



# MARCH 2002

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

## DUBUQUE, IA

MUNICIPAL AIRPORT (DBQ)

Lat: 42°23' N Long: 90°42' W Elev (Ground): 1069 Feet

Time Zone: CENTRAL WBAN: 94908 ISSN #:0198-2087

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	23	14	19	-10	13	18	46	0	SN BR HZ			3.5	0.35	29.06	30.28	10.1	04	12.4	22	07	18	06	01								
02	24	14	19	-10	16	19	46	0	SN BR UP			3.6	0.26	28.74	29.94	18.0	36	19.2	33	33	26	33	02								
03	14	-10	2*	-28	-7	2	63	0	SN			T	T	28.92	30.14	13.8	30	15.1	30	28	24	27	03								
04	19	-13*	3	-27	-1	3	62	0	SN BR			0.3	0.01	28.89	30.13	9.8	19	11.1	25	18	22	17	04								
05	32	5	19	-11	17	20	46	0	SN BR			0.2	0.01	28.90	30.11	3.4	11	7.3	20	13	17	14	05								
06	32	18	25	-6	23	25	40	0	FG+ FZFG BR HZ			0.0	0.00	28.90	30.10	12.9	04	13.1	23	05	20	04	06								
07	39	26	33	2	26	29	32	0	RA BR HZ			0.0	T	28.92	30.12	10.4	08	12.0	28	11	22	11	07								
08	54	39	47	16	43	45	18	0	RA FG+ BR			0.0	0.11	28.60	29.76	7.1	16	11.8	33	21	29	20	08								
09	56	15	36	4	23	27	29	0	RA FZRA SN BR UP			0.2	0.43	28.68	29.86	23.9	26	28.5	58*	28	46*	28	09								
10	25	9	17	-15	7	15	48	0				0.0	0.00	29.26	30.49	10.7	28	13.2	41	29	35	28	10								
11	45	22	34	1	23	29	31	0				0.0	0.00	28.89	30.08	8.5	18	10.4	26	15	21	19	11								
12	51	24	38	5	29	34	27	0	BR			0.0	0.00	28.78	29.96	5.4	18	9.2	20	18	16	18	12								
13	54	34	44	11	33	39	21	0	BR HZ			0.0	0.00	28.66	29.82	1.7	28	10.6	22	19	17	04	13								
14	44	32	38	4	33	36	27	0	BR HZ			0.0	0.00	28.51	29.67	13.5	06	15.9	31	06	25	06	14								
15	41	32	37	3	25	32	28	0				0.0	0.00	28.75	29.93	10.9	31	16.4	37	24	29	25	15								
16	45	27	36	1	21	30	29	0				0.0	0.00	29.11	30.31	8.0	06	9.6	20	08	15	08	16								
17	38	30	34	-1	28	31	31	0	SN BR			T	T	28.92	30.11	7.7	07	9.1	22	09	18	09	17								
18	46	30	38	2			27	0	BR HZ			0.0	0.00					6.6	13	35	13	35	18								
19	46	30	38	2			27	0	RA SN FG BR HZ			0.0	0.23					7.8	20	01	16	01	19								
20	48	34	41	5	32	36	24	0	BR			0.0	0.00	28.97	30.15	5.0	30	9.9	30	31	25	31	20								
21	36	13	25	-12			40	0	SN BR UP			0.4	0.02					21.5	35	30	29	30	21								
22	35	13	24	-13	9	20	41	0				0.0	0.00	29.09		17.3	27	17.7	35	28	29	27	22								
23	46	18	32	-6	15	28	33	0				0.0	0.00	28.82	30.01	7.1	27	10.7	23	27	20	28	23								
24	38	24	31	-7	16	27	34	0				0.0	0.00	28.92	30.11	14.9	05	15.1	31	06	25	05	24								
25	34	17	26	-12	10	21	39	0				0.0	0.00	29.12	30.33	16.5	05	16.7	35	04	28	04	25								
26	42	19	31	-8	16	25	34	0				0.0	0.00	29.06	30.26	6.7	02	7.5	23	02	18	03	26								
27	52	24	38	-1	21	32	27	0				0.0	0.00	28.95	30.14	10.4	17	10.8	28	17	23	17	27								
28	60*	34	47*	7	32	39	18	0	RA BR UP			0.0	0.08	28.66	29.82	8.3	20	12.9	28	15	23	16	28								
29	59	33	46	6	27	38	19	0	RA			0.0	T	28.63	29.79	8.6	27	9.9	30	29	26	28	29								
30	50	31	41	0	21	33	24	0				0.0	0.00	28.83	30.00	13.8	27	14.7	32	27	29	27	30								
31	47	27	37	-4	23	31	28	0	SN BR			0.5	0.05	28.87	30.05	10.0	28	12.1	35	26	29	26	31								
41.1 21.5 31.3 ■■ ■■										33.5 0.0		< MONTHLY AVERAGES		TOTALS->						12.9		<- MONTHLY AVERAGES									
-2.2 -4.7 -3.5 ■■ ■■										<-----DEPARTURE FROM NORMAL----->										-1.02		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.43 DATE :09				SEA LEVEL PRESSURE DATE TIME																		
MONTHLY									GREATEST 24-HR SNOWFALL: 3.6 DATE :02				MAXIMUM																		
TOTAL DEPARTURE									GREATEST SNOW DEPTH: DATE :				MINIMUM																		
HEATING: 1039 72 5484 -1050									NUMBER OF DAYS WITH ➡				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 26				PRECIPITATION ≥ 0.01 INCH : 10										
COOLING: 0 0 0 0													MAXIMUM TEMP ≤ 32 : 7				MINIMUM TEMP ≤ 0 : 2				PRECIPITATION ≥ 0.10 INCH : 5										
													THUNDERSTORMS : 0				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH : 2										

MARCH 2002  
DUBUQUE, IA

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

DUBUQUE, IA

MARCH 2002

DBQ

WBAN # 94908

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	T	T	T	T	T	T	T	T	0.02	0.01	0.01	T	01	0.04		0.35
02	0.01	T	0.01	T	0.01	T	T	0.01	T	T	T	T	02	T	T	T	T	T	T	T	T	T	T	T	T	02			0.26
03	T												03													03	T		T
04													04		T	T	T	T	T	T						04			0.01
05								T	0.01	T	T		05									T				05			0.01
06													06													06			0.00
07													07												T	07			T
08			T	0.08	T	0.02	T	T	T	T	T	T	08					T	T		0.01		T			08			0.11
09		0.01		0.32	0.10	T							09	T	T	T	T	T	T					T		09			0.43
10													10													10			0.00
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	T	T											17			T
18													18													18			0.00
19													19				T	0.01	0.01	0.05	0.10	0.04	0.02	T		19			0.23
20													20													20			0.00
21			T	T	T	T	T	0.01					21													21		0.01	0.02
22													22													22			0.00
23													23													23			0.00
24													24													24			0.00
25													25													25			0.00
26													26													26			0.00
27													27													27			0.00
28						T	T	0.01	0.07				28													28			0.08
29							T	T					29													29			T
30													30													30			0.00
31					T	0.01	0.03	T	T			0.01	31													31			0.05

## 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.

\* = 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

**DUBUQUE, IA  
MARCH 2002**

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

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

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

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

ERRATA for Jan & Feb 2002 LCD's: To stay consistent with the Heating Degree Day Season (July 2001 – June 2002), NCDC reinstalled the 1961 – 1990 Heating Degree Day Normals and corrected the Jan & Feb 2002 LCD's. The corrected LCD's are available on NCDC's Website. The 1971 – 2000 Heating Degree Day Normals will go into effect with the July 2002 LCD. The new Cooling Degree Day Normals went into effect with the Jan 2002 LCD.

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## OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

MARCH 2002

DBQ

WBAN # 94908

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 <i>Okta</i>		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 <i>Okta</i>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0638					MAR 01	SUNSET: 1752					SUNRISE: 0628					MAR 07	SUNSET: 1760												
03	CLR	NC			10.00		16	9	14	74	9	32	29.06	30.27	03	OVC	015			9.00		26	20	24	78	12	04	29.02	30.23
06	CLR	NC			10.00		14	9	13	80	13	36	29.09	30.31	06	OVC	022			10.00		26	19	24	75	7	04	29.03	30.21
09	OVC	085			10.00		16	8	14	71	10	05	29.17	30.38	09	OVC	026			9.00		28	22	26	78	13	08	29.01	30.21
12	OVC	070			10.00		21	9	18	59	12	04	29.14	30.36	12	OVC	013			8.00		32	26	30	79	13	11	28.97	30.17
15	BKN	041			5.00	HZ	22	16	20	78	15	07	29.07	30.29	15	OVC	009			5.00	BR	33	29	31	85	12	08	28.91	30.10
18	OVC	065			10.00		22	17	20	82	15	06	29.02	30.24	18	OVC	015			5.00	BR	34	30	32	85	14	08	28.85	30.03
21	VV	004			0.75	-SN BR	22	20	21	92	14	05	28.98	30.19	21	OVC	011			4.00	BR	34	32	33	92	14	09	28.77	29.95
24	OVC	008			1.00	-SN BR	22	20	21	92	15	04	28.91	30.11	24	BKN	080			3.00	BR	38	36	37	93	17	14	28.67	29.85
SUNRISE: 0637					MAR 02	SUNSET: 1754					SUNRISE: 0627					MAR 08	SUNSET: 1801												
03	OVC	010			2.50	-SN BR	23	22	23	96	12	04	28.80	29.99	03	FEW	NC			4.00	BR	45	43	44	93	21	18	28.56	29.72
06	OVC	019			1.50	-SN BR	23	21	22	92	17	01	28.74	29.93	06	CLR	NC			9.00		45	43	44	93	10	18	28.56	29.72
09	VV	008			0.75	-SN BR	20	18	19	92	17	36	28.74	29.94	09	OVC	011			1.50	BR	42	41	42	96	7	28	28.66	29.84
12	OVC	013			6.00	-SN	20	15	19	81	18	36	28.69	29.89	12	OVC	007			2.50	BR	44	41	43	89	3	06	28.66	29.83
15	OVC	010			1.00	-SN BR	18	15	17	88	21	35	28.68	29.88	15	OVC	005			1.75	BR	43	41	42	93	10	02	28.63	29.80
18	OVC	024			0.75	-SN BR	17	14	16	88	22	34	28.70	29.91	18	OVC	033			1.25	BR	45	44	45	97	7	13	28.61	29.78
21	OVC	060			3.00	-SN BR	16	12	15	84	21	33	28.74	29.94	21	OVC	045			10.00		54	49	51	83	18	16	28.55	29.70
24	OVC	055			4.00	-SN	14	7	12	73	21	34	28.76	29.97	24	OVC	065			10.00		53	49	51	86	17	15	28.43	29.58
SUNRISE: 0635					MAR 03	SUNSET: 1755					SUNRISE: 0625					MAR 09	SUNSET: 1801												
03	OVC	050			10.00		10	-2	8	58	15	32	28.78	29.99	03	BKN	020			8.00		56	52	54	87	23	16	28.28	29.41
06	CLR	NC			10.00		4	-6	2	63	14	32	28.84	30.06	06	OVC	003			3.00	UP BR	37	36	37	96	23	25	28.32	29.48
09	CLR	NC			10.00		5	-5	3	63	18	31	28.90	30.11	09	OVC	014			6.00	BR	24	20	23	84	30	27	28.49	29.65
12	CLR	NC			10.00		6	-5	4	60	18	29	28.93	30.16	12	OVC	017			1.25	-SN BR	20	16	19	85	32	27	28.61	29.79
15	CLR	NC			10.00		6	-9	4	49	20	28	28.95	30.18	15	OVC	020			1.25	-SN	22	17	20	82	33	28	28.78	29.95
18	FEW	NC			10.00		2	-8	0	63	15	29	29.00	30.24	18	OVC	028			9.00	-SN	21	13	19	71	38	27	28.96	30.16
21	CLR	NC			10.00		-2	-10	-3	68	10	27	29.01	30.25	21	BKN	029			10.00		18	9	16	68	32	27	29.09	30.30
24	CLR	NC			10.00		-10	-15	-10	78	5	22	28.98	30.24	24	BKN	025			10.00		15	5	13	64	28	28	29.17	30.40
SUNRISE: 0633					MAR 04	SUNSET: 1756					SUNRISE: 0623					MAR 10	SUNSET: 1802												
03	CLR	NC			10.00		-12	-18	-13	74	7	21	28.97	30.22	03	CLR	NC			10.00		12	1	10	61	21	28	29.23	30.45
06	SCT	NC			10.00		-11	-16	-12	78	6	19	28.95	30.20	06	CLR	NC			10.00		9	-1	7	64	17	29	29.28	30.52
09	CLR	NC			10.00		-2	-8	-3	75	12	18	28.92	30.17	09	CLR	NC			10.00		14	1	11	56	21	30	29.36	30.59
12	OVC	055			8.00		9	-1	7	64	17	17	28.86	30.10	12	CLR	NC			10.00		20	6	16	55	13	32	29.36	30.59
15	OVC	024			2.00	-SN	12	6	11	77	20	19	28.82	30.06	15	CLR	NC			10.00		24	11	20	57	12	26	29.30	30.53
18	OVC	060			2.50	-SN BR	14	10	13	84	13	19	28.84	30.07	18	SCT	NC			10.00		24	11	20	57	8	21	29.21	30.43
21	OVC	043			9.00		14	11	13	88	8	23	28.87	30.10	21	CLR	NC			10.00		23	14	20	68	0	00	29.20	30.42
24	BKN	023			10.00		17	12	16	80	8	30	28.92	30.14	24	CLR	NC			10.00		22	13	19	68	7	15	29.12	30.34
SUNRISE: 0632					MAR 05	SUNSET: 1757					SUNRISE: 0622					MAR 11	SUNSET: 1803												
03	CLR	NC			8.00		8	5	7	87	7	22	28.96	30.19	03	CLR	NC			10.00		23	14	20	68	17	15	29.01	30.22
06	OVC	070			10.00		15	11	14	84	0	00	28.96	30.19	06	CLR	NC			10.00		26	18	23	71	17	17	28.93	30.14
09	OVC	040			1.50	-SN BR	18	15	17	88	6	17	29.01	30.23	09	CLR	NC			10.00		32	23	29	69	17	17	28.90	30.09
12	OVC	095			10.00		27	20	25	75	14	14	28.93	30.14	12	CLR	NC			10.00		41	27	35	57	15	19	28.86	30.04
15	CLR	NC			9.00		30	21	27	69	12	13	28.87	30.08	15	CLR	NC			10.00		44	28	37	53	10	21	28.79	29.97
18	CLR	NC			8.00		30	23	28	75	7	09	28.84	30.03	18	BKN	120			10.00		40	27	35	60	0	00	28.82	30.00
21	FEW	NC			6.00	BR	24	20	23	84	8	04	28.83	30.03	21	CLR	NC			10.00		34	25	31	70	0	00	28.83	30.01
24	CLR	NC			4.00	BR	22	19	21	89	10	03	28.80	29.99	24	CLR	NC			10.00		27	24	26	89	0	00	28.85	30.03
SUNRISE: 0630					MAR 06	SUNSET: 1759					SUNRISE: 0620					MAR 12	SUNSET: 1804												
03	CLR	NC			4.00	BR	20	18	19	92	12	03	28.80	30.00	03	CLR	NC			8.00		30	26	29	85	7	01	28.84	30.02
06	CLR	NC			3.00	BR	19	17	18	92	10	02	28.82	30.02	06	CLR	NC			6.00	BR	26	23	25	88	5	03	28.86	30.04
09	OVC	001			0.50	FZFG	22	21	22	96	13	03	28.87	30.07	09	CLR	NC			8.00		36	30	34	79	6	16	28.87	30.05
12	OVC	001			1.00	BR	28	26	27	92	15	04	28.90	30.09	12	CLR	NC			10.00		45	30	39	56	6	20	28.83	30.01
15	OVC	009			4.00	BR	32	28	30	85	14	04	28.92	30.12	15	CLR	NC			10.00		50	31	42	48	12	19	28.76	29.94
18	OVC	011			4.00	BR	30	26	29	85	15	04	28.96	30.17															

## OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

MARCH 2002

DBQ

WBAN # 94908

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: 0618 MAR 13						SUNSET: 1806						SUNRISE: 0608 MAR 19						SUNSET: 1813											
03	CLR	NC			9.00	BR	35	31	33	85	14	19	28.61	29.77	03														
06	CLR	NC			6.00		34	31	33	89	10	20	28.58	29.75	06														
09	CLR	NC			8.00		43	32	38	65	14	23	28.60	29.76	09					4.00	HZ	37	32	35	82	8	12	28.96	30.15
12	SCT	NC			10.00		51	38	45	61	14	32	28.64	29.80	12	OVC	028			4.00	HZ	39	33	37	79	6	04	28.93	30.12
15	CLR	NC			10.00		53	34	44	49	9	34	28.64	29.81	15	OVC	016			1.50	BR	38	36	37	93	9	36	28.91	30.09
18	BKN	120			10.00	45	34	40	66	9	36	28.68	29.85	18	OVC	002			0.75	-RA BR	38	37	38	97	8	36	28.92	30.09	
21	CLR	NC			10.00	40	33	37	77	9	02	28.74	29.91	21	OVC	004			5.00	RA BR	36	34	35	93	14	01	28.92	30.09	
24	OVC	110			10.00	38	30	35	73	14	03	28.75	29.92	24	OVC	002			3.00	BR	34	33	34	97	12	36	28.91	30.09	
SUNRISE: 0617 MAR 14						SUNSET: 1807						SUNRISE: 0606 MAR 20						SUNSET: 1814											
03	OVC	100			10.00	38	26	33	62	14	06	28.72	29.89	03	OVC	004			4.00	BR	34	32	33	92	10	36	28.92	30.10	
06	OVC	033			8.00	36	31	34	82	17	07	28.69	29.86	06	OVC	006			4.00	BR	35	33	34	93	10	35	28.96	30.14	
09	OVC	025			8.00	38	31	35	76	15	07	28.63	29.80	09	OVC	009			6.00	BR	36	32	34	86	9	33	29.02	30.21	
12	OVC	016			6.00	HZ	42	35	39	76	16	06	28.51	29.67	12	BKN	023			10.00	41	31	37	67	3	32	29.03	30.22	
15	OVC	014			4.00	HZ	44	38	41	79	20	07	28.38	29.54	15	CLR	NC			10.00	46	31	40	56	13	25	28.98	30.16	
18	CLR	NC			5.00	HZ	41	36	39	82	22	05	28.34	29.50	18	CLR	NC			10.00	45	32	39	61	12	22	28.94	30.12	
21	CLR	NC			7.00	38	34	36	86	12	05	28.31	29.47	21	CLR	NC			9.00		37	32	35	82	10	21	28.95	30.14	
24	OVC	011			4.00	BR	38	36	37	93	16	24	28.40	29.56	24	OVC	019			8.00	37	31	35	79	22	32	28.96	30.14	
SUNRISE: 0615 MAR 15						SUNSET: 1808						SUNRISE: 0604 MAR 21						SUNSET: 1815											
03	OVC	016			10.00	37	31	35	79	28	26	28.47	29.63	03	OVC	014			3.00	-SN	28	23	26	81	21	32	29.05	30.24	
06	OVC	021			10.00	33	26	30	75	20	28	28.60	29.77	06	OVC	016			2.00	-SN BR	18	14	17	84	23	32	29.21	30.41	
09	OVC	025			10.00	32	23	29	69	18	32	28.70	29.88	09	CLR	NC			10.00		14	0	11	53	24	34	29.31	30.53	
12	OVC	031			10.00	35	23	31	61	18	33	28.79	29.97	12	FEW	NC			10.00		18	3	14	52	23	30	29.34	30.56	
15	BKN	037			10.00	40	25	34	55	14	01	28.81	29.98	15															
18	OVC	035			10.00	36	24	32	62	14	36	28.89	30.07	18	FEW	NC			10.00		17	2	14	51	25	31	29.31		
21	OVC	031			10.00	34	24	30	67	9	03	28.97	30.16	21	CLR	NC			10.00		14	3	12	61	21	31	29.33		
24	OVC	031			10.00	34	23	30	64	8	01	29.02	30.21	24	CLR	NC			10.00		13	4	11	67	17	29	29.28		
SUNRISE: 0613 MAR 16						SUNSET: 1809						SUNRISE: 0603 MAR 22						SUNSET: 1816											
03	OVC	027			10.00	32	24	29	73	7	36	29.06	30.25	03	CLR	NC			10.00		13	5	11	70	16	30	29.23		
06	CLR	NC			10.00	27	22	25	81	9	03	29.10	30.30	06	CLR	NC			10.00		13	6	11	74	21	27	29.21	30.44	
09	CLR	NC			10.00	32	23	29	69	7	06	29.17	30.37	09	CLR	NC			10.00		20	8	17	60	22	26	29.18	30.40	
12	CLR	NC			10.00	40	20	33	45	8	10	29.19	30.38	12	CLR	NC			10.00		30	8	24	39	22	27	29.11	30.32	
15	CLR	NC			10.00	45	21	36	39	14	09	29.12	30.31	15	CLR	NC			10.00		35	10	27	35	22	28	29.02	30.23	
18	CLR	NC			10.00	41	22	34	47	9	08	29.09	30.28	18	CLR	NC			10.00		32	10	25	40	18	27	28.97	30.18	
21	CLR	NC			10.00	36	17	29	46	13	08	29.10	30.30	21	CLR	NC			10.00		28	13	23	53	13	26	28.95	30.16	
24	CLR	NC			10.00	30	17	26	59	8	08	29.07	30.26	24	CLR	NC			10.00		25	15	22	66	12	24	28.92	30.11	
SUNRISE: 0611 MAR 17						SUNSET: 1810						SUNRISE: 0601 MAR 23						SUNSET: 1817											
03	OVC	110			10.00	32	23	29	69	13	07	29.02	30.21	03	CLR	NC			10.00		19	13	17	77	7	21	28.87	30.06	
06	OVC	090			10.00	31	24	28	76	12	06	28.95	30.14	06	CLR	NC			10.00		23	12	20	63	13	23	28.83	30.01	
09	OVC	080			10.00	33	25	30	72	16	09	28.93	30.12	09	CLR	NC			10.00		34	15	28	46	16	27	28.83	30.01	
12	OVC	019			9.00	36	27	32	70	10	10	28.91	30.09	12	CLR	NC			10.00		41	17	32	38	9	31	28.82	30.00	
15	OVC	016			8.00	36	29	33	76	8	07	28.85	30.03	15	CLR	NC			10.00		45	13	34	27	12	26	28.79	29.97	
18	OVC	021			6.00	BR	34	31	33	89	5	03	28.86	30.04	18	CLR	NC			10.00		39	13	30	34	5	28	28.78	29.97
21	OVC	007			5.00	BR	34	32	33	92	6	01	28.90	30.08	21	CLR	NC			10.00		37	17	30	44	8	36	28.83	30.01
24	OVC	028			4.00	BR	33	32	33	96	7	34	28.92	30.11	24	OVC	110			10.00		35	16	29	46	9	04	28.86	30.03
SUNRISE: 0610 MAR 18						SUNSET: 1811						SUNRISE: 0559 MAR 24						SUNSET: 1818											
03	OVC	034			3.00	BR	32	30	31	92	0	00	28.97	30.16	03	OVC	046			10.00		32	17	27	54	14	04	28.85	30.02
06	OVC	012			5.00	BR	33	30	32	89	6	34	29.02	30.21	06	OVC	100			10.00		31	16	26	54	13	03	28.85	30.03
09	BKN	014			6.00	HZ	37	32	35	82	8	31	29.09	30.28	09	BKN	065			10.00		32	16	27	52	13	05	28.90	30.08
12	BKN	018			10.00		41	30	37	65	7	02	29.12	30.31	12	OVC	075			10.00		36	16	29	44	15	05	28.91	30.09
15	CLR	NC			9.00		45	31	39	58	6	02	29.09	30.28	15	FEW	NC			10.00		36	16	29	44	18	04	28.91	30.09
18	CLR	NC			10.00		42	30	37	62	9	04	29.07	30.26	18	FEW	NC			10.00		35	14	28	42	16	05	28.94	30.13
21														21	OVC	110			10.00		28	16	24	61	16	05	29.04	30.24	
24														24	BKN	095			10.00		24	12	21	60	18	05	29.07	30.27	

## OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

MARCH 2002

DBQ

WBAN # 94908

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
				OBSERVATION TIME (LST)	EFF CLD AMT Okta		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL					OBSERVATION TIME (LST)	EFF CLD AMT Okta		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
				SUNRISE: 0558		MAR 25	SUNSET: 1820																						
03	BKN	100			10.00		19	5	16	54	17	04	29.12	30.33	03	BKN	095			10.00		28	21	26	75	6	21	28.87	30.05
06	OVC	100			10.00		17	9	15	70	21	05	29.11	30.32	06	OVC	028			1.75	-SN BR	31	30	31	96	5	28	28.92	30.10
09	OVC	120			10.00		20	11	17	68	22	04	29.15	30.36	09	OVC	003			4.00	BR	33	32	33	96	9	22	28.91	30.09
12	CLR	NC			10.00		29	10	23	45	17	07	29.14	30.35	12	BKN	037			10.00		41	27	35	57	15	27	28.87	30.05
15	BKN	038			10.00		34	12	27	40	14	07	29.09	30.29	15	FEW	NC			10.00		46	15	35	29	23	29	28.82	30.00
18	CLR	NC			10.00		30	11	24	45	13	05	29.12	30.33	18	SCT	NC			10.00		38	20	31	48	16	32	28.84	30.03
21	OVC	100			10.00		27	14	23	58	15	06	29.15	30.35	21	CLR	NC			10.00		31	20	27	64	12	32	28.86	30.04
24	OVC	095			10.00		25	14	22	63	13	04	29.11	30.32	24	FEW	NC			10.00		27	18	24	69	9	29	28.87	30.06
				SUNRISE: 0556		MAR 26	SUNSET: 1821																						
03	SCT	NC			10.00		22	15	20	75	14	02	29.07	30.28															
06	BKN	032			9.00		19	16	18	88	8	36	29.09	30.29															
09	CLR	NC			10.00		28	18	25	66	10	02	29.07	30.27															
12	CLR	NC			10.00		35	17	29	48	13	04	29.06	30.26															
15	CLR	NC			10.00		40	15	31	36	6	VR	29.02	30.22															
18	CLR	NC			10.00		37	16	30	42	5	34	29.02	30.22															
21	CLR	NC			10.00		28	16	24	61	0	00	29.04	30.24															
24	BKN	100			10.00		28	18	25	66	5	15	29.05	30.24															
				SUNRISE: 0554		MAR 27	SUNSET: 1822																						
03	OVC	095			10.00		28	18	25	66	6	17	29.03	30.22															
06	CLR	NC			10.00		25	18	23	75	8	16	29.04	30.24															
09	CLR	NC			10.00		39	19	32	45	9	19	29.04	30.23															
12	CLR	NC			10.00		47	17	36	30	9	16	29.00	30.18															
15	CLR	NC			10.00		51	22	39	32	14	17	28.91	30.09															
18	CLR	NC			10.00		46	24	37	42	13	16	28.87	30.04															
21	OVC	120			10.00		42	28	36	58	15	16	28.85	30.02															
24	SCT	NC			10.00		38	26	33	62	16	16	28.82	29.98															
				SUNRISE: 0552		MAR 28	SUNSET: 1823																						
03	BKN	090			8.00		35	28	32	76	17	15	28.73	29.90															
06	OVC	070			6.00	-RA BR	36	32	34	86	14	18	28.69	29.86															
09	OVC	039			3.00	BR	39	38	39	96	16	19	28.66	29.83															
12	BKN	013			7.00		48	42	45	80	15	21	28.62	29.79															
15	CLR	NC			10.00		59	34	47	39	14	27	28.61	29.77															
18	CLR	NC			10.00		53	27	42	37	8	30	28.62	29.78															
21	OVC	100			10.00		39	27	34	62	3	22	28.67	29.84															
24	FEW	NC			10.00		37	27	33	67	0	00	28.64	29.81															
				SUNRISE: 0551		MAR 29	SUNSET: 1824																						
03	CLR	NC			10.00		40	28	35	63	6	19	28.61	29.77															
06	OVC	070			10.00		41	29	36	62	6	33	28.64	29.80															
09	FEW	NC			10.00		44	36	40	73	7	21	28.62	29.79															
12	SCT	NC			10.00		54	30	43	40	14	25	28.60	29.76															
15	SCT	NC			10.00		58	17	42	20	12	31	28.57	29.72															
18	CLR	NC			10.00		52	17	39	25	22	28	28.61	29.76															
21	SCT	NC			10.00		44	24	36	45	9	30	28.68	29.85															
24	CLR	NC			10.00		38	25	33	60	10	27	28.71	29.87															
				SUNRISE: 0549		MAR 30	SUNSET: 1825																						
03	CLR	NC			10.00		35	27	32	72	12	25	28.72	29.88															
06	CLR	NC			10.00		32	26	30	79	10	25	28.77	29.94															
09	CLR	NC			10.00		41	27	35	57	20	29	28.82	29.99															
12	CLR	NC			10.00		46	19	36	34	15	27	28.84	30.01															
15	FEW	NC			10.00		50	19	38	29	21	25	28.85	30.01															
18	CLR	NC			10.00		45	12	34	26	17	27	28.89	30.07															
21	CLR	NC			10.00		38	19	31	47	10	27	28.91	30.09															
24	CLR	NC			10.00		33	18	28	54	5	18	28.89	30.06															

## 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.

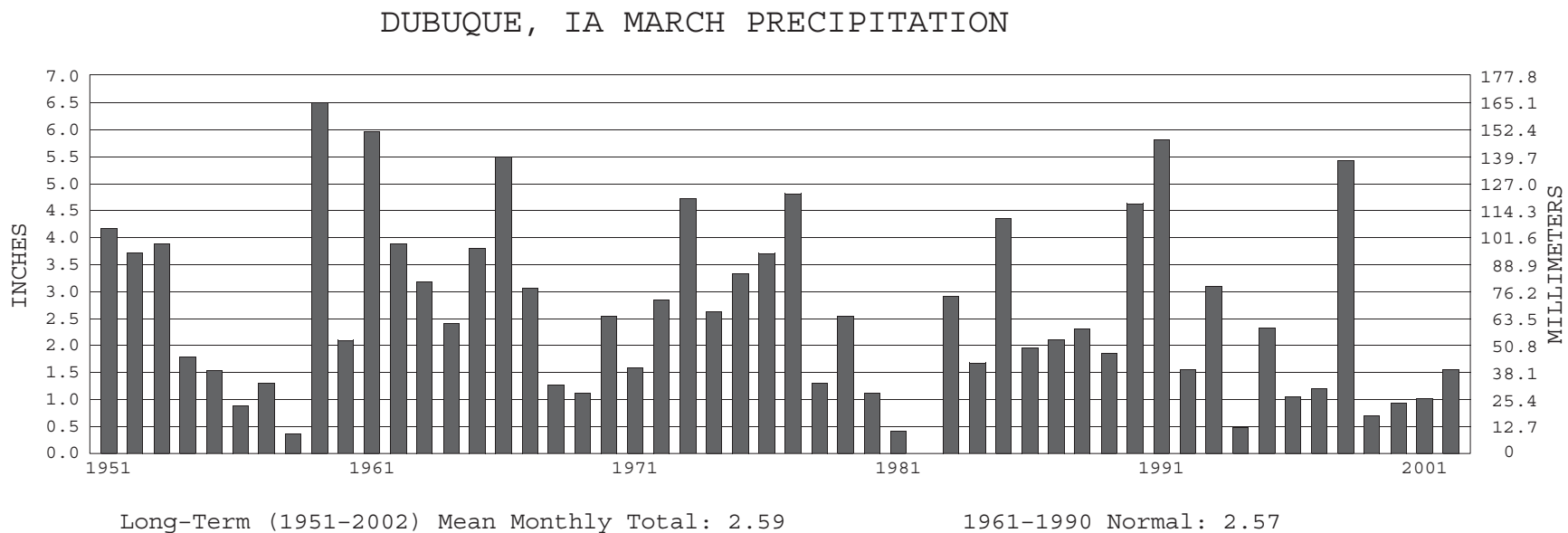
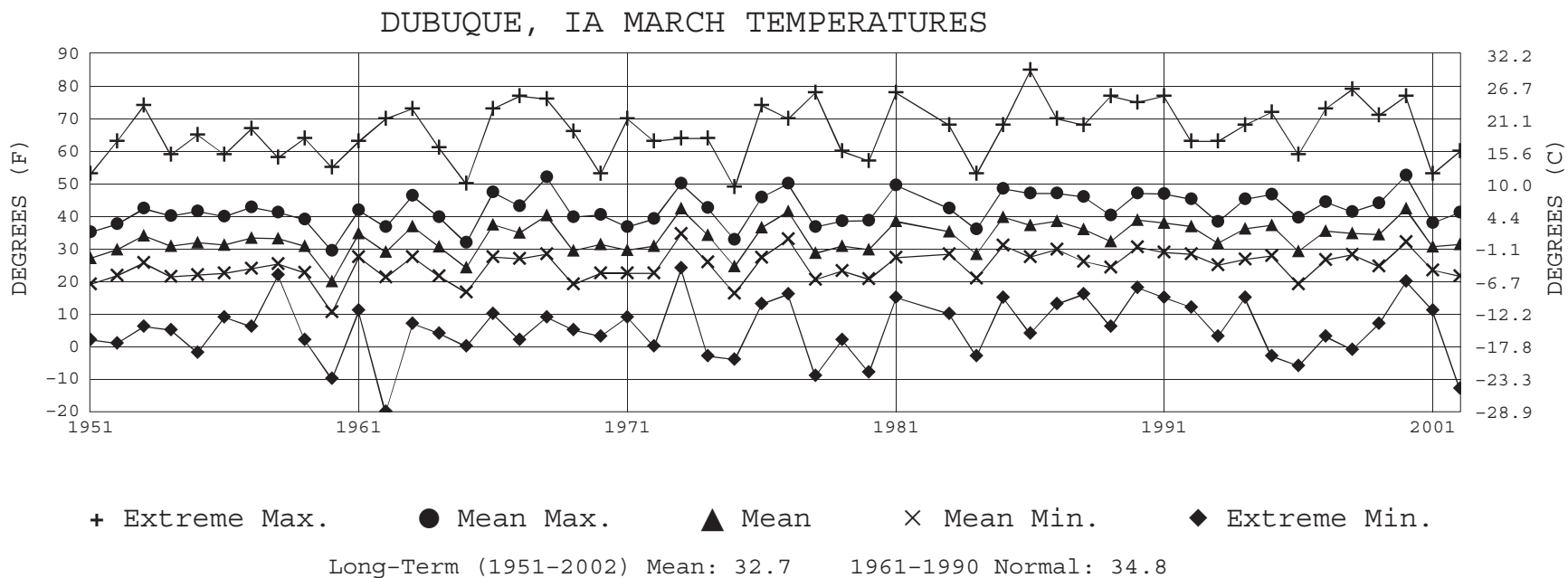
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND (MPH)	
							STATION	SEA LEVEL			SPEED	DIRECTION
01			28	20	25	75	28.89	30.06	8.60	12	2	34
02			27	20	25	74	28.88	30.05	8.57	13	1	33
03			27	20	24	76	28.87	30.05	8.35	13	1	31
04			26	19	24	77	28.87	30.05	8.21	13	2	32
05			26	20	24	78	28.88	30.07	8.50	13	2	32
06			25	19	23	80	28.89	30.08	7.81	12	3	32
07			25	19	23	79	28.90	30.09	7.46	12	4	31
08			27	20	24	76	28.91	30.11	7.44	13	4	32
09			29	21	26	73	28.92	30.11	7.62	14	3	31
10			31	21	27	69	28.92	30.11	7.79	14	3	32
11			33	21	29	65	28.92	30.11	8.40	14	4	33
12			34	21	30	61	28.91	30.10	8.48	14	3	32
13			36	22	31	58	28.88	30.07	8.28	13	3	30
14			38	22	32	57	28.87	30.05	7.78	14	3	29
15			38	22	32	57	28.86	30.05	7.72	14	3	31
16			38	21	32	56	28.86	30.05	7.90	14	4	32
17			36	21	31	58	28.88	30.05	8.19	13	4	31
18			34	21	30	61	28.88	30.06	8.14	13	4	33
19			32	22	29	66	28.88	30.06	8.65	12	3	34
20			31	21	28	69	28.89	30.06	8.47	12	3	34
21			30	21	27	70	28.89	30.07	8.47	12	3	35
22			30	21	27	72	28.89	30.07	8.36	12	2	35
23			29	21	26	72	28.89	30.06	8.16	12	2	34
24			28	21	26	74	28.88	30.06	8.27	12	2	34







MARCH 2002

DUBUQUE, IA

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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