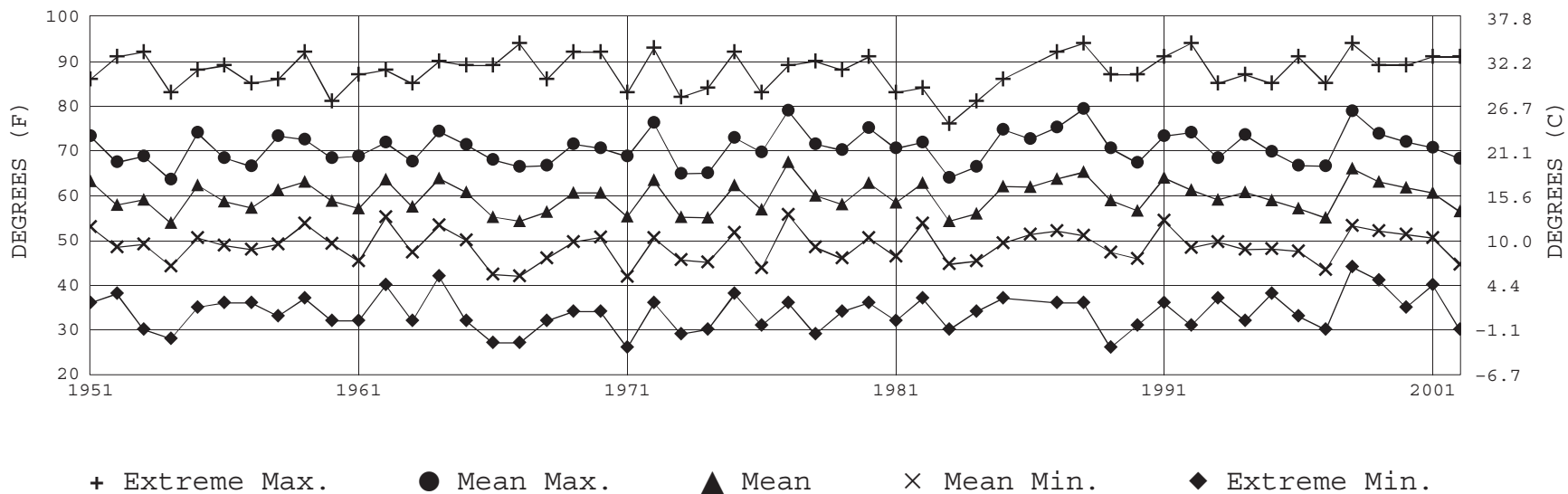
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WBAN # 14920

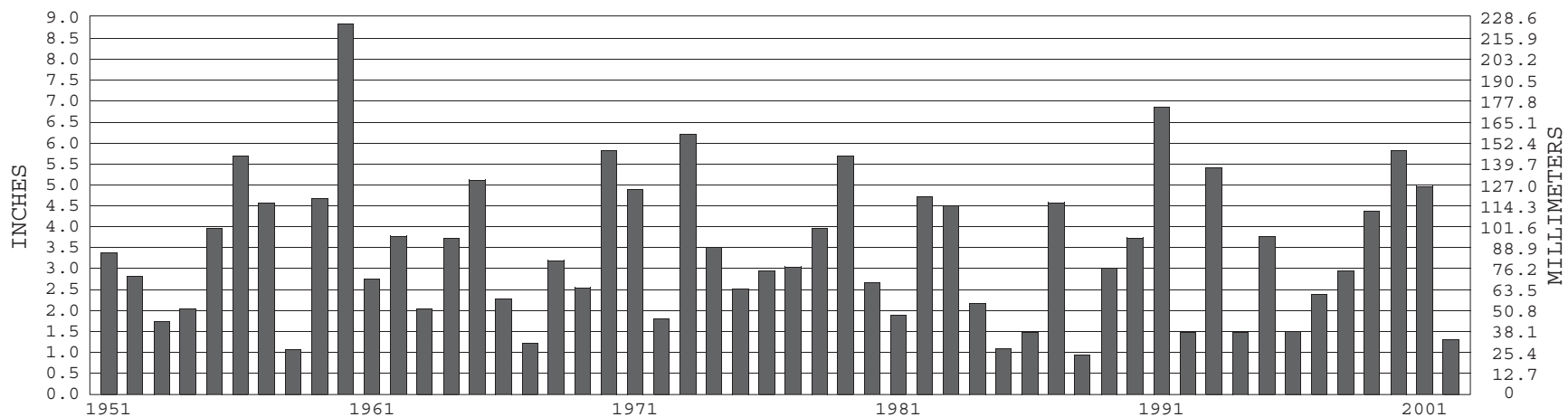
HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
				DRY BULB	DEW POINT					WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL	DRY BULB	DEW POINT					WET BULB	SPEED (MPH)					DIRECTION TENS OF DEG	STATION	SEA LEVEL					
SUNRISE: 0430 MAY 25 SUNSET: 1933									SUNRISE: 0426 MAY 31 SUNSET: 1939																										
03	OVC	055						10.00	-RA	47	35	42	63	5	12	29.34	30.05	03	CLR	NC							10.00	71	45	57	39	9	32	28.94	29.60
06	OVC	050						10.00	-RA	42	36	39	79	8	07	29.32	30.02	06	CLR	NC							10.00	65	55	59	70	3	35	29.04	29.71
09	BKN	039						10.00	-RA	45	41	43	86	6	01	29.31	30.02	09	CLR	NC							10.00	75	51	61	43	9	32	29.09	29.76
12	OVC	024						10.00		50	40	45	68	0	00	29.30	30.01	12	CLR	NC							10.00	81	46	61	29	9	33	29.10	29.77
15	CLR	NC						10.00		59	42	50	54	7	VR	29.28	29.98	15	CLR	NC							10.00	85	37	59	18	12	32	29.06	29.73
18	CLR	NC						10.00		61	44	52	54	9	21	29.25	29.96	18	CLR	NC							10.00	83	42	60	24	3	29	29.04	29.72
21	CLR	NC						10.00		56	47	51	72	7	14	29.26	29.96	21	CLR	NC							10.00	69	51	59	53	0	00	29.08	29.75
24	CLR	NC						10.00		55	49	52	80	13	18	29.25	29.96	24	CLR	NC							10.00	65	52	58	63	5	12	29.08	29.75
SUNRISE: 0430 MAY 26 SUNSET: 1934									3-HOURLY OBSERVATION NOTES																										
SUNRISE: 0429 MAY 27 SUNSET: 1935									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.																										
SUNRISE: 0428 MAY 28 SUNSET: 1936									SUMMARY BY HOUR																										
03	OVC	110						7.00		57	56	56	96	5	11	29.26	29.94	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)						
06	SCT	NC					8.00		58	57	57	97	5	13	29.28	29.96	STATION								SEA LEVEL	SPEED			DIRECTION						
09	CLR	NC					10.00		67	56	61	68	10	19	29.29	29.98																			
12	CLR	NC					10.00		76	55	63	48	8	28	29.28	29.96																			
15	BKN	050					10.00		79	57	65	47	8	33	29.26	29.94																			
18	CLR	NC						10.00		75	59	65	58	0	00	29.24	29.92																		
21	CLR	NC						10.00		68	57	61	68	5	12	29.27	29.95																		
24	CLR	NC						10.00		61	55	58	81	0	00	29.30	29.97																		
SUNRISE: 0428 MAY 28 SUNSET: 1936									SUMMARY BY HOUR																										
03	CLR	NC						10.00		58	54	56	87	5	12	29.28	29.96	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)						
06	CLR	NC					10.00		59	55	57	87	5	13	29.31	29.99	STATION								SEA LEVEL	SPEED			DIRECTION						
09	CLR	NC					10.00		72	59	64	64	3	VR	29.28	29.96																			
12	BKN	060					10.00		81	56	66	42	7	VR	29.23	29.91																			
15	BKN	060					10.00		84	57	67	40	12	19	29.17	29.85																			
18	FEW	NC						10.00		76	60	66	58	5	19	29.15	29.83																		
21	OVC	110						7.00		65	64	64	97	3	16	29.14	29.82																		
24	SCT	NC						9.00		62	61	61	96	5	13	29.15	29.82																		
SUNRISE: 0428 MAY 29 SUNSET: 1937									SUMMARY BY HOUR																										
03	BKN	003						2.50	BR	60	60	60	100	3	17	29.13	29.80	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)						
06	OVC	005					3.00	BR	62	61	61	96	3	VR	29.15	29.83	STATION								SEA LEVEL	SPEED			DIRECTION						
09	OVC	009					10.00		68	63	65	84	3	36	29.15	29.83																			
12	CLR	NC					10.00		76	63	68	64	6	20	29.15	29.83																			
15	CLR	NC					10.00		82	62	69	51	8	21	29.11	29.78																			
18	CLR	NC						10.00		79	64	69	60	10	19	29.09	29.76																		
21	CLR	NC						10.00		72	65	67	79	3	21	29.10	29.78																		
24	CLR	NC						10.00		69	65	66	87	7	17	29.08	29.75																		
SUNRISE: 0427 MAY 30 SUNSET: 1938									SUMMARY BY HOUR																										
03	CLR	NC						10.00		67	64	65	91	6	19	29.08	29.75	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)						
06	CLR	NC					10.00		67	61	63	81	12	19	29.05	29.73	STATION								SEA LEVEL	SPEED			DIRECTION						
09	CLR	NC					10.00		74	64	68	71	8	19	29.06	29.73																			
12	CLR	NC					10.00		85	64	71	50	8	24	29.01	29.68																			
15	BKN	070					10.00		90	61	71	38	13	23	28.94	29.60																			
18	CLR	NC						10.00		88	62	71	42	9	29	28.88	29.55																		
21	CLR	NC						10.00		75	58	65	55	8	22	28.90	29.57																		
24	CLR	NC						10.00		78	45	60	31	14	31	28.92	29.58																		

LA CROSSE, WI MAY TEMPERATURES



Long-Term (1951-2002) Mean: 59.7 1961-1990 Normal: 60.6

LA CROSSE, WI MAY PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 3.44

1961-1990 Normal: 3.38



MAY 2002

LA CROSSE, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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