



OCTOBER 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	74*	63	69*	12	62	64	0	4	RA BR			0.0	0.71	28.78	29.91	4.8	18	8.7	32	33	29	33	01											
02	63	53	58	2	58	58	7	0	RA FG+ BR			0.0	0.88	28.87	30.02	9.3	03	10.8	26	02	22	02	02											
03	61	51	56	0	54	54	9	0	RA FG+ BR			0.0	0.02	28.83	29.99	7.5	08	8.4	20	14	16	06	03											
04	68	45	57	2	54	56	8	0	RA BR			0.0	0.85	28.49	29.63	11.5	24	17.7	40*	25	35*	24	04											
05	61	37	49	-6	40	45	16	0				0.0	0.00	28.95	30.12	4.2	19	7.1	18	18	15	17	05											
06	68	43	56	1	41	48	9	0	RA			0.0	T	28.79	29.95	12.5	25	18.5	39	29	32	26	06											
07	55	32	44	-10	32	40	21	0	RA			0.0	T	29.02	30.20	5.0	21	8.3	25	31	21	32	07											
08	66	45	56	2	42	48	9	0				0.0	0.00	28.90	30.07	10.6	19	10.8	24	20	21	19	08											
09	64	49	57	4	45	50	8	0	BR			0.0	0.00	28.98	30.14	4.7	04	6.7	20	01	16	01	09											
10	68	50	59	6	49	53	6	0	RA BR			0.0	T	28.96	30.12	4.9	15	6.0	15	20	12	19	10											
11	73	49	61	8	47	54	4	0				0.0	0.00	28.91	30.07	8.3	16	8.8	20	16	16	17	11											
12	59	39	49	-3	46	49	16	0	RA BR HZ			0.0	T	28.96	30.11	7.0	30	10.5	32	32	25	31	12											
13	50	29	40	-12	23	33	25	0				0.0	0.00	29.23	30.43	7.6	28	8.6	25	28	21	29	13											
14	57	33	45	-6	28	38	20	0				0.0	0.00	28.98	30.15	12.2	19	12.4	31	19	26	18	14											
15	53	34	44	-7	33	39	21	0				0.0	0.00	28.84	30.01	10.5	33	11.6	24	33	21	33	15											
16	47	29	38	-13	26	33	27	0	HZ			0.0	0.00	28.90	30.08	4.1	36	5.4	17	05	13	03	16											
17	42	34	38	-12	36	37	27	0	RA FG+ BR UP			0.0	0.17	28.80	29.98	5.9	22	6.9	13	17	12	19	17											
18	59	37	48	-2	40	44	17	0	RA FG BR			0.0	T	28.63	29.79	8.1	23	13.2	31	30	28	29	18											
19	45	27	36	-13	29	34	29	0				0.0	0.00	28.87	30.04	10.0	32	10.5	26	32	22	32	19											
20	48	23*	36	-13	29	34	29	0	BR			0.0	0.00	28.96	30.14	0.7	08	3.7	12	32	10	32	20											
21	55	37	46	-2	36	40	19	0	RA BR			0.0	T	28.91	30.09	3.1	22	11.0	22	22	18	21	21											
22	45	35	40	-8	31	35	25	0	RA			0.0	T	29.14	30.33	11.5	36	11.7	21	01	17	01	22											
23	42	34	38	-9	32	35	27	0	RA BR UP			T	T	29.27	30.46	10.4	04	10.7	20	02	16	03	23											
24	42	32	37	-10	37	38	28	0	RA SN FG+ BR UP			T	0.40	29.13	30.33	7.7	07	9.0	17	14	14	09	24											
25	43	39	41	-5	41	41	24	0	RA BR			0.0	0.35	28.87	30.05	2.2	12	5.0	17	13	13	12	25											
26	49	38	44	-2	36	40	21	0	BR			0.0	0.00	28.95	30.13	7.6	30	8.1	17	30	15	30	26											
27	40	29	35	-11	30	33	30	0	RA SN BR UP			T	0.04	29.08	30.27	3.5	03	5.0	15	30	13	30	27											
28	44	32	38	-7	35	37	27	0	SN FG+ BR			T	0.07	28.97	30.15	8.6	07	9.0	16	08	13	07	28											
29	44	32	38	-7	34	38	27	0				0.0	0.00	28.89	30.06	10.7	06	11.1	20	06	17	06	29											
30	45	29	37	-7	31	35	28	0	BR			0.0	0.00	28.98	30.17	7.6	02	8.0	18	06	14	01	30											
31	39	25	32*	-11	26	30	33	0	BR			0.0	0.00	29.07	30.26	9.1	30	10.6	23	30	20	30	31											
53.8										37.5	45.7	■ ■	38.2	42.4	19.3	0.1	< MONTHLY AVERAGES		TOTALS->			T	3.49	28.93	30.10	0.9	31	9.5	<- MONTHLY AVERAGES					
-6.5										-3.0	-4.7	■ ■	<-----DEPARTURE FROM NORMAL----->											0.99	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.48				DATE :01-02		SEA LEVEL PRESSURE				DATE TIME															
MONTHLY									GREATEST 24-HR SNOWFALL: T				DATE :28+		MAXIMUM				: 30.51															
TOTAL DEPARTURE									GREATEST SNOW DEPTH:				DATE :		MINIMUM				: 29.41															
HEATING: 597 132									NUMBER OF				MAXIMUM TEMP ≥ 90: 0				PRECIPITATION ≥ 0.01 INCH : 9																	
COOLING: 4 -2									DAYS WITH ➔				MAXIMUM TEMP ≤ 32 : 0				PRECIPITATION ≥ 0.10 INCH : 6																	
													THUNDERSTORMS : 0				SNOWFALL ≥ 1.0 INCH : 0																	
													MINIMUM TEMP ≤ 0 : 0																					
													HEAVY FOG : 5																					

OCTOBER 2002
DUBUQUE, IA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

DUBUQUE, IA

OCTOBER 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												01			0.71
02	0.09	T			0.06	0.11	0.18	0.16	0.04	0.05	0.05	0.03	02	T	0.02	0.01	0.16	0.06	0.05	T	0.03	0.14	0.02	0.05	0.17	02		0.88
03	T				0.03	0.01	0.15	0.05	0.05	0.03			03					0.02	0.06	T	T		0.01	0.01	0.01	03		0.02
04				0.01		0.53							04													04		0.85
05													05													05		0.00
06					T	T							06													06		T
07													07								T					07		T
08													08													08		0.00
09													09													09		0.00
10													10			T			T							10		T
11													11													11		0.00
12													12			T										12		T
13													13													13		0.00
14													14													14		0.00
15													15													15		0.00
16													16													16		0.00
17													17	0.01	0.02											17		0.17
18		T					T	T		0.01	0.06	0.07	18													18		T
19		T											19													19		0.00
20													20													20		0.00
21													21													21		T
22													22													22		T
23													23							T	T					23		T
24	T	0.02	0.02	0.04	0.04	0.02	0.01	0.01	T	0.02	T	0.03	24						0.01	0.02	0.01	0.05	0.07	0.06		24		0.40
25	0.04	0.05	0.04	0.05	0.04	0.01	T	0.01	T	T	0.03	0.03	25	0.02	T	0.01	T	0.01		0.01						25		0.35
26													26													26		0.00
27													27						T	T	0.02	T	T		0.02	27		0.04
28	0.01	0.02	0.03	0.01	T	T							28													28		0.07
29													29													29		0.00
30													30													30		0.00
31													31													31		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	.14	.18	.24	.34	.47	.53	.62	.67	.69	.72	.75
Ending Date	01	04	04	04	04	04	04	04	04	04	04	04
Ending Time (Hour/Min)	2010	0547	0550	0545	0551	0553	0557	0619	0634	0644	0724	0737

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
OCTOBER 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.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							2.00	10.00	
02							.25	9.00	
03							.25	7.00	
04							2.00	10.00	
05							9.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							5.00	10.00	
10							6.00	10.00	
11							8.00	10.00	
12							1.25	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							4.00	10.00	
17							.25	10.00	
18							.50	10.00	
19							10.00	10.00	
20							6.00	10.00	
21							5.00	10.00	
22							8.00	10.00	
23							6.00	10.00	
24							.25	7.00	
25							1.50	8.00	
26							6.00	10.00	
27							2.50	10.00	
28							.25	10.00	
29							7.00	10.00	
30							4.00	10.00	
31							6.00	10.00	
MONTHLY AVGS							5.39	9.71	
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p align="center">Percent Possible:</p>									
<p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">31</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">4 11 12</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

OCTOBER 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)		
			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	OBSERVATION TIME (LST)		EFF CLD AMT <small>Okta</small>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION
			SUNRISE: 0560			OCT 01	SUNSET: 1744									SUNRISE: 0606			OCT 07	SUNSET: 1734								
03	CLR	NC			10.00	66	58	61	75	9	19	28.70	29.83	03	CLR	NC				10.00	37	30	34	76	7	29	29.06	30.23
06	CLR	NC			9.00	63	59	61	87	10	20	28.74	29.87	06	CLR	NC				10.00	33	28	31	82	7	30	29.07	30.25
09	FEW	NC			9.00	71	62	65	73	15	20	28.79	29.92	09	CLR	NC				10.00	44	28	38	53	0	00	29.12	30.30
12	CLR	NC			10.00	74	62	66	67	13	22	28.78	29.92	12	FEW	NC				10.00	49	30	41	48	9	19	29.07	30.25
15	BKN	110			10.00	68	64	66	87	7	31	28.81	29.95	15	CLR	NC				10.00	54	31	44	42	10	18	28.98	30.16
18	OVC	095			3.00	66	65	65	96	7	15	28.78	29.92	18	CLR	NC				10.00	48	33	41	56	9	19	28.95	30.14
21	OVC	060			10.00	65	62	63	90	12	06	28.82	29.96	21	OVC	095				10.00	49	36	43	61	8	16	28.95	30.13
24	OVC	032			4.00	63	62	62	97	5	18	28.85	29.98	24	BKN	110				10.00	48	38	43	68	8	19	28.94	30.12
			SUNRISE: 0601			OCT 02	SUNSET: 1743									SUNRISE: 0608			OCT 08	SUNSET: 1732								
03	BKN	005			8.00	63	62	62	97	5	27	28.83	29.97	03	BKN	120				10.00	47	39	43	74	9	17	28.92	30.08
06	OVC	011			2.50	63	62	62	97	8	05	28.86	30.00	06	CLR	NC				10.00	45	39	42	80	12	18	28.92	30.09
09	OVC	002			5.00	59	58	58	96	14	02	28.89	30.04	09	CLR	NC				10.00	54	41	48	62	17	20	28.93	30.10
12	OVC	002			1.50	58	57	57	97	9	03	28.88	30.02	12	CLR	NC				10.00	64	42	53	45	13	19	28.91	30.06
15	OVC	002			0.75	57	57	57	100	13	04	28.85	29.99	15	BKN	100				10.00	66	41	53	40	15	19	28.87	30.02
18	OVC	001			1.50	56	56	56	100	17	01	28.86	30.01	18	CLR	NC				10.00	57	43	50	60	3	20	28.89	30.04
21	OVC	005			6.00	54	53	53	97	15	03	28.91	30.06	21	CLR	NC				10.00	51	44	48	77	8	22	28.91	30.06
24	OVC	005			4.00	53	52	52	96	15	05	28.91	30.06	24	FEW	NC				10.00	51	45	48	80	5	21	28.92	30.07
			SUNRISE: 0602			OCT 03	SUNSET: 1741									SUNRISE: 0609			OCT 09	SUNSET: 1731								
03	OVC	005			3.00	52	51	52	97	10	06	28.90	30.06	03	OVC	095				9.00	53	49	51	86	7	36	28.93	30.09
06	OVC	005			4.00	51	50	51	96	12	06	28.92	30.08	06	OVC	009			BR	5.00	50	49	49	96	10	01	28.98	30.14
09	OVC	003			3.00	51	50	51	96	9	07	28.92	30.08	09	CLR	NC				10.00	50	44	47	80	13	04	29.02	30.19
12	OVC	003			1.25	53	53	53	100	7	11	28.88	30.04	12	CLR	NC				10.00	57	45	51	64	3	05	29.01	30.17
15	OVC	001			0.75	55	55	55	100	7	11	28.82	29.98	15	CLR	NC				10.00	63	45	53	52	0	00	28.97	30.13
18	VV	001			0.25	57	56	56	96	3	VR	28.77	29.93	18	CLR	NC				10.00	54	45	49	72	7	05	28.97	30.14
21	OVC	001			2.00	58	58	58	100	6	07	28.72	29.88	21	CLR	NC				10.00	51	41	46	69	6	09	28.98	30.15
24	OVC	025			4.00	60	59	59	96	13	13	28.58	29.72	24	CLR	NC				10.00	53	43	48	69	9	13	28.96	30.12
			SUNRISE: 0603			OCT 04	SUNSET: 1739									SUNRISE: 0610			OCT 10	SUNSET: 1729								
03	FEW	NC			4.00	64	62	63	93	14	16	28.46	29.59	03	SCT	NC				9.00	51	47	49	86	0	00	28.95	30.12
06	OVC	005			2.50	67	66	66	97	10	18	28.35	29.48	06	OVC	080				8.00	51	48	50	89	7	18	28.97	30.13
09	OVC	010			6.00	64	63	63	96	18	20	28.32	29.45	09	BKN	110				8.00	56	50	53	81	6	18	28.99	30.16
12	BKN	027			10.00	64	58	60	81	23	24	28.29	29.41	12	FEW	NC				10.00	65	51	57	61	10	19	28.98	30.14
15	OVC	027			10.00	56	47	51	72	23	25	28.39	29.53	15	BKN	100				10.00	67	52	58	59	3	08	28.95	30.11
18	OVC	035			10.00	53	44	49	72	23	30	28.60	29.74	18	CLR	NC				10.00	59	52	55	78	6	09	28.94	30.10
21	OVC	038			10.00	50	44	47	80	15	29	28.76	29.91	21	CLR	NC				10.00	58	48	53	70	8	12	28.94	30.11
24	FEW	NC			10.00	46	40	43	79	6	30	28.86	30.01	24	CLR	NC				10.00	53	47	50	80	6	18	28.95	30.11
			SUNRISE: 0604			OCT 05	SUNSET: 1738									SUNRISE: 0611			OCT 11	SUNSET: 1727								
03	CLR	NC			10.00	39	37	38	93	5	24	28.90	30.06	03	CLR	NC				9.00	52	45	48	77	3	18	28.94	30.10
06	CLR	NC			10.00	39	37	38	93	5	26	28.96	30.14	06	CLR	NC				8.00	51	44	48	77	7	15	28.96	30.12
09	BKN	110			10.00	47	39	43	74	5	31	29.04	30.21	09	CLR	NC				9.00	59	48	53	67	7	18	28.97	30.14
12	CLR	NC			9.00	56	37	47	49	3	VR	29.02	30.19	12	CLR	NC				10.00	68	49	57	51	14	16	28.93	30.09
15	CLR	NC			10.00	60	40	50	48	13	17	28.95	30.12	15	CLR	NC				10.00	73	47	58	40	12	17	28.88	30.03
18	OVC	090			10.00	57	43	50	60	7	15	28.93	30.11	18	CLR	NC				10.00	63	46	54	54	8	14	28.86	30.01
21	FEW	NC			10.00	55	43	49	64	10	15	28.91	30.07	21	CLR	NC				10.00	61	51	56	70	9	16	28.86	30.01
24	OVC	120			10.00	55	42	49	62	14	17	28.86	30.01	24	FEW	NC				10.00	58	50	54	75	12	15	28.86	30.00
			SUNRISE: 0605			OCT 06	SUNSET: 1736									SUNRISE: 0612			OCT 12	SUNSET: 1726								
03	FEW	NC			10.00	55	42	49	62	20	18	28.75	29.90	03	OVC	050				8.00	57	51	54	81	6	18	28.84	29.98
06	OVC	095			10.00	54	44	49	69	18	20	28.71	29.86	06	OVC	075				5.00	56	54	55	93	7	20	28.84	29.99
09	SCT	NC			10.00	60	49	54	67	14	24	28.70	29.85	09	OVC	020			BR	1.25	59	56	57	90	12	30	28.89	30.04
12	BKN	065			10.00	67	48	56	51	22	25	28.67	29.82	12	OVC	070				10.00	56	52	54	87	0	00	28.92	30.07
15	FEW	NC			10.00	56	36	46	47	24	27	28.76	29.91	15	OVC	018				10.00	52	47	49	83	15	32	28.97	30.13
18	BKN	055			10.00	50	38	44	63	18	29	28.85	30.01	18	FEW	NC				10.00	48	42	45	80	3	28	29.0	

OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

OCTOBER 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 Oktas		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 Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
				SUNRISE: 0613			OCT 13	SUNSET: 1724										SUNRISE: 0620			OCT 19	SUNSET: 1715									
03	CLR	NC			10.00	33	24	30	70	8	29	29.20	30.38	03	BKN	030			10.00	40	29	35	65	12	32	28.76	29.93				
06	CLR	NC			10.00	30	25	28	82	7	29	29.24	30.44	06	CLR	NC			10.00	38	29	34	70	12	31	28.82	29.98				
09	CLR	NC			10.00	40	24	34	53	14	29	29.29	30.49	09	OVC	028			10.00	40	30	36	68	14	30	28.89	30.06				
12	CLR	NC			10.00	47	18	36	31	12	32	29.28	30.47	12	OVC	032			10.00	43	31	38	63	13	32	28.90	30.07				
15	CLR	NC			10.00	50	19	38	29	16	27	29.23	30.42	15	FEW	NC			10.00	45	29	38	54	14	31	28.88	30.05				
18	CLR	NC			10.00	44	22	36	41	3	27	29.22	30.41	18	CLR	NC			10.00	36	28	33	73	8	33	28.92	30.09				
21	CLR	NC			10.00	37	26	33	65	0	00	29.21	30.40	21	CLR	NC			10.00	30	25	28	82	0	00	28.93	30.12				
24	CLR	NC			10.00	36	26	32	67	7	19	29.19	30.37	24	CLR	NC			10.00	29	24	27	82	7	31	28.93	30.11				
				SUNRISE: 0614			OCT 14	SUNSET: 1723										SUNRISE: 0622			OCT 20	SUNSET: 1713									
03	CLR	NC			10.00	36	27	33	70	6	18	29.16	30.35	03	CLR	NC			9.00	25	22	24	88	5	24	28.94	30.13				
06	CLR	NC			10.00	34	27	31	76	8	18	29.13	30.32	06	CLR	NC			8.00	24	22	23	91	0	00	28.97	30.16				
09	CLR	NC			10.00	45	31	39	58	13	19	29.08	30.27	09	CLR	NC			10.00	35	27	32	72	3	VR	29.00	30.19				
12	CLR	NC			10.00	55	28	43	36	22	19	28.98	30.16	12	CLR	NC			10.00	44	29	38	55	0	00	28.98	30.17				
15	CLR	NC			10.00	57	27	44	32	22	19	28.87	30.04	15	CLR	NC			10.00	48	31	41	52	3	VR	28.93	30.12				
18	CLR	NC			10.00	48	27	39	44	12	19	28.85	30.02	18	BKN	120			10.00	41	32	37	70	5	12	28.93	30.12				
21	CLR	NC			10.00	44	30	38	58	10	20	28.82	29.98	21	BKN	100			10.00	42	34	39	73	6	11	28.93	30.12				
24	CLR	NC			10.00	41	31	37	67	13	20	28.77	29.93	24	BKN	090			10.00	42	33	38	71	6	12	28.95	30.13				
				SUNRISE: 0616			OCT 15	SUNSET: 1721										SUNRISE: 0623			OCT 21	SUNSET: 1712									
03	CLR	NC			10.00	40	34	37	79	8	28	28.76	29.92	03	OVC	120			10.00	40	34	37	79	6	12	28.93	30.11				
06	CLR	NC			10.00	43	37	40	80	15	33	28.81	29.98	06	OVC	100			8.00	38	34	36	86	12	14	28.92	30.10				
09	CLR	NC			10.00	48	38	43	68	15	33	28.85	30.02	09	BKN	100			8.00	41	33	38	74	10	20	28.94	30.12				
12	BKN	044			10.00	52	35	44	53	20	32	28.85	30.02	12	SCT	NC			9.00	50	36	44	59	13	19	28.87	30.03				
15	CLR	NC			10.00	52	32	43	47	15	32	28.85	30.01	15	OVC	050			10.00	55	38	47	53	15	24	28.83	30.00				
18	CLR	NC			10.00	44	31	39	60	7	33	28.87	30.04	18	CLR	NC			7.00	45	40	43	83	8	29	28.89	30.06				
21	CLR	NC			10.00	39	30	35	70	12	34	28.91	30.08	21	OVC	008			5.00	41	38	40	89	14	35	28.93	30.12				
24	FEW	NC			10.00	34	29	32	82	7	35	28.91	30.09	24	OVC	010			7.00	37	34	36	89	14	34	28.98	30.16				
				SUNRISE: 0617			OCT 16	SUNSET: 1719										SUNRISE: 0624			OCT 22	SUNSET: 1710									
03	CLR	NC			10.00	31	26	29	82	7	36	28.91	30.08	03	OVC	010			10.00	35	32	34	89	10	35	29.03	30.21				
06	CLR	NC			10.00	30	25	28	82	12	01	28.94	30.12	06	OVC	017			10.00	35	29	33	78	13	35	29.07	30.26				
09	CLR	NC			10.00	36	28	33	73	9	03	28.95	30.14	09	OVC	015			10.00	36	31	34	82	13	01	29.14	30.33				
12	CLR	NC			10.00	43	24	36	47	0	00	28.92	30.10	12	BKN	023			10.00	41	32	37	70	13	35	29.15	30.34				
15	CLR	NC			10.00	46	21	36	37	8	28	28.87	30.05	15	BKN	110			10.00	43	31	38	63	14	02	29.14	30.33				
18	BKN	080			10.00	41	24	34	51	0	00	28.86	30.04	18	OVC	065			10.00	40	31	36	70	14	36	29.20	30.39				
21	OVC	090			10.00	36	27	32	70	0	00	28.86	30.04	21	OVC	014			10.00	37	33	35	86	10	01	29.23	30.42				
24	OVC	042			5.00 HZ	39	31	36	73	8	28	28.85	30.03	24	OVC	016			10.00	36	31	34	82	14	02	29.25	30.45				
				SUNRISE: 0618			OCT 17	SUNSET: 1718										SUNRISE: 0625			OCT 23	SUNSET: 1709									
03	OVC	025			10.00	36	35	36	97	7	19	28.82	30.00	03	OVC	014			10.00	35	31	33	85	14	03	29.25	30.45				
06	OVC	002			2.00 BR	37	37	37	100	8	19	28.80	29.98	06	OVC	010			10.00	35	31	33	85	10	02	29.29	30.49				
09	OVC	019			8.00	40	38	39	93	10	22	28.80	29.98	09	OVC	010			10.00	36	32	34	86	10	04	29.31	30.51				
12	OVC	006			6.00 -RA BR	36	35	36	97	9	25	28.81	29.98	12	BKN	016			10.00	40	32	37	73	9	05	29.28	30.48				
15	OVC	034			10.00	41	37	39	86	8	24	28.77	29.95	15	OVC	029			10.00	41	32	37	70	12	05	29.25	30.45				
18	CLR	NC			10.00	36	35	36	97	0	00	28.79	29.97	18	OVC	100			10.00	39	32	36	76	8	04	29.24	30.45				
21														21	OVC	090			10.00	38	32	36	79	9	06	29.23	30.43				
24	VV	001			0.25 FG	37	37	37	100	12	19	28.79	29.96	24	OVC	027			6.00 UP BR	37	33	35	86	9	04	29.23	30.42				
				SUNRISE: 0619			OCT 18	SUNSET: 1716										SUNRISE: 0626			OCT 24	SUNSET: 1707									
03	OVC	065			4.00 BR	39	39	39	100	9	17	28.72	29.90	03	OVC	019			2.50 -SN BR	33	33	33	100	12	03	29.22	30.41				
06	BKN	090			6.00 BR	42	39	41	89	15	17	28.61	29.77	06	OVC	005			4.00 -RA BR	34	34	34	100	8	05	29.20	30.39				
09	FEW	NC			10.00	45	40	43	83	17	19	28.59	29.75	09	OVC	003			3.00 -RA BR	36	36	36	100	8	06	29.20	30.40				
12	CLR	NC			10.00	54	44	49	69	15	22	28.55	29.71	12	OVC	009			6.00 BR	41	39	40	93	9	08	29.15	30.34				
15	SCT	NC			10.00	58	45	51	62	9	23	28.57	29.72	15	OVC	013			5.00 BR	41	39	40	93	8	06	29.10	30.29				
18	OVC	120			10.00	56	42	49	60	9	25	28.61	29.76	18	OVC	008			4.00 BR	41	40	41	96	8	10	29.08	30.27				
21	CLR	NC			10.00	47	37	42	69	12	31	28.68	29.85	21	OVC	008			4.00 -RA BR	40	39	40									

DUBUQUE, IA

OCTOBER 2002

DBQ

WBAN # 94908

[illegible]

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.

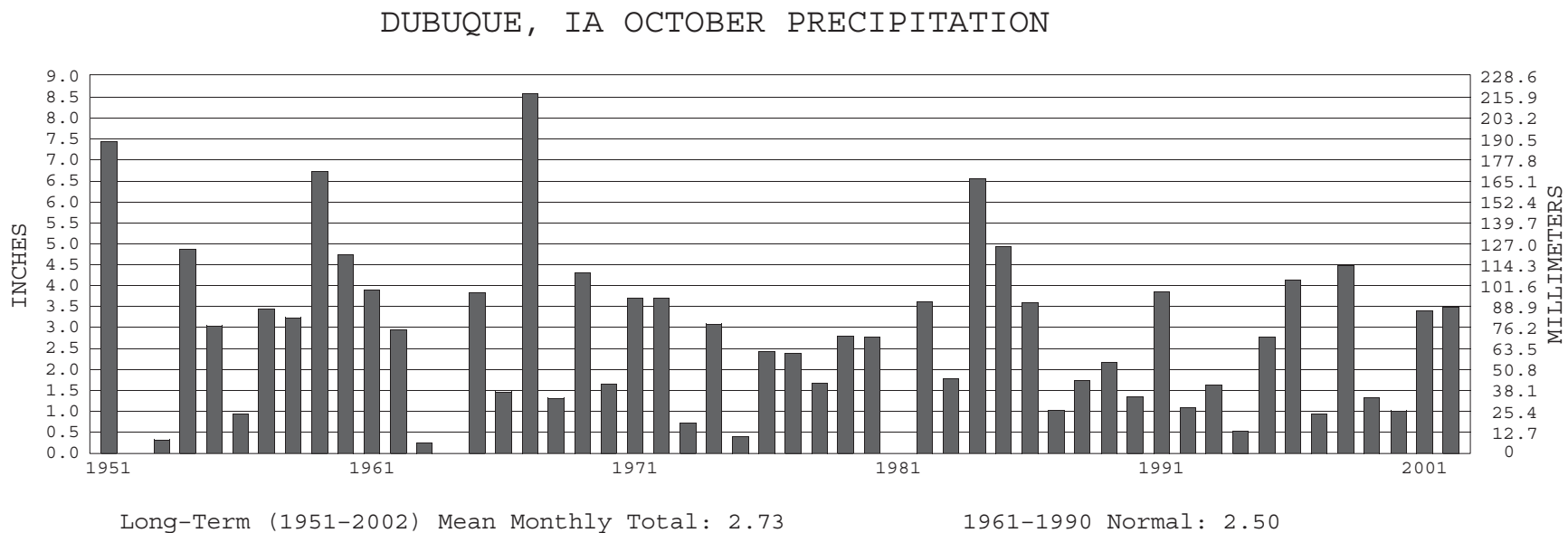
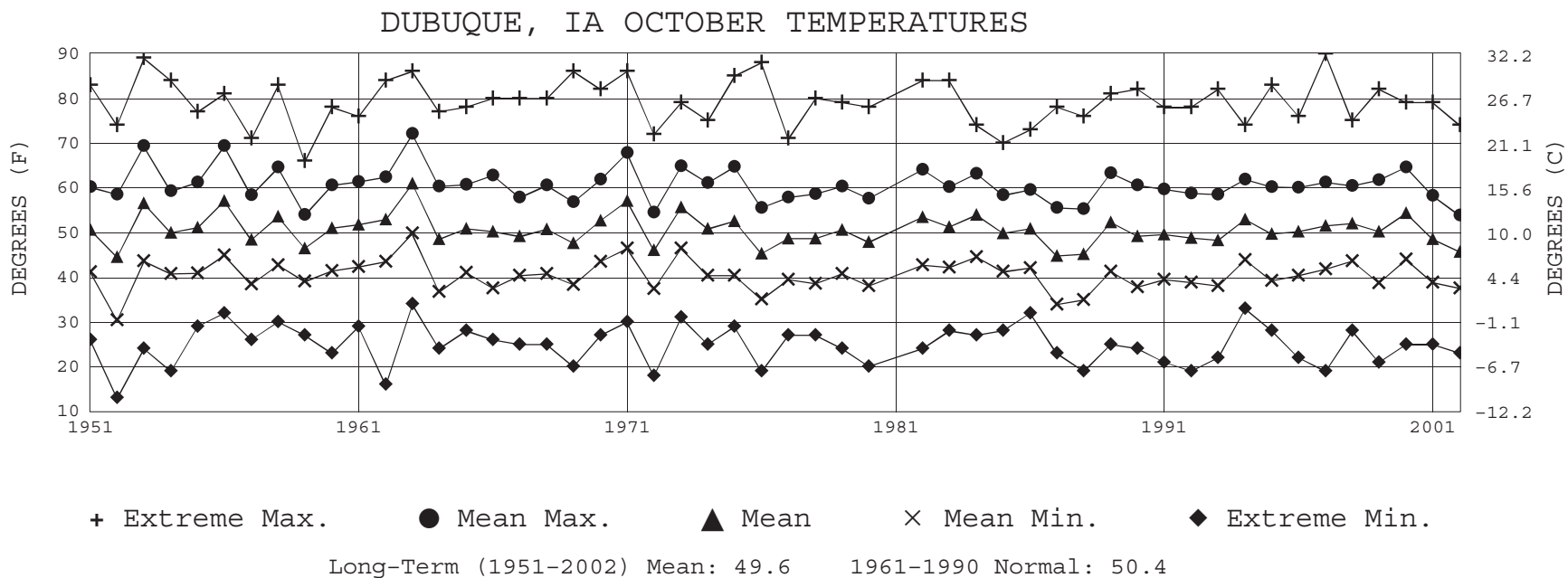
NC= No ceiling detected.

& = 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			43	38	41	82	28.93	30.10	8.68	9	0	0
02			43	38	41	83	28.93	30.10	8.36	8	0	0
03			42	38	40	85	28.92	30.09	8.20	8	0	0
04			42	38	40	86	28.93	30.10	7.69	8	1	4
05			42	38	40	88	28.93	30.10	7.37	9	0	0
06			42	38	40	88	28.93	30.10	7.29	9	1	8
07			42	38	40	87	28.94	30.11	7.02	9	1	6
08			44	39	42	84	28.95	30.12	7.45	10	0	0
09			46	39	43	79	28.95	30.13	7.93	11	1	28
10			48	39	44	74	28.95	30.12	8.52	11	1	24
11			49	39	44	70	28.95	30.12	8.82	11	1	22
12			51	39	45	66	28.93	30.10	8.90	10	2	24
13			52	39	45	64	28.92	30.09	9.11	11	3	25
14			52	38	45	62	28.91	30.07	9.10	12	3	27
15			52	38	45	62	28.91	30.08	9.02	11	3	27
16			51	38	45	64	28.91	30.08	8.53	10	2	29
17			49	38	44	68	28.91	30.08	8.69	9	1	33
18			47	38	43	73	28.92	30.10	8.62	8	2	34
19			46	38	42	75	28.93	30.11	8.73	8	2	35
20			45	38	42	77	28.94	30.12	8.75	9	3	36
21			45	38	41	77	28.95	30.12	8.83	9	2	1
22			44	37	41	79	28.95	30.12	8.85	9	2	34
23			43	37	41	79	28.94	30.12	8.30	10	1	35
24			43	37	40	80	28.95	30.12	8.22	10	1	33





OCTOBER 2002

DUBUQUE, IA

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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