



MAY 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

MADISON, WI

DANE COUNTY REGIONAL AIRPORT (MSN)

Lat: 43°08' N Long: 89°20' W Elev (Ground): 857 Feet

Time Zone: CENTRAL WBAN: 14837 ISSN #:0198-5736

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	55	41	48	-4	41	45	17	0	RA BR	0		0.0	0.45	28.81	29.74	2.4	01	6.9	18	05	15	04	01	
02	51	37	44	-8	29	38	21	0		0		0.0	0.00	28.83	29.77	8.3	29	9.6	28	28	21	27	02	
03	57	29	43	-10	25	36	22	0		0		0.0	0.00	29.17	30.11	1.2	10	5.0	16	22	12	14	03	
04	68	32	50	-3	37	46	15	0		0		0.0	0.00	29.17	30.11	6.4	20	9.1	23	22	18	19	04	
05	75	43	59	5	49	54	6	0	RA BR	0		0.0	0.01	29.15	30.08	4.8	16	8.6	24	14	20	15	05	
06	78	57	68	14	59	62	0	3	TS TSRA RA BR	0		0.0	0.14	28.88	29.79	6.0	20	7.6	18	23	14	23	06	
07	61	44	53	-2	47	50	12	0	BR	0		0.0	0.00	29.14	30.07	8.9	05	11.6	24	09	21	09	07	
08	71	45	58	3	52	54	7	0	TSRA RA DZ BR HZ	0		0.0	0.38	28.87	29.80	12.1	12	13.5	24	12	21	12	08	
09	63	45	54	-1	37	45	11	0	RA BR	0		0.0	0.12	28.86	29.78	12.4	27	13.6	38*	29	26	26	09	
10	62	43	53	-3	31	43	12	0		0		0.0	0.00	29.31	30.25	6.1	28	6.9	25	30	18	28	10	
11	53	43	48	-8	40	43	17	0	TSRA RA DZ BR	0		0.0	0.50	29.27	30.22	12.0	11	12.6	35	11	29*	11	11	
12	47	41	44	-12	43	44	21	0	TSRA RA DZ BR	0		0.0	0.18	29.07	30.01	9.6	01	10.4	23	01	18	01	12	
13	56	41	49	-8	40	44	16	0		0		0.0	0.00	29.10	30.04	5.2	34	6.2	20	34	16	01	13	
14	62	41	52	-5	42	46	13	0		0		0.0	0.00	29.13	30.06	5.1	31	5.8	18	31	14	30	14	
15	74	39	57	0	48	54	8	0		0		0.0	0.00	28.99	29.92	10.5	19	11.0	32	17	25	18	15	
16	64	43	54	-4	52	55	11	0	RA BR	0		0.0	T	28.98	29.90	1.6	05	8.7	18	09	17	09	16	
17	51	32	42	-16	32	38	23	0		0		0.0	0.00	29.23	30.18	6.7	05	8.3	23	02	18	02	17	
18	55	28*	42	-17	31	38	23	0	RA BR	0		0.0	T	29.27	30.22	3.8	34	5.1	21	30	15	01	18	
19	53	31	42*	-17	34	40	23	0	RA BCFG BR	0		0.0	T	29.32	30.27	5.3	07	6.2	20	10	17	03	19	
20	52	35	44	-15	30	37	21	0		0		0.0	0.00	29.46	30.42	5.3	06	7.6	18	36	14	07	20	
21	61	30	46	-14	34	42	19	0		0		0.0	0.00	29.40	30.35	4.6	20	6.0	16	17	13	18	21	
22	70	41	56	-4	43	50	9	0		0		0.0	0.00	29.16	30.09	15.4	18	15.6	32	18	28	16	22	
23	69	57	63	3	55	58	2	0		0		0.0	0.00	28.92	29.84	8.8	21	10.6	28	20	22	19	23	
24	58	39	49	-12	40	45	16	0		0		0.0	0.00	29.16	30.09	7.0	05	8.8	20	10	18	11	24	
25	50	40	45	-16	42	43	20	0	RA DZ BR	0		0.0	0.61	29.07	30.01	3.9	36	6.4	18	36	15	36	25	
26	74	45	60	-1	50	55	5	0	BR	0		0.0	0.00	29.10	30.03	9.5	20	9.7	24	19	20	19	26	
27	76	52	64	2	55	59	1	0		0		0.0	0.00	29.09	30.01	4.2	16	5.2	16	16	15	15	27	
28	80	50	65	3	59	62	0	0	TSRA RA BR	0		0.0	0.48	29.04	29.95	5.7	13	7.4	25	11	18	12	28	
29	79	61	70	8	64	66	0	5	RA BR	0		0.0	0.05	28.94	29.85	3.4	21	4.4	13	20	10	20	29	
30	83*	60	72*	9	66	69	0	7	BR	0		0.0	0.00	28.82	29.72	7.1	21	7.8	22	23	16	23	30	
31	80	58	69	6	56	63	0	4		0		0.0	0.00	28.82	29.73	3.5	27	6.0	18	21	14	21	31	
64.1 42.7 53.4 ■■ 44.0 49.2 12.0 0.6 < MONTHLY AVERAGES TOTALS->												0.0	2.92	29.08	30.01	1.1	16	8.5	<- MONTHLY AVERAGES					
-5.3 -3.3 -4.3 ■■ <-----DEPARTURE FROM NORMAL----->													- .33	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.68 DATE :11-12				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE :				MAXIMUM : 30.47 20 0853											
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :				MINIMUM : 29.50 09 0253											
HEATING: 371 77 6449 -1156									NUMBER OF DAYS WITH ➡		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32 : 6		PRECIPITATION ≥ 0.01 INCH : 10									
COOLING: 19 -14 40 1											MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 8									
											THUNDERSTORMS : 5		HEAVY FOG : 0		SNOWFALL ≥ 1.0 INCH : 0									

MAY 2002
MADISON, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MADISON, WI

MAY 2002

MSN

WBAN # 14837

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												0.02	01	0.07	0.01				T	0.01	0.01	0.11	0.06	0.11	0.05	01			0.45
02													02													02			0.00
03													03													03			0.00
04													04													04			0.00
05													05						0.01							05			0.01
06													06										0.09	0.01		06			0.14
07		T	0.04										07													07			0.00
08							T	T					08										0.10	T	0.28	08			0.38
09	0.02	0.01	T	0.03	0.05	0.01	T						09													09			0.12
10													10													10			0.00
11							T						11	0.09	0.01		T	T	0.01	T	T	0.02	0.02	0.01	0.09	11			0.50
12	0.08	0.10	T	T	T	T	T	T	T	T	0.12	0.13	12		T		T						T			12			0.18
13													13			T										13			0.00
14													14													14			0.00
15													15													15			0.00
16											T	T	16													16			T
17													17													17			0.00
18													18	T												18			T
19													19						T							19			T
20													20													20			0.00
21													21													21			0.00
22													22													22			0.00
23													23													23			0.00
24													24													24			0.00
25			T	T	0.05	0.14	0.14	0.16	0.07	0.03	0.02	T	25													25			0.61
26													26													26			0.00
27													27													27			0.00
28													28									0.08	0.34	0.06	T	28			0.48
29	0.01	0.01	0.03										29													29			0.05
30													30													30			0.00
31													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)	.17	.27	.33	.34	.34	.34	.38	.47	.48	.48	.48	.48
Ending Date	28	28	28	28	28	28	28	28	28	28	28	28
Ending Time (Hour/Min)	2152	2155	2157	2202	2202	2202	2157	2157	2202	2202	2202	2202

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

**MADISON, 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).

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							2.50	10.00	
02							7.00	10.00	
03							10.00	10.00	
04							9.00	10.00	
05							6.00	10.00	
06							3.00	10.00	
07							2.50	10.00	
08							1.00	10.00	
09							4.00	10.00	
10							10.00	10.00	
11							1.50	10.00	
12							2.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							6.00	10.00	
17							8.00	10.00	
18							5.00	10.00	
19							3.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							9.00	10.00	
23							7.00	10.00	
24							10.00	10.00	
25							1.50	10.00	
26							4.00	10.00	
27							10.00	10.00	
28							.75	10.00	
29							3.00	10.00	
30							4.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.14	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									
0 10 15									

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

MAY 2002

MSN

WBAN # 14837

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: 0451 MAY 01 SUNSET: 1858												SUNRISE: 0443 MAY 07 SUNSET: 1904																	
03	BKN	110			10.00	45	39	42	80	0	00	28.87	29.80	03	OVC	007			2.50	BR	59	58	58	96	9	34	28.99	29.90	
06	BKN	095			10.00	49	40	45	71	6	20	28.89	29.81	06	OVC	007			4.00	BR	53	52	52	96	12	35	29.09	30.01	
09	SCT	NC			10.00	54	37	46	53	6	21	28.87	29.80	09	OVC	009			10.00		48	46	47	93	14	04	29.18	30.11	
12	OVC	032			3.00	-RA	50	43	47	77	0	00	28.85	29.78	12	BKN	026			10.00		54	44	49	69	13	08	29.22	30.16
15	OVC	070			10.00		52	46	49	80	9	03	28.77	29.70	15	FEW	NC			10.00		57	46	51	67	10	10	29.17	30.11
18	OVC	070			10.00	-RA	49	41	45	74	12	03	28.70	29.63	18	FEW	NC			10.00		55	45	50	69	17	11	29.17	30.10
21	OVC	027			3.00	-RA BR	45	43	44	93	7	31	28.77	29.70	21	FEW	NC			10.00		44	37	41	76	5	06	29.21	30.16
24	BKN	090			7.00		42	39	41	89	9	36	28.73	29.66	24	OVC	044			10.00		45	37	41	74	14	07	29.13	30.06
SUNRISE: 0450 MAY 02 SUNSET: 1859												SUNRISE: 0442 MAY 08 SUNSET: 1905																	
03	OVC	009			10.00	40	38	39	93	9	30	28.74	29.67	03	OVC	080			10.00		47	39	43	74	13	09	29.04	29.98	
06	BKN	024			10.00	40	36	38	86	9	29	28.77	29.70	06	OVC	007			3.00	BR	50	48	49	93	8	13	29.01	29.94	
09	BKN	039			10.00	43	31	38	63	10	30	28.81	29.74	09	OVC	013			3.00	HZ	53	48	50	83	18	12	28.95	29.88	
12	FEW	NC			10.00	46	18	36	33	18	30	28.84	29.78	12	OVC	019			10.00		58	52	55	81	13	12	28.90	29.83	
15	SCT	NC			10.00	50	21	39	32	16	27	28.82	29.75	15	SCT	NC			8.00		70	60	64	71	15	15	28.80	29.71	
18	BKN	070			10.00	45	31	39	58	9	29	28.88	29.81	18	CLR	NC			7.00		64	57	60	78	13	12	28.76	29.67	
21	CLR	NC			10.00	43	31	38	63	7	VR	28.93	29.87	21	SCT	NC			4.00	BR	59	56	57	90	13	13	28.70	29.62	
24	CLR	NC			10.00	38	27	34	65	5	28	28.99	29.93	24	OVC	017			3.00	RA BR	60	60	60	100	9	32	28.72	29.64	
SUNRISE: 0448 MAY 03 SUNSET: 1860												SUNRISE: 0441 MAY 09 SUNSET: 1907																	
03	CLR	NC			10.00	33	22	29	64	0	00	29.05	29.99	03	OVC	015			8.00	-RA	60	59	59	96	6	19	28.60	29.50	
06	CLR	NC			10.00	34	26	31	73	5	34	29.13	30.08	06	OVC	036			6.00	-RA BR	50	48	49	93	10	27	28.69	29.61	
09	CLR	NC			10.00	43	26	36	51	7	VR	29.20	30.14	09	BKN	120			10.00		48	34	42	58	13	28	28.79	29.71	
12	CLR	NC			10.00	51	27	41	39	5	VR	29.20	30.15	12	SCT	NC			10.00		52	33	43	49	20	27	28.86	29.78	
15	CLR	NC			10.00	55	20	41	25	3	VR	29.19	30.14	15	SCT	NC			10.00		53	30	43	41	17	28	28.93	29.85	
18	CLR	NC			10.00	54	24	42	31	7	09	29.18	30.13	18	SCT	NC			9.00		52	28	42	40	18	27	28.98	29.91	
21	CLR	NC			10.00	46	31	40	56	9	14	29.22	30.16	21	FEW	NC			10.00		49	27	40	43	18	27	29.06	30.00	
24	CLR	NC			10.00	40	27	35	60	5	15	29.23	30.17	24	CLR	NC			10.00		45	28	38	52	7	VR	29.12	30.06	
SUNRISE: 0447 MAY 04 SUNSET: 1901												SUNRISE: 0440 MAY 10 SUNSET: 1908																	
03	CLR	NC			10.00	36	20	30	52	6	15	29.22	30.16	03	CLR	NC			10.00		44	29	38	55	7	28	29.15	30.09	
06	CLR	NC			10.00	35	27	32	72	0	00	29.24	30.19	06	CLR	NC			10.00		44	30	38	58	7	VR	29.22	30.16	
09	CLR	NC			10.00	56	31	45	39	15	18	29.23	30.17	09	CLR	NC			10.00		54	30	43	40	14	28	29.32	30.26	
12	CLR	NC			10.00	64	42	53	45	16	18	29.16	30.10	12	FEW	NC			10.00		60	29	46	31	10	30	29.35	30.29	
15	SCT	NC			10.00	67	44	55	44	13	22	29.11	30.05	15	FEW	NC			10.00		62	31	48	31	10	29	29.35	30.29	
18	OVC	075			10.00	66	45	55	47	9	21	29.08	30.01	18	FEW	NC			10.00		60	28	46	30	0	00	29.37	30.30	
21	SCT	NC			10.00	61	49	54	65	6	22	29.12	30.04	21	CLR	NC			10.00		48	36	43	63	0	00	29.39	30.34	
24	CLR	NC			10.00	51	46	49	83	6	32	29.21	30.14	24	BKN	120			10.00		46	38	42	73	0	00	29.40	30.35	
SUNRISE: 0446 MAY 05 SUNSET: 1902												SUNRISE: 0438 MAY 11 SUNSET: 1909																	
03	OVC	016			7.00	48	45	47	89	7	33	29.25	30.19	03	SCT	NC			10.00		46	38	42	73	3	11	29.39	30.34	
06	OVC	014			10.00	45	43	44	93	5	01	29.31	30.24	06	BKN	095			10.00		48	36	43	63	7	11	29.37	30.31	
09	OVC	016			10.00	52	46	49	80	9	10	29.29	30.22	09	SCT	NC			10.00		52	33	44	49	14	11	29.34	30.28	
12	CLR	NC			10.00	61	50	55	67	12	18	29.23	30.17	12	OVC	024			3.00	-RA BR	44	41	43	89	17	11	29.38	30.33	
15	FEW	NC			10.00	72	53	61	52	12	17	29.10	30.03	15	OVC	017			10.00		44	41	43	89	18	11	29.26	30.20	
18	BKN	110			10.00	69	54	60	59	0	00	29.05	29.98	18	OVC	010			1.50	-RA BR	43	43	43	100	16	10	29.17	30.11	
21	FEW	NC			10.00	64	53	58	68	14	16	28.94	29.86	21	OVC	008			5.00	-RA BR	43	43	43	100	17	10	29.09	30.03	
24	CLR	NC			10.00	67	54	59	63	14	19	28.95	29.87	24	OVC	006			4.00	-TSRA BR	43	43	43	100	9	06	29.06	30.00	
SUNRISE: 0445 MAY 06 SUNSET: 1903												SUNRISE: 0437 MAY 12 SUNSET: 1910																	
03	BKN	050			10.00	-RA	61	59	60	93	7	22	28.95	29.86	03	OVC	007			9.00	-DZ	43	43	43	100	13	06	28.98	29.92
06	FEW	NC			6.00	BR	61	60	60	97	5	14	28.87	29.78	06	OVC	005			2.00	-DZ BR	42	42	42	100	9	04	28.99	29.93
09	FEW	NC			10.00	67	60	63	79	13	17	28.88	29.79	09	OVC	007			2.50	-DZ BR	44	44	44	100	12	02	29.03	29.98	
12	FEW	NC			10.00	71	63	66	76	7	18	28.84	29.75	12	OVC	007			10.00		46	44	45	93	12	36	29.06	30.00	
15	FEW	NC			10.00	78	60	67	54	9	24	28.83	29.73	15	OVC	018			9.00	-DZ	46	44	45	93	9	35	29.10	30.04	
18	FEW	NC			10.00	77	54	63	45	6	23	28.82	29.73	18	OVC	014			10.00		46								

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

MAY 2002

MSN

WBAN # 14837

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: 0436 MAY 13				SUNSET: 1911										SUNRISE: 0430 MAY 19				SUNSET: 1917						
03	OVC	018			10.00		43	39	41	86	12	36	29.12	30.06	03	CLR	NC			10.00	37	36	37	96	0	00	29.26	30.21	
06	OVC	035			10.00		43	39	41	86	7	34	29.14	30.09	06	CLR	NC		BR BCFG	3.00	38	36	37	93	3	06	29.30	30.25	
09	BKN	041			10.00		48	40	44	74	8	34	29.12	30.07	09	FEW	NC			10.00	50	37	44	61	6	07	29.31	30.25	
12	OVC	055			10.00		51	39	45	64	10	34	29.10	30.05	12	BKN	060			10.00	51	31	42	46	8	03	29.31	30.25	
15	OVC	047			10.00		53	39	46	59	7	34	29.08	30.02	15	BKN	100			10.00	53	35	45	51	9	05	29.32	30.26	
18	BKN	080			10.00		53	40	47	61	0	00	29.06	30.00	18	OVC	060			10.00	48	35	42	61	8	12	29.34	30.28	
21	BKN	060			10.00		48	43	46	83	5	VR	29.07	30.01	21	OVC	047			10.00	43	34	39	71	13	09	29.38	30.33	
24	CLR	NC			10.00		41	41	41	100	0	00	29.07	30.02	24	OVC	085			10.00	38	31	35	76	6	08	29.43	30.38	
					SUNRISE: 0435 MAY 14					SUNSET: 1912									SUNRISE: 0429 MAY 20				SUNSET: 1918						
03	CLR	NC			10.00		43	41	42	93	6	29	29.08	30.02	03	OVC	070			10.00	38	30	35	73	6	08	29.43	30.39	
06	FEW	NC			10.00		46	44	45	93	8	31	29.12	30.05	06	OVC	070			10.00	38	30	35	73	9	07	29.47	30.43	
09	BKN	030			10.00		52	43	48	72	10	30	29.14	30.08	09	BKN	065			10.00	43	31	38	63	7	36	29.51	30.47	
12	SCT	NC			10.00		56	43	49	62	6	VR	29.15	30.09	12	OVC	060			10.00	47	31	40	54	5	04	29.49	30.45	
15	SCT	NC			10.00		61	42	51	50	9	30	29.13	30.06	15	SCT	NC			10.00	52	30	42	43	8	36	29.45	30.40	
18	FEW	NC			10.00		60	39	50	46	7	31	29.11	30.05	18	FEW	NC			10.00	50	29	41	44	9	06	29.43	30.39	
21	CLR	NC			10.00		47	41	44	80	0	00	29.12	30.06	21	CLR	NC			10.00	41	29	36	62	6	16	29.45	30.41	
24	CLR	NC			10.00		41	41	41	100	0	00	29.14	30.08	24	CLR	NC			10.00	36	30	34	79	3	16	29.45	30.41	
					SUNRISE: 0434 MAY 15					SUNSET: 1913									SUNRISE: 0428 MAY 21				SUNSET: 1919						
03	CLR	NC			10.00		41	40	41	96	0	00	29.13	30.06	03	CLR	NC			10.00	31	28	30	89	0	00	29.47	30.42	
06	CLR	NC			10.00		49	45	47	86	8	16	29.11	30.04	06	CLR	NC			10.00	36	32	34	86	0	00	29.48	30.44	
09	CLR	NC			10.00		63	47	54	56	17	18	29.07	30.01	09	CLR	NC			10.00	50	35	43	57	6	24	29.47	30.43	
12	CLR	NC			10.00		71	47	58	42	18	19	28.98	29.90	12	FEW	NC			10.00	57	33	46	41	5	VR	29.41	30.36	
15	FEW	NC			10.00		74	51	61	45	21	19	28.90	29.83	15	FEW	NC			10.00	60	37	49	42	6	VR	29.36	30.31	
18	FEW	NC			10.00		70	49	58	47	14	21	28.89	29.80	18	CLR	NC			10.00	59	35	48	41	8	20	29.32	30.26	
21	BKN	060			10.00		66	52	58	61	10	20	28.89	29.80	21	CLR	NC			10.00	52	35	44	53	8	18	29.32	30.25	
24	BKN	090			10.00		63	58	60	84	7	VR	28.90	29.81	24	CLR	NC			10.00	48	36	43	63	12	18	29.31	30.25	
					SUNRISE: 0433 MAY 16					SUNSET: 1914									SUNRISE: 0427 MAY 22				SUNSET: 1920						
03	CLR	NC			10.00		61	55	58	81	8	22	28.89	29.80	03	CLR	NC			10.00	42	36	39	79	10	16	29.29	30.22	
06	CLR	NC			10.00		60	55	57	84	8	23	28.89	29.80	06	CLR	NC			9.00	46	38	42	73	12	18	29.31	30.25	
09	OVC	022			10.00		63	56	59	78	6	VR	28.91	29.82	09	CLR	NC			10.00	57	41	49	55	20	18	29.26	30.19	
12	OVC	075			10.00		60	53	56	78	9	34	28.95	29.87	12	OVC	055			10.00	64	45	54	50	16	18	29.20	30.13	
15	BKN	027			8.00		59	54	56	83	14	05	28.99	29.91	15	CLR	NC			10.00	69	48	57	47	20	17	29.08	30.01	
18	OVC	021			8.00		57	51	54	81	8	10	29.04	29.97	18	CLR	NC			10.00	67	46	56	47	22	18	29.01	29.95	
21	BKN	085			6.00	BR	49	48	48	97	3	06	29.12	30.05	21	CLR	NC			10.00	63	45	53	52	12	19	29.04	29.96	
24	OVC	016			10.00		44	40	42	85	12	04	29.18	30.11	24	CLR	NC			10.00	60	46	53	60	15	19	29.00	29.93	
					SUNRISE: 0432 MAY 17					SUNSET: 1915									SUNRISE: 0427 MAY 23				SUNSET: 1921						
03	BKN	095			10.00		37	33	35	86	7	07	29.24	30.18	03	SCT	NC			10.00	58	47	52	67	12	20	28.96	29.87	
06	CLR	NC			8.00		38	34	36	86	6	06	29.26	30.21	06	BKN	100			10.00	58	50	54	75	10	19	28.90	29.82	
09	OVC	033			10.00		43	31	38	63	13	02	29.28	30.23	09	BKN	120			10.00	62	54	57	75	14	22	28.93	29.85	
12	BKN	039			10.00		46	31	40	56	13	03	29.25	30.19	12	OVC	020			10.00	64	59	61	84	12	22	28.91	29.82	
15	SCT	NC			10.00		50	34	43	54	14	02	29.21	30.16	15	OVC	025			7.00	66	60	62	81	10	22	28.88	29.80	
18	FEW	NC			10.00		47	31	40	54	7	07	29.19	30.14	18	FEW	NC			10.00	69	61	64	76	9	22	28.88	29.79	
21	FEW	NC			10.00		40	34	37	79	7	10	29.21	30.16	21	FEW	NC			8.00	65	61	63	87	6	VR	28.92	29.83	
24	CLR	NC			10.00		35	31	33	85	0	00	29.24	30.19	24	CLR	NC			10.00	58	48	53	70	9	33	28.99	29.92	
					SUNRISE: 0431 MAY 18					SUNSET: 1916									SUNRISE: 0426 MAY 24				SUNSET: 1922						
03	CLR	NC			8.00		30	30	30	100	0	00	29.25	30.20	03	CLR	NC			10.00	50	45	47	83	6	32	29.03	29.96	
06	FEW	NC			5.00	BR	33	32	33	96	5	34	29.30	30.25	06	OVC	024			10.00	48	45	47	89	9	07	29.12	30.05	
09	FEW	NC			10.00		45	33	40	63	6	VR	29.31	30.26	09	OVC	021			10.00	47	41	44	80	14	06	29.19	30.12	
12	BKN	070			10.00		49	28	40	45	8	34	29.29	30.24	12	OVC	036			10.00	53	41	47	64	10	01	29.21	30.14	
15	SCT	NC			10.00		54	28	43																				

OBSERVATIONS AT 3-HOURLY INTERVALS

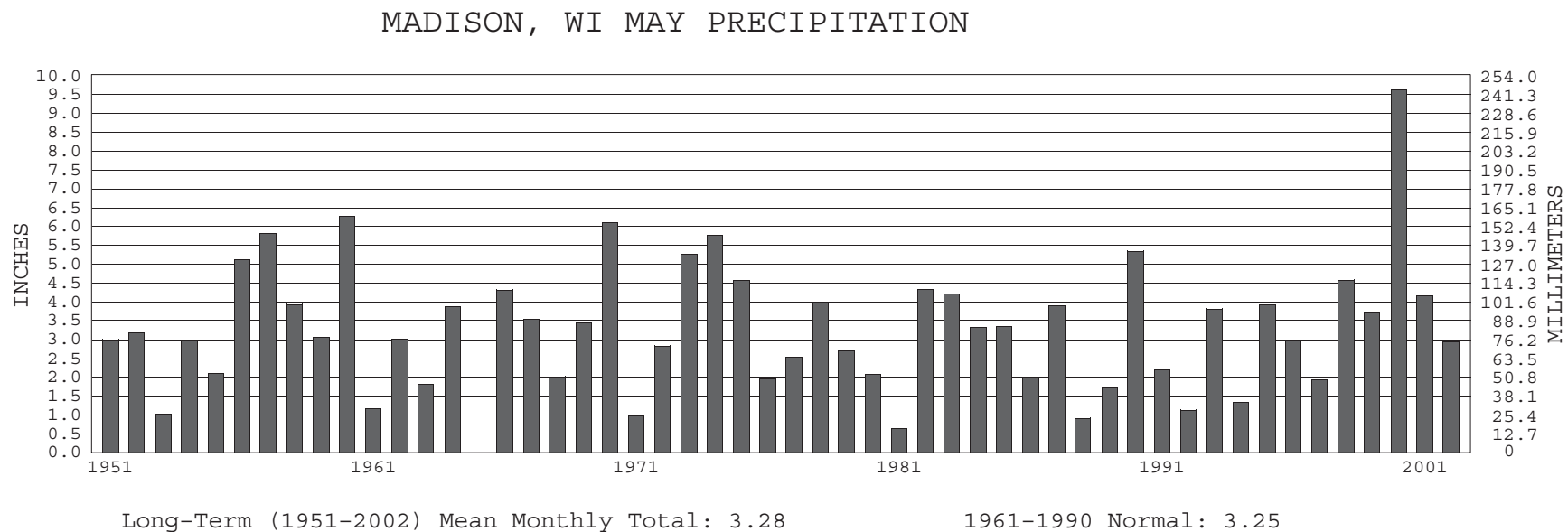
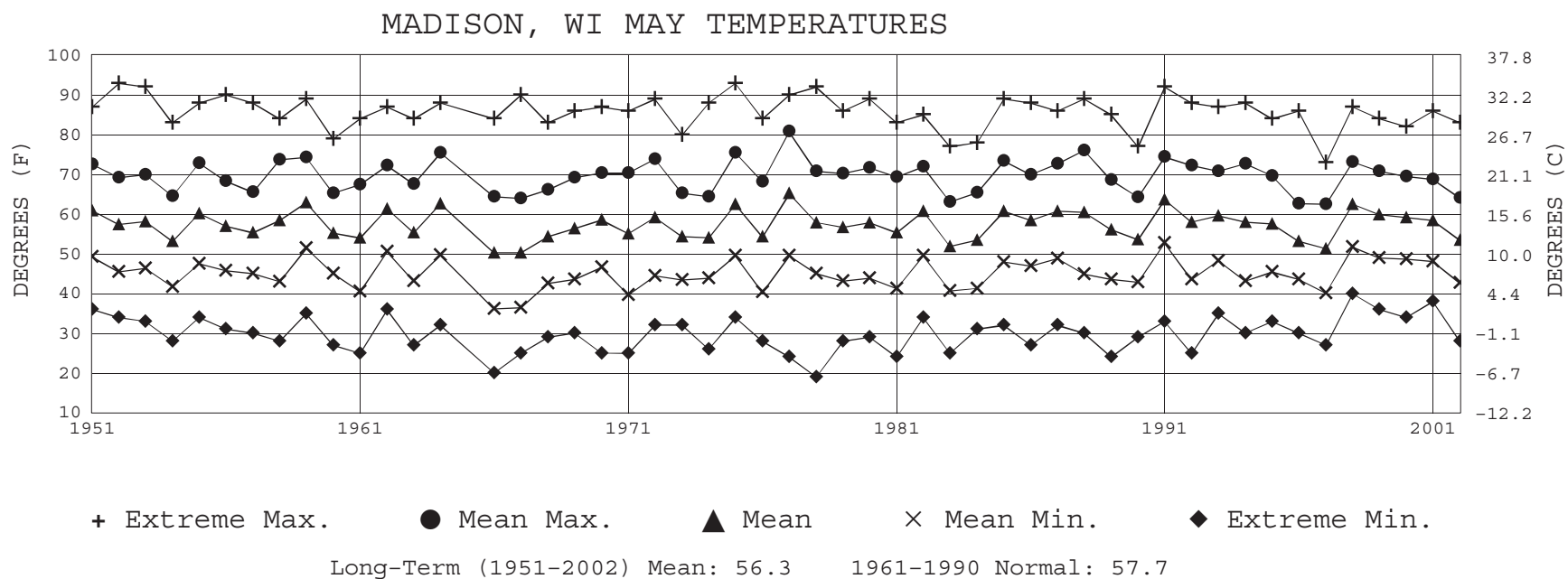
MADISON, WI

MAY 2002

MSN

WBAN # 14837

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 Oktas		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 Oktas		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0425 MAY 25						SUNSET: 1923						SUNRISE: 0421 MAY 31						SUNSET: 1929									
03	OVC	090		10.00	-DZ	43	33	39	68	5	09	29.11	30.04	03	CLR	NC		10.00		70	64	66	82	5	24	28.71	29.61
06	OVC	050		3.00	-RA BR	41	41	41	100	13	04	29.00	29.94	06	CLR	NC		10.00		68	58	62	70	5	VR	28.78	29.69
09	OVC	006		2.50	-RA BR	43	43	43	100	12	36	29.01	29.96	09	CLR	NC		10.00		77	53	63	44	7	32	28.85	29.75
12	OVC	010		10.00		45	44	45	97	10	33	29.02	29.97	12	CLR	NC		10.00		78	52	63	40	8	28	28.87	29.78
15	OVC	016		10.00		47	43	45	86	8	31	29.07	30.01	15	CLR	NC		10.00		79	54	64	42	9	27	28.84	29.75
18	BKN	026		10.00		50	45	47	83	5	31	29.09	30.03	18	CLR	NC		10.00		78	53	63	42	6	26	28.84	29.74
21	CLR	NC		10.00		42	42	42	100	0	00	29.10	30.05	21	CLR	NC		10.00		68	55	60	63	3	VR	28.88	29.78
24	CLR	NC		9.00		43	43	43	100	6	18	29.13	30.08	24	CLR	NC		10.00		58	52	55	81	0	00	28.87	29.78
SUNRISE: 0424 MAY 26						SUNSET: 1924						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 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.															
03	CLR	NC		9.00		46	44	45	93	9	19															29.11	30.05
06	CLR	NC	BR	4.00		50	48	49	93	7	20															29.14	30.08
09	CLR	NC		10.00		63	53	57	70	13	22															29.13	30.06
12	FEW	NC		10.00		70	51	59	51	14	21															29.11	30.04
15	FEW	NC		10.00		72	52	60	50	9	20															29.06	29.99
18	FEW	NC		10.00		71	54	61	55	10	21															29.03	29.96
21	CLR	NC		10.00		63	53	57	70	9	19															29.06	29.99
24	SCT	NC		10.00		60	51	55	72	5	18															29.08	30.00
SUNRISE: 0424 MAY 27						SUNSET: 1925						SUMMARY BY HOUR															
03	FEW	NC		10.00		58	51	54	78	0	00															29.07	29.99
06	CLR	NC		10.00		56	53	54	90	0	00															29.10	30.02
09	CLR	NC		10.00		67	56	60	68	5	18															29.11	30.03
12	FEW	NC		10.00		73	57	63	57	7	21															29.09	30.01
15	FEW	NC		10.00		75	56	64	52	6	12															29.08	29.99
18	FEW	NC		10.00		74	57	64	56	8	13															29.05	29.98
21	CLR	NC		10.00		63	56	59	78	7	11															29.09	30.01
24	CLR	NC		10.00		59	52	55	78	3	12															29.11	30.03
SUNRISE: 0423 MAY 28						SUNSET: 1926						HOUR (LST)															
03	CLR	NC		8.00		51	50	51	96	3	01															29.10	30.02
06	CLR	NC		7.00		58	52	55	81	3	05															29.11	30.03
09	CLR	NC		10.00		71	60	64	68	8	13															29.09	30.01
12	SCT	NC		10.00		78	62	68	58	10	15															29.06	29.98
15	SCT	NC		10.00		78	61	67	56	14	12															28.99	29.90
18	FEW	NC		10.00		76	61	67	60	10	14															28.97	29.88
21	OVC	050		4.00	-TSRA BR	65	65	65	100	10	15															28.97	29.88
24	FEW	NC		4.00	-RA BR	63	63	63	100	5	24															28.96	29.87
SUNRISE: 0422 MAY 29						SUNSET: 1927						AVERAGES															
03	OVC	046		10.00		63	62	62	97	0	00															28.94	29.84
06	FEW	NC		8.00		63	62	62	97	5	19															28.96	29.87
09	SCT	NC		10.00		67	63	64	87	9	22															28.97	29.88
12	SCT	NC		10.00		74	65	68	74	7	VR															28.96	29.87
15	SCT	NC		10.00		77	64	69	64	9	23															28.93	29.83
18	FEW	NC		10.00		76	66	69	72	6	VR															28.90	29.81
21	CLR	NC		10.00		69	63	65	81	3	18															28.92	29.83
24	CLR	NC		9.00		63	63	63	100	5	16															28.92	29.83
SUNRISE: 0422 MAY 30						SUNSET: 1928						RESULTANT WIND (MPH)															
03	CLR	NC		8.00		64	63	63	96	0	00															28.91	29.81
06	CLR	NC	BR	4.00		65	63	64	93	5	18															28.90	29.81
09	CLR	NC		10.00		74	68	70	82	9	22															28.89	29.80
12	SCT	NC		10.00		80	67	71	64	9	19															28.84	29.75
15	SCT	NC		10.00		83	68	73	61	10	23															28.78	29.69
18	FEW	NC		10.00		81	67	72	62	12	22															28.72	29.62
21	FEW	NC		10.00		77	68	71	74	9	22															28.72	29.62
24	CLR	NC		10.00		72	67	69	84	8	22															28.71	29.61





MAY 2002

MADISON, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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