



FEBRUARY 2003

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

FEBRUARY 2003
MADISON, WI

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE												
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0600 LST	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																	
																			5-SEC		2-MIN															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
01	33	29	31	12	28	30	34	0	BR HZ	1		0.0	0.00	28.95	29.90	6.0	18	6.6	15	18	14	16	01													
02	36	32	34	14	31	32	31	0	RA FZRA FZDZ FG+ BR HZ	1		0.0	0.03	28.87	29.82	9.6	08	9.8	28	09	21	09	02													
03	34	29	32	12	30	31	33	0	RA DZ SN BR BLSN	1		1.5	0.15	28.54	29.48	7.2	36	11.1	33	31	22	30	03													
04	29	4	17	-3	4	11	48	0	SN BLSN	2		T	T	28.94	29.91	12.7	30	13.0	33	31	24	30	04													
05	21	-1	10	-10	2	9	55	0	SN	1		T	T	29.22	30.21	5.5	21	7.1	18	18	15	18	05													
06	24	8	16	-4	9	15	49	0	SN HZ	1		0.1	T	29.25	30.23	7.6	31	8.9	20	31	15	32	06													
07	12	-1	6	-14	-4	4	59	0	SN	1		T	T	29.22	30.21	6.4	24	8.1	22	21	15	20	07													
08	27	6	17	-3	7	15	48	0	SN	T		T	T	28.97	29.94	8.3	25	10.0	22	22	16	22	08													
09	17	-3	7	-14	-1	7	58	0		T		0.0	0.00	29.05	30.03	5.7	23	7.0	17	23	14	21	09													
10	22	-2	10	-11	1	9	55	0	SN FZFG BR BLSN	1		1.0	0.04	28.94	29.92	6.0	31	7.9	23	33	18	32	10													
11	25	0	13	-8	1	9	52	0	SN FG+ BLSN	1		4.0	0.25	28.83	29.81	8.1	26	10.8	35*	31	23	31	11													
12	16	-5	6	-15	-7	5	59	0		4		0.0	0.00	29.15	30.13	7.0	27	8.0	25	27	17	26	12													
13	27	5	16	-6	4	13	49	0		2		0.0	0.00	29.19	30.17	3.2	26	3.9	15	26	12	26	13													
14	31	2	17	-5	11	16	48	0	SN	2		T	T	29.16	30.14	7.7	06	8.3	24	04	20	04	14													
15	20	7	14	-8	6	11	51	0	SN	2		0.3	T	29.47	30.45	18.0	03	18.1	31	03	25	03	15													
16	24	3	14	-9	6	11	51	0		2		0.0	0.00	29.47	30.46	9.8	03	10.2	22	01	18	02	16													
17	29	3	16	-7	16	18	49	0	SN BR HZ	0		T	T	29.16	30.14	0.3	19	3.3	15	21	13	18	17													
18	40	22	31	8	24	28	34	0	DZ SN BR HZ	T		T	T	28.99	29.95	8.9	21	9.9	22	26	18	18	18													
19	39	16	28	4	17	25	37	0		T		0.0	0.00	29.22	30.18	5.6	25	6.9	20	27	13	27	19													
20	51*	28	40*	16	23	33	25	0		0		0.0	0.00	29.16	30.11	9.3	21	9.4	25	23	17	21	20													
21	49	27	38	14	23	32	27	0	BR	0		0.0	0.00	28.92	29.86	4.2	19	7.0	21	02	18	02	21													
22	30	15	23	-2	15	21	42	0	SN BR	0		T	T	28.85	29.80	17.4	02	17.8	31	02	25*	01	22													
23	22	5	14	-11	0	11	51	0	SN BR	T		0.1	T	29.09	30.06	9.0	35	9.5	22	01	18	01	23													
24	17	1	9	-17	0	8	56	0	SN BR	T		0.8	0.03	29.34	30.33	7.7	30	8.1	23	29	18	31	24													
25	17	-6*	6*	-20	-6	4	59	0		T		0.0	0.00	29.48	30.49	3.8	21	4.8	18	22	14	17	25													
26	28	0	14	-12	2	12	51	0		T		0.0	0.00	29.23	30.21	4.0	19	4.4	18	16	14	16	26													
27	35	4	20	-7	6	17	45	0	BR HZ	0		0.0	0.00	29.14	30.11	0.6	19	1.2	9	20	8	16	27													
28	39	10	25	-2	12	21	40	0	BR HZ	0		0.0	0.00	29.14	30.11	1.2	21	1.6	10	25	9	25	28													
										28.4		8.5	18.5	■ ■	9.3	16.4	46.3	0.0	< MONTHLY AVERAGES		TOTALS->		7.8	0.50	29.10	30.08	2.1	30	8.3	<- MONTHLY AVERAGES						
										-2.4		-5.8	-4.1	■ ■	<-----DEPARTURE FROM NORMAL----->										- .78		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.25 DATE :11				SEA LEVEL PRESSURE				DATE				TIME															
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 4.0 DATE :11				MAXIMUM				: 30.59				25 0753															
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 4 DATE :12				MINIMUM				: 29.38				03 1653															
HEATING: 1296 93 5559 -56									NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 28				PRECIPITATION ≥ 0.01 INCH : 5															
COOLING: 0 0 0 0									→				MAXIMUM TEMP ≤ 32 :19				MINIMUM TEMP ≤ 0 : 8				PRECIPITATION ≥ 0.10 INCH : 2															
													THUNDERSTORMS : 0				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH : 3															

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MADISON, WI

FEBRUARY 2003

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													01												01		0.00		
02				T	T	T	T	T				0.03	02	T	T										02		0.03		
03			T	T	T	T	T	T					03					T	0.01	0.01	0.01	T	T	T	T	03	0.05	0.15	
04	T		T	T	0.01	T	0.01	T	T	T	T		04	T												04		T	
05													05					T	T		T	T		T	T	05		T	
06	T	T	T	T	T	T	T						06								T	T	T		T	06		T	
07	T	T	T										07													07		T	
08								T	T	T	T	T	08	T	T	T	T									08		T	
09													09													09		0.00	
10		T	0.01	T	T	T	T	T	T	T	T		10													10	0.01	0.04	
11										T	T	T	11			T	0.07	0.01	T	T				T		11	0.08	0.25	
12													12													12		0.00	
13													13													13		0.00	
14													14						T	T						14		T	
15						T	T	T	T	T	T	T	15	T	T	T	T				T	T				15		T	
16													16													16		0.00	
17													17													17		T	
18						T	T	T	T	T	T		18													18		T	
19													19													19		0.00	
20													20													20		0.00	
21													21													21		0.00	
22													22													22		T	
23													23											T	T	23		T	
24	T	T	T	0.01	T			T	T	T	T		24	T	T	T	T									24	0.01	0.03	
25													25													25		0.00	
26													26													26		0.00	
27													27													27		0.00	
28													28													28		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)	.01	.02	.03	.03	.04	.06	.07	.08	.08	.08	.08	.08
Ending Date	24	11	11	11	11	11	11	11	11	11	11	11
Ending Time (Hour/Min)	0306	1546	1546	1559	1559	1559	1559	1559	1559	1559	1559	1559

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less

BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971–2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '- ' = Light

MADISON, WI FEBRUARY 2003

Ceilorometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

Note: 2002 LCD Annual, the element "Normal Dry Bulb" was not updated using the 1971–2000 Normals. Correction will be made in the 2003 LCD Annual.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							1.50	6.00	
02							.13	4.00	
03							1.00	5.00	
04							5.00	10.00	
05							8.00	10.00	
06							5.00	10.00	
07							7.00	10.00	
08							3.00	10.00	
09							10.00	10.00	
10							.50	10.00	
11							.25	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							3.00	10.00	
15							2.00	10.00	
16							10.00	10.00	
17							.50	10.00	
18							1.50	10.00	
19							9.00	10.00	
20							10.00	10.00	
21							4.00	10.00	
22							4.00	10.00	
23							2.50	10.00	
24							2.50	10.00	
25							10.00	10.00	
26							7.00	10.00	
27							5.00	10.00	
28							5.00	10.00	
MONTHLY AVGS							4.98	9.46	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH: SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 28									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 2 12 10									

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

FEBRUARY 2003

MSN

WBAN # 14837

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0713					FEB 01				SUNSET: 1709				SUNRISE: 0706					FEB 07				SUNSET: 1717							
03	OVC	019	5.00	HZ	30	25	28	82	0	00	29.02	29.97	03	CLR	NC	10.00	3	-2	2	79	5	30	29.31	30.30					
06	OVC	019	5.00	HZ	30	25	28	82	0	00	29.00	29.96	06	SCT	NC	10.00	1	-4	0	79	6	30	29.31	30.30					
09	OVC	013	4.00	HZ	30	25	28	82	7	21	28.99	29.95	09	CLR	NC	10.00	1	-6	0	72	6	28	29.31	30.30					
12	OVC	009	3.00	BR	31	28	30	89	10	19	28.96	29.91	12	FEW	NC	10.00	8	-6	6	52	12	25	29.26	30.25					
15	OVC	007	2.00	BR	32	29	31	88	12	16	28.91	29.85	15	CLR	NC	10.00	11	-5	8	48	10	22	29.17	30.16					
18	OVC	007	2.50	BR	32	30	31	92	8	17	28.91	29.85	18	CLR	NC	10.00	8	-5	6	55	7	23	29.14	30.13					
21	OVC	001	1.50	BR	32	31	32	96	8	16	28.90	29.85	21	CLR	NC	10.00	8	-3	6	60	12	21	29.10	30.09					
24	OVC	003	2.00	BR	32	31	32	96	6	16	28.87	29.81	24	CLR	NC	10.00	9	-1	7	64	14	21	29.02	30.01					
SUNRISE: 0712					FEB 02				SUNSET: 1711				SUNRISE: 0705					FEB 08				SUNSET: 1719							
03	VV	001	0.25	FG	32	30	31	92	3	06	28.87	29.82	03	CLR	NC	10.00	12	3	10	67	14	21	28.95	29.92					
06	VV	001	0.25	FG	32	31	32	96	7	07	28.89	29.83	06	OVC	070	10.00	14	8	13	77	14	22	28.90	29.87					
09	VV	001	0.25	FG	32	31	32	96	6	05	28.94	29.89	09	OVC	016	6.00	-SN	18	12	16	77	9	23	28.93	29.90				
12	OVC	003	1.25	-RA BR	34	31	33	89	12	08	28.88	29.83	12	BKN	020	7.00	-SN	25	17	22	72	9	29	28.92	29.89				
15	OVC	005	2.00	HZ	36	31	34	82	12	08	28.89	29.83	15	OVC	037	9.00	-SN	26	13	22	57	14	27	28.92	29.88				
18	OVC	011	4.00	BR	34	31	33	89	15	08	28.87	29.81	18	CLR	NC	10.00	21	8	18	57	8	28	28.99	29.96					
21	OVC	007	3.00	BR	33	31	32	92	14	09	28.85	29.80	21	CLR	NC	10.00	14	0	11	53	9	29	29.08	30.05					
24	OVC	007	3.00	BR	33	31	32	92	17	08	28.75	29.69	24	CLR	NC	10.00	7	-6	5	55	8	28	29.15	30.13					
SUNRISE: 0711					FEB 03				SUNSET: 1712				SUNRISE: 0703					FEB 09				SUNSET: 1720							
03	OVC	005	1.25	-DZ BR	33	31	32	92	10	10	28.65	29.59	03	CLR	NC	10.00	2	-8	0	63	5	29	29.18	30.16					
06	OVC	005	1.75	-DZ BR	33	31	32	92	8	04	28.60	29.54	06	CLR	NC	10.00	-1	-9	-2	68	3	VR	29.16	30.15					
09	OVC	003	1.25	-DZ BR	33	31	32	92	9	02	28.57	29.50	09	CLR	NC	10.00	2	-7	1	66	5	VR	29.16	30.14					
12	OVC	003	1.00	-DZ BR	33	31	32	92	13	01	28.52	29.46	12	CLR	NC	10.00	11	-4	8	51	12	21	29.11	30.09					
15	OVC	003	1.50	BR	32	31	32	96	9	35	28.47	29.40	15	BKN	050	10.00	16	1	13	51	12	22	29.00	29.98					
18	OVC	012	1.50	-SNDZ BR	32	30	31	92	10	32	28.45	29.39	18	BKN	048	10.00	17	6	14	62	10	20	28.95	29.93					
21	OVC	013	1.50	-SN BR	29	27	28	92	10	31	28.47	29.41	21	CLR	NC	10.00	15	8	13	74	8	20	28.88	29.86					
24	OVC	024	5.00	-SN BLSN BR	29	23	27	78	15	31	28.53	29.47	24	BKN	070	10.00	17	11	15	77	8	20	28.82	29.79					
SUNRISE: 0710					FEB 04				SUNSET: 1713				SUNRISE: 0702					FEB 10				SUNSET: 1721							
03	OVC	017	6.00	-SN BLSN	22	16	20	78	17	30	28.65	29.60	03	OVC	080	3.00	-SN BR	20	18	19	92	8	22	28.75	29.72				
06	OVC	060	10.00		17	10	15	74	14	30	28.75	29.70	06	OVC	020	4.00	-SN	21	15	19	78	13	31	28.76	29.72				
09	OVC	022	7.00	-SN	13	6	11	74	18	30	28.86	29.82	09	OVC	042	10.00		12	1	10	61	12	32	28.88	29.85				
12	SCT	NC	10.00		12	1	10	61	17	30	28.94	29.90	12	SCT	NC	10.00		10	-2	8	58	13	33	28.99	29.97				
15	SCT	NC	10.00		13	1	10	59	16	30	29.01	29.98	15	FEW	NC	10.00		10	-7	7	45	10	30	29.03	30.01				
18	CLR	NC	10.00		9	-2	7	61	9	31	29.10	30.09	18	CLR	NC	10.00		5	-11	3	47	6	31	29.07	30.04				
21	CLR	NC	10.00		6	-4	4	63	7	32	29.21	30.20	21	CLR	NC	10.00		-1	-10	-2	65	0	00	29.07	30.06				
24	CLR	NC	10.00		4	-4	3	69	5	28	29.23	30.22	24	CLR	NC	10.00		2	-11	0	54	3	VR	29.03	30.02				
SUNRISE: 0708					FEB 05				SUNSET: 1715				SUNRISE: 0701					FEB 11				SUNSET: 1723							
03	CLR	NC	10.00		2	-5	1	72	5	28	29.25	30.24	03	BKN	110	10.00		0	-12	-1	57	7	25	28.98	29.96				
06	CLR	NC	10.00		1	-5	0	75	5	28	29.26	30.25	06	BKN	085	10.00		1	-11	-1	56	7	21	28.89	29.87				
09	BKN	065	10.00		5	-2	4	72	5	23	29.28	30.27	09	OVC	013	1.00	-SN	4	-1	3	80	12	21	28.80	29.78				
12	OVC	070	10.00		14	0	11	53	7	VR	29.26	30.25	12	FEW	NC	10.00		18	9	16	68	13	23	28.72	29.69				
15	OVC	060	10.00		17	4	14	56	13	18	29.20	30.19	15	VV	010	0.50	-SN	23	18	21	81	9	26	28.62	29.59				
18	OVC	044	10.00		18	6	15	60	13	18	29.17	30.16	18	OVC	020	3.00	-SN BLSN	17	6	14	62	18	31	28.75	29.72				
21	OVC	050	10.00		20	8	17	60	7	20	29.16	30.14	21	CLR	NC	10.00		13	1	10	59	17	30	28.91	29.88				
24	OVC	024	8.00	-SN	21	11	18	65	8	21	29.16	30.13	24	FEW	NC	10.00		9	-4	7	55	12	28	29.01	29.99				
SUNRISE: 0707					FEB 06				SUNSET: 1716				SUNRISE: 0660					FEB 12				SUNSET: 1724							
03	OVC	024	10.00		24	16	22	71	7	23	29.14	30.11	03	CLR	NC	10.00		3	-8	1	60	9	28	29.09	30.07				
06	OVC	016	5.00	-SN	24	19	22	81	8	30	29.16	30.13	06	CLR	NC	10.00		-2	-13	-3	59	6	29	29.13	30.12				
09	SCT	NC	7.00		16	9	14	74	13	32	29.26	30.23	09	CLR	NC	10.00		0	-11	-1	59	7	VR	29.18	30.16				
12	FEW	NC	10.00		18	7	15	62	12	32	29.28	30.26	12	CLR	NC	10.00		8	-8	5	47	13	27	29.15	30.13				
15	SCT	NC	10.00		19	5	16	54	10	33	29.27	30.24	15	CLR	NC	10.00		15	-5	11	40	9	27	29.12	30.11				
18	OVC	030	10.00		14	5	12	67	7	32	29.32	30.30	18	CLR	NC	10.00		12	-4	9	48	6	27	29.15	30.14				
21	OVC	030	9.00	-SN	13	3	11	64	6	31	29.33	30.31	21	CLR	NC	10.00		11	-4	8	51	8	27	29.17	30.16				
24	BKN	040	8.00	-SN	8	1	7	73	8	31	29.33	30.31	24	BKN	095	10.00		9	-3	7	58	0	00	29.20	30.19				

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

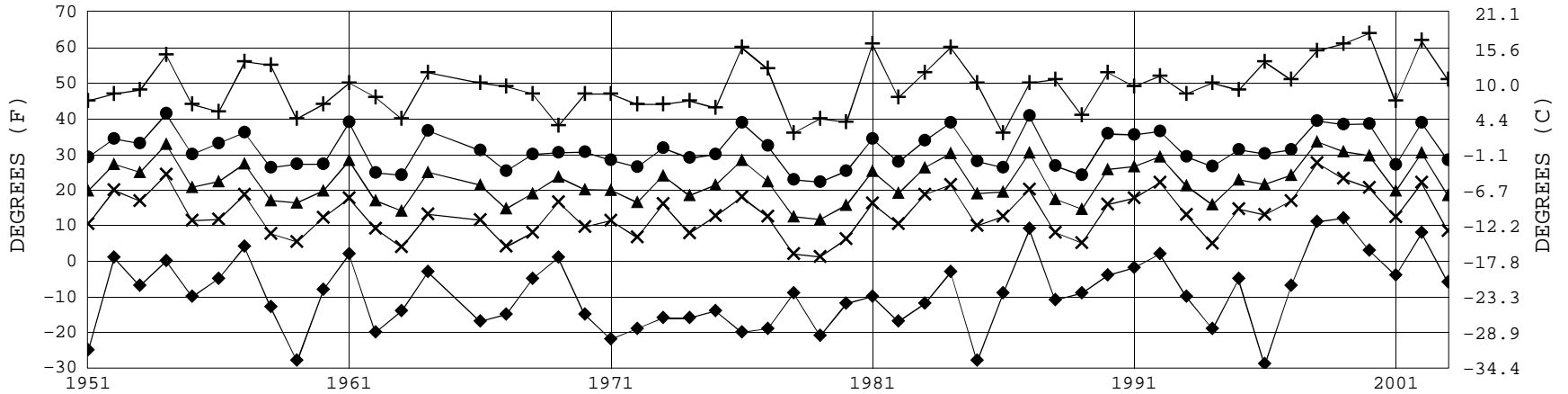
FEBRUARY 2003

MSN

WBAN # 14837

HOUR (LST)	SATellite		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATellite		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0658 FEB 13					SUNSET: 1725					SUNRISE: 0650 FEB 19					SUNSET: 1733														
03	FEW	NC	10.00		10	-1	8	61	0	00	29.21	30.19	03	CLR	NC	10.00		21	11	18	65	7	29	29.15	30.11				
06	OVC	050	10.00		10	0	8	63	5	21	29.15	30.14	06	CLR	NC	10.00		18	11	16	74	5	26	29.18	30.15				
09	OVC	048	10.00		14	4	12	64	7	26	29.22	30.20	09	CLR	NC	10.00		22	13	19	68	5	VR	29.23	30.19				
12	CLR	NC	10.00		20	5	16	52	9	26	29.21	30.19	12	CLR	NC	10.00		31	15	26	52	7	VR	29.25	30.22				
15	CLR	NC	10.00		25	9	20	50	6	24	29.19	30.16	15	CLR	NC	10.00		39	19	32	45	7	24	29.22	30.19				
18	CLR	NC	10.00		21	10	18	62	0	00	29.19	30.17	18	CLR	NC	10.00		35	21	30	57	6	22	29.24	30.20				
21	CLR	NC	10.00		12	5	10	73	0	00	29.19	30.17	21	CLR	NC	10.00		33	23	29	67	7	21	29.26	30.23				
24	CLR	NC	10.00		7	4	6	87	0	00	29.17	30.15	24	CLR	NC	10.00		31	20	27	64	8	22	29.27	30.23				
SUNRISE: 0657 FEB 14					SUNSET: 1727					SUNRISE: 0648 FEB 20					SUNSET: 1735														
03	CLR	NC	10.00		3	0	2	87	0	00	29.17	30.15	03	CLR	NC	10.00		28	20	25	72	7	20	29.25	30.21				
06	CLR	NC	10.00		3	0	2	87	0	00	29.17	30.15	06	CLR	NC	10.00		29	19	26	66	8	19	29.23	30.19				
09	SCT	NC	10.00		17	5	14	59	6	09	29.15	30.13	09	CLR	NC	10.00		37	19	31	48	12	21	29.21	30.16				
12	SCT	NC	10.00		27	16	24	63	12	10	29.12	30.10	12	CLR	NC	10.00		47	23	37	39	12	21	29.17	30.12				
15	CLR	NC	10.00		31	20	27	64	14	07	29.09	30.07	15	CLR	NC	10.00		51	27	41	39	13	22	29.09	30.03				
18	OVC	022	8.00	-SN	28	21	26	75	15	08	29.14	30.12	18	CLR	NC	10.00		46	25	38	44	10	20	29.08	30.03				
21	OVC	047	10.00		23	16	21	74	14	05	29.20	30.17	21	CLR	NC	10.00		39	25	34	57	8	20	29.08	30.03				
24	FEW	NC	10.00		20	13	18	74	20	04	29.25	30.22	24	CLR	NC	10.00		35	24	31	64	7	18	29.05	30.00				
SUNRISE: 0655 FEB 15					SUNSET: 1728					SUNRISE: 0647 FEB 21					SUNSET: 1736														
03	CLR	NC	10.00		15	7	13	70	17	03	29.30	30.27	03	CLR	NC	10.00		30	24	28	79	6	18	29.03	29.98				
06	OVC	024	9.00	-SN	11	4	9	73	22	02	29.38	30.36	06	CLR	NC	10.00		31	24	28	76	8	18	28.99	29.94				
09	OVC	024	4.00	-SN	11	5	10	77	16	03	29.47	30.46	09	CLR	NC	10.00		34	24	30	67	7	19	28.96	29.90				
12	SCT	NC	9.00	-SN	15	7	13	70	18	04	29.49	30.48	12	CLR	NC	10.00		45	24	37	44	10	20	28.92	29.86				
15	BKN	020	8.00	-SN	15	7	13	70	18	03	29.50	30.49	15	FEW	NC	10.00		49	22	38	35	8	19	28.81	29.74				
18	CLR	NC	10.00		11	5	10	77	16	03	29.56	30.55	18	FEW	NC	10.00		44	19	35	37	5	20	28.86	29.80				
21	CLR	NC	10.00		9	4	8	80	17	03	29.58	30.58	21	FEW	NC	10.00		30	21	27	69	0	00	28.83	29.78				
24	CLR	NC	10.00		7	2	6	80	14	03	29.55	30.54	24	OVC	007	4.00	BR	30	27	29	88	15	01	28.86	29.80				
SUNRISE: 0654 FEB 16					SUNSET: 1729					SUNRISE: 0645 FEB 22					SUNSET: 1737														
03	CLR	NC	10.00		4	0	3	83	9	03	29.55	30.55	03	OVC	005	5.00	BR	25	23	24	92	20	03	28.85	29.79				
06	CLR	NC	10.00		5	0	4	79	12	01	29.56	30.56	06	OVC	011	10.00		23	19	22	85	17	03	28.86	29.80				
09	CLR	NC	10.00		11	5	10	77	15	04	29.54	30.54	09	OVC	017	9.00	-SN	23	17	21	78	16	03	28.87	29.83				
12	CLR	NC	10.00		20	11	17	68	12	04	29.50	30.49	12	OVC	019	10.00		25	15	22	66	21	01	28.82	29.78				
15	CLR	NC	10.00		23	13	20	65	14	03	29.43	30.42	15	OVC	025	10.00		24	13	21	62	20	01	28.77	29.73				
18	CLR	NC	10.00		16	9	14	74	7	01	29.38	30.38	18	OVC	045	10.00		22	12	19	66	23	01	28.84	29.80				
21	CLR	NC	10.00		11	7	10	84	7	33	29.38	30.37	21	OVC	041	10.00		20	10	17	65	14	36	28.87	29.83				
24	CLR	NC	10.00		8	4	7	83	7	03	29.34	30.32	24	SCT	NC	10.00		15	5	13	64	17	02	28.91	29.87				
SUNRISE: 0653 FEB 17					SUNSET: 1731					SUNRISE: 0643 FEB 23					SUNSET: 1738														
03	CLR	NC	10.00		5	2	4	87	6	34	29.27	30.25	03	CLR	NC	10.00		10	1	8	67	9	34	28.96	29.93				
06	OVC	002	1.50	BR	11	9	10	92	0	00	29.25	30.23	06	CLR	NC	10.00		7	-1	5	70	7	34	29.03	30.01				
09	OVC	002	0.50	-SN BR	19	17	18	92	6	07	29.22	30.20	09	CLR	NC	10.00		10	-2	8	58	12	35	29.08	30.06				
12	OVC	004	5.00	BR	23	20	22	88	0	00	29.20	30.18	12	CLR	NC	10.00		18	-4	13	37	9	02	29.13	30.10				
15	BKN	010	8.00		27	22	25	81	3	26	29.10	30.08	15	CLR	NC	10.00		21	-3	16	34	8	34	29.10	30.08				
18	CLR	NC	4.00	BR	25	21	24	85	3	28	29.07	30.05	18	FEW	NC	10.00		19	-1	15	41	9	34	29.13	30.11				
21	OVC	007	3.00	BR	19	17	18	92	3	18	29.05	30.02	21	OVC	085	10.00		17	-1	13	45	6	35	29.18	30.16				
24	OVC	005	2.50	BR	25	24	25	96	7	19	29.01	29.98	24	OVC	040	2.50	-SN BR	13	9	12	84	7	36	29.18	30.16				
SUNRISE: 0651 FEB 18					SUNSET: 1732					SUNRISE: 0642 FEB 24					SUNSET: 1740														
03	OVC	005	3.00	BR	23	21	22	92	8	19	28.99	29.95	03	OVC	023	3.00	-SN BR	13	9	12	84	5	31	29.19	30.17				
06	OVC	005	3.00	BR	23	21	22	92	9	19	28.98	29.94	06	CLR	NC	10.00		8	3	7	80	7	29	29.21	30.19				
09	OVC	007	2.50	BR	25	22	24	88	8	22	28.99	29.96	09	OVC	029	5.00	-SN	10	3	9	73	10	31	29.29	30.27				
12	FEW	NC	7.00		34	26	31	73	9	22	28.99	29.94	12	BKN	028	10.00		13	-1	10	54	12	30	29.33	30.32				
15	BKN	095	10.00		40	29	35	65	13	19	28.96	29.91	15	OVC	033	8.00	-SN	14	1	11	56	14	30	29.36	30.34				
18	CLR	NC	7.00		37	28	34	70	6	21	28.95	29.90	18	SCT	NC	10.00		9	-5	6	52	6	29	29.42	30.42				
21	FEW	NC	7.00		36	30	34	79	10	23	28.99	29.95	21	CLR	NC	10.00		4	-6	2	63	7	VR	29.48	30.48				
24	CLR	NC	10.00		27	15	23	61	10	26	29.08	30.04	24	CLR	NC	10.00		1	-9	0	62	3	28	29.53	30.53				

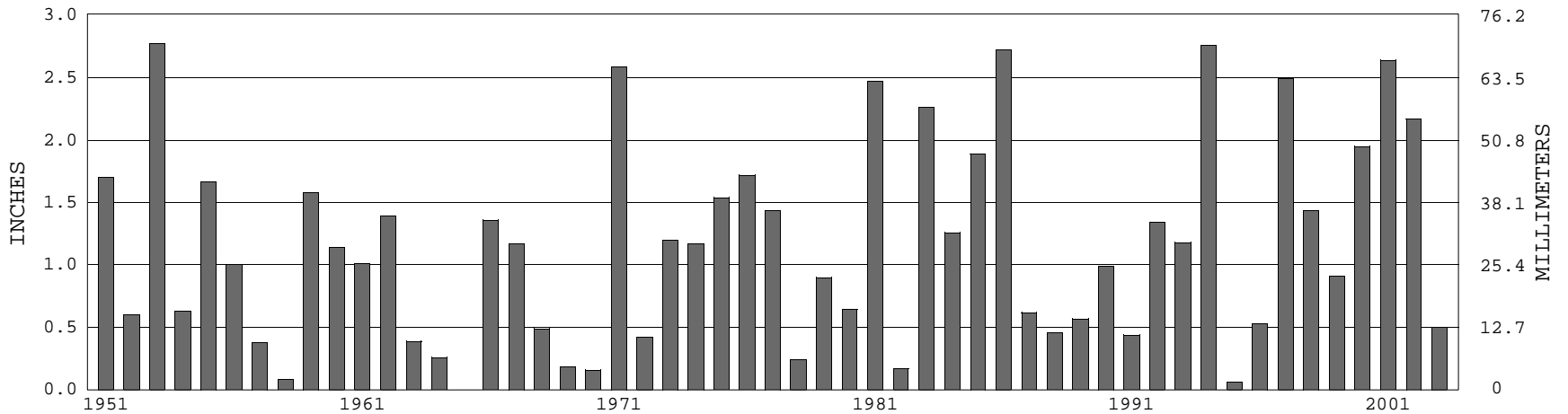
MADISON, WI FEBRUARY TEMPERATURES



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

Long-Term (1951-2003) Mean: 21.8 1961-1990 Normal: 22.6

MADISON, WI FEBRUARY PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 1.16

1961-1990 Normal: 1.28



FEBRUARY 2003

MADISON, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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