



## MUNICIPAL AIRPORT (LSE)

Lat: 43°45' N    Long: 91°15' W    Elev (Ground): 655 Feet

Time Zone: CENTRAL WBAN: 14920 ISSN #:0198-571X

SEPTEMBER 2002  
LA CROSSE, WI

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

LA CROSSE, WI

SEPTEMBER 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										0.35	T	0.12	01	0.00 0.06		0.47
02		0.75	0.04										02													02			0.79
03													03													03			0.00
04													04													04			0.00
05													05													05			0.00
06								0.08	0.06				06													06			0.14
07													07													07			0.00
08													08													08			0.00
09													09			T										09			T
10									T	0.18	0.03	T	10													10			0.21
11													11													11			0.00
12													12													12			0.00
13													13													13			T
14	T	T							0.01	T		T	14	0.02	0.02	T						0.01				14			0.14
15													15							T	T					15			T
16													16													16			0.00
17													17													17			0.00
18							T	0.02	0.01	T		T	18		T									0.03	0.14	18			0.17
19	0.14	0.06	T										19	T												19			0.27
20		0.12	0.12	0.02	0.03	0.02	0.09	0.33	0.09	0.01	T	T	20				T	T				0.01				20			0.84
21													21	T		T	T									21			T
22													22													22			0.00
23									0.01	0.03			23													23			0.04
24													24								T		T	0.02	0.06	24			0.08
25	0.02							T					25						T	T				T		25			0.02
26													26	T	0.01				T	T	T		0.02	0.01	T	26			0.04
27		T	0.05	0.03			T	T	T	T	T	T	27							T						27			0.08
28													28		T					T		0.04	0.01	0.06	0.15	28			0.26
29	0.01	0.01	T										29													29			0.02
30	T	0.05		T									30						0.05	0.01						30			0.11

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.30	.41	.45	.46	.49	.76	.78	.78	.79	.79	.79	.87
Ending Date	02	02	02	02	02	02	02	02	02	02	02	02
Ending Time (Hour/Min)	0120	0121	0125	0129	0144	0156	0204	0204	0232	0232	0232	0156

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  
SEPTEMBER 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							1.75	8.00	
02							1.50	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							7.00	10.00	
07							9.00	10.00	
08							3.00	10.00	
09							7.00	10.00	
10							2.00	10.00	
11							<.25	10.00	
12							.00	10.00	
13							10.00	10.00	
14							6.00	10.00	
15							10.00	10.00	
16							.25	10.00	
17							10.00	10.00	
18							4.00	10.00	
19							1.75	10.00	
20							1.75	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							.25	10.00	
25							10.00	10.00	
26							4.00	10.00	
27							6.00	10.00	
28							1.75	10.00	
29							1.50	10.00	
30							5.00	10.00	
<b>MONTHLY AVGS</b>							5.81	9.93	
<p align="center"><b>SUNSHINE (MINUTES)</b></p> <p>Total:                  Possible:</p> <p align="center">Percent Possible:</p>									
<p align="center"><b>NUMBER OF DAYS WITH:</b></p> <p align="center"><b>SKY CONDITION</b></p> <p align="center">CLR   PTLY CLDY   CLOUDY   MISSING</p> <p align="center">30</p> <p align="center"><b>MINIMUM VISIBILITY (MILES)</b></p> <p align="center">&lt;=0.25       &lt;=3.0       &gt;=7.0</p> <p align="center">3                      11                  14</p>									

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

SEPTEMBER 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: 0528 SEP 01 SUNSET: 1843												SUNRISE: 0535 SEP 07 SUNSET: 1832																	
03	CLR	NC			6.00	BR	67	64	65	91	5	18	29.42	30.10	03	CLR	NC			10.00	71	65	67	81	7	18	29.32	29.99	
06	CLR	NC			5.00	BR	67	64	65	91	6	17	29.41	30.09	06	CLR	NC			10.00	70	64	66	82	9	18	29.35	30.03	
09	BKN	075			6.00	HZ	74	66	69	76	7	17	29.38	30.06	09	CLR	NC			10.00	76	64	68	67	9	19	29.38	30.06	
12	CLR	NC			8.00		84	68	73	59	14	18	29.32	30.00	12	CLR	NC			10.00	85	68	73	57	12	17	29.37	30.04	
15	CLR	NC			8.00		86	69	74	57	17	19	29.25	29.91	15	CLR	NC			10.00	90	69	76	50	13	17	29.33	30.00	
18	CLR	NC			7.00		82	69	73	65	15	18	29.22	29.89	18	CLR	NC			10.00	85	65	72	51	9	18	29.34	30.01	
21	SCT	NC			7.00	VCTS	78	69	72	74	8	17	29.19	29.86	21	CLR	NC			10.00	77	66	70	69	6	17	29.38	30.06	
24	FEW	NC			5.00	BR	73	70	71	90	8	19	29.16	29.82	24	CLR	NC			9.00	72	67	69	84	10	19	29.40	30.07	
SUNRISE: 0529 SEP 02 SUNSET: 1841												SUNRISE: 0536 SEP 08 SUNSET: 1830																	
03	OVC	070			10.00		64	63	63	96	5	16	29.16	29.83	03	CLR	NC			8.00	70	66	67	87	7	16	29.40	30.08	
06	CLR	NC			10.00		66	64	65	93	8	17	29.09	29.76	06	CLR	NC		BR	3.00	64	63	63	96	5	15	29.43	30.11	
09	CLR	NC			10.00		75	68	70	79	20	18	29.05	29.72	09	CLR	NC			10.00	77	64	69	64	12	18	29.43	30.11	
12	CLR	NC			10.00		84	71	75	65	20	20	28.99	29.65	12	CLR	NC			10.00	86	70	75	59	9	18	29.40	30.07	
15	FEW	NC			10.00		87	72	76	61	21	22	28.95	29.62	15	CLR	NC			10.00	91	72	78	54	12	17	29.36	30.03	
18	BKN	040			10.00		81	69	73	67	18	30	28.98	29.65	18	CLR	NC			10.00	86	71	76	61	8	19	29.36	30.04	
21	CLR	NC			10.00		69	59	63	70	7	35	29.15	29.82	21	CLR	NC			10.00	77	73	74	88	7	20	29.39	30.07	
24	CLR	NC			10.00		62	56	59	81	5	21	29.20	29.87	24	CLR	NC			10.00	77	72	74	85	7	19	29.40	30.07	
SUNRISE: 0531 SEP 03 SUNSET: 1839												SUNRISE: 0537 SEP 09 SUNSET: 1828																	
03	CLR	NC			10.00		61	57	59	87	0	00	29.23	29.90	03	CLR	NC			7.00	73	72	72	96	9	16	29.40	30.07	
06	CLR	NC			10.00		58	55	56	90	6	18	29.27	29.95	06	BKN	080			8.00	73	71	72	94	6	15	29.40	30.08	
09	CLR	NC			10.00		69	56	61	63	5	22	29.32	30.01	09	CLR	NC			10.00	80	70	73	71	7	20	29.39	30.07	
12	CLR	NC			10.00		79	51	63	38	9	31	29.33	30.01	12	FEW	NC			10.00	91	72	78	54	7	19	29.36	30.03	
15	CLR	NC			10.00		81	52	64	37	12	31	29.32	30.01	15	CLR	NC			10.00	88	66	73	48	12	26	29.32	29.99	
18	CLR	NC			10.00		77	55	64	47	6	28	29.33	30.01	18	CLR	NC			10.00	85	72	76	65	6	22	29.31	29.98	
21	CLR	NC			10.00		64	58	60	81	3	15	29.37	30.06	21	CLR	NC			10.00	78	72	74	82	6	18	29.30	29.97	
24	CLR	NC			10.00		60	59	59	96	5	17	29.40	30.09	24	SCT	NC			10.00	75	72	73	90	7	18	29.28	29.94	
SUNRISE: 0532 SEP 04 SUNSET: 1837												SUNRISE: 0538 SEP 10 SUNSET: 1826																	
03	CLR	NC			10.00		59	58	58	96	7	19	29.43	30.11	03	CLR	NC			8.00	72	70	71	94	5	17	29.24	29.91	
06	CLR	NC			10.00		55	55	55	100	5	15	29.48	30.17	06	SCT	NC			10.00	72	66	68	82	3	30	29.26	29.92	
09	CLR	NC			10.00		68	60	63	76	5	18	29.51	30.20	09	OVC	021		RA BR	6.00	65	64	64	97	14	35	29.30	29.98	
12	CLR	NC			10.00		81	57	66	44	0	00	29.50	30.19	12	OVC	021			10.00	66	60	62	81	14	34	29.34	30.03	
15	CLR	NC			10.00		86	54	66	33	7	19	29.46	30.14	15	BKN	039			10.00	72	57	63	60	12	35	29.33	30.02	
18	CLR	NC			10.00		81	57	66	44	7	19	29.45	30.14	18	CLR	NC			10.00	69	53	60	57	8	01	29.37	30.06	
21	CLR	NC			10.00		66	63	64	90	5	14	29.46	30.15	21	CLR	NC			10.00	61	56	58	84	0	00	29.40	30.10	
24	CLR	NC			10.00		63	61	62	93	0	00	29.45	30.13	24	CLR	NC			10.00	56	54	55	93	0	00	29.41	30.11	
SUNRISE: 0533 SEP 05 SUNSET: 1835												SUNRISE: 0540 SEP 11 SUNSET: 1825																	
03	CLR	NC			10.00		61	60	60	97	5	14	29.43	30.11	03	BKN	006			6.00	54	54	54	100	0	00	29.42	30.12	
06	CLR	NC			10.00		60	58	59	93	3	19	29.44	30.12	06	OVC	005			9.00	53	53	53	100	5	34	29.47	30.17	
09	CLR	NC			10.00		74	61	66	64	7	15	29.49	30.17	09	SCT	NC			10.00	58	56	57	93	0	00	29.48	30.18	
12	CLR	NC			10.00		82	62	69	51	12	20	29.44	30.12	12	CLR	NC			10.00	74	49	60	41	5	VR	29.45	30.14	
15	CLR	NC			10.00		83	62	69	49	15	15	29.38	30.06	15	CLR	NC			10.00	77	47	60	35	5	01	29.40	30.09	
18	CLR	NC			10.00		79	62	68	56	10	15	29.35	30.04	18	CLR	NC			10.00	72	50	60	46	0	00	29.37	30.07	
21	CLR	NC			10.00		70	62	65	76	0	00	29.38	30.06	21	CLR	NC			10.00	59	54	56	83	6	13	29.39	30.09	
24	CLR	NC			10.00		65	61	63	87	8	12	29.36	30.04	24	CLR	NC			10.00	55	52	53	90	6	13	29.38	30.08	
SUNRISE: 0534 SEP 06 SUNSET: 1834												SUNRISE: 0541 SEP 12 SUNSET: 1823																	
03	CLR	NC			10.00		65	59	61	81	8	17	29.32	30.00	03	CLR	NC			10.00	53	51	52	93	6	14	29.38	30.07	
06	FEW	NC			10.00		64	61	62	90	0	00	29.39	30.07	06	OVC	003		BR	0.75	54	53	53	97	7	16	29.40	30.10	
09	CLR	NC			10.00		66	63	64	90	8	32	29.32	30.01	09														
12	CLR	NC			10.00		76	63	68	64	9	19	29.30	29.97	12														
15	CLR	NC			10.00		85	66	72	53	15	18	29.26	29.93	15														
18	CLR	NC			10.00		81	68	72	65	13	20	29.25	29.92	18														
21	CLR	NC			10.00		75	68	70	79	6	17	29.29	29.96	21	CLR	NC			10.00	65	58	61	78	6	15	29.31	30.00	
24	CLR	NC			10.00		73	67	69	81	9	17	29.30	29.97	24														

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

SEPTEMBER 2002

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)			
			OBSERVATION TIME (LST)	EFF CLD AMT Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				OBSERVATION TIME (LST)	EFF CLD AMT Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
			SUNRISE: 0542 SEP 13 SUNSET: 1821														SUNRISE: 0549 SEP 19 SUNSET: 1810														
03														03	FEW	NC				5.00	BR		69	68	68	96	10	17	28.80	29.47	
06	CLR	NC			10.00		60	55	57	84	7	17	29.32	30.00	06	FEW	NC			10.00			68	64	66	87	10	20	28.82	29.50	
09														09	OVC	014				10.00			69	66	67	90	7	16	28.85	29.53	
12														12	OVC	016				3.00	RA BR		69	67	68	93	7	28	28.85	29.52	
15														15	FEW	NC				10.00			77	65	69	66	10	24	28.83	29.50	
18	SCT	NC			10.00		72	54	61	53	9	19	29.21	29.89	18	CLR	NC			10.00			69	61	64	76	9	30	28.88	29.56	
21														21	CLR	NC				10.00			63	61	62	93	5	17	28.93	29.61	
24														24	OVC	070				10.00			63	61	62	93	5	12	28.89	29.57	
			SUNRISE: 0543 SEP 14 SUNSET: 1819														SUNRISE: 0550 SEP 20 SUNSET: 1808														
03					10.00							5	11				03	BKN	060			8.00		62	61	61	96	5	14	28.87	29.55
06														06	OVC	008				6.00	-RA BR		63	61	62	93	3	02	28.83	29.51	
09	SCT	NC			7.00	-RA	64	62	63	93	5	18	29.15	29.83	09	OVC	012			2.00	RA BR		63	62	62	97	5	28	28.82	29.51	
12	OVC	044			7.00		65	62	63	90	3	22	29.16	29.84	12	OVC	023			10.00			65	60	62	84	8	28	28.82	29.50	
15	OVC	016			10.00		65	61	63	87	12	33	29.18	29.87	15	OVC	017			10.00			64	58	60	81	13	29	28.81	29.50	
18	BKN	065			10.00		66	61	63	84	3	01	29.24	29.93	18	SCT	NC			10.00			63	58	60	84	6	18	28.87	29.56	
21	OVC	065			10.00		63	55	58	76	8	04	29.32	30.02	21	CLR	NC			10.00			61	57	59	87	12	18	28.92	29.61	
24	CLR	NC			10.00		56	48	52	75	5	02	29.40	30.10	24	CLR	NC			10.00			60	51	55	72	8	29	28.97	29.66	
			SUNRISE: 0544 SEP 15 SUNSET: 1817														SUNRISE: 0551 SEP 21 SUNSET: 1806														
03	CLR	NC			10.00		51	46	49	83	6	36	29.44	30.14	03	CLR	NC			10.00			61	48	54	63	18	33	29.07	29.75	
06	CLR	NC			10.00		47	44	46	90	5	34	29.50	30.20	06	CLR	NC			10.00			53	48	50	83	0	00	29.16	29.86	
09	CLR	NC			10.00		59	48	53	67	3	VR	29.53	30.23	09	CLR	NC			10.00			62	45	53	54	3	VR	29.24	29.92	
12	CLR	NC			10.00		66	46	55	49	8	01	29.50	30.20	12	OVC	075			10.00			60	39	50	46	12	30	29.30	29.99	
15	CLR	NC			10.00		69	45	56	42	6	32	29.44	30.14	15	OVC	075			10.00			55	45	50	69	8	19	29.29	29.98	
18	CLR	NC			10.00		65	45	54	49	0	00	29.41	30.12	18	FEW	NC			10.00			55	46	50	72	5	14	29.31	30.01	
21	CLR	NC			10.00		53	49	51	86	5	12	29.42	30.12	21	CLR	NC			10.00			51	45	48	80	7	13	29.35	30.06	
24	CLR	NC			10.00		49	47	48	93	5	14	29.41	30.11	24	CLR	NC			10.00			50	46	48	86	6	20	29.37	30.08	
			SUNRISE: 0545 SEP 16 SUNSET: 1815														SUNRISE: 0552 SEP 22 SUNSET: 1804														
03	VV	001			0.25	FG	50	49	49	96	7	13	29.39	30.09	03	CLR	NC			10.00			44	43	44	96	0	00	29.37	30.08	
06	OVC	002			0.50	FG	49	49	49	100	5	13	29.40	30.11	06	CLR	NC			10.00			45	40	43	83	0	00	29.39	30.10	
09	CLR	NC			10.00		60	52	56	75	7	18	29.39	30.10	09	CLR	NC			10.00			55	41	48	59	8	30	29.40	30.11	
12	CLR	NC			10.00		74	53	62	48	14	19	29.35	30.05	12	SCT	NC			10.00			60	38	49	44	17	29	29.40	30.11	
15	CLR	NC			10.00		80	52	63	38	12	20	29.31	29.99	15	BKN	060			10.00			61	33	48	35	17	32	29.38	30.10	
18	CLR	NC			10.00		74	55	63	52	6	17	29.27	29.96	18	CLR	NC			10.00			55	31	44	40	10	32	29.40	30.11	
21	CLR	NC			10.00		65	58	61	78	8	19	29.29	29.98	21	CLR	NC			10.00			45	31	39	58	6	16	29.42	30.14	
24	CLR	NC			10.00		63	56	59	78	9	18	29.29	29.97	24	CLR	NC			10.00			43	31	38	63	5	14	29.43	30.14	
			SUNRISE: 0546 SEP 17 SUNSET: 1814														SUNRISE: 0553 SEP 23 SUNSET: 1803														
03	CLR	NC			10.00		56	53	54	90	6	14	29.29	29.97	03	CLR	NC			10.00			42	31	37	65	6	15	29.42	30.13	
06	CLR	NC			10.00		54	52	53	93	6	13	29.32	30.00	06	FEW	NC			10.00			42	31	37	65	7	14	29.40	30.12	
09	CLR	NC			10.00		67	55	60	66	9	19	29.32	30.00	09	BKN	095			10.00	-RA		50	28	41	43	12	17	29.31	30.03	
12	CLR	NC			10.00		78	59	66	52	13	15	29.27	29.94	12	FEW	NC			10.00			66	43	54	43	13	24	29.26	29.96	
15	CLR	NC			10.00		78	59	66	52	10	19	29.19	29.87	15	OVC	047			10.00			56	39	48	53	17	31	29.36	30.08	
18	CLR	NC			10.00		72	57	63	60	8	15	29.16	29.84	18	OVC	035			10.00			50	39	45	66	18	34	29.46	30.18	
21	CLR	NC			10.00		66	57	61	73	7	16	29.15	29.83	21	CLR	NC			10.00			42	37	40	82	3	36	29.52	30.25	
24	BKN	060			10.00		68	57	61	68	8	17	29.13	29.80	24	CLR	NC			10.00			40	39	40	97	6	17	29.55	30.26	
			SUNRISE: 0548 SEP 18 SUNSET: 1812														SUNRISE: 0554 SEP 24 SUNSET: 1759														
03	FEW	NC			10.00		65	58	61	78	8	13	29.08	29.75	03	CLR	NC			10.00			39	37	38	93	7	16	29.58	30.31	
06	CLR	NC			10.00		64	57	60	78	8	12	29.04	29.72	06	VV	001			0.75	BR		39	38	39	96	7	17	29.62	30.34	
09	CLR	NC			8.00		71	62	65	73	10	16	29.03	29.71	09	CLR	NC			10.00			46	40	43	79	5	18	29.63	30.36	
12	BKN	026			10.00		75	63	67	66	16	17	28.95	29.62	12	CLR	NC			10.00			55	39	47	55	5	VR	29.61	30.33	
15	OVC	021			8.00		74	65	68	74	12	15	28.94	29.62	15	CLR	NC			10.00			62	37	50	40	8	16	29.54	30.25	
18	BKN	038			7.00		72	66	68	82	6	13	28.92	29.59	18	CLR	NC			10.00			57	40	49	53	8	14	29.49	30.21	
21	SCT	NC			7.00		71	66	68	84	9	13	28.87	29.54	21	BKN	090			10.00			57	40	49	53	9	18	29.51	30.22	
24	OVC	042			6.00	-RA BR	69	66	67	90	10	17	28.84	29.52	24	OVC	090			10.00	-RA		51	48	50	89	8	12	29.53	30.24	

## OBSERVATIONS AT 3-HOURLY INTERVALS

LA CROSSE, WI

SEPTEMBER 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 OFFT	OBSERVATION TIME (LST)	EFF CLD AMT <i>Okta</i> s		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OFFT	OBSERVATION TIME (LST)		EFF CLD AMT <i>Okta</i> s	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0556	SEP 25			SUNSET: 1757																				
03	OVC	090			10.00																								
06	OVC	090			10.00																								
09	BKN	110			10.00																								
12	SCT	NC			10.00																								
15	SCT	NC			10.00																								
18	OVC	100			10.00	-RA																							
21	BKN	120			10.00																								
24	BKN	110			10.00																								
					SUNRISE: 0557	SEP 26			SUNSET: 1755																				
03	CLR	NC			7.00																								
06	OVC	007			5.00	BR																							
09	OVC	007			10.00																								
12	OVC	013			10.00																								
15	OVC	013			10.00																								
18	OVC	008			10.00	-RA																							
21	OVC	008			10.00																								
24	OVC	008			10.00																								
					SUNRISE: 0558	SEP 27			SUNSET: 1753																				
03	OVC	011			7.00	-RA																							
06	OVC	025			10.00																								
09	OVC	055			10.00																								
12	CLR	NC			10.00																								
15	CLR	NC			10.00																								
18	CLR	NC			10.00																								
21	CLR	NC			10.00																								
24	CLR	NC			10.00																								
					SUNRISE: 0559	SEP 28			SUNSET: 1752																				
03	CLR	NC			10.00																								
06	SCT	NC			10.00																								
09	BKN	036			10.00	-RA																							
12	OVC	027			10.00																								
15	FEW	NC			10.00																								
18	FEW	NC			10.00																								
21	BKN	055			4.00	-RA BR																							
24	OVC	045			2.50	+TSRA BR																							
					SUNRISE: 0600	SEP 29			SUNSET: 1750																				
03	BKN	006			2.00	BR																							
06	OVC	012			3.00	BR																							
09	CLR	NC			3.00	BR																							
12	CLR	NC			8.00																								
15	CLR	NC			10.00																								
18	CLR	NC			8.00																								
21	CLR	NC			7.00																								
24	CLR	NC			10.00																								
					SUNRISE: 0601	SEP 30			SUNSET: 1748																				
03	SCT	NC			10.00																								
06	CLR	NC			10.00																								
09	CLR	NC			10.00																								
12	CLR	NC			10.00																								
15	FEW	NC			10.00																								
18	BKN	090			5.00	-RA																							
21	CLR	NC			10.00																								
24	CLR	NC			10.00																								

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 WIND (MPH)																
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)																	
							STATION	SEA LEVEL																			
01			60	56	57	88	29.29	29.98	9.38	6	4	13															
02			59	55	57	89	29.29	29.98	8.51	6	3	13															
03			58	55	56	89	29.29	29.98	8.42	6	3	15															
04			58	54	56	89	29.29	29.98	8.28	6	3	16															
05			58	55	56	90	29.30	29.99	8.20	6	3	15															
06			58	54	56	89	29.31	30.00	7.97	6	3	16															
07			59	55	57	86	29.32	30.01	7.72	7	3	17															
08			61	55	58	82	29.31	30.00	8.58	8	4	19															
09			64	56	59	76	29.31	30.00	9.00	8	4	19															
10			67	56	61	70	29.30	29.99	9.54	9	5	20															
11			70	57	62	64	29.29	29.98	9.71	10	5	20															
12			72	56	63	59	29.28	29.97	9.50	10	5	21															
13			73	57	63	58	29.27	29.95	9.68	10	6	21															
14			74	57	64	57	29.25	29.94	9.71	11	5	22															
15			74	56	63	55	29.25	29.93	9.86	12	5	22															
16			74	56	63	56	29.25	29.93	9.71	12	6	22															
17			73	56	63	58	29.25	29.94	9.73	10	4	22															
18			70	56	62	64	29.25	29.94	9.55	8	2	21															
19			66	57	61	72	29.26	29.95	9.76	6	2	18															
20			65	57	60	77	29.27	29.96	9.66	6	2	18															
21			63	57	59	81	29.28	29.97	9.48	6	3	16															
22			62	57	59	84	29.29	29.97	9.25	6	4	16															
23			61	56	58	85	29.28	29.97	9.50	7	3	16															
24			60	56	58	86	29.28	29.97	9.38	7	4	16															

## 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.

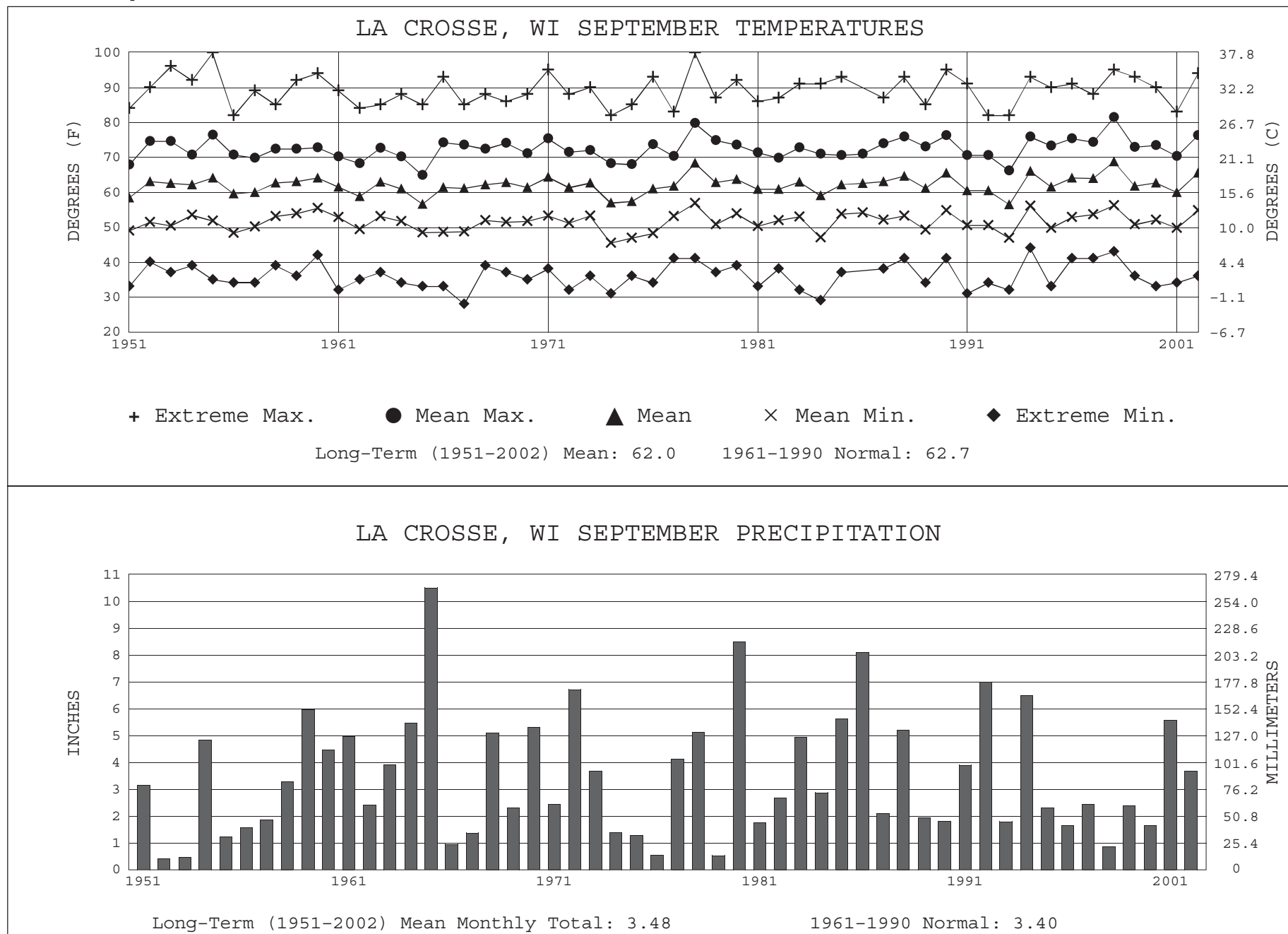
NC= No ceiling detected.

& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			60	56	57	88	29.29	29.98	9.38	6	4	13
02			59	55	57	89	29.29	29.98	8.51	6	3	13
03			58	55	56	89	29.29	29.98	8.42	6	3	15
04			58	54	56	89	29.29	29.98	8.28	6	3	16
05			58	55	56	90	29.30	29.99	8.20	6	3	15
06			58	54	56	89	29.31	30.00	7.97	6	3	16
07			59	55	57	86	29.32	30.01	7.72	7	3	17
08			61	55	58	82	29.31	30.00	8.58	8	4	19
09			64	56	59	76	29.31	30.00	9.00	8	4	19
10			67	56	61	70	29.30	29.99	9.54	9	5	20
11			70	57	62	64	29.29	29.98	9.71	10	5	20
12			72	56	63	59	29.28	29.97	9.50	10	5	21
13			73	57	63	58	29.27	29.95	9.68	10	6	21
14			74	57	64	57	29.25	29.94	9.71	11	5	22
15			74	56	63	55	29.25	29.93	9.86	12	5	22
16			74	56	63	56	29.25	29.93	9.71	12	6	22
17			73	56	63	58	29.25	29.94	9.73	10	4	22
18			70	56	62	64	29.25	29.94	9.55	8	2	21
19			66	57	61	72	29.26	29.95	9.76	6	2	18
20			65	57	60	77	29.27	29.96	9.66	6	2	18
21			63	57	59	81	29.28	29.97	9.48	6	3	16
22			62	57	59	84	29.29	29.97	9.25	6	4	16
23			61	56	58	85	29.28	29.97	9.50	7	3	16
24			60	56	58	86	29.28	29.97	9.38	7	4	16







SEPTEMBER 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.*

DIRECTOR

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost is \$29 for online delivery (including back issues) compared to \$34 for offline delivery.** To order this and other subscriptions online with your credit card, go to:  
**[www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)** and choose subscriptions.

We welcome your questions or comments, please contact us at  
Toll Free Number (866) 742–3322 (voice)  
Fax Number : (304) 726–4409  
TDD : 828–271–4010  
or Email : [ncdc.info@noaa.gov](mailto:ncdc.info@noaa.gov)  
Local Climatological Data is available at [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center  
310 State Route 956 Building 300  
Rocket Center, WV 26726

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS  
POSTAGE AND FEES PAID  
NOAA  
PERMIT G-19