



JANUARY 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

JANUARY 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	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
01	26	17	22	4	15	20	43	0			0.0	0.00	29.18	30.15	12.8	02	13.0	24	02	21	02	01		
02	30	23	27	9	19	24	38	0	SN		T	T	29.15	30.12	12.1	02	12.6	24	01	22	01	02		
03	32	10	21	3	9	18	44	0			0.0	0.00	29.12	30.09	2.4	31	2.8	13	33	10	33	03		
04	34	11	23	5	19	24	42	0	SN BR HZ		0.6	0.02	29.00	29.96	5.8	16	6.1	16	16	14	17	04		
05	32	29	31	13	28	30	34	0	SN BR		0.5	0.04	29.04	29.99	3.5	33	4.4	17	36	13	36	05		
06	33	23	28	11	19	26	37	0	BR		0.0	0.00	29.40	30.37	6.3	31	8.3	22	32	17	32	06		
07	47	27	37	20	26	33	28	0	HZ		0.0	0.00	28.91	29.86	7.9	25	8.8	22	26	15	26	07		
08	54*	30	42*	25	27	37	23	0			0.0	0.00	28.57	29.49	6.8	27	8.2	29	27	17	30	08		
09	43	22	33	16	21	29	32	0	SN BLSN		T	T	28.70	29.64	9.7	29	10.5	29	21	21	32	09		
10	23	9	16	-1	3	14	49	0	SN		T	T	29.02	29.99	11.1	29	11.3	29	31	22	31	10		
11	16	4	10	-7	-1	8	55	0			0.0	0.00	29.27	30.26	8.4	29	9.4	22	28	17	31	11		
12	32	7	20	3	5	17	45	0			0.0	0.00	29.23	30.21	7.0	22	8.5	23	30	18	19	12		
13	27	9	18	1	-1	12	47	0	SN		T	T	29.27	30.25	6.9	31	8.3	28	32	21	32	13		
14	16	4	10	-7	-2	8	55	0	SN		T	T	29.32	30.31	7.6	29	8.2	22	28	16	27	14		
15	24	1	13	-3	-2	8	52	0			0.0	0.00	29.39	30.38	4.4	28	5.6	16	31	13	30	15		
16	25	11	18	1	0	13	47	0			0.0	0.00	29.25	30.23	5.5	31	6.8	26	36	21	36	16		
17	18	4	11	-6	-1	9	54	0			0.0	0.00	29.29	30.28	4.4	28	8.0	20	22	16	22	17		
18	21	5	13	-4	4	11	52	0	SN BLSN		T	T	28.94	29.91	6.8	27	8.4	22	30	17	31	18		
19	26	2	14	-3	5	11	51	0	SN		0.2	T	28.87	29.84	6.5	25	8.4	24	24	16	26	19		
20	15	6	11	-6	-6	7	54	0			0.0	0.00	29.12	30.10	6.2	31	6.6	20	32	15	33	20		
21	14	-1	7	-10	-9	4	58	0			0.0	0.00	29.32	30.31	6.3	31	7.0	18	34	14	33	21		
22	10	-2	4	-13	-9	2	61	0			0.0	0.00	29.45	30.45	8.9	32	9.2	22	32	16	32	22		
23	8	-9	0*	-17	-14	-2	65	0			0.0	0.00	29.58	30.59	8.6	31	9.2	21	33	16	32	23		
24	15	-2	7	-10	-3	6	58	0	SN		0.1	T	29.44	30.44	5.6	23	6.6	20	23	14	19	24		
25	27	11	19	2	8	16	46	0	SN BR		0.3	0.02	29.19	30.17	5.7	27	9.2	23	33	16	33	25		
26	13	-7	3	-14	-10	2	62	0			0.0	0.00	29.46	30.46	7.1	32	7.7	21	31	16	32	26		
27	20	-9*	6	-11	-2	7	59	0	SN		T	T	29.29	30.28	10.8	18	11.1	30*	19	24*	18	27		
28	28	19	24	6	16	23	41	0	SN BR HZ		0.5	0.06	29.09	30.06	2.3	30	5.7	20	34	15	34	28		
29	23	3	13	-5	6	13	52	0			0.0	0.00	29.38	30.36	4.0	35	5.6	13	01	10	01	29		
30	31	15	23	5	17	22	42	0	SN BR HZ		0.5	0.05	29.17	30.13	10.2	19	10.6	24	18	21	18	30		
31	35	29	32	14	28	31	33	0	SN BR HZ		1.7	0.17	28.93	29.88	0.8	28	6.6	16	01	13	35	31		
25.7		9.7	17.7	■ ■	6.9	15.6	47.1	0.0	< MONTHLY AVERAGES		TOTALS->		4.4	0.36	29.17	30.15	4.3	29	8.2	<- MONTHLY AVERAGES				
0.5		0.4	0.4	■ ■	<-----DEPARTURE FROM NORMAL----->										- .89		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.17 DATE :31				SEA LEVEL PRESSURE				DATE		TIME					
MONTHLY									GREATEST 24-HR SNOWFALL: 1.7 DATE :31				MAXIMUM				: 30.63		23 1053					
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 2 DATE : 31				MINIMUM				: 29.33		08 1353					
SEASON TO DATE									NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 31				PRECIPITATION ≥ 0.01 INCH : 6			
HEATING: 1459 -31													MAXIMUM TEMP ≤ 32 : 25				MINIMUM TEMP ≤ 0 : 6				PRECIPITATION ≥ 0.10 INCH : 1			
COOLING: 0 0													THUNDERSTORMS : 0				HEAVY FOG : 0				SNOWFALL ≥ 1.0 INCH : 1			

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MADISON, WI

JANUARY 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													02												02			T	
03													03												03			0.00	
04													04												04			0.02	
05	T	T	T	0.01	T			T	0.01	0.01	T	T	05	T	T	T	T	T	T	0.01	0.01	T	T	05			0.04		
06													06												06			0.00	
07													07												07			0.00	
08													08												08			0.00	
09													09	T	T									T	09			T	
10													10	T	T	T	T							T	10			T	
11													11												11			0.00	
12													12												12			0.00	
13													13												13			T	
14	T	T	T	T									14												14			T	
15													15												15			0.00	
16													16												16			0.00	
17													17												17			0.00	
18													18	T	T	T	T							T	18			T	
19													19												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			T	
25	T	T											25												25	T		0.02	
26													26												26			0.00	
27													27												27			T	
28													28	0.02	0.02	0.03	T	T	T					28		0.07	0.06		
29													29												29			0.00	
30													30												30			0.05	
31	T	0.01	T	T	0.02	0.01	0.01	T	T	T	T	0.01	31												31	0.02	0.06	0.17	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

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

Date and time are not entered for TRACE amounts.

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

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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

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

MADISON, WI JANUARY 2003

Ceilometer (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:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							7.00	10.00	
03							10.00	10.00	
04							1.00	10.00	
05							.75	4.00	
06							4.00	10.00	
07							5.00	10.00	
08							10.00	10.00	
09							2.00	10.00	
10							2.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							6.00	10.00	
14							4.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							1.50	10.00	
19							8.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							2.00	10.00	
25							1.50	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							.75	10.00	
29							10.00	10.00	
30							.75	10.00	
31							.75	6.00	
MONTHLY AVGS							6.79	9.68	
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 8 19									

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI JANUARY 2003

MSN

WBAN # 14837

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL											
SUNRISE: 0729 JAN 01 SUNSET: 1633																																
03	CLR	NC				10.00		18	11	16	74	12	01	29.16	30.13	03	OVC	100					10.00		28	21	26	75	9	24	29.18	30.14
06	CLR	NC				10.00		18	11	16	74	13	02	29.18	30.15	06	OVC	090					10.00		28	22	26	78	7	VR	29.07	30.03
09	CLR	NC				10.00		20	14	18	78	12	03	29.19	30.16	09	SCT	NC				5.00	HZ	30	24	28	79	9	24	28.99	29.96	
12	OVC	016				10.00		24	17	22	75	15	01	29.19	30.16	12	FEW	NC				10.00		39	27	34	62	9	24	28.88	29.83	
15	OVC	018				10.00		25	18	23	75	17	36	29.18	30.15	15	CLR	NC				10.00		44	28	37	53	8	24	28.76	29.70	
18	OVC	020				10.00		24	18	22	77	16	01	29.20	30.17	18	CLR	NC				10.00		46	29	39	51	9	27	28.75	29.69	
21	OVC	020				10.00		24	17	22	75	16	02	29.19	30.16	21	CLR	NC				10.00		45	29	38	54	8	28	28.75	29.69	
24	OVC	018				10.00		25	18	23	75	13	01	29.17	30.14	24	CLR	NC				10.00		44	30	38	58	8	27	28.73	29.66	
SUNRISE: 0729 JAN 02 SUNSET: 1634																																
03	OVC	018				10.00		26	20	24	78	15	04	29.15	30.12	03	CLR	NC				10.00		41	30	36	65	5	VR	28.76	29.69	
06	OVC	027				10.00		25	18	23	75	13	05	29.17	30.13	06	CLR	NC				10.00		39	29	35	67	0	00	28.71	29.65	
09	OVC	031				10.00		25	20	23	81	13	01	29.18	30.15	09	CLR	NC				10.00		37	29	34	73	3	VR	28.64	29.57	
12	OVC	018				10.00		28	20	25	72	15	03	29.14	30.11	12	CLR	NC				10.00		47	30	40	52	10	21	28.48	29.40	
15	OVC	023				10.00		28	20	25	72	16	02	29.11	30.08	15	CLR	NC				10.00		53	27	42	37	13	27	28.43	29.35	
18	OVC	031				10.00		26	21	24	81	10	01	29.14	30.10	18	CLR	NC				10.00		48	26	39	42	13	27	28.46	29.38	
21	OVC	019				7.00	-SN	24	19	22	81	12	36	29.14	30.11	21	CLR	NC				10.00		47	22	37	37	9	27	28.48	29.40	
24	BKN	033				10.00		24	15	21	68	8	34	29.12	30.09	24	CLR	NC				10.00		43	21	35	42	10	30	28.54	29.46	
SUNRISE: 0729 JAN 03 SUNSET: 1635																																
03	BKN	027				10.00		20	9	17	62	6	34	29.12	30.09	03	CLR	NC				10.00		37	25	32	62	9	30	28.60	29.52	
06	CLR	NC				10.00		16	9	14	74	0	00	29.13	30.11	06	CLR	NC				10.00		34	25	31	70	8	27	28.60	29.53	
09	CLR	NC				10.00		19	10	17	68	3	31	29.17	30.14	09	BKN	060				10.00		34	26	31	73	10	27	28.60	29.54	
12	CLR	NC				10.00		28	10	23	47	7	29	29.12	30.09	12	OVC	027				7.00	-SN	35	25	31	67	9	28	28.63	29.57	
15	CLR	NC				10.00		32	8	25	36	8	30	29.09	30.06	15	OVC	033				10.00		35	22	30	59	14	29	28.68	29.62	
18	CLR	NC				10.00		26	7	21	44	0	00	29.11	30.09	18	OVC	048				10.00		30	15	25	54	12	34	28.81	29.76	
21	CLR	NC				10.00		18	9	16	68	0	00	29.10	30.07	21	FEW	NC				10.00		25	13	21	60	9	31	28.89	29.84	
24	CLR	NC				10.00		12	8	11	84	3	28	29.09	30.06	24	FEW	NC				10.00		22	8	18	55	6	31	28.90	29.85	
SUNRISE: 0729 JAN 04 SUNSET: 1636																																
03	OVC	070				10.00		16	11	15	80	0	00	29.07	30.03	03	FEW	NC				10.00		21	4	17	47	14	29	28.92	29.87	
06	CLR	NC				10.00		20	12	18	71	3	11	29.03	30.00	06	SCT	NC				10.00		19	4	15	52	9	30	28.93	29.88	
09	CLR	NC				9.00		23	17	21	78	8	17	29.04	30.01	09	BKN	065				10.00		19	4	15	52	13	30	28.98	29.93	
12	CLR	NC				8.00		30	21	27	69	10	16	28.98	29.94	12	OVC	039				10.00	-SN	19	5	16	54	16	30	29.00	29.97	
15	BKN	065				8.00		34	23	30	64	9	18	28.94	29.90	15	BKN	043				6.00	-SN	17	6	14	62	13	29	29.03	30.01	
18	OVC	020				3.00	-SN	31	25	29	79	8	16	28.96	29.91	18	FEW	NC				10.00	-SN	14	2	11	58	10	28	29.10	30.07	
21	OVC	011				1.50	-SN	29	27	28	92	5	16	28.96	29.92	21	CLR	NC				10.00		11	-1	9	58	12	29	29.14	30.12	
24	OVC	006				2.00	-SN	29	27	28	92	3	11	28.93	29.88	24	CLR	NC				10.00		9	-1	7	64	7	27	29.14	30.12	
SUNRISE: 0729 JAN 05 SUNSET: 1637																																
03	OVC	008				2.00	-SN	29	27	28	92	0	00	28.94	29.88	03	CLR	NC				10.00		7	-2	5	66	10	29	29.15	30.14	
06	OVC	009				2.50	BR	29	27	28	92	0	00	28.94	29.89	06	CLR	NC				10.00		5	-3	4	69	8	29	29.17	30.16	
09	OVC	006				0.75	-SN	30	28	29	92	0	00	28.99	29.93	09	CLR	NC				10.00		5	-4	3	66	12	28	29.21	30.20	
12	OVC	008				1.50	-SN BR	31	28	30	89	6	29	28.99	29.94	12	BKN	070				10.00		12	-2	9	53	14	28	29.23	30.22	
15	OVC	013				3.00	-SN BR	32	28	31	85	6	34	29.03	29.98	15	BKN	037				10.00		15	0	12	51	14	30	29.29	30.28	
18	OVC	011				3.00	BR	32	28	31	85	7	33	29.11	30.07	18	CLR	NC				10.00		12	1	10	61	5	VR	29.38	30.37	
21	OVC	012				4.00	-SN	31	28	30	89	12	33	29.18	30.14	21	CLR	NC				10.00		11	1	9	64	6	29	29.40	30.40	
24	OVC	016				4.00	BR	31	28	30	89	8	33	29.25	30.22	24	CLR	NC				10.00		11	2	9	67	7	28	29.42	30.42	
SUNRISE: 0729 JAN 06 SUNSET: 1638																																
03	OVC	034				10.00		31	24	28	76	9	33	29.34	30.30	03	CLR	NC				10.00		9	2	8	73	3	VR	29.43	30.42	
06	BKN	026				10.00		26	19	24	75	8	33	29.40	30.37	06	CLR	NC				10.00		9	3	8	77	0	00	29.40	30.40	
09	CLR	NC				10.00		25	18	23	75	8	32	29.47	30.45	09	CLR	NC				10.00		12	-1	9	56	10	23	29.38	30.37	
12	CLR	NC				10.00		30	17	26	59	10	32	29.46	30.43	12	CLR	NC				10.00		22	2	17	42	13	21	29.28	30.26	
15	CLR	NC				10.00		33	17	28	52	8	28	29.42	30.39	15	CLR	NC				10.00		29	4	22	34	13	20	29.12	30.09	
18	CLR	NC				10.00		30	18	26	61	5	VR	29.44	30.41	18	CLR	NC				10.00		30	11	24	45	10	21	29.03	30.00	
21	CLR	NC				10.00		26	18	23	71	6	22	29.38	30.35	21	CLR	NC				10.00		32	14	26	47	10	23	29.00	29.97	
24	OVC	120				10.00		27	20	25	75	12	23	29.27	30.23	24	CLR	NC				10.00		27	12	22	53	9	30	29.06	30.02	

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

JANUARY 2003

MSN

WBAN # 14837

Table with columns for HOUR (LST), SKY COVER, CEILING, VISIBILITY, WEATHER, TEMPERATURE (DRY BULB, DEW POINT, WET BULB, RELATIVE HUMIDITY), WIND (SPEED, DIRECTION), PRESSURE (STATION, SEA LEVEL), and corresponding data for three 24-hour periods on Jan 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, and 24.

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

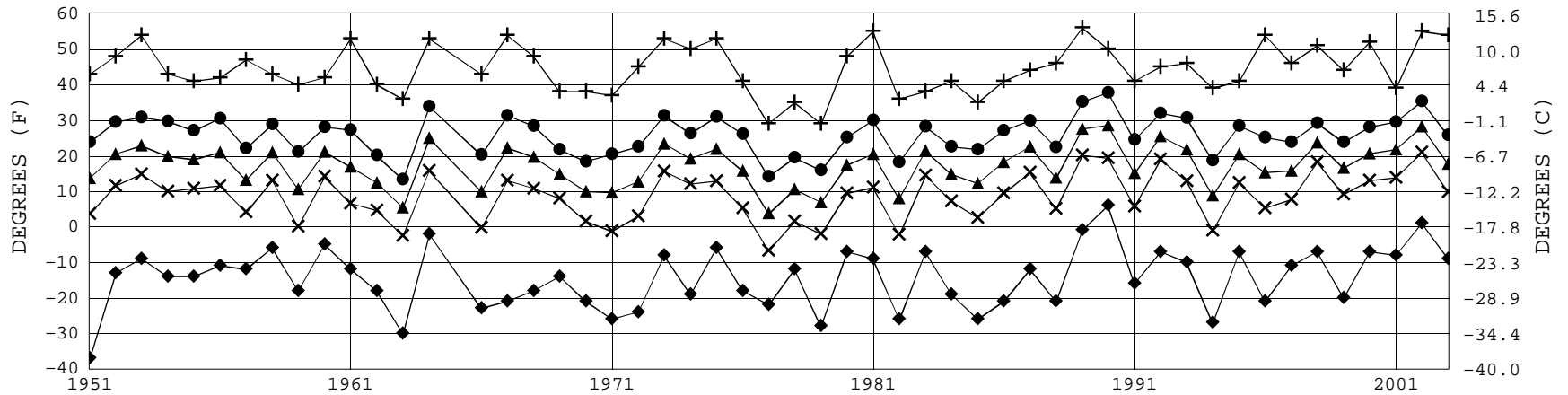
JANUARY 2003

MSN

WBAN # 14837

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
	OBSERVATION TIME (LST)	EFF CLD AMT Okta		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		OBSERVATION TIME (LST)	EFF CLD AMT Okta		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0720								JAN 25								SUNSET: 1700															
03	OVC	021			10.00			17	6	14	62	8	22	29.22	30.20	03	OVC	029			1.75	-SN	BR	30	27	29	88	8	15	28.93	29.88
06	OVC	021			10.00			17	7	15	64	9	20	29.18	30.16	06	OVC	007			2.50	-SN	BR	31	29	30	92	8	16	28.88	29.83
09	CLR	NC			9.00			16	6	14	65	8	19	29.19	30.16	09	OVC	005			1.50	-SN		32	31	32	96	3	19	28.87	29.82
12	CLR	NC			8.00			24	10	20	55	12	23	29.13	30.10	12	OVC	009			4.00	BR		34	31	33	89	7	VR	28.88	29.83
15	OVC	036			3.00		-SN	25	15	22	66	10	29	29.09	30.06	15	OVC	011			5.00	HZ		34	29	32	82	9	34	28.90	29.85
18	OVC	041			7.00		-SN	20	14	18	78	12	31	29.17	30.14	18	OVC	017			6.00	HZ		33	27	31	78	7	33	28.99	29.93
21	OVC	026			10.00			14	4	12	64	10	33	29.24	30.22	21	OVC	021			6.00	HZ		32	27	30	82	6	32	29.00	29.96
24	OVC	095			10.00			11	-1	9	58	10	34	29.30	30.27	24	OVC	023			6.00	HZ		30	24	28	79	3	29	29.01	29.96
SUNRISE: 0719								JAN 26								SUNSET: 1701															
03	OVC	110			10.00			8	-6	6	52	9	34	29.36	30.34	3-HOURLY OBSERVATION NOTES															
06	CLR	NC			10.00			1	-11	-1	56	9	32	29.41	30.41	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,															
09	FEW	NC			10.00			1	-11	-1	56	10	32	29.47	30.47	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.															
12	CLR	NC			10.00			6	-11	4	45	10	33	29.48	30.48	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.															
15	CLR	NC			10.00			10	-10	7	39	14	31	29.46	30.46	NC= No ceiling detected.															
18	CLR	NC			10.00			5	-10	3	49	6	30	29.52	30.53	& = Original observation contained additional weather elements.															
21	CLR	NC			10.00			-3	-11	-4	68	0	00	29.53	30.55	See page 3 for additional notes.															
24	CLR	NC			10.00			-7	-12	-8	79	0	00	29.53	30.55																
SUNRISE: 0718								JAN 27								SUNSET: 1703															
03	CLR	NC			10.00			-6	-11	-7	78	0	00	29.51	30.52																
06	BKN	110			10.00			1	-7	0	68	9	16	29.46	30.47																
09	OVC	075			10.00			6	-7	4	54	15	17	29.42	30.42																
12	OVC	045			10.00			10	-2	8	58	16	18	29.30	30.30																
15	OVC	041			10.00			16	2	13	54	17	17	29.14	30.13																
18	CLR	NC			10.00			17	3	14	54	10	20	29.13	30.11																
21	OVC	037			10.00			18	6	15	60	12	20	29.11	30.09																
24	BKN	110			10.00			20	7	17	57	10	19	29.06	30.03																
SUNRISE: 0717								JAN 28								SUNSET: 1704															
03	BKN	120			10.00			21	9	18	59	6	18	29.03	30.01																
06	BKN	100			10.00			22	11	19	63	5	20	29.03	30.00																
09	BKN	060			10.00			24	12	21	60	0	00	29.04	30.01																
12	OVC	027			1.25		-SN BR	25	21	24	85	0	00	29.07	30.04																
15	OVC	008			1.00		-SN	26	23	25	88	7	32	29.07	30.04																
18	OVC	090			4.00		HZ	38	27	34	65	7	32	29.11	30.07																
21	OVC	016			8.00			34	18	29	52	10	33	29.18	30.14																
24	OVC	018			10.00			24	14	21	65	8	33	29.23	30.19																
SUNRISE: 0716								JAN 29								SUNSET: 1705															
03	OVC	022			10.00			19	9	16	65	8	33	29.30	30.27																
06	OVC	024			10.00			17	8	15	68	6	31	29.37	30.33																
09	FEW	NC			10.00			23	5	18	46	8	31	29.43	30.40																
12	CLR	NC			10.00			20	7	17	57	8	05	29.44	30.42																
15	CLR	NC			10.00			19	4	15	52	5	05	29.43	30.42																
18	CLR	NC			10.00			10	1	8	67	5	12	29.41	30.40																
21	CLR	NC			10.00			6	2	5	83	0	00	29.39	30.38																
24	SCT	NC			10.00			14	7	12	73	7	22	29.35	30.33																
SUNRISE: 0715								JAN 30								SUNSET: 1707															
03	OVC	031			8.00			19	12	17	74	8	19	29.32	30.29																
06	OVC	027			7.00			19	12	17	74	5	20	29.28	30.26																
09	CLR	NC			10.00			19	11	17	71	10	20	29.27	30.25																
12	CLR	NC			10.00			26	17	23	69	13	19	29.19	30.17																
15	BKN	070			8.00			28	20	25	72	15	18	29.09	30.06																
18	SCT	NC			7.00			28	23	26	81	16	18	29.05	30.02																
21	OVC	050			6.00		HZ	29	24	27	82	8	18	29.01	29.98																
24	OVC	070			6.00		BR	30	27	29	88	8	16	29.00	29.96																

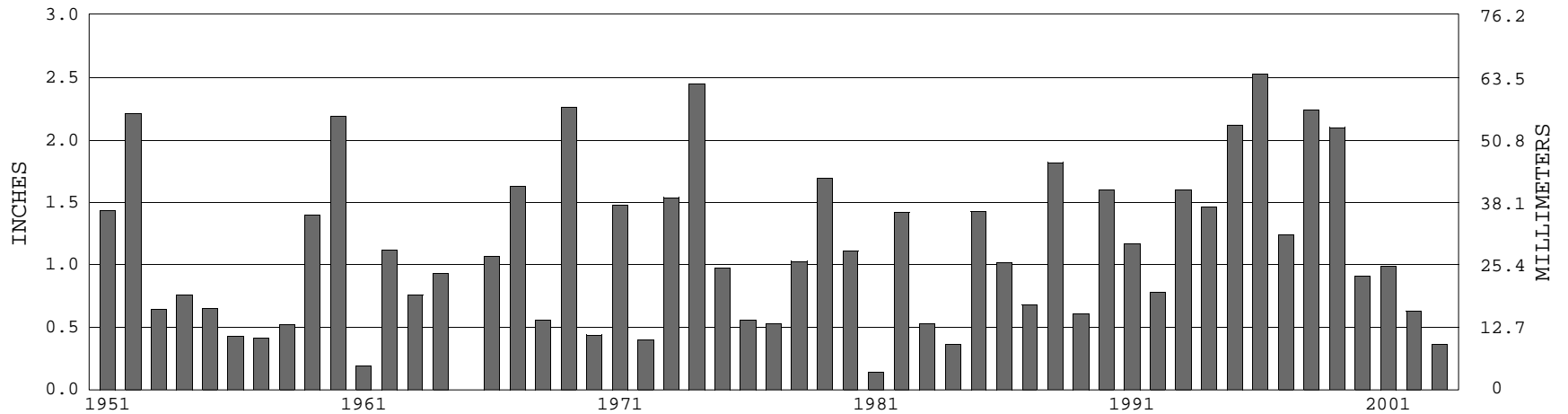
MADISON, WI JANUARY TEMPERATURES



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

Long-Term (1951-2003) Mean: 16.9 1961-1990 Normal: 17.3

MADISON, WI JANUARY PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 1.12

1961-1990 Normal: 1.25



JANUARY 2003

MADISON, 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.

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