

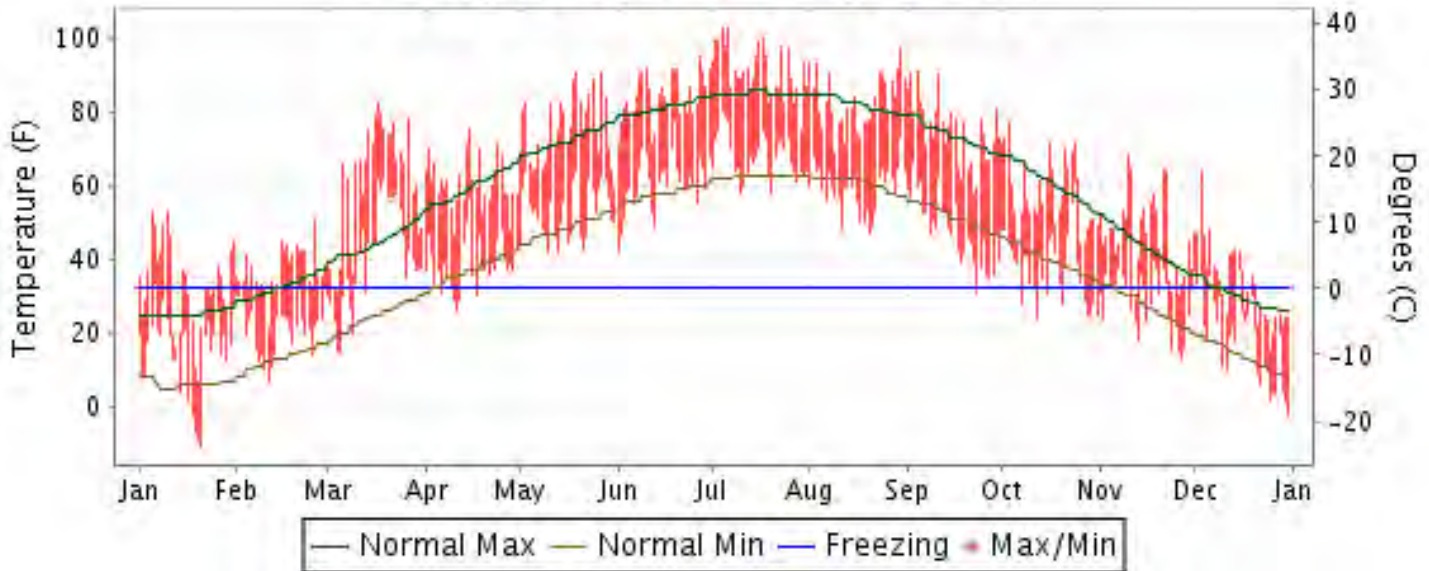


2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

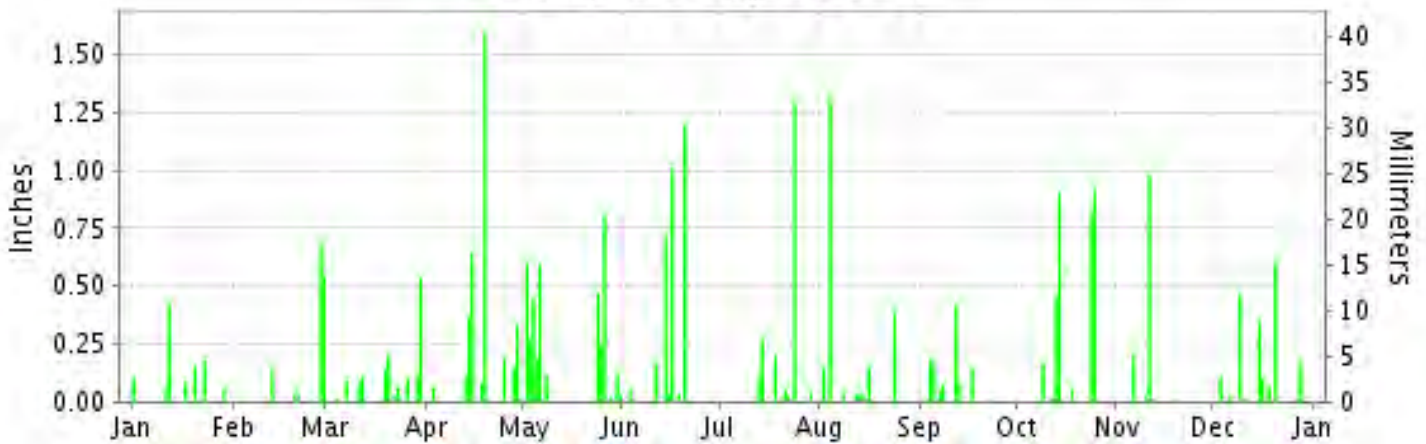
ISSN 0198-5701

LA CROSSE, WISCONSIN (KLSE)

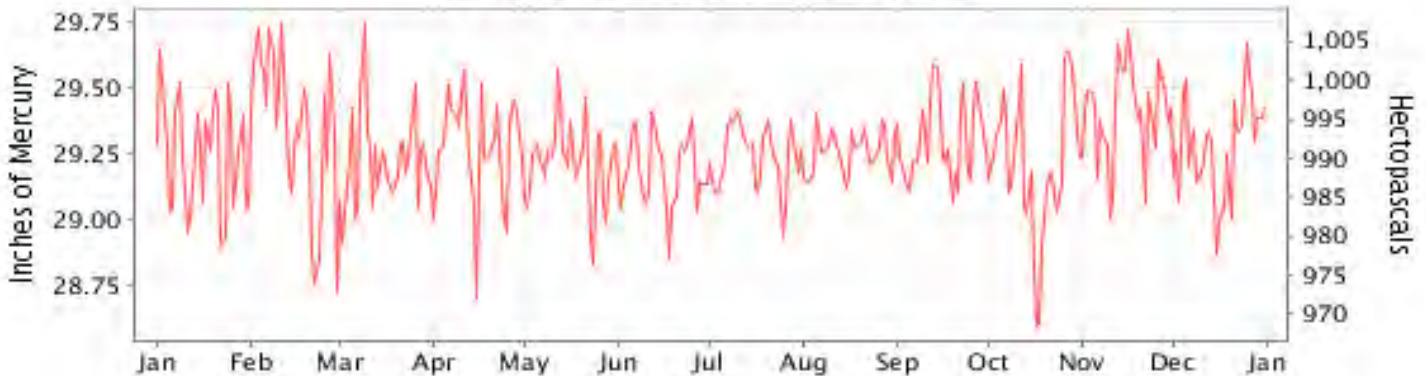
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2012

LA CROSSE (KLSE)

LATITUDE: 43° 52'N LONGITUDE: 91° 15'W ELEVATION (FT): GRND: 652 BARO: 658 TIME ZONE: CENTRAL (UTC -6) WBAN: 14920

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	32.7	37.0	60.2	60.6	75.5	84.3	91.3	82.8	74.9	58.4	46.7	33.4	61.5	
	HIGHEST DAILY MAXIMUM	53	51	83	76	91	95	103	97	91	77	68	64	103	
	DATE OF OCCURRENCE	10+	26	17	15	27+	27	06+	30	04	03	10	03	JUL 06+	
	MEAN DAILY MINIMUM	14.9	21.2	40.5	38.6	52.8	60.6	68.0	59.2	47.9	37.9	29.2	18.5	40.8	
	LOWEST DAILY MINIMUM	-11	7	15	26	42	42	58	47	31	24	13	-2	-11	
	DATE OF OCCURRENCE	21	11	05+	11	13+	01	20+	20	23	12	27	31	JAN 21	
	AVERAGE DRY BULB	23.8	29.1	50.4	49.6	64.2	72.5	79.7	71.0	61.4	48.2	38.0	26.0	51.2	
	MEAN WET BULB	22.0		45.2	43.1	56.0	63.5	70.3	63.2	53.3	43.0	34.3	24.8		
	MEAN DEW POINT	16.8		39.2	34.9	49.1	57.4	65.5	58.3	47.0	36.3	28.1	20.5		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	2	9	16	7	3	0	0	0	0	37
	MAXIMUM <= 32°	16	6	2	0	0	0	0	0	0	0	3	6	6	33
	MINIMUM <= 32°	30	29	9	6	0	0	0	0	1	10	16	26	26	127
MINIMUM <= 0°	4	0	0	0	0	0	0	0	0	0	0	1	1	5	
H/C	HEATING DEGREE DAYS	1265	1038	467	455	103	17	0	9	159	516	805	1201	6035	
	COOLING DEGREE DAYS	0	0	21	2	85	247	463	204	59	2	0	0	1083	
RH	MEAN (PERCENT)	74	72	69	60	63	62	66	69	64	67	68	78	68	
	HOUR 00 LST	79	78	75	66	73	75	79	81	78	73	71	80	76	
	HOUR 06 LST	80	82	81	76	78	78	84	89	84	82	77	83	81	
	HOUR 12 LST	68	63	62	50	50	46	51	51	47	56	62	74	57	
	HOUR 18 LST	69	67	58	48	51	46	48	49	51	58	66	76	57	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	3	0	0	2	0	4	1	2	3	4	20	
	THUNDERSTORMS	0	0	1	1	6	5	4	5	3	3	0	0	28	
PR	MEAN STATION PRESS. (IN.)	29.25	29.35	29.22	29.28	29.22	29.19	29.24	29.26	29.30	29.22	29.40	29.28	29.27	
	MEAN SEA-LEVEL PRESS. (IN.)	30.00	30.10	29.93	30.00	29.91	29.87	29.91	29.95	30.00	29.93	30.14	30.02	29.98	
WINDS	RESULTANT SPEED (MPH)	2.8	2.0	3.5	1.1	2.7	3.5	1.7	1.2	1.5	2.3	2.5	1.8	1.6	
	RES. DIR. (TENS OF DEGS.)	27	26	20	11	19	18	20	21	23	27	20	31	22	
	MEAN SPEED (MPH)	9.3	7.6	9.3	8.6	8.8	7.8	6.4	6.1	6.9	7.6	7.9	7.3	7.8	
	PREVAIL.DIR.(TENS OF DEGS.)	16	32	18	12	17	18	17	19	18	18	17	34	18	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	39	31	35	36	40	35	30	39	31	32	31	32	40	
	DIR. (TENS OF DEGS.)	32	22	18	30	30	32	33	31	32	28	28	33	30	
	DATE OF OCCURRENCE	01	26	19	16	03	20	07	04	22	25	23	20	MAY 03	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	49	39	45	53	53	44	36	47	43	40	44	40	53	
DIR. (TENS OF DEGS.)	32	24	26	26	29	32	33	30	34	27	30	32	29		
DATE OF OCCURRENCE	01	26	27	15	03	20	07	04	08	25	22	20	MAY 03		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.08	1.44	1.52	3.56	3.94	3.24	2.04	2.17	1.14	3.33	1.24	1.97	26.67	
	GREATEST 24-HOUR (IN.)	0.43	1.21	0.66	1.61	1.06	1.20	1.31	1.32	0.50	1.74	0.98	0.61	1.74	
	DATE OF OCCURRENCE	12	28-29	29-30	19-20	25-26	20	24	04	12-13	24-25	11	20	OCT 24-25	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	8	6	12	11	12	8	7	9	9	7	5	11	105		
PRECIPITATION 0.10	4	3	6	7	10	4	4	4	4	5	2	5	58		
PRECIPITATION 1.00	0	0	0	1	0	2	1	1	0	0	0	0	5		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	13.2	2.8	0.5	T	0.0	0.0	0.0	0.0	0.0	0.0	0.1	18.3	34.9	
	GREATEST 24-HOUR (IN.)	5.4	1.8	0.5	T	0.0	0.0	0.0	0.0	0.0	0.0	0.1	6.7	6.7	
	DATE OF OCCURRENCE	12	13	04	28							12	09	DEC 09	
	MAXIMUM SNOW DEPTH (IN.)	7	4	1	0	0	0	0	0	0	0	0	7	7	
	DATE OF OCCURRENCE	25+	15+	04									31+	DEC 31+	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	5	1	0	0	0	0	0	0	0	0	0	3	9		

PRECIPITATION (inches) 2012 LA CROSSE (KLSE)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	0.89	2.27	1.60	2.37	4.50	1.67	3.16	3.06	4.94	3.35	3.72	0.68	32.21
1984	0.28	0.92	1.94	3.65	2.18	7.43	3.00	2.11	2.87	5.09	1.36	2.42	33.25
1985	0.88	1.27	2.66	2.85	1.08	2.82	2.39	3.21	5.63				
1986		0.77	1.91	3.42	1.49	4.04	4.79	2.38	8.10	3.68	0.95	0.38	
1987	1.17	0.30	2.23	2.35	4.58	2.55	9.35	3.71	2.10	0.56	2.67	1.82	33.39
1988	1.09	0.19	1.89	2.01	0.94	3.25	2.39	4.60	5.21	0.64	3.48	0.78	26.47
1989	0.41	0.40	2.36	1.78	3.02	1.33	2.59	4.60	1.95	2.71	1.47	0.49	23.11
1990	0.79	0.68	3.23	2.61	3.74	8.07	4.03	8.02	1.82	1.43	0.74	2.91	38.07
1991	0.93	0.46	2.23	5.96	6.85	1.72	7.67	2.91	3.90	1.76	6.23	1.67	42.29
1992	0.87	0.81	3.64	4.38	1.49	2.32	4.02	2.67	7.01	0.62	3.64	1.58	33.05
1993	1.18	1.10	2.51	5.78	5.41	10.79	3.78	5.31	1.80	0.94	1.38	0.75	40.73
1994	2.24	1.65	0.37	6.51	1.49	2.74	6.29	4.84	6.51	1.99	2.05	0.71	37.39
1995	0.73	0.38	2.78	3.99	3.76	2.71	3.84	4.20	2.23	3.36	1.45	0.82	30.25
1996	3.03	0.41	2.05	1.94	1.50	5.98	2.32	2.16	1.64	2.98	4.45	1.42	29.88
1997	1.81	1.16	3.05	1.89	2.38	3.12	5.46	5.55	2.43	2.42	0.24	0.64	30.15
1998	1.76	2.71	2.43	1.74	2.95	8.22	2.78	6.21	0.85	4.61	1.26	0.30	35.82
1999	2.84	0.78	0.60	6.02	4.37	2.43	8.42	2.19	2.39	1.43	1.50	0.67	33.64
2000	1.43	0.91	1.35	1.40	5.82	7.54	4.39	2.47	1.64	1.04	2.41	1.90	32.30
2001	1.19	0.99	1.16	4.61	4.96	3.88	1.12	4.45	5.58	1.44	1.92	0.83	32.13
2002	0.44	2.20	1.52	4.27	1.31	6.39	3.75	2.70	3.68	3.33	0.55	0.36	30.50
2003	0.53	0.56	2.46	2.48	3.99	2.45	2.51	1.34	2.61	0.55	2.23	0.72	22.43
2004	0.62	1.63	3.38	1.50	9.73	7.37	4.93	3.92	3.48	2.09	1.49	1.29	41.43
2005	1.40	1.28	1.90	2.00	2.40	2.42	4.86	3.95	6.92	0.39	2.23	0.56	30.31
2006	0.47	0.71	2.61	4.78	4.12	3.19	1.75	4.16	3.61	0.90	1.65	2.12	30.07
2007	0.67	1.87	3.18	2.17	3.91	3.03	3.54	13.75	3.25	2.88	0.21	2.64	41.10
2008	1.30	1.14	2.15	6.74	3.52	7.00	6.84	0.69	2.08	1.16	1.70	2.32	36.64
2009	0.74	0.97	1.18	2.51	3.94	2.85	2.27	5.29	1.02	5.67	0.58	3.36	30.38
2010	1.46	0.79	0.71	2.18	3.37	9.01	6.08	5.84	7.03	2.08	1.93	2.39	42.87
2011	0.79	1.12	2.86	5.14	3.17	8.63	4.61	1.79	3.04	1.63	0.91	1.41	35.10
2012	1.08	1.44	1.52	3.56	3.94	3.24	2.04	2.17	1.14	3.33	1.24	1.97	26.67
POR= 70 YRS	1.04	0.99	2.02	3.09	3.62	4.34	3.85	3.74	3.39	2.12	1.69	1.22	31.11

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AVERAGE TEMPERATURE (°F) 2012 LA CROSSE (KLSE)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	19.9	25.2	33.8	42.6	54.3	69.0	76.7	75.3	62.9	49.6	35.9	6.4	46.0
1984	14.1	30.3	27.3	48.2	55.9	69.6	71.1	72.9	59.0	52.4	35.0	21.5	46.4
1985	10.9	16.5	37.2	52.5	62.0	64.5	72.1	68.4	62.2				
1986		18.4	36.4	52.1	61.9	69.1	75.0	67.5	62.5	50.9	30.2	25.1	
1987	21.7	31.2	39.0	52.9	63.7	72.8	77.1	70.2	63.0	45.3	40.3	27.6	50.4
1988	13.4	15.8	35.0	48.0	65.2	73.4	76.6	76.0	64.6	44.6	36.6	21.8	47.6
1989	24.2	12.8	29.2	46.0	58.9	67.7	75.4	71.4	61.1	51.7	31.5	12.1	45.2
1990	28.1	25.4	38.4	49.3	56.6	69.5	73.2	72.1	65.5	49.6	41.4	19.0	49.0
1991				51.0	63.9	74.3	73.2	72.7	60.5	49.0	27.3	23.8	
1992	23.9	30.3	33.9	45.6	61.2	66.9	68.0	66.6		48.9	33.1	23.6	
1993	16.9	18.6	30.7	44.1	59.0	66.3	71.5	71.9	56.5	48.7	33.8	25.2	45.3
1994	6.0	14.9	35.7	47.7	60.7	71.8	70.8	67.5	66.0	55.2	41.6	29.0	47.2
1995	19.6	22.3	37.0	43.7	58.9	73.5	76.0	77.8	61.4	51.1	28.9	21.0	47.6
1996	11.9	19.9	28.5	44.8	57.1	69.4	71.5	72.4	64.1	51.7	29.2	19.9	45.0
1997	14.7	24.8	34.0	46.4	55.0	71.2	73.0	69.2	64.0	52.9	32.8	28.9	47.2
1998	24.0	34.1	35.7	52.7	66.0	68.5	75.3	73.7	68.8	53.4	40.9	29.2	51.9
1999	14.7	31.2	37.0	51.5	63.0	70.3	77.2	70.2	61.8	49.9	43.0	27.4	49.8
2000	18.1	30.6	42.5	48.7	61.7	67.9	72.5	72.1	62.7	53.5	34.0	8.7	47.8
2001	20.7	16.3	29.5	51.5	60.6	69.0	75.7	73.3	60.0	49.0	47.5	29.8	48.6
2002	27.9	30.0	28.8	47.5	56.4	71.1	76.7	70.9	65.5	45.3	34.8	27.7	48.6
2003	16.6	18.0	33.5	47.8	57.9	67.7	73.3	75.3	63.3	50.8	36.1	27.5	47.3
2004	15.0	24.2	39.2	50.4	58.4	65.8	70.9	66.7	67.2	51.3	39.2	23.7	47.7
2005	17.5	28.5	32.5	52.5	57.1	74.3	75.6	71.7	67.1	53.3	38.0	19.8	49.0
2006	31.1	21.9	35.5	53.6	60.4	69.5	78.0	71.9	59.9	46.6	38.9	30.8	49.8
2007	22.6	13.8	38.7	47.9	64.3	71.2	74.5	72.3	65.6	56.5	36.0	19.4	48.6
2008	14.6	15.0	28.9	46.4	56.5	68.4	73.5	70.4	64.6	50.9	36.2	14.1	45.0
2009	8.8	22.8	34.5	48.1	58.9	67.8	68.1	69.2	64.6	44.6	42.7	20.1	45.9
2010	14.8	19.8	40.5	54.6	61.0	69.6	75.5	75.9	61.2	53.6	37.2	16.8	48.4
2011	14.1	20.2	32.4	46.4	58.3	69.2	77.6	72.1	60.5	53.8	39.8	28.1	47.7
2012	23.8	29.1	50.4	49.6	64.2	72.5	79.7	71.0	61.4	48.2	38.0	26.0	51.2
POR= 69 YRS	15.9	20.8	32.8	47.6	59.3	68.6	73.3	71.2	61.9	50.8	35.6	21.8	46.6

HEATING DEGREE DAYS (base 65°F) 2012 LA CROSSE (KLSE)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	6	0	160	480	867	1814	1572	1002	1159	501	285	5	7851
1984-85	9	6	219	384	893	1344	1673	1355	854	409	129	92	7367
1985-86	0	24	203					1298	880	394	141	25	
1986-87	1	35	120	431	1039	1230	1336	942	798	372	137	11	6452
1987-88	0	28	102	602	733	1151	1595	1421	924	503	85	10	7154
1988-89	0	10	78	627	844	1332	1257	1458	1100	563	218	52	7539
1989-90	1	4	159	417	1000	1638	1138	1102	818	504	267	38	7086
1990-91	3	2	112	474	700	1421				438	176	2	
1991-92	5	3	217	490	1123	1275	1268	1001	958	576	173	59	7148
1992-93	22	46		498	952	1274	1486	1295	1057	620	213	55	
1993-94	1	10	265	507	929	1227	1829	1399	899	519	175	23	7783
1994-95	7	39	76	304	694	1110	1400	1189	862	632	194	24	6531
1995-96	5	0	171	436	1076	1360	1641	1304	1125	601	277	35	8031
1996-97	2	0	121	410	1068	1393	1552	1120	951	553	304	7	7481
1997-98	11	13	80	414	960	1108	1268	859	902	366	57	72	6110
1998-99	0	0	42	356	714	1104	1553	940	861	396	114	40	6120
1999-00	0	4	148	459	653	1158	1448	992	695	481	161	42	6241
2000-01	9	2	141	359	926	1740	1367	1358	1094	410	177	59	7642
2001-02	5	6	171	491	518	1085	1143	972	1116	545	305	28	6385
2002-03	0	3	101	610	899	1150	1493	1310	970	525	217	37	7315
2003-04	1	2	151	446	858	1158	1545	1176	791	446	217	60	6851
2004-05	9	54	64	422	766	1274	1466	1014	1002	374	246	0	6691
2005-06	0	7	56	391	804	1397	1044	1199	909	336	221	21	6385
2006-07	0	1	182	580	775	1053	1309	1428	816	518	94	8	6764
2007-08	0	8	97	300	859	1407	1553	1445	1111	556	260	11	7607
2008-09	0	4	75	435	860	1572	1731	1175	940	508	200	66	7566
2009-10	11	24	68	627	661	1385	1548	1258	753	316	200	10	6861
2010-11	0	1	134	353	826	1490	1572	1246	1004	555	247	41	7469
2011-12	0	0	188	363	750	1137	1265	1038	467	455	103	17	5783
2012-	0	9	159	516	805	1201							

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COOLING DEGREE DAYS (base 65°F) 2012 LA CROSSE (KLSE)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	0	1	0	172	375	324	104	12	0	0	988
1984	0	0	0	2	8	149	206	257	48	0	0	0	670
1985	0	0	0	41	42	84	229	136	126				
1986	0	0	1	13	54	156	319	118	53	0	0	0	
1987	0	0	0	16	103	249	383	196	48	0	0	0	995
1988	0	0	0	0	101	269	365	360	73	0	0	0	1168
1989	0	0	1	0	38	138	331	212	48	11	0	0	779
1990	0	0	0	39	13	181	264	230	134	2	0	0	863
1991				24	148	286	267	251	84	0	0	0	
1992	0	0	0	0	59	124	121	102		5	0	0	
1993	0	0	0	0	35	100	209	232	14	10	0	0	600
1994	0	0	0	9	50	232	193	124	111	5	0	0	724
1995	0	0	0	0	13	286	353	405	71	11	0	0	1139
1996	0	0	0	0	38	174	210	236	101	5	0	0	764
1997	0	0	0	1	2	202	268	147	54	48	0	0	722
1998	0	0	0	3	96	185	326	277	163	2	0	0	1052
1999	0	0	0	0	55	209	384	169	59	0	0	0	876
2000	0	0	4	1	66	135	248	228	77	8	2	0	769
2001	0	0	0	10	48	185	344	269	28	1	0	0	885
2002	0	0	0	25	44	218	371	192	123	6	0	0	979
2003	0	0	0	16	4	124	265	326	104	13	0	0	852
2004	0	0	0	14	19	91	198	114	136	3	0	0	575
2005	0	0	0	5	7	285	335	222	125	38	0	0	1017
2006	0	0	0	0	83	163	411	222	36	14	0	0	929
2007	0	0	9	12	80	199	302	242	122	43	0	0	1009
2008	0	0	0	0	8	122	267	179	70	6	1	0	653
2009	0	0	0	6	21	159	113	158	63	0	0	0	520
2010	0	0	0	9	84	153	332	344	28	9	0	0	959
2011	0	0	0	1	47	174	395	228	57	20	0	0	922
2012	0	0	21	2	85	247	463	204	59	2	0	0	1083

SNOWFALL (inches) 2012 LA CROSSE (KLSE)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0.0	0.0	0.0	0.0	4.0	9.2	3.5	1.7	11.0	T	0.0	0.0	29.4
1984-85	0.0	0.0	0.0	T	2.9	13.3	9.4	5.3	14.5	T	0.0	0.0	45.4
1985-86	0.0	0.0	T					8.2	T	T	0.0	0.0	
1986-87	0.0	0.0	0.0	T	8.7	2.6	12.6	2.3	12.5	T	0.0	0.0	38.7
1987-88	0.0	0.0	0.0	T	T	13.3	19.1	4.2	1.2	T	0.0	0.0	37.8
1988-89	0.0	0.0	0.0	T	7.6	5.2	3.8	7.9	19.3	T	T	0.0	43.8
1989-90	0.0	0.0	0.0	T	8.7	5.9	10.0	7.0	T	T	0.0	0.0	31.6
1990-91	0.0	0.0	0.0	T	0.8	30.4	12.6	2.6	0.3	2.5	0.0	0.0	49.2
1991-92	0.0	0.0	0.0	1.2	30.3	8.7	5.3	7.5	11.1	T	0.0	0.0	64.1
1992-93	0.0	0.0	0.0	1.8	3.8	10.6	10.4	12.6	10.0	8.9	0.0	0.0	58.1
1993-94	0.0	0.0	0.0	0.2	4.5	2.3	21.4	18.7	0.8	1.9	0.0	0.0	49.8
1994-95	0.0	0.0	T	0.0	3.2	5.7	5.9	2.2	9.6	3.8	T	0.0	30.4
1995-96	0.0	T	0.0	0.5	6.1	8.8	35.0	1.2	5.8	3.3	0.0	0.0	60.7
1996-97	0.0	0.0	0.0	0.0	12.2	11.3	11.1	10.9	20.5	3.2	0.0	T	69.2
1997-98	0.0	0.0	0.0	0.0	1.8	6.0	16.1	3.8	9.7	0.1	0.0	T	37.5
1998-99	0.0	T	0.0	0.0	0.3	4.1	31.9	2.4	5.3	0.0	0.0	0.0	44.0
1999-00	0.0	0.0	0.0	0.3	0.0	4.9	9.4	5.4	3.7	1.9	0.0	0.0	25.6
2000-01	0.0	0.0	0.0	0.0	2.8	25.5	4.3	6.2	8.1	0.1	0.0	0.0	47.0
2001-02	0.0	0.0	0.0	T	T	1.0	6.4	6.2	8.5	10.8	T	0.0	32.9
2002-03	0.0	0.0	0.0	0.0	2.7	1.7	7.0	6.2	6.0	6.7	0.0	0.0	30.3
2003-04	0.0	0.0	0.0	T	0.5	6.0	8.2	14.5	5.5	0.0	T	0.0	34.7
2004-05	T	0.0	0.0	T	0.2	9.1	14.3	5.6	19.7	T	T	0.0	48.9
2005-06	0.0	0.0	0.0	0.0	6.1	12.9	1.6	11.4	7.8	T	0.0	0.0	39.8
2006-07	0.0	0.0	0.0	T	2.9	T	12.4	23.8	7.3	3.5	0.0	0.0	49.9
2007-08	0.0	0.0	0.0	0.0	1.7	24.2	18.3	15.0	7.9	0.8	0.0	0.0	67.9
2008-09	0.0	0.0	0.0	T	4.0	32.7	10.1	7.7	1.2	T	0.0	0.0	55.7
2009-10	0.0	0.0	0.0	0.4	T	24.9	5.0	9.5	0.0	0.0	0.0	0.0	39.8
2010-11	0.0	0.0	0.0	0.0	T	32.3	11.3	10.8	5.6	4.7	0.0	0.0	64.7
2011-12	0.0	0.0	0.0	T	0.7	4.3	13.2	2.8	0.5	T	0.0	0.0	21.5
2012-	0.0	0.0	0.0	0.0	0.1	18.3							
POR= 64 YRS	T	T	T	0.1	3.6	10.1	10.7	8.1	8.2	1.9	T	T	42.7

WBAN : 14920

REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN</p>	<p>PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE:</p> <p>The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> <p>The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.</p> <ol style="list-style-type: none"> 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog. 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt.
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2012 LA CROSSE WISCONSIN (KLSE)

The city of La Crosse is situated on the east bank of the Mississippi River at the confluence of the Mississippi, Black, and La Crosse Rivers. The official records are taken at the La Crosse Municipal Airport which is 6 1/2 miles north of the main Post Office, on the north end of French Island. This island is about 6 miles long from north to south and 2 to 4 miles wide with the Mississippi River to the west and the old channel of the Black River to the east. A rather level sandy plain exists on each side of the river extending between the Wisconsin and Minnesota bluffs which rise 450 to 500 feet above the valley floor. The distance from bluff to bluff averages about 5 miles. The Mississippi River bends to the northwest and continues directly southward from the city.

The prevailing winds in the area are from the northwest from January through April and southerly during the remainder of the year. The situation of the city and airport in a natural bowl between the hills results in somewhat colder temperatures at night due to the settling of cooler air. Valley fogs often persist to mid-forenoon. Steepsided hills with narrow valleys are characteristic of most of the surrounding area.

The flow of the Mississippi River is regulated by dams built for the purpose of navigation, but the reservoirs have limited storage capacity. La Crosse is in the area of Pool No. 8 with a mean sea level elevation of 631 feet. When the river reaches an elevation of 639 feet, with open gate operation, there is considerable flooding of land near the river and some industrial sections of the city.

The invigorating continental-type climate results in wide and frequent variations in temperature. General storms moving eastward or northeastward into our area bring warmer weather and supply most of our moisture. These are usually followed by cooler air from Canada. The winters are cold and humid. The summers are warm with moderate humidities, while periods of hot and humid weather occur occasionally, usually lasting from a few days to a week at a time.

Sixty percent of the precipitation falls during the main growing season, extending from May through September. Most of the summer rainfall occurs during scattered thunderstorms. Some damage from heavy rains, high winds, and hail occurs each year, but tornadoes are infrequent and cover very small areas. Snow is frequent and is the predominant form of precipitation in winter. Heavy snow sometimes falls with larger amounts over the ridges. Glaze storms are not numerous since La Crosse is north of the main path of freezing rain.

Farming is diversified with dairying the leading activity. The more important field crops are corn, oats, and hay. Some of the more specialized crops are soybeans, tobacco, small fruits, and cranberries. Commercial apple orchards are numerous across the Mississippi River in Minnesota.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 13 and the average last occurrence in the spring is April 29.

Station History

LA CROSSE, WI

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
LA CROSSE MUNICIPAL AP	1996-02-27	1996-08-01	43° 52'	-91° 15'	651		AIRWAYS, COOP
LA CROSSE MUNICIPAL AP	1994-03-03	1996-02-27	43° 52'	-91° 15'	651		AIRWAYS, COOP
LA CROSSE MUNICIPAL AP	2002-09-11	2004-12-02	43° 52'	-91° 15'	652		AIRWAYS, ASOS, COOP
LA CROSSE MUNICIPAL AP	1951-01-01	1952-01-01	43° 52'	-91° 15'	656		AIRWAYS, COOP
LA CROSSE MUNICIPAL AP	1952-01-01	1994-03-03	43° 52'	-91° 15'			AIRWAYS, COOP
LA CROSSE MUNICIPAL AP	2000-10-05	2002-09-11	43° 52'	-91° 15'	651		AIRWAYS, ASOS, COOP
LA CROSSE MUNICIPAL AP	1950-12-14	1951-01-01	43° 55'	-91° 16'	669		AIRWAYS, COOP
LA CROSSE MUNICIPAL AP	1996-08-01	2000-10-05	43° 52'	-91° 15'	651		AIRWAYS, COOP
LA CROSSE MUNICIPAL AP	2004-12-02	Present	43° 52'	-91° 15'	652		AIRWAYS, ASOS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	2002-09-11	2004-12-02	DAILY	2400	ATEMP		
PRECIP	2002-09-11	2004-12-02	HOURLY	2400	TB	RCRD	
PRECIP	1950-12-14	1991-07-18	DAILY	2400			
PRECIP	1991-07-18	2002-09-11	DAILY	2400	SRG		ROOF
PRECIP	2002-09-11	2004-12-02	DAILY	2400	TB	RCRD	
PRECIP	2004-12-02	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	2004-12-02	Present	DAILY	2400	ATEMP		
TEMP	1950-12-14	1991-07-18	DAILY	2400	HYGR		
PRECIP	1950-12-14	1969-10-29	HOURLY	2400			
TEMP	1991-07-18	2002-09-11	DAILY	2400	HYGR		
PRECIP	2004-12-02	Present	DAILY	2400	PCPNX		

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

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