



JUNE 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	87	53	70	6	53	61	0	5		0		0.0	0.00	28.84	29.75	3.5	25	5.7	25	29	17	30	01		
02	72	49	61	-3	49	53	4	0	RA BR	0		0.0	0.27	28.99	29.91	5.3	08	6.9	23	09	18	12	02		
03	63	47	55	-9	53	54	10	0	TS TSRA RA DZ BR	0		0.0	1.54	28.95	29.87	9.8	08	11.6	45*	33	32*	11	03		
04	63	54	59	-5	59	59	6	0	TSRA RA DZ FG BCFG BR	0		0.0	0.97	28.89	29.82	2.1	04	8.1	36	11	31	11	04		
05	63	47	55*	-9	52	54	10	0	DZ FG MIFG BCFG BR	0		0.0	T	29.07	30.00	4.2	35	5.4	17	05	15	05	05		
06	73	43*	58	-7	50	54	7	0	FG BCFG BR	0		0.0	0.00	29.14	30.07	3.9	14	4.7	17	12	12	14	06		
07	77	54	66	1	54	59	0	1	BR HZ	0		0.0	0.00	29.13	30.05	9.9	18	10.1	24	18	20	19	07		
08	83	61	72	7	60	65	0	7	BR HZ	0		0.0	0.00	29.11	30.02	4.4	20	5.6	16	21	13	21	08		
09	85	57	71	6	58	64	0	6	MIFG BR HZ	0		0.0	0.00	29.09	30.00	6.2	16	6.5	22	13	18	13	09		
10	85	66	76	11	67	70	0	11	TS TSRA RA BR HZ	0		0.0	0.34	28.95	29.86	10.2	18	10.3	35	24	22	23	10		
11	80	67	74	8	67	69	0	9	RA BR	0		0.0	0.05	28.86	29.76	3.5	23	6.0	23	31	16	34	11		
12	76	59	68	1	61	63	0	3	BR HZ	0		0.0	0.00	28.98	29.89	4.9	03	7.0	16	05	15	02	12		
13	70	52	61	-6	56	58	4	0	TSRA RA MIFG BR	0		0.0	0.11	28.94	29.86	1.4	06	3.9	16	29	13	31	13		
14	67	51	59	-8	53	55	6	0	RA FG MIFG BCFG BR	0		0.0	T	28.83	29.75	5.9	32	7.1	24	31	17	33	14		
15	74	54	64	-3	51	57	1	0	TS TSRA RA	0		0.0	T	28.85	29.77	5.9	31	7.0	25	32	18	01	15		
16	76	49	63	-4	48	55	2	0	RA SQ	0		0.0	0.02	28.96	29.88	6.0	29	6.8	40	32	30	31	16		
17	75	51	63	-4	53	58	2	0	TSRA RA	0		0.0	0.04	28.99	29.91	1.0	15	2.8	17	05	14	13	17		
18	82	56	69	2	56	61	0	4	BR	0		0.0	0.00	29.08	30.00	9.1	14	9.8	22	14	18	14	18		
19	76	67	72	5	59	64	0	7	RA	0		0.0	0.04	29.15	30.06	11.8	17	12.0	36	15	29	15	19		
20	85	67	76	8	67	70	0	11	RA HZ	0		0.0	0.01	29.28	30.20	4.1	21	6.0	17	23	14	19	20		
21	84	65	75	6	66	69	0	10	RA BR HZ	0		0.0	T	29.36	30.28	4.8	11	6.8	28	36	21	36	21		
22	88	68	78	9	67	71	0	13	RA BCFG BR HZ	0		0.0	T	29.26	30.17	3.9	19	7.0	23	01	20	01	22		
23	90	70	80	11	63	69	0	15	HZ	0		0.0	0.00	29.17	30.08	5.6	22	5.8	23	18	17	19	23		
24	88	62	75	6	63	68	0	10	BR HZ	0		0.0	0.00	29.15	30.06	4.1	22	4.6	22	17	20	17	24		
25	90	68	79	10	67	71	0	14	HZ	0		0.0	0.00	29.08	29.98	4.7	22	6.2	17	18	15	18	25		
26	83	64	74	5	65	68	0	9	TSRA RA BR VCTS	0		0.0	0.31	28.95	29.85	4.1	25	7.6	22	17	20	18	26		
27	80	61	71	1	60	64	0	6		0		0.0	0.00	28.96	29.87	4.4	33	4.8	18	33	15	36	27		
28	83	58	71	1	62	66	0	6	MIFG BR	0		0.0	0.00	29.08	30.00	1.0	25	2.0	10	22	8	22	28		
29	86	62	74	4	64	68	0	9	BR HZ	0		0.0	0.00	29.14	30.06	6.8	18	7.1	20	17	16	17	29		
30	93*	71	82*	12	70	74	0	17	HZ	0		0.0	0.00	29.12	30.03	6.0	21	7.0	16	23	12	22	30		
79.2 58.4 68.8 ■■											< MONTHLY AVERAGES		TOTALS->		0.0	3.70	29.04	29.96	1.8	19	6.8	<- MONTHLY AVERAGES			
1.8 ■■											<-----DEPARTURE FROM NORMAL----->				-.35		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.99 DATE :03-04					SEA LEVEL PRESSURE					DATE TIME						
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0 DATE :					MAXIMUM					30.35 21 0553						
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :					MINIMUM					29.67 01 1553						
HEATING: 52 -16 6501 -1172									NUMBER OF DAYS WITH ➔		MAXIMUM TEMP ≥ 90: 3			MINIMUM TEMP ≤ 32: 0			PRECIPITATION ≥ 0.01 INCH : 11								
COOLING: 173 50 213 51											MAXIMUM TEMP ≤ 32 : 0			MINIMUM TEMP ≤ 0 : 0			PRECIPITATION ≥ 0.10 INCH : 6								
											THUNDERSTORMS : 7			HEAVY FOG : 0			SNOWFALL ≥ 1.0 INCH : 0								

JUNE 2002
MADISON, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MADISON, WI

JUNE 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													01												01			0.00
02													02		T		T	0.06	0.09	T	0.12	T			02			0.27
03	0.01	0.09			0.02	0.60	0.44	0.01					03		T	0.01	T		T	0.01	0.02	T	0.04	0.16	03	1.41		1.54
04	0.28	0.13	0.02	0.12	0.15	0.09	0.03	0.03	0.01	0.01	0.05	0.07	04	0.08				T	T	0.01	0.01	T	0.01		04	1.10		0.97
05							T	T					05										T		05			T
06													06												06			0.00
07													07												07			0.00
08													08												08			0.00
09													09												09			0.00
10												T	10		0.05				0.22	0.07	T			10			0.34	
11			0.01			0.01	0.03	T					11												11			0.05
12													12												12			0.00
13							T	0.02	T				13			0.01	T	0.01		0.01	0.05				13	0.10		0.11
14													14	T	T	T	T								14			T
15													15												15			T
16													16								0.02				16			0.02
17													17												17			0.04
18													18						T						18			0.00
19													19							0.02					19			0.04
20		T	0.01					0.01	0.01	0.01	T		20				T	0.01							20			0.01
21													21												21			T
22					T	T							22												22			T
23													23												23			0.00
24													24												24			0.00
25													25												25			0.00
26				0.25	0.01	0.02	0.02	0.01					26												26			0.31
27													27												27			0.00
28													28												28			0.00
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)	.15	.23	.35	.42	.54	.60	.67	.96	1.03	1.04	1.05	1.07
Ending Date	03	03	03	03	03	03	03	03	03	03	03	03
Ending Time (Hour/Min)	0537	0537	0537	0541	0546	0557	0622	0638	0649	0706	0706	0706

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
JUNE 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).

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.

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							2.50	10.00	
03							.75	10.00	
04							.50	10.00	
05							.50	10.00	
06							.50	10.00	
07							2.50	10.00	
08							6.00	10.00	
09							2.50	10.00	
10							2.00	10.00	
11							4.00	10.00	
12							1.75	10.00	
13							3.00	10.00	
14							.50	10.00	
15							10.00	10.00	
16							7.00	10.00	
17							7.00	10.00	
18							3.00	10.00	
19							5.00	10.00	
20							5.00	10.00	
21							4.00	10.00	
22							1.50	10.00	
23							4.00	8.00	
24							3.00	10.00	
25							4.00	10.00	
26							1.75	10.00	
27							10.00	10.00	
28							3.00	10.00	
29							6.00	10.00	
30							3.00	10.00	
MONTHLY AVGS							4.35	9.93	

SUNSHINE (MINUTES)

Total:

Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

30

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

0 14 6

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

JUNE 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: 0421 JUN 01						SUNSET: 1929						SUNRISE: 0418 JUN 07						SUNSET: 1934											
03	CLR	NC			10.00	56	52	54	87	0	00	28.87	29.78	03	CLR	NC			6.00	HZ	55	50	52	83	6	17	29.14	30.06	
06	CLR	NC			10.00	61	57	59	87	0	00	28.90	29.80	06	SCT	NC			4.00	BR	57	53	55	87	9	18	29.18	30.10	
09	CLR	NC			10.00	78	55	64	45	8	22	28.86	29.76	09	FEW	NC			7.00		66	56	60	70	9	20	29.19	30.11	
12	CLR	NC			10.00	84	57	67	40	10	24	28.82	29.73	12	CLR	NC			10.00		73	56	63	55	14	20	29.14	30.07	
15	SCT	NC			10.00	85	57	67	39	14	27	28.78	29.68	15	CLR	NC			10.00		76	54	63	47	14	19	29.09	30.01	
18	FEW	NC			10.00	83	50	63	32	10	30	28.77	29.68	18	CLR	NC			10.00		74	52	61	46	10	19	29.08	30.00	
21	CLR	NC			10.00	73	50	60	44	5	32	28.84	29.75	21	SCT	NC			10.00		68	55	60	63	8	19	29.11	30.03	
24	CLR	NC			10.00	57	45	51	64	3	07	28.90	29.80	24	CLR	NC			9.00		64	55	59	73	9	17	29.07	29.99	
SUNRISE: 0420 JUN 02						SUNSET: 1930						SUNRISE: 0418 JUN 08						SUNSET: 1935											
03	CLR	NC			10.00	53	48	50	83	5	02	28.93	29.84	03	CLR	NC			9.00		64	54	58	70	6	23	29.10	30.01	
06	FEW	NC			10.00	56	50	53	81	0	00	28.99	29.90	06	CLR	NC			6.00	HZ	63	55	58	76	8	18	29.11	30.03	
09	FEW	NC			10.00	68	47	56	47	0	00	28.99	29.91	09	CLR	NC			8.00		72	58	63	61	9	20	29.12	30.04	
12	FEW	NC			10.00	69	52	59	55	15	11	28.96	29.87	12	CLR	NC			10.00		78	62	68	58	8	23	29.12	30.03	
15	CLR	NC			10.00	64	51	57	63	10	07	28.98	29.90	15	FEW	NC			10.00		82	63	70	53	3	VR	29.08	29.99	
18	OVC	110			10.00	55	52	53	90	9	10	29.00	29.93	18	CLR	NC			10.00		80	65	70	60	6	19	29.09	30.00	
21	OVC	085			10.00	49	47	48	93	9	14	28.98	29.89	21	CLR	NC			10.00		74	63	67	69	5	20	29.13	30.04	
24	OVC	110			10.00	49	42	46	77	9	08	28.99	29.91	24	CLR	NC			6.00	BR	63	60	61	90	0	00	29.14	30.06	
SUNRISE: 0420 JUN 03						SUNSET: 1931						SUNRISE: 0418 JUN 09						SUNSET: 1935											
03	OVC	060			10.00	48	46	47	93	14	07	28.98	29.90	03	CLR	NC			4.00	MIFG BR	59	58	58	96	0	00	29.12	30.04	
06	OVC	029			1.50	50	50	50	100	22	02	29.04	29.98	06	CLR	NC			6.00	HZ	63	58	60	84	0	00	29.15	30.07	
09	SCT	NC			10.00	59	55	57	87	12	13	28.91	29.84	09	CLR	NC			8.00		76	59	65	56	5	16	29.15	30.06	
12	OVC	016			10.00	60	57	58	90	10	07	28.94	29.86	12	FEW	NC			10.00		82	57	66	43	12	16	29.13	30.04	
15	OVC	007			2.00	58	58	58	100	10	05	28.94	29.86	15	SCT	NC			10.00		85	59	68	42	13	16	29.05	29.97	
18	OVC	005			3.00	54	53	53	97	13	05	28.93	29.85	18	FEW	NC			10.00		82	61	69	49	7	17	29.01	29.92	
21	OVC	007			2.50	55	55	55	100	7	07	28.97	29.89	21	BKN	070			10.00		76	59	65	56	9	13	29.02	29.94	
24	OVC	005			1.50	54	54	54	100	7	12	28.95	29.87	24	CLR	NC			10.00		72	57	63	60	8	16	29.01	29.92	
SUNRISE: 0419 JUN 04						SUNSET: 1932						SUNRISE: 0418 JUN 10						SUNSET: 1936											
03	OVC	015			7.00	59	58	58	96	10	29	28.95	29.87	03	CLR	NC			7.00		67	61	63	81	3	18	28.99	29.90	
06	BKN	039			10.00	63	60	61	90	8	21	28.87	29.78	06	CLR	NC			4.00	HZ	71	66	68	84	8	17	28.99	29.90	
09	OVC	002			2.00	56	56	56	100	9	03	28.87	29.79	09	BKN	110			8.00		76	68	71	77	9	17	28.99	29.90	
12	OVC	032			2.50	55	55	55	100	17	12	28.87	29.79	12	BKN	035			7.00		80	70	73	71	14	19	28.97	29.87	
15	OVC	012			6.00	62	60	61	93	8	02	28.88	29.80	15	SCT	NC			10.00		84	69	74	61	17	18	28.90	29.81	
18	OVC	008			1.00	62	62	62	100	3	09	28.87	29.79	18	SCT	NC			10.00		82	68	73	63	9	18	28.89	29.79	
21	OVC	002			1.00	61	61	61	100	8	32	28.90	29.82	21	CLR	NC			10.00		72	66	68	82	13	18	28.91	29.81	
24	OVC	011			10.00	57	56	56	96	5	32	28.96	29.88	24	BKN	100			10.00		73	67	69	81	12	19	28.89	29.79	
SUNRISE: 0419 JUN 05						SUNSET: 1932						SUNRISE: 0418 JUN 11						SUNSET: 1936											
03	OVC	007			9.00	56	54	55	93	6	32	28.99	29.91	03	OVC	013			7.00		72	69	70	91	9	20	28.84	29.74	
06	OVC	008			8.00	55	53	54	93	6	31	29.02	29.95	06	BKN	100			5.00	BR	68	64	66	87	9	31	28.87	29.78	
09	OVC	015			10.00	56	52	54	87	6	32	29.06	29.99	09	BKN	100			8.00		71	65	67	81	5	VR	28.82	29.72	
12	OVC	013			10.00	58	53	55	84	9	36	29.09	30.03	12	SCT	NC			10.00		72	65	67	79	6	VR	28.90	29.80	
15	SCT	NC			10.00	62	53	57	73	8	02	29.08	30.01	15	SCT	NC			10.00		80	67	71	64	6	VR	28.85	29.75	
18	CLR	NC			10.00	61	52	56	72	5	07	29.10	30.03	18	FEW	NC			10.00		78	68	71	71	0	00	28.85	29.75	
21	CLR	NC			10.00	52	52	52	100	0	00	29.12	30.06	21	CLR	NC			10.00		73	68	70	84	6	21	28.88	29.79	
24	FEW	NC			1.00	47	47	47	100	0	00	29.14	30.07	24	CLR	NC			10.00		69	67	68	93	0	00	28.89	29.80	
SUNRISE: 0419 JUN 06						SUNSET: 1933						SUNRISE: 0417 JUN 12						SUNSET: 1937											
03	CLR	NC			4.00	46	46	46	100	0	00	29.13	30.06	03	OVC	023			6.00	BR	67	65	66	93	5	33	28.91	29.81	
06	CLR	NC			6.00	48	48	48	100	0	00	29.16	30.10	06	OVC	007			2.50	BR	66	63	64	90	5	08	28.95	29.86	
09	CLR	NC			10.00	61	51	56	70	0	00	29.16	30.09	09	OVC	005			2.00	BR	64	61	62	90	6	01	28.98	29.89	
12	CLR	NC			10.00	69	52	59	55	3	06	29.16	30.09	12	BKN	022			10.00		71	62	65	73	6	VR	29.00	29.92	
15	FEW	NC			10.00	72	55	62	55	8	13	29.14	30.07	15	FEW	NC			10.00		75	60	66	60	8	36	28.99	29.89	
18	FEW	NC			10.00	70	50	59	49	9	18	29.12	30.05	18	FEW	NC			10.00		70	60	64	71	10	06	29.00	29.92	
21	CLR	NC			10.00	60	49	54	67	7	16	29.12	30.05	21	CLR	NC			10.00		63	57	59	81	6	08	29.03	29.95	
24	CLR	NC			10.00	57	49	53	75	7	17	29.14	30.07	24	CLR	NC			8.00		59	56	57	90	8	14	29.02	29.94	

OBSERVATIONS AT 3-HOURLY INTERVALS

MADISON, WI

JUNE 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>Oktas</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>Oktas</small>		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL						
SUNRISE: 0417						JUN 13						SUNSET: 1937						SUNRISE: 0418						JUN 19						SUNSET: 1940					
03	OVC	015			6.00	BR	59	56	57	90	5	15	29.00	29.92	03	CLR	NC			10.00	69	52	59	55	14	16	29.08	29.99							
06	BKN	031			5.00	BR	59	55	57	87	0	00	28.98	29.89	06	CLR	NC			10.00	69	55	61	61	12	16	29.12	30.03							
09	OVC	060			10.00		61	55	58	81	3	10	28.98	29.89	09	SCT	NC			6.00	67	60	63	79	10	18	29.21	30.13							
12	SCT	NC			10.00		66	57	61	73	8	10	28.96	29.88	12	FEW	NC			7.00	73	62	66	69	18	18	29.14	30.06							
15	BKN	030			10.00	-RA	67	59	62	76	6	35	28.93	29.85	15	BKN	100			10.00	74	62	66	67	12	17	29.18	30.10							
18	BKN	110			10.00		65	59	61	81	0	00	28.88	29.80	18	CLR	NC			10.00	76	61	67	60	14	17	29.14	30.05							
21	CLR	NC			10.00		56	55	55	97	3	32	28.88	29.80	21	CLR	NC			8.00	71	61	65	71	7	17	29.17	30.09							
24	CLR	NC			5.00	MIFG	52	52	52	100	0	00	28.86	29.78	24	FEW	NC			8.00	73	60	65	64	10	19	29.20	30.11							
SUNRISE: 0417						JUN 14						SUNSET: 1938						SUNRISE: 0418						JUN 20						SUNSET: 1940					
03	SCT	NC			0.50	FG	54	53	53	97	0	00	28.82	29.73	03	CLR	NC			7.00	72	62	66	71	8	19	29.23	30.14							
06	CLR	NC			10.00		56	52	54	87	5	28	28.81	29.73	06	CLR	NC			6.00	72	64	67	76	12	17	29.23	30.14							
09	OVC	012			10.00		56	52	54	87	9	29	28.81	29.73	09	CLR	NC			7.00	78	66	70	67	9	23	29.28	30.19							
12	BKN	055			10.00		61	52	56	72	8	30	28.80	29.72	12	SCT	NC			8.00	83	69	74	63	8	24	29.30	30.21							
15	OVC	048			10.00		61	51	56	70	13	32	28.81	29.73	15	BKN	100			10.00	83	69	74	63	5	VR	29.30	30.21							
18	BKN	075			10.00		61	55	58	81	12	36	28.85	29.76	18	FEW	NC			10.00	82	71	74	69	5	32	29.31	30.22							
21	CLR	NC			10.00		57	53	55	87	5	VR	28.88	29.80	21	CLR	NC			8.00	73	70	71	90	0	00	29.33	30.24							
24	CLR	NC			10.00		56	53	54	90	7	VR	28.85	29.76	24	CLR	NC			8.00	68	66	67	93	0	00	29.36	30.27							
SUNRISE: 0417						JUN 15						SUNSET: 1938						SUNRISE: 0418						JUN 21						SUNSET: 1940					
03	CLR	NC			10.00		54	52	53	93	8	29	28.84	29.75	03	FEW	NC			10.00	66	63	64	90	0	00	29.36	30.28							
06	BKN	100			10.00		59	54	56	83	0	00	28.84	29.75	06	FEW	NC			10.00	65	60	62	84	8	03	29.42	30.35							
09	FEW	NC			10.00		66	56	60	70	8	29	28.84	29.75	09	CLR	NC			10.00	71	62	65	73	7	11	29.40	30.33							
12	SCT	NC			10.00		71	54	61	55	8	31	28.83	29.74	12	SCT	NC			10.00	82	67	72	60	10	13	29.38	30.30							
15	SCT	NC			10.00		74	50	60	43	10	29	28.81	29.72	15	SCT	NC			10.00	83	70	74	65	6	12	29.35	30.26							
18	FEW	NC			10.00		71	48	58	44	13	32	28.83	29.74	18	SCT	NC			10.00	81	70	73	69	7	12	29.32	30.24							
21	FEW	NC			10.00		59	48	53	67	8	36	28.91	29.83	21	CLR	NC			8.00	75	70	72	84	7	17	29.31	30.23							
24	CLR	NC			10.00		56	48	52	75	6	32	28.94	29.85	24	CLR	NC			4.00	73	70	71	90	3	14	29.33	30.24							
SUNRISE: 0417						JUN 16						SUNSET: 1939						SUNRISE: 0418						JUN 22						SUNSET: 1940					
03	CLR	NC			10.00		52	47	49	83	5	29	28.93	29.85	03	BKN	055			2.50	70	66	67	87	5	09	29.32	30.24							
06	CLR	NC			10.00		55	48	51	77	6	28	28.96	29.88	06	CLR	NC			1.50	71	68	69	90	0	00	29.33	30.25							
09	CLR	NC			10.00		68	48	57	49	7	VR	28.98	29.89	09	BKN	070			3.00	80	69	73	69	3	VR	29.34	30.25							
12	SCT	NC			10.00		73	48	59	41	8	26	28.97	29.88	12	CLR	NC			8.00	84	69	74	61	7	VR	29.29	30.20							
15	SCT	NC			10.00		75	45	58	34	12	29	28.94	29.85	15	SCT	NC			10.00	88	69	75	54	10	21	29.20	30.11							
18	FEW	NC			10.00		71	45	57	39	6	29	28.95	29.86	18	CLR	NC			10.00	86	66	73	51	9	21	29.17	30.08							
21	BKN	095			10.00		56	53	54	90	0	00	28.99	29.91	21	CLR	NC			8.00	78	67	71	69	7	18	29.19	30.10							
24	SCT	NC			10.00		55	52	53	90	3	23	28.98	29.89	24	CLR	NC			8.00	76	63	68	64	5	18	29.18	30.09							
SUNRISE: 0417						JUN 17						SUNSET: 1939						SUNRISE: 0418						JUN 23						SUNSET: 1941					
03	CLR	NC			10.00		53	51	52	93	0	00	28.96	29.87	03	CLR	NC			8.00	72	63	66	73	0	00	29.18	30.09							
06	BKN	120			10.00		58	52	55	81	0	00	28.99	29.90	06	CLR	NC			4.00	73	63	67	71	5	21	29.18	30.09							
09	BKN	095			10.00		66	52	58	61	3	30	29.00	29.93	09	CLR	NC			6.00	82	65	71	56	8	23	29.21	30.11							
12	BKN	100			10.00		69	51	59	53	0	00	28.99	29.91	12	FEW	NC			8.00	87	62	71	43	9	23	29.20	30.11							
15	SCT	NC			10.00		71	56	62	59	7	18	28.99	29.90	15	CLR	NC			8.00	89	62	71	41	10	21	29.12	30.03							
18	SCT	NC			10.00		72	53	61	52	3	08	28.98	29.89	18	CLR	NC			7.00	86	59	69	40	7	22	29.13	30.04							
21	SCT	NC			10.00		65	55	59	70	8	07	29.01	29.93	21	CLR	NC			7.00	73	64	67	74	3	20	29.16	30.08							
24	CLR	NC			8.00		59	56	57	90	5	14	29.04	29.96	24	CLR	NC			5.00	71	62	65	73	0	00	29.16	30.07							
SUNRISE: 0418						JUN 18						SUNSET: 1939						SUNRISE: 0419						JUN 24						SUNSET: 1941					
03	OVC	065			5.00	BR	58	55	56	90	7	13	29.06	29.98	03	CLR	NC			5.00	63	61	62	93	0	00	29.16	30.08							
06	CLR	NC			5.00	BR	60	56	58	86	5	11	29.10	30.02	06	CLR	NC			3.00	72	63	66	73	6	20	29.16	30.08							
09	CLR	NC			10.00		70	57	62	64	9	13	29.11	30.03	09	CLR	NC			6.00	81	64	70	57	6	23	29.18	30.10							
12	FEW	NC			10.00		79	57	65	47	14	17	29.08	30.00	12	FEW	NC			8.00	85	61	69	45	7	23	29.19	30.10							
15	FEW	NC			10.00		81	51	63	35	14	18	29.05	29.97	15	CLR	NC			10.00	87	63	71	45	8	25	29.13	30.04							
18	FEW	NC			10.00		78	54	64	43	10	16	29.05	29.97	18	CLR	NC			8.00	85	61	69	45	7	22	29.09	30.00							
21	CLR	NC			10.00		70	57	62	64	12	14	29.08	30.00	21	CLR	NC			7.00	71	65	67	81	0	00	29.16	30.08							
24	CLR	NC			10.00		69	54	60	59	10	16	29.11	30.02	24																				

MADISON, WI

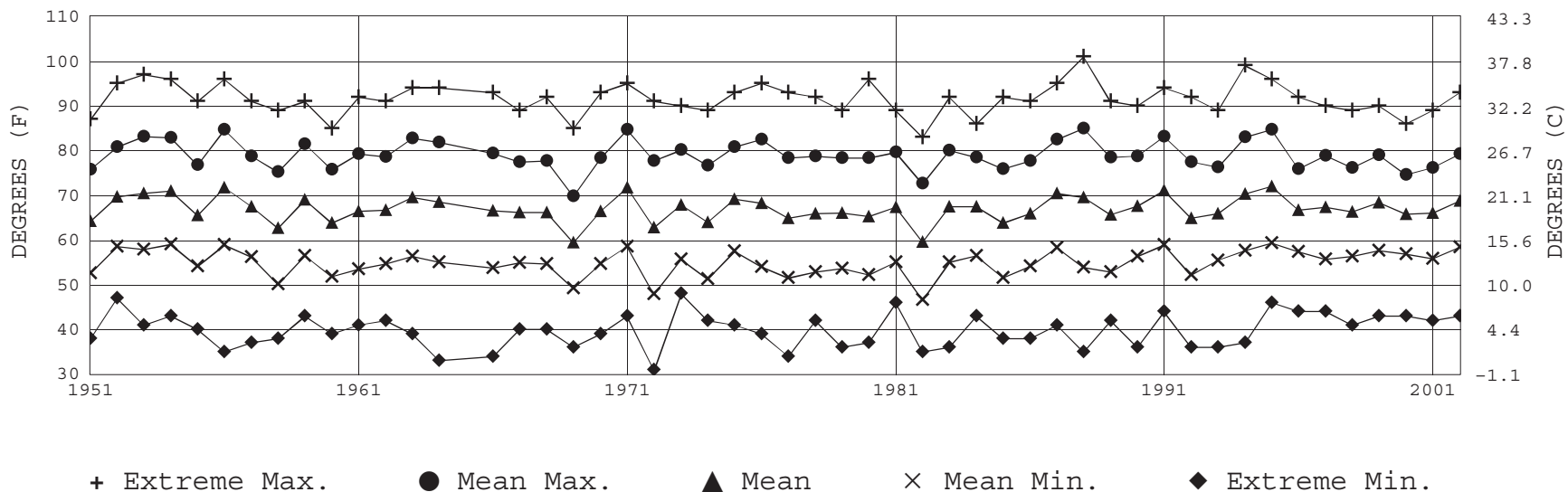
JUNE 2002

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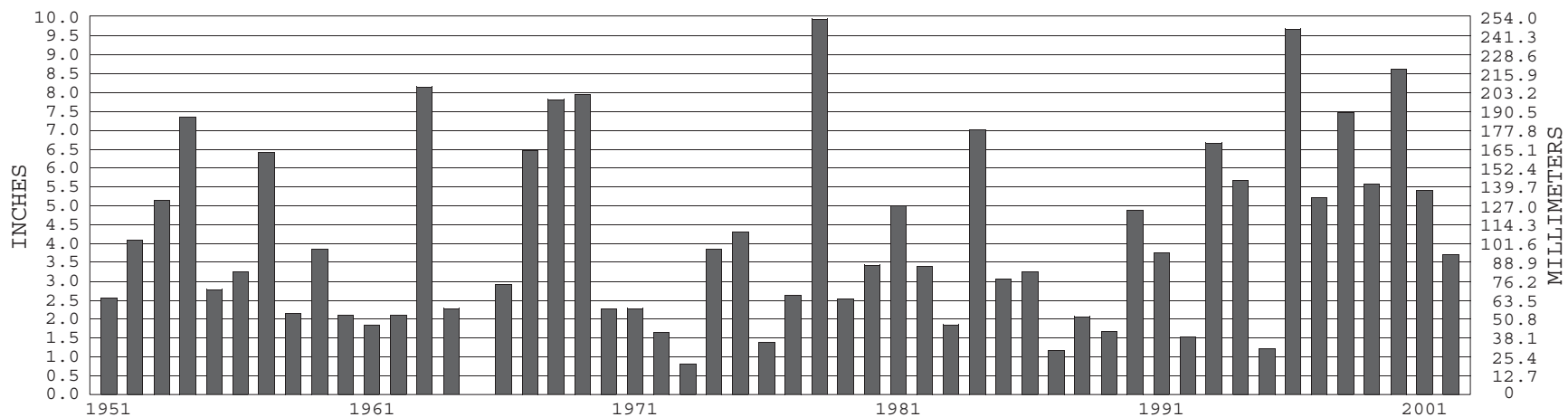
Hour (LST)				Satellite		Weather	Temperature °F			Relative Humidity (Pct)	Wind		Pressure (Inches,Hg)		Hour (LST)				Satellite		Weather	Temperature °F			Relative Humidity (Pct)	Wind		Pressure (Inches,Hg)	
	Sky Cover	Ceiling 100'S OffT	Observation Time (LST)	Eff ClD AMT Okta's	Visibility (Miles)		Dry Bulb	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 Okta's	Visibility (Miles)		Dry Bulb	Dew Point	Wet Bulb		Speed (MPH)	Direction Tens of Deg	Station	Sea Level
03	CLR	NC			6.00	HZ	74	64	68	71	5	23	29.12	30.02															
06	CLR	NC			4.00	HZ	74	66	69	76	5	20	29.11	30.02															
09	CLR	NC			8.00		83	69	74	63	7	23	29.11	30.02															
12	FEW	NC			10.00		87	66	73	50	7	VR	29.10	30.01															
15	SCT	NC			10.00		90	62	72	39	9	25	29.06	29.96															
18	FEW	NC			10.00		86	67	73	53	6	32	29.02	29.93															
21	CLR	NC			10.00		80	69	73	69	14	18	29.01	29.91															
24	CLR	NC			10.00		77	69	72	77	6	20	29.00	29.91															
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 Visibility = 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.																													
Summary by Hour																													
Hour (LST)	Ceilometer	Eff ClD AMT	Dry Bulb	Dew Point	Wet Bulb	Relative Humidity	Pressure (Inches,Hg)		Visibility (Miles)	Wind Speed (MPH)	Resultant Wind (MPH)																		
							Station	Sea Level			Speed	Direction																	
01			63	58	60	85	29.04	29.95	7.63	4	2	17																	
02			62	57	59	85	29.03	29.95	7.13	5	2	17																	
03			62	57	59	86	29.04	29.96	7.27	5	1	19																	
04			61	57	59	88	29.05	29.96	6.73	4	1	20																	
05			61	57	59	87	29.05	29.96	6.12	5	2	17																	
06			63	58	60	84	29.06	29.98	6.65	5	1	19																	
07			66	59	62	79	29.06	29.97	6.49	7	3	17																	
08			68	59	63	74	29.06	29.98	7.92	7	3	19																	
09			70	59	64	70	29.06	29.98	8.20	6	2	22																	
10			72	60	64	67	29.07	29.99	8.80	9	2	24																	
11			74	60	65	63	29.07	29.98	9.13	8	2	21																	
12			75	60	66	60	29.05	29.97	9.25	8	4	19																	
13			77	60	66	57	29.04	29.96	9.57	8	4	20																	
14			77	60	66	58	29.04	29.95	9.37	8	4	20																	
15			78	60	66	57	29.03	29.94	9.53	9	3	21																	
16			77	60	66	57	29.02	29.93	9.28	8	2	19																	
17			77	59	66	58	29.01	29.93	9.05	8	3	18																	
18			75	60	65	61	29.02	29.93	9.27	7	2	19																	
19			72	60	65	68	29.03	29.94	8.85	6	1	16																	
20			69	60	64	74	29.03	29.95	8.66	5	2	16																	
21			68	60	63	78	29.04	29.96	8.92	6	3	16																	
22			66	59	62	80	29.05	29.96	8.68	6	2	17																	
23			65	59	61	80	29.05	29.97	8.37	4	1	18																	
24			64	58	60	82	29.05	29.96	7.98	5	3	17																	

MADISON, WI JUNE TEMPERATURES



Long-Term (1951-2002) Mean: 65.7 1961-1990 Normal: .0

MADISON, WI JUNE PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 4.08

1961-1990 Normal: 0.00



JUNE 2002
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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