



# JUNE 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

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	67	35*	51*	-13	39	46	14	0		0		0.0	0.00	29.14	30.08	1.0	18	2.2	13	17	9	22	01	
02	66	41	54	-10	44	50	11	0	BR HZ	0		0.0	0.00	29.07	30.00	2.3	15	3.9	16	22	12	22	02	
03	67	51	59	-5	47	53	6	0	RA BR HZ	0		0.0	T	29.01	29.93	3.1	06	4.4	18	05	15	06	03	
04	70	47	59	-5	43	51	6	0	BR	0		0.0	0.00	28.99	29.92	4.7	01	5.2	20	05	16	04	04	
05	77	52	65	1	45	54	0	0		0		0.0	0.00	29.03	29.95	3.5	22	4.6	17	21	13	22	05	
06	65	53	59	-6	53	56	6	0	RA DZ BR HZ	0		0.0	0.17	28.94	29.86	6.5	16	7.2	25	14	21	14	06	
07	72	53	63	-2	54	58	2	0	BCFG BR HZ	0		0.0	0.00	28.84	29.76	1.9	18	4.1	16	19	12	15	07	
08	66	54	60	-5	54	56	5	0	TSRA RA BR	0		0.0	0.20	28.73	29.64	2.7	23	5.3	21	31	14	30	08	
09	74	53	64	-1	52	57	1	0		0		0.0	0.00	28.91	29.83	2.4	28	4.2	16	23	13	27	09	
10	75	60	68	3	60	62	0	3	RA BR HZ	0		0.0	0.03	28.77	29.67	3.3	19	8.0	25	18	21	18	10	
11	65	54	60	-6	53	56	5	0		0		0.0	0.00	28.94	29.85	8.5	07	9.2	17	07	15	04	11	
12	74	53	64	-3	56	59	1	0	BR HZ	0		0.0	0.00	28.91	29.83	4.0	07	5.0	16	08	15	08	12	
13	81	53	67	0	59	62	0	2	BR HZ	0		0.0	0.00	28.93	29.84	1.1	11	1.7	15	08	9	07	13	
14	81	57	69	2	60	63	0	4	BCFG BR HZ	0		0.0	0.00	29.09	30.00	4.3	06	5.1	17	07	14	07	14	
15	80	55	68	1	54	60	0	3	BR	0		0.0	0.00	29.20	30.12	6.3	04	6.9	22	04	15	05	15	
16	83	51	67	0	53	59	0	2		0		0.0	0.00	29.21	30.13	2.8	07	4.3	18	10	16	11	16	
17	84	49	67	0	49	58	0	2		0		0.0	0.00	29.10	30.02	0.8	21	1.7	13	01	9	36	17	
18	87	62	75	8	60	65	0	10	RA BR	0		0.0	0.19	28.97	29.87	3.0	05	6.6	29	01	24	02	18	
19	72	45	59	-8	45	53	6	0		0		0.0	0.00	29.18	30.10	9.5	03	10.0	25	05	22	05	19	
20	77	40	59	-9	44	52	6	0		0		0.0	0.00	29.22	30.15	1.2	12	2.6	15	11	12	17	20	
21	81	47	64	-5	48	57	1	0		0		0.0	0.00	29.12	30.04	5.2	16	5.4	17	17	13	13	21	
22	87	53	70	1	51	60	0	5		0		0.0	0.00	29.03	29.94	7.2	18	7.5	21	16	17	16	22	
23	88	62	75	6	58	65	0	10	RA	0		0.0	T	28.99	29.90	9.4	18	9.6	23	17	18	18	23	
24	92*	68	80*	11	67	72	0	15	TSRA BR	0		0.0	0.18	29.03	29.93	9.0	19	10.8	28	16	23	17	24	
25	90	68	79	10	68	70	0	14	TS TSRA RA BR HZ	0		0.0	0.29	28.98	29.88	7.3	19	8.7	32*	29	26*	28	25	
26	71	60	66	-3	51	57	0	1		0		0.0	0.00	28.95	29.86	8.4	27	9.2	30	29	21	29	26	
27	81	60	71	1	53	60	0	6	RA BR	0		0.0	0.08	28.97	29.88	4.5	24	6.9	23	28	16	28	27	
28	76	60	68	-2	60	62	0	3	RA BR	0		0.0	0.96	28.97	29.89	2.1	15	4.2	16	28	13	36	28	
29	80	58	69	-1	56	61	0	4	FG+ BCFG BR HZ	0		0.0	0.00	29.11	30.03	3.9	29	4.8	21	27	16	31	29	
30	83	55	69	-1	56	61	0	4		0		0.0	0.00	29.21	30.13	1.6	24	2.6	13	24	9	24	30	

JUNE 2003  
MADISON, WI

77.1	53.6	65.4	■ ■	53.1	58.5	2.3	2.9	< MONTHLY AVERAGES TOTALS->		0.0	2.10	29.02	29.94	1.3	17	5.7	<- MONTHLY AVERAGES						
-1.2	-2.1	-1.6	■ ■	<-----DEPARTURE FROM NORMAL----->							-1.95	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION: 1.04 DATE: 27-28				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY TOTAL DEPARTURE								SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM MINIMUM				: 30.23 20 0753			
HEATING: 70 7 7540 47								NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 2				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH: 8			
COOLING: 88 -35 92 -70												MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 6			
												THUNDERSTORMS: 3				HEAVY FOG: 1				SNOWFALL ≥ 1.0 INCH: 0			

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## MADISON, WI

JUNE 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		0.00		
03													03												03		T		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.17		
07													07												07		0.00		
08													08												08		0.20		
09													09												09		0.00		
10													10												10		0.03		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.00		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.19		
19													19												19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		T		
24													24												24		0.18		
25													25												25		0.29		
26													26												26		0.00		
27													27												27		0.08		
28													28												28		0.96		
29													29												29		0.00		
30													30												30		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)	.10	.17	.23	.27	.35	.40	.44	.48	.50	.53	.59	.61
Ending Date	28	28	28	28	28	28	28	28	28	28	28	28
Ending Time (Hour/Min)	0905	0910	0910	0912	0912	0927	0932	0932	0958	1037	1045	1058

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 JUNE 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							9.00	10.00	
02							4.00	10.00	
03							4.00	10.00	
04							6.00	10.00	
05							7.00	10.00	
06							1.00	7.00	
07							1.25	10.00	
08							2.00	10.00	
09							8.00	10.00	
10							4.00	10.00	
11							7.00	10.00	
12							3.00	10.00	
13							.75	10.00	
14							1.75	10.00	
15							5.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							4.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							9.00	10.00	
23							10.00	10.00	
24							1.75	10.00	
25							3.00	10.00	
26							8.00	10.00	
27							3.00	10.00	
28							1.50	10.00	
29							.25	10.00	
30							9.00	10.00	
<b>MONTHLY AVGS</b>							5.62	9.90	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible:                      Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING									
30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0									
0            10           13									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# MADISON, WI

JUNE 2003

MSN

WBAN # 14837

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				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	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0421				JUN 01				SUNSET: 1929				SUNRISE: 0419				JUN 07				SUNSET: 1934							
03	CLR	NC		10.00	37	35	36	93	0	00	29.15	30.09	03	BKN	009	2.50	BR	54	53	53	97	0	00	28.86	29.78		
06	CLR	NC		10.00	40	37	39	89	0	00	29.18	30.12	06	BKN	008	2.50	BCFG BR	57	54	55	90	3	18	28.87	29.80		
09	CLR	NC		10.00	55	35	46	47	5	13	29.18	30.11	09	SCT	NC	5.00	HZ	62	55	58	78	3	VR	28.87	29.79		
12	CLR	NC		10.00	61	36	49	39	3	VR	29.16	30.09	12	SCT	NC	9.00		67	53	59	61	7	17	28.86	29.77		
15	CLR	NC		10.00	65	38	51	37	7	19	29.12	30.06	15	BKN	075	10.00		69	52	59	55	5	VR	28.84	29.75		
18	CLR	NC		10.00	65	40	52	40	5	21	29.10	30.03	18	SCT	NC	10.00		71	53	61	53	5	VR	28.82	29.73		
21	CLR	NC		10.00	52	44	48	75	0	00	29.10	30.03	21	FEW	NC	10.00		58	55	56	90	0	00	28.82	29.73		
24	CLR	NC		10.00	46	43	45	89	0	00	29.11	30.05	24	OVC	095	8.00		60	55	57	84	7	11	28.76	29.67		
SUNRISE: 0420				JUN 02				SUNSET: 1930				SUNRISE: 0418				JUN 08				SUNSET: 1934							
03	CLR	NC		6.00	42	41	42	96	0	00	29.09	30.03	03	OVC	090	6.00	BR	58	56	57	93	0	00	28.72	29.63		
06	CLR	NC		7.00	46	44	45	93	0	00	29.12	30.05	06	BKN	050	8.00		58	55	56	90	12	18	28.73	29.64		
09	CLR	NC		8.00	61	43	52	52	6	16	29.11	30.04	09	BKN	021	6.00	-RA BR	58	54	56	87	7	21	28.70	29.62		
12	CLR	NC		10.00	64	43	53	46	7	13	29.07	30.01	12	OVC	065	7.00	-RA	57	54	55	90	0	00	28.69	29.61		
15	CLR	NC		10.00	65	43	53	45	7	13	29.04	29.97	15	BKN	070	10.00		64	52	57	65	6	VR	28.67	29.59		
18	CLR	NC		10.00	62	48	54	60	0	00	29.01	29.94	18	BKN	085	10.00	-RA	61	53	57	75	7	33	28.72	29.64		
21	FEW	NC		8.00	56	45	50	67	6	VR	29.04	29.96	21	CLR	NC	10.00		56	53	54	90	5	VR	28.79	29.71		
24	FEW	NC		6.00	54	46	50	75	3	28	29.03	29.96	24	CLR	NC	10.00		55	53	54	93	3	VR	28.80	29.72		
SUNRISE: 0420				JUN 03				SUNSET: 1931				SUNRISE: 0418				JUN 09				SUNSET: 1935							
03	BKN	120		6.00	53	46	49	77	0	00	29.01	29.94	03	CLR	NC	10.00		54	52	53	93	3	VR	28.82	29.74		
06	OVC	065		4.00	51	47	49	86	0	00	29.02	29.96	06	CLR	NC	8.00		56	53	54	90	6	26	28.89	29.81		
09	OVC	120		7.00	58	48	53	70	6	09	29.03	29.96	09	SCT	NC	10.00		63	54	58	73	6	30	28.94	29.86		
12	BKN	110		10.00	64	48	55	56	10	05	29.01	29.94	12	SCT	NC	10.00		67	54	59	63	8	31	28.96	29.87		
15	BKN	090		10.00	66	44	54	45	10	07	28.99	29.91	15	SCT	NC	10.00		74	51	61	45	7	27	28.94	29.85		
18	FEW	NC		10.00	66	46	55	49	3	07	28.99	29.91	18	FEW	NC	10.00		72	50	59	46	0	00	28.94	29.85		
21	FEW	NC		10.00	56	49	52	77	0	00	29.00	29.93	21	CLR	NC	10.00		59	52	55	78	0	00	28.95	29.86		
24	BKN	120		10.00	54	49	51	83	0	00	29.00	29.93	24	SCT	NC	10.00		60	54	57	80	6	14	28.92	29.83		
SUNRISE: 0420				JUN 04				SUNSET: 1932				SUNRISE: 0418				JUN 10				SUNSET: 1936							
03	FEW	NC		6.00	51	49	50	92	5	36	28.99	29.91	03	OVC	095	6.00	HZ	60	55	57	84	7	13	28.83	29.73		
06	SCT	NC		8.00	54	47	50	77	6	01	28.99	29.92	06	OVC	060	6.00	HZ	62	56	59	81	5	15	28.78	29.69		
09	OVC	120		9.00	59	46	52	62	6	36	29.00	29.93	09	BKN	090	10.00		68	58	62	70	10	20	28.74	29.65		
12	CLR	NC		10.00	66	44	54	45	8	02	28.99	29.91	12	OVC	018	9.00		67	61	63	81	7	21	28.70	29.62		
15	FEW	NC		10.00	69	38	53	32	12	05	28.98	29.90	15	OVC	022	10.00		69	63	65	81	8	23	28.73	29.64		
18	FEW	NC		10.00	66	40	53	39	5	35	28.99	29.91	18	FEW	NC	10.00		74	63	67	69	6	21	28.71	29.61		
21	CLR	NC		10.00	52	42	47	69	0	00	28.99	29.92	21	BKN	040	10.00		69	63	65	81	5	33	28.78	29.69		
24	BKN	100		10.00	53	42	48	66	0	00	29.02	29.95	24	OVC	013	8.00		62	58	60	86	9	02	28.84	29.75		
SUNRISE: 0419				JUN 05				SUNSET: 1932				SUNRISE: 0418				JUN 11				SUNSET: 1936							
03	OVC	110		10.00	54	42	48	64	0	00	29.04	29.96	03	OVC	020	10.00		58	54	56	87	7	04	28.88	29.79		
06	SCT	NC		10.00	57	43	50	60	6	22	29.04	29.96	06	OVC	014	8.00		58	53	55	84	8	06	28.92	29.84		
09	FEW	NC		10.00	66	44	54	45	8	24	29.06	29.99	09	OVC	016	10.00		58	52	55	81	9	06	28.97	29.88		
12	FEW	NC		10.00	74	44	58	34	5	VR	29.04	29.97	12	OVC	015	9.00		60	53	56	78	10	07	28.97	29.89		
15	SCT	NC		10.00	75	40	56	28	7	VR	29.01	29.93	15	BKN	029	10.00		64	54	58	70	10	11	28.96	29.88		
18	SCT	NC		10.00	73	47	58	40	6	21	28.99	29.91	18	BKN	029	10.00		63	54	58	73	9	05	28.94	29.86		
21	CLR	NC		10.00	63	50	56	63	5	22	29.01	29.93	21	CLR	NC	10.00		57	52	54	83	6	08	28.96	29.88		
24	CLR	NC		7.00	55	50	52	83	0	00	29.01	29.93	24	BKN	024	7.00		54	51	52	90	5	06	28.93	29.85		
SUNRISE: 0419				JUN 06				SUNSET: 1933				SUNRISE: 0418				JUN 12				SUNSET: 1937							
03	CLR	NC		6.00	57	50	53	78	0	00	29.00	29.92	03	OVC	026	6.00	BR	54	52	53	93	7	03	28.91	29.83		
06	CLR	NC		5.00	60	50	55	70	8	17	28.99	29.91	06	OVC	030	6.00	BR	56	53	54	90	5	03	28.91	29.83		
09	OVC	120		5.00	62	54	57	75	6	22	28.99	29.92	09	OVC	015	6.00	HZ	59	54	56	83	7	06	28.93	29.85		
12	OVC	027		4.00	61	54	57	78	0	00	28.99	29.91	12	BKN	015	5.00	HZ	68	59	63	73	6	04	28.92	29.83		
15	OVC	080		6.00	63	51	56	65	16	14	28.91	29.83	15	BKN	032	8.00		72	61	65	69	6	12	28.90	29.81		
18	OVC	023		2.00	57	55	56	93	10	15	28.88	29.79	18	CLR	NC	10.00		71	61	65	71	10	11	28.87	29.78		
21	OVC	008		3.00	58	55	56	90	12	17	28.87	29.79	21	CLR	NC	7.00		60	57	58	90	0	00	28.91	29.83		
24	OVC	013		4.00	58	55	56	90	7	21	28.86	29.78	24	CLR	NC	3.00	BR	58	56	57	93	0	00	28.91	29.83		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# MADISON, WI

JUNE 2003

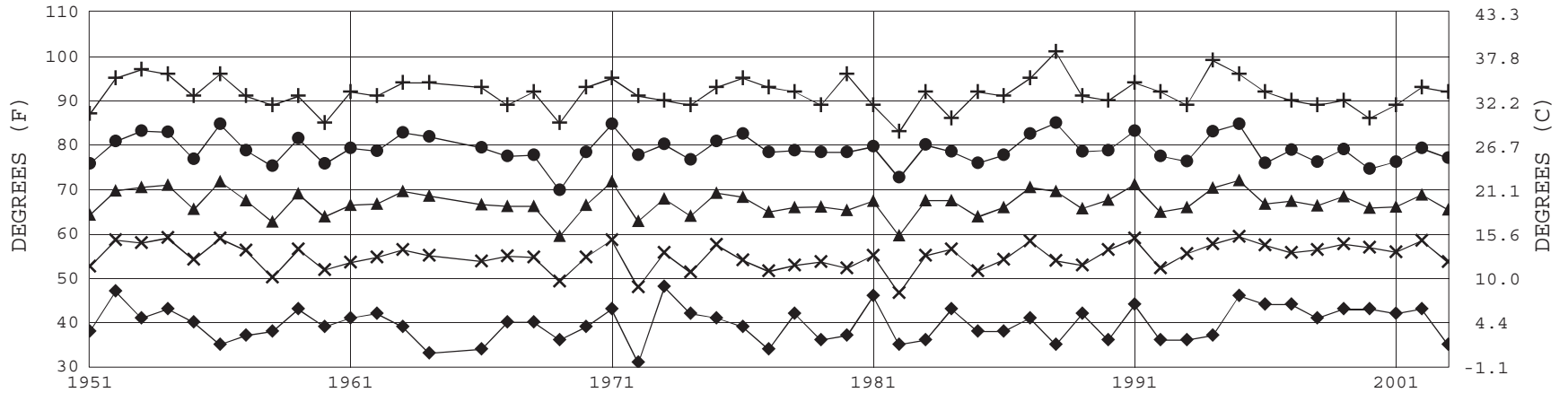
MSN

WBAN # 14837

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				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	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	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0417				JUN 13				SUNSET: 1937				SUNRISE: 0418				JUN 19				SUNSET: 1940									
03	CLR	NC			3.00	BR	57	56	56	96	0	00	28.90	29.81	03	CLR	NC			10.00	55	51	53	87	5	36	29.10	30.02	
06	CLR	NC			1.00	BR	58	57	57	97	0	00	28.93	29.84	06	CLR	NC			10.00	56	51	53	84	6	35	29.15	30.07	
09	BKN	080			6.00	HZ	69	59	63	70	0	00	28.95	29.86	09	FEW	NC			10.00	66	47	56	50	17	02	29.21	30.13	
12	BKN	037			9.00		77	60	66	56	7	VR	28.92	29.83	12	FEW	NC			10.00	70	47	57	44	17	02	29.21	30.13	
15	SCT	NC			10.00		78	59	66	52	5	08	28.91	29.82	15	CLR	NC			10.00	71	41	55	34	18	04	29.20	30.12	
18	FEW	NC			10.00		75	61	66	62	0	00	28.91	29.82	18	CLR	NC			10.00	67	32	50	27	14	06	29.19	30.11	
21	FEW	NC			8.00		66	60	62	81	0	00	28.95	29.86	21	CLR	NC			10.00	54	41	48	62	0	00	29.20	30.13	
24	CLR	NC			6.00	BR	63	60	61	90	0	00	28.99	29.89	24	CLR	NC			10.00	45	41	43	86	0	00	29.24	30.17	
SUNRISE: 0417				JUN 14				SUNSET: 1938				SUNRISE: 0418				JUN 20				SUNSET: 1940									
03	CLR	NC			4.00	BR	59	58	58	96	0	00	28.99	29.91	03	CLR	NC			10.00	41	38	40	89	0	00	29.26	30.19	
06	SCT	NC			2.00	BCFG BR	61	59	60	93	0	00	29.04	29.96	06	CLR	NC			10.00	49	43	46	80	0	00	29.28	30.22	
09	CLR	NC			3.00	HZ	72	63	66	73	7	01	29.08	30.00	09	CLR	NC			10.00	65	47	55	52	8	15	29.28	30.22	
12	FEW	NC			5.00	HZ	77	64	69	64	8	04	29.10	30.02	12	CLR	NC			10.00	73	46	58	38	0	00	29.26	30.19	
15	SCT	NC			10.00		78	62	68	58	9	06	29.09	30.01	15	CLR	NC			10.00	76	44	58	32	7	17	29.20	30.13	
18	FEW	NC			10.00		75	62	67	64	8	10	29.10	30.02	18	CLR	NC			10.00	76	46	59	35	0	00	29.15	30.08	
21	CLR	NC			10.00		66	57	61	73	8	10	29.15	30.07	21	CLR	NC			10.00	59	47	53	64	0	00	29.15	30.08	
24	CLR	NC			8.00		57	55	56	93	0	00	29.18	30.10	24	CLR	NC			10.00	56	47	51	72	0	00	29.15	30.07	
SUNRISE: 0417				JUN 15				SUNSET: 1938				SUNRISE: 0418				JUN 21				SUNSET: 1940									
03	CLR	NC			10.00		57	53	55	87	5	03	29.19	30.11	03	CLR	NC			10.00	50	47	48	89	0	00	29.15	30.08	
06	CLR	NC			10.00		61	55	58	81	6	01	29.22	30.14	06	CLR	NC			10.00	57	50	53	78	3	16	29.18	30.10	
09	CLR	NC			10.00		73	56	63	55	10	02	29.23	30.14	09	CLR	NC			10.00	72	45	57	38	10	18	29.18	30.10	
12	CLR	NC			10.00		77	54	63	45	8	01	29.21	30.13	12	CLR	NC			10.00	77	47	60	35	8	19	29.14	30.06	
15	FEW	NC			10.00		79	50	62	36	8	03	29.19	30.11	15	CLR	NC			10.00	80	46	61	30	7	14	29.09	30.01	
18	SCT	NC			10.00		78	56	65	47	8	03	29.17	30.09	18	CLR	NC			10.00	78	47	60	33	10	16	29.05	29.97	
21	CLR	NC			10.00		67	56	60	68	8	04	29.20	30.12	21	CLR	NC			10.00	65	50	57	59	0	00	29.06	29.98	
24	CLR	NC			10.00		57	54	55	90	0	00	29.21	30.13	24	CLR	NC			10.00	64	51	57	63	7	16	29.04	29.96	
SUNRISE: 0417				JUN 16				SUNSET: 1939				SUNRISE: 0418				JUN 22				SUNSET: 1940									
03	CLR	NC			10.00		52	51	52	97	0	00	29.22	30.14	03	CLR	NC			10.00	61	50	55	67	3	16	29.07	29.99	
06	CLR	NC			10.00		57	53	55	87	3	36	29.25	30.17	06	CLR	NC			10.00	62	51	56	67	8	17	29.08	29.99	
09	CLR	NC			10.00		72	54	61	53	6	03	29.24	30.16	09	CLR	NC			10.00	74	54	62	50	7	17	29.08	29.99	
12	SCT	NC			10.00		80	55	65	42	0	00	29.22	30.14	12	CLR	NC			10.00	82	51	64	34	13	18	29.05	29.97	
15	SCT	NC			10.00		81	54	65	39	8	09	29.19	30.11	15	CLR	NC			10.00	85	48	63	28	12	22	29.01	29.93	
18	FEW	NC			10.00		79	55	64	44	8	08	29.16	30.09	18	CLR	NC			10.00	83	50	63	32	14	17	28.95	29.85	
21	CLR	NC			10.00		65	52	58	63	6	07	29.20	30.12	21	CLR	NC			10.00	72	53	61	52	6	18	28.98	29.88	
24	CLR	NC			10.00		55	50	52	83	3	28	29.20	30.13	24	CLR	NC			10.00	69	52	59	55	6	18	29.00	29.91	
SUNRISE: 0417				JUN 17				SUNSET: 1939				SUNRISE: 0418				JUN 23				SUNSET: 1941									
03	CLR	NC			10.00		51	49	50	92	0	00	29.18	30.10	03	CLR	NC			10.00	66	53	59	63	7	17	29.00	29.91	
06	CLR	NC			10.00		56	51	53	84	0	00	29.18	30.10	06	CLR	NC			10.00	67	54	59	63	9	18	28.99	29.90	
09	CLR	NC			10.00		75	43	58	32	0	00	29.17	30.08	09	CLR	NC			10.00	78	59	66	52	13	17	29.00	29.91	
12	CLR	NC			10.00		81	50	63	34	5	VR	29.13	30.05	12	CLR	NC			10.00	86	61	70	43	14	18	29.00	29.91	
15	CLR	NC			10.00		82	50	63	33	7	23	29.07	29.98	15	SCT	NC			10.00	85	60	69	43	16	16	28.97	29.88	
18	CLR	NC			10.00		82	49	63	32	0	00	29.01	29.93	18	FEW	NC			10.00	81	61	68	51	3	VR	28.97	29.88	
21	CLR	NC			10.00		68	54	60	61	0	00	29.01	29.93	21	CLR	NC			10.00	79	57	65	47	8	18	29.00	29.91	
24	CLR	NC			10.00		69	56	61	63	6	18	29.00	29.91	24	FEW	NC			10.00	75	59	65	58	8	18	28.99	29.89	
SUNRISE: 0417				JUN 18				SUNSET: 1939				SUNRISE: 0419				JUN 24				SUNSET: 1941									
03	SCT	NC			10.00		68	55	60	63	6	18	28.98	29.88	03	CLR	NC			10.00	74	58	64	57	7	18	29.00	29.91	
06	SCT	NC			9.00		70	58	63	66	0	00	28.98	29.88	06	BKN	055			10.00	74	61	66	64	12	28	29.10	30.01	
09	SCT	NC			10.00		79	63	69	58	7	28	28.97	29.88	09	CLR	NC			7.00	75	69	71	82	12	17	29.02	29.93	
12	BKN	100			10.00		83	64	71	53	3	VR	28.95	29.85	12	FEW	NC			7.00	87	71	76	59	15	18	29.03	29.94	
15	BKN	065			10.00		83	61	69	48	14	03	28.91	29.81	15	SCT	NC			9.00	91	72	77	54	7	VR	29.02	29.93	
18	SCT	NC			10.00		77	61	67	58	13	02	28.92	29.83	18	CLR	NC			9.00	89	71	76	55	8	20	29.00	29.91	
21	BKN	055			10.00		68	60	63	76	10	08	29.00	29.91	21	CLR	NC			8.00	85	71	75	63	10	18	28.99	29.89	
24	OVC	095			10.00	-RA	62	59	60	90	5	03	29.07	29.98	24	CLR	NC			7.00	81	70	73	69	10	19	29.03	29.93	



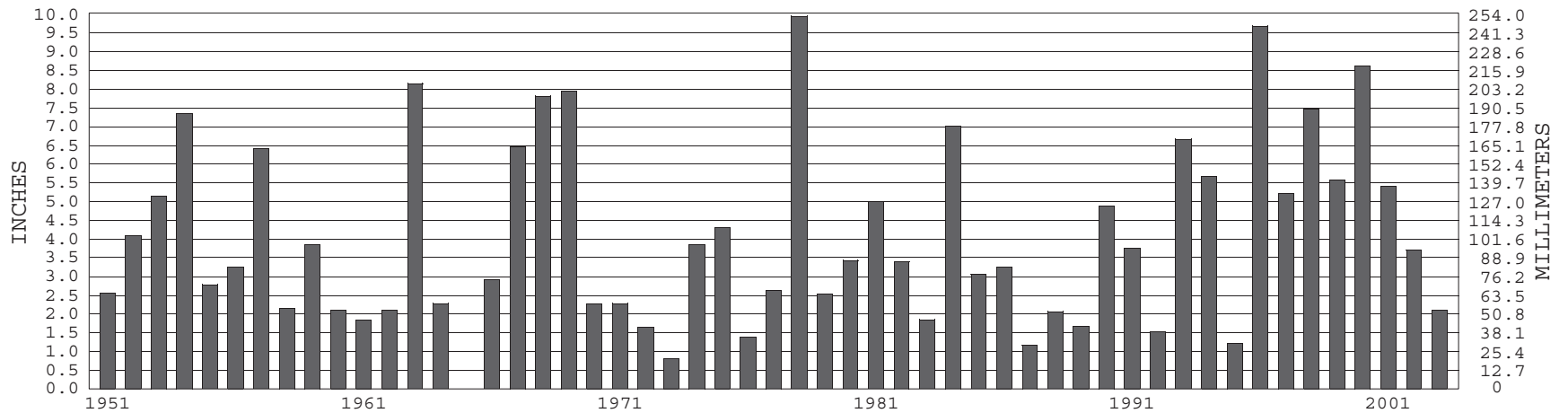
### MADISON, WI JUNE TEMPERATURES



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

Long-Term (1951-2003) Mean: 65.7      1961-1990 Normal: 67.0

### MADISON, WI JUNE PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 4.04

1961-1990 Normal: 4.05



JUNE 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.*

DIRECTOR

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

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

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

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

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS  
POSTAGE AND FEES PAID  
NOAA  
PERMIT G-19