



FEBRUARY 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

ROCKFORD, IL

GREATER ROCKFORD AIRPORT (RFD)

Lat: 42°11' N Long: 89°05' W Elev (Ground): 728 Feet

Time Zone: CENTRAL WBAN: 94822 ISSN #:0198-1919

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	33	14	24	3	20	24	41	0	DZ SN BR			0.5	0.05	29.35	30.18	10.5	29	11.6	26	32	22	32	01			
02	34	7	21	0	16	20	44	0	FZFG BR HZ			0.0	0.00	29.50	30.33	9.5	20	10.1	25	23	22	20	02			
03	35	17	26	5	19	24	39	0	BR			0.0	0.00	29.30	30.13	8.4	28	11.1	29	34	23	34	03			
04	20	6	13*	-8	4	12	52	0				0.0	0.00	29.65	30.50	5.6	32	7.8	20	35	16	35	04			
05	30	6*	18	-4	11	17	47	0	HZ			0.0	0.00	29.54	30.38	6.5	23	7.7	23	26	17	26	05			
06	36	12	24	2	18	23	41	0	BR			0.0	0.00	29.31	30.14	7.4	19	7.8	17	24	16	20	06			
07	41	27	34	12	26	30	31	0	BR HZ			0.0	0.00	29.22	30.04	7.0	25	8.7	20	27	14	29	07			
08	43	28	36	14	29	32	29	0	BR HZ			0.0	0.00	29.24	30.06	5.8	19	7.7	17	22	14	22	08			
09	47	33	40	17	32	37	25	0	RA BR HZ			0.0	0.14	29.18	29.99	10.6	13	11.3	25	15	21	14	09			
10	42	26	34	11	28	32	31	0	RA DZ SN FG+ BR HZ			T	0.22	29.31	30.13	10.7	35	12.7	43*	01	33*	01	10			
11	38	19	29	6	21	27	36	0				0.0	0.00	29.33	30.15	10.9	21	12.4	31	24	24	23	11			
12	42	24	33	9	22	31	32	0	SN			T	T	29.19	30.00	17.0	29	17.9	38	29	31	27	12			
13	35	15	25	1	15	23	40	0				0.0	0.00	29.50	30.33	6.8	22	8.1	21	25	16	23	13			
14	45	29	37	13	24	32	28	0				0.0	0.00	29.23	30.05	17.3	20	17.5	37	20	30	21	14			
15	43	33	38	13	27	34	27	0				0.0	0.00	29.08	29.89	13.4	26	15.2	30	28	24	29	15			
16	45	30	38	13	24	33	27	0				0.0	0.00	29.11	29.92	11.7	30	13.8	32	33	25	31	16			
17	40	23	32	7	18	27	33	0				0.0	0.00	29.42	30.24	1.7	01	6.3	26	34	22	34	17			
18	50	28	39	13	27	34	26	0	RA			0.0	0.01	29.26	30.08	15.3	17	15.6	31	18	26	18	18			
19	48	40	44	18	40	42	21	0	RA BR			0.0	0.69	28.97	29.77	11.8	16	12.0	24	17	20	14	19			
20	48	33	41	15	40	41	24	0	RA DZ SN FG+ BR			T	0.82	28.70	29.50	9.2	26	11.3	28	29	22	28	20			
21	33	27	30	3	30	31	35	0	SN BR			T	T	29.19	30.01	11.5	34	12.1	25	35	20	35	21			
22	40	21	31	4	20	27	34	0				0.0	0.00	29.43	30.26	4.1	34	6.1	16	35	13	35	22			
23	48	28	38	10	29	35	27	0				0.0	0.00	29.21	30.03	13.6	18	13.7	32	17	26	19	23			
24	61*	36	49*	21	35	42	16	0				0.0	0.00	29.04	29.84	14.4	17	14.5	39	17	32	17	24			
25	43	28	36	8	30	33	29	0	RA SN BR HZ			T	T	29.15	29.96	10.8	35	11.5	25	01	21	02	25			
26	30	17	24	-5	19	21	41	0	SN BR			1.8	0.09	29.13	29.95	15.2	31	15.8	28	29	23	29	26			
27	24	14	19	-10	9	16	46	0	SN			T	T	29.23	30.07	11.2	29	12.2	24	31	21	31	27			
28	31	12	22	-8	14	20	43	0				0.0	0.00	29.23	30.06	8.3	24	10.4	26	28	24	26	28			
										< MONTHLY AVERAGES		TOTALS->			2.3	2.02	29.25	30.07	4.9	25	11.5	<- MONTHLY AVERAGES				
										6.5		6.3	6.4	<-----DEPARTURE FROM NORMAL----->				0.68	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.03 DATE :19-20				SEA LEVEL PRESSURE DATE TIME													
MONTHLY									GREATEST 24-HR SNOWFALL: 1.8 DATE :26				MAXIMUM													
TOTAL DEPARTURE									GREATEST SNOW DEPTH: DATE :				MINIMUM													
HEATING: 945 -234 4171 -1086									NUMBER OF DAYS WITH ➡				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 23				PRECIPITATION ≥ 0.01 INCH : 7					
COOLING: 0 0 0 0													MAXIMUM TEMP ≤ 32 : 5				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 4					
													THUNDERSTORMS : 0				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH : 1					

FEBRUARY 2002
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

FEBRUARY 2002

RFD

WBAN # 94822

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	0.01	T	T	T	0.02	0.03	T						01												01	0.06	0.05 0.00 0.00 0.00 0.00	
02													02												02			
03													03												03			
04													04												04			
05													05												05			
06													06												06	0.21	0.00 0.00 0.00 0.14 0.22	
07													07												07			
08													08												08			
09													09										0.02	0.12	09			
10	0.08	0.10	0.02	T				T	0.01	T	T		10												10			
11													11												11	0.00 T 0.00 0.00 0.00		
12													12			T	T								12			
13													13												13			
14													14												14			
15													15												15			
16													16												16	0.00 0.00 0.01 0.69 0.82		
17													17												17			
18													18										T	0.01	18			
19	0.07	0.08	0.08	0.04	0.02	0.01	0.01	0.01	0.01	0.02	0.11	T	19	0.02	0.05	0.07	0.08	T		0.03	0.03	0.02	0.02	0.01	0.01		19	
20		0.01	T		T	0.12	0.02	0.01	0.08	0.10		0.09	20	0.15	0.07	0.04	0.02	T	T		T	T	T	T	T		20	
21	T	T	T	T	T	T	T	T	T	T	T	T	21	T	T	T	T	T	T						21	T 0.00 0.00 0.00 T		
22													22												22			
23													23												23			
24													24												24			
25								T	T				25			T	T	T	T	T	T			T	25			
26	T	T	T	T	T	T	T	T	T	T	T	T	26	T	T	T	T	T	T	T	T	T	T	T	26	T	0.09 T 0.00	
27	T				T	T							27												27			
28													28												28			

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.05	.08	.09	.09	.10	.14	.16	.20	.24	.28	.31	.37
Ending Date	20	20	20	20	20	20	20	20	20	20	20	20
Ending Time (Hour/Min)	0523	0526	0529	0529	0548	0558	1244	1311	1319	1311	1257	1319

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

**ROCKFORD, IL
FEBRUARY 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							1.00	10.00	
02							.50	10.00	
03							2.00	10.00	
04							10.00	10.00	
05							6.00	10.00	
06							5.00	10.00	
07							2.50	9.00	
08							3.00	8.00	
09							4.00	10.00	
10							.13	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							2.50	10.00	
20							.13	10.00	
21							4.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							8.00	10.00	
25							2.00	10.00	
26							1.25	9.00	
27							7.00	10.00	
28							10.00	10.00	
MONTHLY AVGS							6.15	9.86	

SUNSHINE (MINUTES)

Total: Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

28

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

2 9 14

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

FEBRUARY 2002

RFD

WBAN # 94822

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: 0709 FEB 01						SUNSET: 1711						SUNRISE: 0703 FEB 07						SUNSET: 1719											
03	OVC	007			8.00	-SN	28	25	27	88	12	31	28.94	29.75	03	OVC	007			4.00	BR	28	25	27	88	9	29	29.17	29.99
06	OVC	024			2.00	-SN BR	26	22	25	84	18	31	29.10	29.91	06	OVC	005			4.00	BR	30	27	29	88	9	27	29.18	30.01
09	OVC	023			10.00		25	19	23	78	15	31	29.29	30.12	09	CLR	NC			4.00	HZ	31	26	29	82	10	28	29.23	30.06
12	FEW	NC			10.00		30	21	27	69	15	31	29.40	30.23	12	CLR	NC			8.00		37	27	33	67	12	28	29.24	30.06
15	FEW	NC			10.00		31	21	28	67	14	29	29.49	30.32	15	CLR	NC			9.00		41	28	36	60	8	27	29.24	30.05
18	CLR	NC			10.00		26	19	24	75	8	25	29.57	30.40	18	CLR	NC			7.00		35	27	32	72	7	22	29.26	30.08
21	CLR	NC			10.00		19	15	18	85	5	23	29.61	30.46	21	CLR	NC			4.00	BR	28	24	27	85	8	16	29.25	30.07
24	CLR	NC			5.00	BR	15	11	14	84	3	22	29.63	30.47	24	CLR	NC			5.00	BR	30	26	29	85	10	21	29.22	30.04
SUNRISE: 0708 FEB 02						SUNSET: 1712						SUNRISE: 0702 FEB 08						SUNSET: 1720											
03	CLR	NC			4.00	BR	12	8	11	84	3	18	29.62	30.46	03	CLR	NC			7.00		32	27	30	82	12	22	29.19	30.01
06	CLR	NC			4.00	BR	8	4	7	84	3	18	29.61	30.47	06	CLR	NC			4.00	BR	30	26	29	85	12	23	29.20	30.02
09	OVC	001			2.50	BR	10	6	9	84	5	17	29.60	30.46	09	BKN	250			3.00	BR	31	27	29	85	7	22	29.25	30.08
12	BKN	250			10.00		23	18	21	81	12	17	29.54	30.37	12	SCT	NC			6.00	HZ	39	29	35	67	8	22	29.24	30.06
15	BKN	250			10.00		31	23	28	72	18	19	29.45	30.28	15	BKN	250			5.00	HZ	40	31	36	70	7	18	29.23	30.05
18	BKN	250			10.00		29	22	27	75	14	18	29.38	30.21	18	BKN	250			4.00	HZ	35	30	33	82	5	13	29.25	30.08
21	FEW	NC			10.00		33	24	30	70	14	22	29.33	30.16	21	FEW	NC			4.00	HZ	34	29	32	82	5	11	29.26	30.09
24	OVC	030			10.00		33	25	30	72	12	24	29.31	30.14	24	SCT	NC			4.00	BR	35	31	33	85	10	12	29.25	30.07
SUNRISE: 0707 FEB 03						SUNSET: 1713						SUNRISE: 0700 FEB 09						SUNSET: 1721											
03	CLR	NC			8.00		28	21	26	75	10	27	29.29	30.12	03	SCT	NC			5.00	HZ	36	31	34	82	10	13	29.23	30.04
06	CLR	NC			7.00		22	18	21	85	6	25	29.31	30.14	06	SCT	NC			6.00	BR	34	30	32	85	12	14	29.20	30.02
09	FEW	NC			4.00	BR	19	15	18	85	7	23	29.31	30.14	09	BKN	250			8.00		36	31	34	82	10	15	29.24	30.06
12	SCT	NC			10.00		31	22	28	69	9	21	29.27	30.10	12	BKN	250			10.00		43	32	38	65	14	13	29.20	30.02
15	BKN	100			10.00		34	24	30	67	14	26	29.21	30.03	15	BKN	250			10.00		47	32	40	56	13	13	29.14	29.96
18	BKN	032			10.00		31	22	28	69	15	29	29.27	30.09	18	OVC	250			10.00		44	32	39	63	12	10	29.13	29.94
21	FEW	NC			10.00		25	11	21	55	15	33	29.36	30.20	21	OVC	250			10.00		42	32	38	68	10	08	29.12	29.93
24	CLR	NC			10.00		19	8	16	62	12	32	29.44	30.27	24	OVC	032			4.00	-RA	41	32	37	70	10	11	29.09	29.90
SUNRISE: 0706 FEB 04						SUNSET: 1715						SUNRISE: 0659 FEB 10						SUNSET: 1722											
03	CLR	NC			10.00		16	4	13	59	13	33	29.52	30.35	03	OVC	006			3.00	-RA	39	31	36	73	0	00	29.06	29.86
06	CLR	NC			10.00		11	2	9	67	10	33	29.60	30.44	06	VV	001			0.13	FG	38	37	38	97	3	27	29.11	29.91
09	CLR	NC			10.00		14	3	12	61	13	34	29.68	30.53	09	OVC	009			2.50	-SN BR	35	33	34	92	23	36	29.21	30.03
12	CLR	NC			10.00		19	4	15	52	3	29	29.71	30.56	12	OVC	023			10.00		36	30	34	79	28	02	29.29	30.10
15	CLR	NC			10.00		20	6	16	55	7	30	29.70	30.55	15	OVC	023			10.00		34	26	31	73	15	35	29.38	30.20
18	CLR	NC			10.00		16	5	13	62	6	24	29.71	30.56	18	FEW	NC			10.00		32	23	29	69	15	33	29.48	30.30
21	CLR	NC			10.00		10	1	8	67	6	17	29.68	30.54	21	CLR	NC			10.00		29	21	26	72	9	32	29.57	30.39
24	CLR	NC			10.00		6	0	5	76	3	21	29.67	30.53	24	CLR	NC			10.00		26	17	23	69	9	34	29.58	30.41
SUNRISE: 0705 FEB 05						SUNSET: 1716						SUNRISE: 0658 FEB 11						SUNSET: 1724											
03	CLR	NC			10.00		8	1	7	73	6	17	29.63	30.48	03	CLR	NC			10.00		23	15	21	72	0	00	29.57	30.40
06	CLR	NC			10.00		10	1	8	67	5	20	29.59	30.44	06	CLR	NC			10.00		19	17	18	92	0	00	29.56	30.40
09	CLR	NC			10.00		21	8	18	57	10	23	29.58	30.43	09	SCT	NC			10.00		26	19	24	75	10	19	29.51	30.34
12	CLR	NC			10.00		26	13	22	57	14	28	29.55	30.39	12	BKN	250			10.00		32	19	28	59	18	20	29.41	30.24
15	CLR	NC			9.00		30	17	26	59	7	24	29.48	30.31	15	OVC	250			10.00		34	24	30	67	20	20	29.24	30.06
18	CLR	NC			10.00		27	17	24	66	7	23	29.49	30.32	18	CLR	NC			10.00		33	26	30	75	21	19	29.08	29.90
21	CLR	NC			9.00		25	17	23	72	6	22	29.46	30.29	21	BKN	250			10.00		36	25	32	64	20	21	29.05	29.86
24	CLR	NC			6.00	HZ	17	12	16	80	7	20	29.44	30.28	24	BKN	250			10.00		37	25	32	62	16	24	28.98	29.79
SUNRISE: 0704 FEB 06						SUNSET: 1717						SUNRISE: 0657 FEB 12						SUNSET: 1725											
03	CLR	NC			6.00	BR	16	12	15	84	7	19	29.40	30.24	03	OVC	036			10.00		38	28	34	68	13	27	29.01	29.81
06	CLR	NC			7.00		15	11	14	84	5	15	29.37	30.21	06	OVC	034			10.00		37	27	33	67	20	29	29.05	29.85
09	FEW	NC			7.00		19	14	18	81	6	17	29.38	30.21	09	BKN	042			10.00		37	25	32	62	23	29	29.12	29.94
12	FEW	NC			8.00		33	22	29	64	8	19	29.33	30.16	12	BKN	049			10.00		39	22	33	50	20	29	29.17	29.98
15	FEW	NC			9.00		36	25	32	64	10	21	29.27	30.10	15	OVC	040			10.00		39	25	34	57	26	29	29.17	29.99
18	SCT	NC																											

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RFD

WBAN # 94822

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	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	Visibility (Miles)		Dry Bulb	Dew Point	Wet Bulb		Speed (Mph)	Direction Tens of Deg	Station	Sea Level
Sunrise: 0655 Feb 13 Sunset: 1726																													
03	CLR	NC			10.00	19	9	16	65	0	00	29.52	30.35	03	OVC	022			9.00	-RA	40	37	39	89	15	16	29.11	29.91	
06	CLR	NC			10.00	17	12	16	80	0	00	29.54	30.37	06	OVC	050			9.00		42	36	39	79	12	16	29.07	29.87	
09	CLR	NC			10.00	23	12	20	63	6	20	29.57	30.40	09	OVC	031			5.00	-RA BR	42	40	41	92	14	16	29.05	29.85	
12	CLR	NC			10.00	31	11	25	43	14	24	29.56	30.38	12	OVC	008			7.00	-RA	44	42	43	93	14	16	28.99	29.80	
15	SCT	NC			10.00	35	17	29	48	12	24	29.49	30.32	15	OVC	006			4.00	-RA BR	45	44	45	97	12	17	28.94	29.74	
18	CLR	NC			10.00	31	21	28	67	10	20	29.46	30.29	18	OVC	004			7.00		46	45	46	96	9	16	28.89	29.69	
21	CLR	NC			10.00	30	22	27	72	12	21	29.44	30.26	21	OVC	004			5.00	BR	46	44	45	93	8	16	28.85	29.65	
24	CLR	NC			10.00	29	22	27	75	10	20	29.40	30.22	24	OVC	004			2.50	BR	47	46	46	97	12	18	28.78	29.58	
Sunrise: 0654 Feb 14 Sunset: 1728																													
03	CLR	NC			10.00	30	21	27	69	14	21	29.37	30.19	03	VV	001			0.50	FG	47	47	47	100	8	19	28.71	29.51	
06	CLR	NC			10.00	30	21	27	69	16	20	29.33	30.16	06	OVC	001			2.00	RA BR	47	47	47	100	5	08	28.63	29.42	
09	OVC	250			10.00	35	21	30	57	21	21	29.32	30.14	09	OVC	002			0.25	+RA FG	47	47	47	100	7	21	28.59	29.38	
12	OVC	250			10.00	42	23	35	47	24	21	29.27	30.09	12	OVC	021			5.00	RA BR	43	42	43	97	17	27	28.60	29.39	
15	OVC	250			10.00	44	25	37	47	17	19	29.17	29.99	15	OVC	010			8.00	-RA	39	37	38	93	15	28	28.66	29.45	
18	BKN	250			10.00	39	25	34	57	14	18	29.13	29.95	18	OVC	010			10.00		37	34	36	89	14	27	28.75	29.55	
21	BKN	200			10.00	37	27	33	67	15	19	29.11	29.92	21	OVC	013			9.00	-SN	35	15	28	44	15	28	28.81	29.62	
24	OVC	150			10.00	40	25	34	55	17	20	29.04	29.85	24	OVC	013			7.00	-SN	33	32	33	96	13	28	28.88	29.69	
Sunrise: 0653 Feb 15 Sunset: 1729																													
03	OVC	110			10.00	42	25	35	51	16	23	28.98	29.78	03	OVC	018			7.00	-SN	33	32	33	96	9	30	28.94	29.74	
06	FEW	NC			10.00	35	28	32	76	13	25	29.00	29.80	06	OVC	032			9.00	-SN	32	31	32	96	9	35	29.03	29.83	
09	OVC	018			10.00	36	30	34	79	14	28	29.07	29.88	09	OVC	026			6.00	-SN BR	31	29	30	92	13	33	29.12	29.93	
12	OVC	023			10.00	37	27	33	67	20	29	29.12	29.93	12	OVC	017			9.00	-SN	32	30	31	92	15	35	29.20	30.02	
15	BKN	033			10.00	42	26	36	53	17	29	29.12	29.93	15	OVC	025			9.00	-SN	32	30	31	92	16	35	29.27	30.09	
18	FEW	NC			10.00	39	25	34	57	13	27	29.16	29.98	18	OVC	050			10.00		32	30	31	92	12	34	29.36	30.18	
21	OVC	100			10.00	38	27	34	65	12	23	29.15	29.97	21	CLR	NC			10.00		29	28	29	96	12	34	29.39	30.22	
24	OVC	100			10.00	38	26	33	62	16	23	29.08	29.88	24	CLR	NC			10.00		28	21	26	75	10	35	29.43	30.26	
Sunrise: 0651 Feb 16 Sunset: 1730																													
03	OVC	080			10.00	37	26	33	65	14	24	29.00	29.80	03	CLR	NC			10.00		25	19	23	78	10	35	29.44	30.27	
06	OVC	150			10.00	35	27	32	72	12	26	28.97	29.78	06	CLR	NC			10.00		22	17	21	81	7	33	29.47	30.30	
09	OVC	039			10.00	38	29	34	70	17	31	29.02	29.82	09	CLR	NC			10.00		27	19	24	71	8	36	29.49	30.31	
12	OVC	038			10.00	40	25	34	55	17	32	29.10	29.91	12	FEW	NC			10.00		34	22	30	60	9	31	29.46	30.29	
15	FEW	NC			10.00	44	21	35	40	18	33	29.13	29.94	15	FEW	NC			10.00		40	21	33	46	5	VR	29.40	30.22	
18	FEW	NC			10.00	37	18	30	46	9	30	29.19	30.01	18	BKN	250			10.00		36	18	30	48	5	31	29.40	30.22	
21	BKN	055			10.00	35	22	30	59	12	32	29.25	30.06	21	SCT	NC			10.00		30	22	27	72	0	00	29.39	30.21	
24	OVC	060			10.00	35	24	31	64	14	32	29.26	30.08	24	BKN	180			10.00		28	20	25	72	3	16	29.36	30.18	
Sunrise: 0650 Feb 17 Sunset: 1731																													
03	CLR	NC			10.00	28	19	25	69	9	35	29.33	30.14	03	OVC	095			10.00		32	26	30	79	8	19	29.32	30.14	
06	CLR	NC			10.00	25	18	23	75	7	36	29.40	30.22	06	OVC	100			10.00		31	25	29	78	9	18	29.29	30.11	
09	CLR	NC			10.00	30	19	26	64	8	36	29.48	30.30	09	OVC	080			10.00		34	27	31	74	10	19	29.28	30.10	
12	CLR	NC			10.00	36	17	30	46	7	28	29.49	30.31	12	BKN	100			10.00		44	29	38	57	21	18	29.20	30.02	
15	CLR	NC			10.00	38	16	30	41	5	VR	29.46	30.28	15	BKN	130			10.00		48	30	40	50	25	19	29.12	29.93	
18	FEW	NC			10.00	33	18	28	54	7	VR	29.43	30.26	18	BKN	150			10.00		43	35	40	74	13	18	29.12	29.93	
21	FEW	NC			10.00	29	20	26	69	8	09	29.41	30.24	21	BKN	150			10.00		42	34	39	73	12	19	29.15	29.97	
24	SCT	NC			10.00	29	22	27	75	10	14	29.39	30.21	24	OVC	150			10.00		38	32	36	79	9	18	29.15	29.96	
Sunrise: 0648 Feb 18 Sunset: 1733																													
03	BKN	250			10.00	29	22	27	75	12	17	29.37	30.19	03	OVC	180			10.00		36	30	34	79	9	18	29.14	29.95	
06	FEW	NC			10.00	29	22	27	75	14	17	29.34	30.16	06	OVC	180			9.00		36	31	34	83	9	16	29.14	29.96	
09	OVC	180			10.00	35	24	31	64	16	18	29.32	30.14	09	OVC	150			10.00		41	33	38	74	12	18	29.15	29.96	
12	OVC	150			10.00	46	27	38	47	20	18	29.27	30.08	12	SCT	NC			10.00		55	38	47	53	18	17	29.07	29.86	
15	OVC	110			10.00	50	29	41	44	23	18	29.20	30.01	15	BKN	250			10.00		61	40	50	46	20	16	28.94	29.74	
18	OVC	110			10.00	46	30	39	54	13	15	29.16	29.97	18	BKN	250			10.00		54	40	47	59	17	17	28.93	29.73	
21	OVC	070			10.00	44	30	38	58	16	17	29.16	29.98	21	BKN	250			10.00		49	37	43	64	14	17	28.94	29.74	
24	OVC	070			10.00	42	32	38	68	12	16	29.14	29.96	24	SCT	NC			10.00		43	33	39	68	7	18	28.94	29.74	

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

FEBRUARY 2002

RFD

WBAN # 94822

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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
03	BKN	250			SUNRISE: 0638	41	34	38	76	0	00	28.96	29.75
06	OVC	009			BR	38	34	36	86	14	35	29.06	29.86
09	OVC	016				36	31	34	83	15	36	29.17	29.98
12	OVC	015				35	28	32	76	15	35	29.20	30.02
15	OVC	017			-SN	34	27	31	76	10	35	29.22	30.04
18	OVC	037			-SN	33	29	31	85	8	34	29.24	30.06
21	OVC	032				32	29	31	88	10	34	29.22	30.04
24	OVC	020			-SN BR	30	28	29	92	12	35	29.17	29.99
03	OVC	023			SUNRISE: 0636	26	24	25	92	14	33	29.15	29.98
06	OVC	035			-SN BR	23	21	22	92	12	33	29.13	29.95
09	OVC	015			-SN BR	23	20	22	88	21	31	29.12	29.94
12	OVC	013			-SN BR	24	21	23	88	21	30	29.11	29.93
15	BKN	019			-SN	23	18	21	81	18	30	29.11	29.93
18	BKN	039			-SN	21	15	19	78	21	29	29.12	29.96
21	OVC	045			-SN	18	14	17	84	16	29	29.13	29.96
24	OVC	026			-SN	17	11	15	77	14	31	29.12	29.95
03	BKN	028			SUNRISE: 0635	16	10	14	77	13	30	29.12	29.96
06	CLR	NC				17	9	15	70	16	31	29.16	29.99
09	BKN	250				17	6	14	62	20	30	29.22	30.05
12	BKN	032				21	8	18	57	16	30	29.25	30.09
15	SCT	NC				23	11	20	60	14	27	29.26	30.10
18	CLR	NC				21	8	18	57	8	28	29.28	30.12
21	CLR	NC				17	8	15	68	6	23	29.31	30.14
24	CLR	NC				15	7	13	70	6	21	29.29	30.12
03	CLR	NC			SUNRISE: 0633	12	7	11	80	7	18	29.25	30.09
06	CLR	NC				16	8	14	71	8	18	29.20	30.03
09	OVC	050				23	10	19	57	15	22	29.17	30.01
12	OVC	030				28	18	25	66	20	26	29.15	29.98
15	OVC	039				31	17	26	56	18	26	29.16	29.99
18	OVC	050				30	20	27	66	9	26	29.23	30.06
21	BKN	200				25	17	23	72	7	30	29.30	30.13
24	SCT	NC				22	14	20	71	7	27	29.35	30.19
03					SUNRISE:								
06													
09													
12													
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03					SUNRISE:								
06													
09													
12													
15													
18													
21													
24													

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.

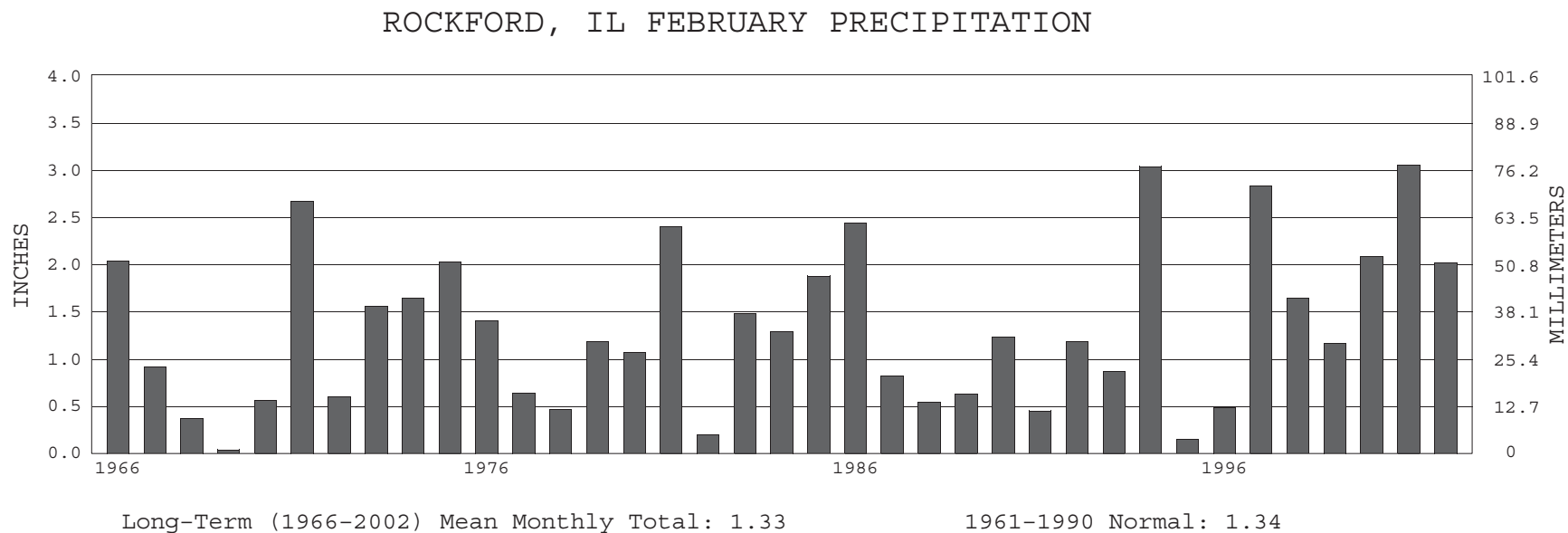
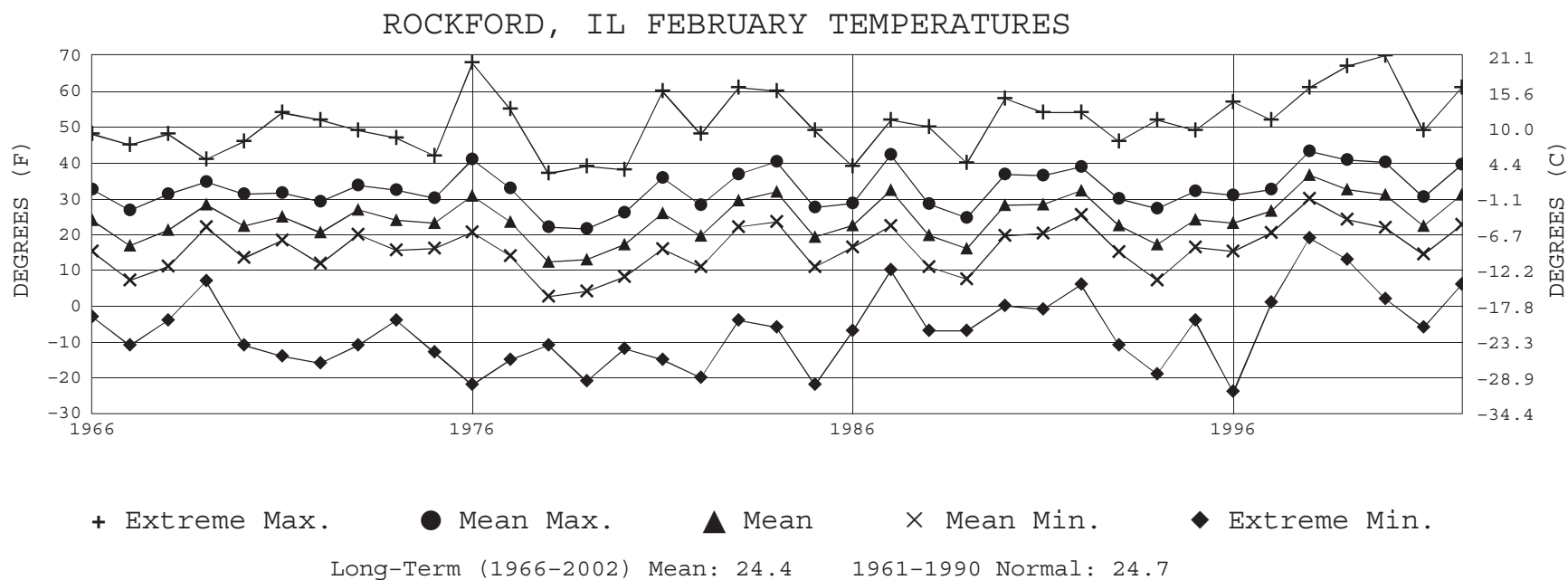
NC= No ceiling detected.

& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			29	22	27	75	29.23	30.05	8.15	10	4	24
02			29	22	27	76	29.23	30.05	7.88	9	4	24
03			28	22	26	77	29.23	30.05	8.00	9	4	24
04			28	22	26	81	29.23	30.05	7.28	9	4	25
05			27	22	26	81	29.23	30.05	7.42	9	4	25
06			27	22	25	81	29.24	30.06	7.50	9	4	26
07			27	22	25	81	29.25	30.07	7.64	9	3	25
08			27	22	25	80	29.26	30.08	7.46	10	4	26
09			29	22	27	76	29.27	30.09	7.63	13	5	27
10			32	23	28	71	29.27	30.10	8.26	14	6	26
11			34	23	30	67	29.27	30.10	9.09	14	6	26
12			35	24	31	65	29.26	30.08	9.09	15	7	26
13			36	24	32	65	29.25	30.07	9.02	14	7	25
14			37	24	32	62	29.24	30.06	9.16	15	7	25
15			37	25	32	62	29.24	30.06	9.12	14	7	25
16			37	25	32	63	29.24	30.06	9.09	14	6	25
17			36	24	32	64	29.24	30.06	9.29	13	6	24
18			34	24	30	68	29.25	30.07	9.46	11	5	24
19			33	24	30	71	29.26	30.08	9.14	11	6	23
20			32	24	29	72	29.26	30.08	9.21	11	4	23
21			31	23	28	71	29.26	30.08	9.18	10	4	23
22			31	22	28	71	29.26	30.08	8.96	10	4	23
23			30	23	27	74	29.25	30.07	8.79	10	4	23
24			30	22	27	74	29.25	30.07	8.30	10	4	23





FEBRUARY 2002

ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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