



# MARCH 2003

## 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		DEPTH	WATER EQUIV	SNOW FALL	WATER EQUIV	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			5-SEC		2-MIN			
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
01	40	20	30	0	19	27	35	0			T	T	29.16	29.98	4.2	23	5.0	15	17	14	19	01		
02	32	10	21	-9	5	19	44	0			T	T	29.22	30.04	8.9	35	12.0	28	01	23	34	02		
03	28	9	19	-12	13	18	46	0			0.7	0.06	29.17	30.00	11.2	18	11.9	29	17	23	18	03		
04	29	12	21	-10	18	21	44	0			5.2	0.45	29.05	29.87	8.3	01	10.1	25	36	22	01	04		
05	21	12	17	-15	7	14	48	0			T	0.01	29.17	30.00	11.4	01	12.3	26	34	21	02	05		
06	26	6	16	-16	13	18	49	0			0.3	0.04	29.23	30.06	6.8	15	9.4	21	16	17	16	06		
07	35	21	28	-4	25	28	37	0			0.8	0.04	29.19	30.02	6.3	21	7.7	21	17	18	17	07		
08	33	10	22	-11	18	22	43	0			T	0.02	29.16	29.98	8.7	36	11.1	35	35	28	36	08		
09	11	1	6*	-27	-9	4	59	0			0.0	0.00	29.47	30.32	14.5	29	14.9	28	26	23	30	09		
10	16	-2*	7	-27	-4	6	58	0			0.0	0.00	29.48	30.33	5.6	26	6.6	20	30	16	29	10		
11	40	12	26	-8	17	24	39	0			0.0	0.00	29.15	29.97	10.0	20	10.2	28	20	24	20	11		
12	42	25	34	-1	27	31	31	0			0.0	T	29.15	29.97	7.6	06	8.5	22	05	18	04	12		
13	38	26	32	-3	23	28	33	0			0.0	T	29.43	30.26	11.4	05	12.8	30	01	25	02	13		
14	52	23	38	3	29	34	27	0			0.0	0.00	29.33	30.15	9.0	18	9.4	24	18	21	19	14		
15	56	28	42	6	37	38	23	0			0.0	0.00	29.15	29.96	6.4	17	7.3	13	17	13	17	15		
16	68	31	50	14	45	47	15	0			0.0	0.00	28.99	29.79	8.0	18	8.5	17	18	17	18	16		
17	74*	45	60*	23	49	52	5	0			0.0	0.00	28.93	29.72	3.7	13	5.3	13	06	13	06	17		
18	55	39	47	10	42	44	18	0			0.0	0.00	29.07	29.87	16.1	05	16.6	23	06	23	07	18		
19	46	36	41	4	37	39	24	0			T	0.23	28.95	29.75	15.3	06	16.9	26	06	23	05	19		
20	61	43	52	14	47	49	13	0			0.0	0.02	28.85	29.65	1.3	03	7.2	20	30	16	30	20		
21	46	36	41	3	32	37	24	0			0.0	0.00	28.91	29.71	14.4	27	15.0	33	26	28	26	21		
22	48	37	43	4	36	40	22	0			0.0	0.00	29.10	29.91	7.9	27	9.9	24	26	20	26	22		
23	65	28	47	8	33	42	18	0			0.0	0.00	29.11	29.92	6.0	18	6.9	20	24	14	17	23		
24	70	44	57	18	39	48	8	0			0.0	0.14	29.00	29.80	5.5	24	11.1	22	34	18	34	24		
25	60	34	47	7	31	41	18	0			0.0	0.04	29.15	29.95	7.1	30	8.2	23	29	20	30	25		
26	59	31	45	5	28	38	20	0			0.0	0.01	29.16	29.97	3.2	31	6.1	24	29	18	31	26		
27	65	41	53	13	33	44	12	0			0.0	0.01	28.95	29.74	13.2	14	13.9	36*	17	32*	17	27		
28	57	33	45	4	40	43	20	0			0.0	0.38	28.84	29.64	9.5	26	11.9	26	29	21	29	28		
29	37	25	31	-10	22	28	34	0			T	T	29.33	30.15	8.9	32	9.6	24	35	20	31	29		
30	47	20	34	-8	19	29	31	0			T	T	29.42	30.25	5.2	28	6.0	26	26	23	26	30		
31	56	24	40	-2	25	35	25	0			0.0	T	29.17	29.98	8.6	19	9.2	30	21	26	22	31		

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45.6		24.5	35.1	■ ■	25.7	31.9	29.8	0.0	< MONTHLY AVERAGES	TOTALS->	7.0	1.45	29.14	29.96	0.9	26	10.1	<- MONTHLY AVERAGES				
0.1		-2.2	-1.0	■ ■	<-----DEPARTURE FROM NORMAL----->							- .94	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.45 DATE :04				SEA LEVEL PRESSURE				DATE		TIME			
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 5.2 DATE :04				MAXIMUM				: 30.42		10 0654			
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH:				MINIMUM				: 29.47		28 0254			
HEATING: 923		11		6130		-30		NUMBER OF DAYS WITH		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 21		PRECIPITATION ≥ 0.01 INCH : 13								
COOLING: 0		-1		0		-1		MAXIMUM TEMP ≤ 32 : 7		MINIMUM TEMP ≤ 0 : 1		PRECIPITATION ≥ 0.10 INCH : 4										
								THUNDERSTORMS : 1		HEAVY FOG : 7		SNOWFALL ≥ 1.0 INCH : 1										

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## ROCKFORD, IL

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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			T	
02	T	T	T			T	T	T	T				02												02			T	
03												T	03	T	T	T	0.01	T	T	T	0.01	T	T	T	03	0.02		T	
04													04				0.01	0.01	0.02	0.02	0.01	0.01	0.01	T	04	0.09		0.06	
05	0.02		0.02	0.01	T								05										T	05	0.05		0.45		
06	0.02	0.01	T	T	T	T							06											06	0.03		0.04		
07							T	0.02	0.02	T			07											07			0.04		
08													08	0.02	T	T								08			0.02		
09													09											09			0.00		
10													10											10			0.00		
11													11											11			0.00		
12													12									T	T	12			T		
13			T	T									13											13			T		
14													14											14			0.00		
15													15											15			0.00		
16													16											16			0.00		
17													17											17			0.00		
18													18											18			0.00		
19					0.01	0.01	T	0.01	0.03	0.02	T	0.07	19	0.01	T		0.05	0.02		T	T	T	19			0.23			
20	0.02		T						T				20	T	T								T	20			0.02		
21													21											21			0.00		
22													22											22			0.00		
23													23											23			0.00		
24													24					0.01	0.01	T	0.02	0.05	0.05	24			0.14		
25	0.02	0.02											25											25			0.04		
26													26							T	T	T	0.01	26			0.01		
27	T							T	T	0.10	0.02	0.01	27						T	T		T	27	T		0.01			
28		T	T	T	T	0.02	0.02	0.03	0.14				28	T	0.01	0.02	0.01		T			T	28			0.38			
29													29	T	T	T								29			T		
30													30											30			T		
31													31						T	T				31			T		

### 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.

## REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less

BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971–2000

### WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    ' ' = Moderate    '-' = Light

## ROCKFORD, IL MARCH 2003

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

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

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

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

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

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

### ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							4.00	10.00	
02							2.50	10.00	
03							.75	10.00	
04							.06	8.00	
05							1.00	10.00	
06							1.50	10.00	
07							.25	10.00	
08							1.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							8.00	10.00	
12							3.00	8.00	
13							5.00	10.00	
14							4.00	10.00	
15							<.25	5.00	
16							.06	5.00	
17							1.25	8.00	
18							.25	6.00	
19							3.00	7.00	
20							.13	10.00	
21							2.00	10.00	
22							6.00	10.00	
23							.50	10.00	
24							7.00	10.00	
25							10.00	10.00	
26							9.00	10.00	
27							9.00	10.00	
28							1.50	10.00	
29							8.00	10.00	
30							8.00	10.00	
31							6.00	10.00	
<b>MONTHLY AVGS</b>							3.98	9.26	
<b>SUNSHINE (MINUTES)</b>									
Total:      Possible:      Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING									
31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0									
6            17            9									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# ROCKFORD, IL

MARCH 2003

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 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
<b>SUNRISE: 0632 MAR 01 SUNSET: 1746</b>																													
03	SCT	NC		9.00	23	15	21	72	0	00	29.24	30.06	03	BKN	120		8.00	22	19	21	89	12	18	29.16	29.99				
06	OVC	100		8.00	22	16	20	78	0	00	29.23	30.06	06	OVC	110		6.00	26	23	25	88	12	19	29.13	29.96				
09	OVC	060		5.00	31	22	28	69	5	16	29.22	30.05	09	OVC	005		0.25	28	26	27	92	8	20	29.15	29.98				
12	OVC	065		10.00	38	15	30	39	10	18	29.16	29.98	12	OVC	011		5.00	32	28	31	85	9	22	29.19	30.01				
15	OVC	047		10.00	37	18	30	46	7	24	29.12	29.93	15	OVC	015		5.00	34	28	32	79	5	27	29.20	30.03				
18	OVC	095		7.00	35	22	30	59	8	24	29.09	29.91	18	OVC	021		5.00	34	24	30	67	5	23	29.22	30.04				
21	OVC	027		6.00	33	23	29	67	6	27	29.09	29.90	21	OVC	019		5.00	33	29	31	85	7	23	29.25	30.08				
24	OVC	060		4.00	31	27	29	85	9	26	29.07	29.88	24	FEW	NC		5.00	27	25	26	92	6	17	29.22	30.04				
<b>SUNRISE: 0630 MAR 02 SUNSET: 1747</b>																													
03	OVC	075		4.00	30	26	29	85	12	27	29.05	29.86	03	FEW	NC		2.00	23	22	23	96	0	00	29.17	30.00				
06	OVC	018		6.00	31	25	29	79	20	35	29.08	29.89	06	CLR	NC		2.50	22	20	21	92	6	03	29.12	29.95				
09	OVC	047		4.00	24	14	21	65	15	36	29.19	30.01	09	BKN	009		3.00	31	27	29	85	8	09	29.04	29.85				
12	SCT	NC		10.00	24	1	18	37	17	01	29.26	30.09	12	OVC	011		2.50	32	28	30	85	14	02	28.99	29.80				
15	FEW	NC		10.00	24	-9	17	22	16	01	29.27	30.10	15	OVC	039		9.00	23	18	21	81	17	01	29.06	29.88				
18	FEW	NC		10.00	18	-10	13	28	10	01	29.30	30.14	18	BKN	150		9.00	18	11	16	74	13	36	29.23	30.07				
21	FEW	NC		10.00	13	-8	9	38	5	06	29.33	30.17	21	OVC	030		10.00	17	9	15	70	14	34	29.32	30.15				
24	FEW	NC		10.00	10	-4	7	53	5	13	29.33	30.17	24	SCT	NC		10.00	11	1	9	64	13	31	29.38	30.22				
<b>SUNRISE: 0629 MAR 03 SUNSET: 1748</b>																													
03	BKN	250		10.00	10	1	8	67	5	13	29.32	30.16	03	CLR	NC		10.00	4	-5	2	66	10	31	29.41	30.25				
06	OVC	075		10.00	14	7	12	73	7	16	29.30	30.14	06	BKN	120		10.00	2	-10	0	57	16	29	29.48	30.33				
09	OVC	150		10.00	18	6	15	60	20	17	29.25	30.09	09	BKN	250		10.00	3	-13	1	47	15	28	29.52	30.36				
12	OVC	033		4.00	23	12	20	63	21	19	29.18	30.01	12	FEW	NC		10.00	6	-13	3	40	18	29	29.52	30.37				
15	OVC	010		1.00	23	20	22	88	16	18	29.08	29.91	15	OVC	250		10.00	10	-10	7	39	17	27	29.46	30.31				
18	OVC	015		1.00	24	20	23	84	13	20	29.04	29.86	18	FEW	NC		10.00	8	-9	5	45	14	28	29.45	30.30				
21	OVC	030		4.00	26	24	25	92	8	20	29.03	29.85	21	CLR	NC		10.00	7	-8	5	50	15	27	29.46	30.31				
24	OVC	039		8.00	28	24	27	85	5	21	29.04	29.85	24	CLR	NC		10.00	5	-10	3	49	15	29	29.48	30.33				
<b>SUNRISE: 0627 MAR 04 SUNSET: 1750</b>																													
03	BKN	035		7.00	26	22	25	84	3	28	29.03	29.85	03	CLR	NC		10.00	0	-11	-1	59	7	29	29.52	30.37				
06	SCT	NC		0.25	15	13	14	91	3	19	29.06	29.88	06	CLR	NC		10.00	-1	-10	-2	65	7	27	29.56	30.41				
09	OVC	001		0.75	21	20	21	96	0	00	29.10	29.92	09	BKN	250		10.00	4	-6	2	63	7	33	29.56	30.42				
12	OVC	044		6.00	28	22	26	78	9	35	29.10	29.92	12	FEW	NC		10.00	10	-4	7	53	5	29	29.55	30.40				
15	OVC	040		6.00	29	22	27	75	14	03	29.00	29.82	15	FEW	NC		10.00	14	-1	11	51	6	24	29.47	30.33				
18	VV	002		0.50	21	18	20	88	14	02	29.03	29.85	18	FEW	NC		10.00	13	0	10	56	6	24	29.41	30.27				
21	OVC	003		0.50	17	14	16	88	18	01	29.05	29.88	21	OVC	095		10.00	11	0	9	61	6	20	29.39	30.24				
24	OVC	013		1.50	16	12	15	84	16	36	29.04	29.86	24	OVC	060		10.00	14	3	12	61	6	23	29.33	30.17				
<b>SUNRISE: 0626 MAR 05 SUNSET: 1751</b>																													
03	OVC	065		5.00	15	10	14	80	14	35	29.04	29.86	03	OVC	090		10.00	15	5	13	64	6	22	29.27	30.11				
06	BKN	120		9.00	13	4	11	67	15	35	29.11	29.94	06	OVC	095		10.00	14	7	12	73	6	19	29.25	30.09				
09	BKN	250		10.00	15	6	13	67	15	36	29.20	30.03	09	BKN	095		10.00	21	10	18	62	14	20	29.20	30.04				
12	BKN	250		10.00	19	6	16	57	15	02	29.22	30.05	12	SCT	NC		10.00	34	18	29	52	23	20	29.12	29.95				
15	OVC	250		10.00	20	7	17	57	8	08	29.19	30.03	15	FEW	NC		10.00	40	23	34	51	16	21	29.08	29.89				
18	OVC	100		10.00	19	7	16	59	10	01	29.21	30.05	18	OVC	250		10.00	39	26	34	60	10	20	29.04	29.85				
21	OVC	060		10.00	18	4	15	54	9	02	29.21	30.05	21	FEW	NC		9.00	33	27	31	78	5	21	29.06	29.88				
24	VV	013		1.00	15	12	14	88	7	06	29.20	30.04	24	OVC	120		8.00	32	25	29	75	7	19	29.06	29.87				
<b>SUNRISE: 0624 MAR 06 SUNSET: 1752</b>																													
03	OVC	026		2.00	16	12	15	84	7	04	29.20	30.04	03	OVC	120		6.00	28	24	27	85	0	00	29.06	29.87				
06	FEW	NC		8.00	11	8	10	88	3	04	29.22	30.06	06	BKN	250		5.00	27	24	26	89	0	00	29.07	29.88				
09	FEW	NC		9.00	14	10	13	84	0	00	29.28	30.12	09	FEW	NC		5.00	37	27	33	67	10	02	29.15	29.97				
12	FEW	NC		10.00	23	14	20	68	12	13	29.27	30.10	12	BKN	250		7.00	42	28	36	58	9	10	29.16	29.98				
15	OVC	150		10.00	25	17	23	72	13	17	29.25	30.09	15	SCT	NC		6.00	41	31	37	67	13	06	29.17	29.99				
18	FEW	NC		10.00	24	16	22	71	10	16	29.22	30.06	18	OVC	250		7.00	34	28	32	79	15	05	29.22	30.04				
21	SCT	NC		10.00	20	14	18	78	15	15	29.19	30.02	21	OVC	029		6.00	31	27	29	85	12	06	29.25	30.07				
24	FEW	NC		10.00	22	17	20	82	17	16	29.16	29.99	24	OVC	010		7.00	30	27	29	88	14	06	29.22	30.04				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# ROCKFORD, IL

MARCH 2003

RFD

WBAN # 94822

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0612				MAR 13				SUNSET: 1800				SUNRISE: 0602				MAR 19				SUNSET: 1806									
03	OVC	008		5.00	-FZDZ	30	27	29	88	18	03	29.25	30.06	03	OVC	100		6.00	BR	39	34	37	82	14	06	29.05	29.85		
06	OVC	029		10.00		29	23	27	78	16	04	29.34	30.16	06	OVC	020		5.00	-RA BR	36	32	34	86	14	06	29.02	29.82		
09	OVC	012		10.00		29	23	27	78	17	04	29.44	30.27	09	OVC	020		5.00	-RA BR	36	34	35	93	20	04	28.99	29.79		
12	BKN	018		10.00		33	24	30	70	15	07	29.49	30.31	12	OVC	020		3.00	-RA BR	40	37	39	89	22	06	28.93	29.73		
15	SCT	NC		10.00		37	23	32	57	10	07	29.49	30.31	15	OVC	014		7.00		41	34	38	76	23	05	28.87	29.67		
18	SCT	NC		10.00		33	20	29	59	6	09	29.51	30.33	18	OVC	030		3.00	BR	41	37	39	86	14	07	28.87	29.67		
21	SCT	NC		10.00		28	20	25	72	5	09	29.54	30.37	21	OVC	070		4.00	BR	44	42	43	93	9	12	28.90	29.70		
24	FEW	NC		10.00		26	21	24	81	8	13	29.51	30.34	24	OVC	070		5.00	-RA BR	46	44	45	93	6	19	28.89	29.70		
SUNRISE: 0610				MAR 14				SUNSET: 1800				SUNRISE: 0600				MAR 20				SUNSET: 1807									
03	SCT	NC		8.00		25	21	24	85	5	14	29.45	30.27	03	OVC	050		3.00	BR	43	43	43	100	5	09	28.90	29.70		
06	BKN	250		6.00	BR	24	21	23	88	3	20	29.45	30.27	06	VV	001		0.13	FG	45	45	45	100	9	07	28.85	29.65		
09	SCT	NC		6.00	HZ	34	28	32	79	17	19	29.43	30.26	09	OVC	001		0.25	-DZ FG	49	49	49	100	7	10	28.87	29.67		
12	SCT	NC		9.00		44	32	39	63	16	18	29.37	30.19	12	SCT	NC		5.00	HZ	60	55	57	84	6	15	28.86	29.65		
15	FEW	NC		10.00		51	36	44	56	13	19	29.25	30.06	15	BKN	150		10.00		60	50	55	70	9	32	28.81	29.61		
18	FEW	NC		10.00		45	34	40	66	8	18	29.21	30.02	18	BKN	095		6.00	BR	53	49	51	86	5	35	28.81	29.61		
21	CLR	NC		10.00		39	35	37	86	7	17	29.19	30.01	21	OVC	011		3.00	BR	49	47	48	93	9	32	28.83	29.62		
24	CLR	NC		10.00		36	34	35	93	7	18	29.18	29.99	24	OVC	006		5.00	BR	44	42	43	93	12	31	28.81	29.60		
SUNRISE: 0609				MAR 15				SUNSET: 1801				SUNRISE: 0558				MAR 21				SUNSET: 1808									
03	CLR	NC		3.00	BR	30	30	30	100	3	12	29.18	30.00	03	OVC	004		2.00	BR	40	38	39	93	13	30	28.81	29.61		
06	CLR	NC		2.00	BR	29	29	29	100	0	00	29.18	30.00	06	OVC	011		6.00	BR	37	33	35	86	14	28	28.85	29.65		
09	VV	001		<.25	FG	36	36	36	100	10	18	29.20	30.01	09	OVC	017		8.00		40	32	37	73	15	28	28.88	29.67		
12	OVC	002		2.00	BR	40	38	39	93	9	18	29.19	30.00	12	BKN	039		10.00		43	30	38	60	23	26	28.90	29.70		
15	SCT	NC		3.00	HZ	54	46	50	75	9	19	29.12	29.92	15	OVC	034		10.00		44	30	38	58	18	27	28.93	29.74		
18	CLR	NC		3.00	BR	47	44	46	90	12	18	29.12	29.93	18	BKN	100		10.00		42	27	36	55	21	26	28.98	29.78		
21	CLR	NC		2.00	BR	39	38	39	96	8	17	29.10	29.90	21	OVC	032		10.00		39	33	37	79	13	26	29.00	29.80		
24	BKN	001		0.25	FG	37	37	37	100	5	18	29.08	29.88	24	BKN	060		10.00		38	32	35	79	10	26	28.99	29.79		
SUNRISE: 0607				MAR 16				SUNSET: 1802				SUNRISE: 0557				MAR 22				SUNSET: 1809									
03	VV	001		0.06	FG	34	34	34	100	0	00	29.05	29.85	03	OVC	023		9.00		39	32	36	76	17	26	28.98	29.78		
06	VV	001		0.13	FZFG	31	31	31	100	0	00	29.05	29.85	06	OVC	017		9.00		39	33	37	79	14	29	29.02	29.83		
09	OVC	250		3.00	BR	50	46	48	86	13	18	29.03	29.83	09	OVC	015		7.00		41	34	38	76	15	30	29.09	29.90		
12	OVC	250		4.00	HZ	59	49	54	72	13	19	29.01	29.80	12	OVC	017		8.00		44	35	40	71	13	29	29.12	29.93		
15	BKN	250		4.00	HZ	67	54	59	63	17	17	28.94	29.73	15	OVC	021		8.00		47	37	42	69	6	28	29.13	29.94		
18	OVC	250		5.00	HZ	60	53	56	78	9	17	28.93	29.72	18	OVC	033		8.00		47	38	43	71	3	22	29.16	29.97		
21	BKN	250		4.00	BR	53	49	51	86	9	18	28.95	29.75	21	OVC	047		7.00		44	38	41	79	6	17	29.17	29.98		
24	BKN	070		5.00	BR	49	46	47	90	6	18	28.94	29.73	24	OVC	049		6.00	BR	42	38	40	85	6	18	29.17	29.98		
SUNRISE: 0605				MAR 17				SUNSET: 1804				SUNRISE: 0555				MAR 23				SUNSET: 1810									
03	BKN	070		3.00	BR	47	46	46	97	6	18	28.92	29.71	03	CLR	NC		3.00	BR	35	34	35	96	5	18	29.14	29.95		
06	OVC	070		1.25	BR	46	45	46	96	0	00	28.93	29.72	06	CLR	NC		0.50	FZFG	31	30	31	96	3	14	29.15	29.96		
09	BKN	150		3.00	HZ	56	51	53	84	3	16	28.95	29.74	09	CLR	NC		4.00	HZ	46	37	42	71	3	17	29.15	29.96		
12	SCT	NC		6.00	HZ	69	54	60	59	3	19	28.92	29.70	12	FEW	NC		10.00		60	31	47	33	10	21	29.12	29.92		
15	BKN	250		7.00		74	55	63	52	8	15	28.89	29.68	15	FEW	NC		10.00		63	30	48	29	8	20	29.08	29.88		
18	OVC	250		7.00		63	53	57	70	7	14	28.91	29.70	18	OVC	250		10.00		57	36	47	45	8	18	29.07	29.88		
21	OVC	250		6.00	HZ	52	47	49	83	6	13	28.97	29.75	21	BKN	250		10.00		52	35	44	53	13	17	29.08	29.88		
24	OVC	005		1.50	BR	45	43	44	93	13	06	29.00	29.79	24	SCT	NC		10.00		45	33	40	63	9	19	29.07	29.86		
SUNRISE: 0604				MAR 18				SUNSET: 1805				SUNRISE: 0553				MAR 24				SUNSET: 1812									
03	OVC	002		0.75	BR	44	43	44	96	10	03	29.02	29.80	03	BKN	110		10.00		48	32	41	54	12	18	29.02	29.81		
06	OVC	001		0.75	BR	43	42	43	97	12	04	29.05	29.84	06	BKN	150		10.00		48	36	43	63	15	18	28.99	29.78		
09	OVC	001		0.75	BR	46	45	46	96	15	05	29.08	29.88	09	OVC	150		10.00		58	41	49	54	9	22	28.99	29.78		
12	OVC	005		1.75	BR	50	46	48	86	20	05	29.07	29.87	12	OVC	150		10.00		66	44	54	45	9	25	28.98	29.77		
15	OVC	020		6.00	HZ	51	43	47	74	22	04	29.07	29.86	15	BKN	250		10.00		69	45	56	42	13	26	28.96	29.74		
18	OVC	015		4.00	HZ	47	42	45	83	23	06	29.08	29.88	18	OVC	070		10.00		64	41	52	43	13	34	28.96	29.75		
21	OVC	013		5.00	BR	43	39	41	86	23	07	29.11	29.91	21	OVC	065		10.00		54	35	45	49	10	35	29.06	29.85		
24	OVC	150		6.00	BR	39	36	38	89	17	06	29.10	29.89	24	OVC	055		8.00	-RA	46	41	44	83	3	VR	29.08	29.87		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# ROCKFORD, IL

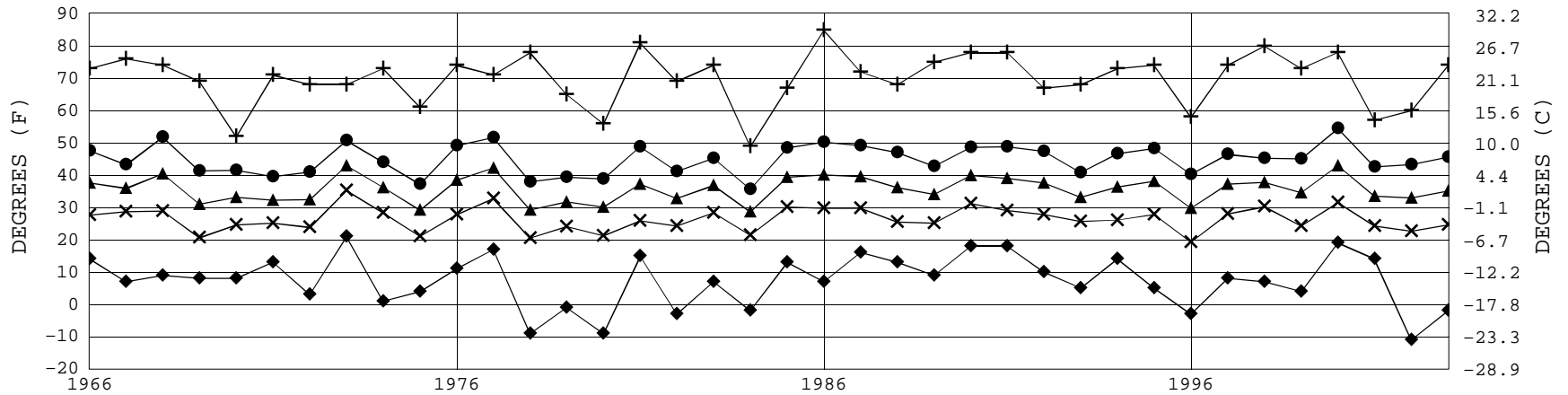
MARCH 2003

RFD

WBAN # 94822

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)														
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL									
SUNRISE: 0552 MAR 25 SUNSET: 1813												SUNRISE: 0541 MAR 31 SUNSET: 1819																								
03	OVC	085		10.00	44	41	43	89	3	24	29.08	29.88	03	CLR	NC		10.00	26	21	24	81	0	00	29.34	30.16											
06	BKN	250		10.00	38	37	38	97	0	00	29.12	29.93	06	FEW	NC		10.00	24	22	23	91	0	00	29.35	30.17											
09	BKN	250		10.00	50	32	42	50	10	32	29.16	29.97	09	CLR	NC		10.00	41	26	35	55	6	17	29.33	30.14											
12	BKN	250		10.00	56	24	43	29	14	31	29.15	29.95	12	SCT	NC		10.00	51	20	39	29	13	21	29.25	30.06											
15	OVC	150		10.00	55	25	42	31	14	31	29.13	29.94	15	OVC	250		10.00	54	21	41	28	16	20	29.12	29.92											
18	BKN	250		10.00	53	27	42	37	13	30	29.15	29.96	18	OVC	039		6.00	-RA BR	51	31	42	46	17	22	29.05	29.86										
21	FEW	NC		10.00	43	26	36	51	9	28	29.18	29.99	21	OVC	100		10.00	48	31	41	52	16	17	28.94	29.74											
24	CLR	NC		10.00	36	27	33	70	0	00	29.19	30.00	24	SCT	NC		10.00	45	31	39	58	12	19	28.85	29.65											
SUNRISE: 0550 MAR 26 SUNSET: 1814												3-HOURLY OBSERVATION NOTES																								
03	CLR	NC		10.00	31	25	29	79	0	00	29.18	30.00	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.																							
06	OVC	090		10.00	33	28	31	82	0	00	29.21	30.03	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																							
09	SCT	NC		10.00	47	28	39	48	9	14	29.17	29.98	NC= No ceiling detected.																							
12	BKN	150		10.00	55	26	43	33	12	29	29.14	29.96	& = Original observation contained additional weather elements.																							
15	SCT	NC		10.00	58	25	44	28	10	29	29.12	29.92	See page 3 for additional notes.																							
18	OVC	080		10.00	52	28	42	40	9	31	29.13	29.94																								
21	OVC	070		10.00	49	31	41	50	6	34	29.14	29.95																								
24	OVC	049		10.00	45	31	39	58	6	08	29.12	29.92																								
SUNRISE: 0548 MAR 27 SUNSET: 1815												SUMMARY BY HOUR																								
03	OVC	100		10.00	42	37	40	82	12	12	29.08	29.88	AVERAGES												RESULTANT WIND (MPH)											
06	OVC	085		10.00	44	34	40	68	13	12	29.07	29.86																								
09	OVC	150		10.00	46	36	42	68	13	12	29.05	29.85	HOUR (LST)												SPEED		DIRECTION									
12	OVC	150		10.00	60	35	48	39	17	14	28.96	29.76	CEILOMETER												WIND SPEED (MPH)											
15	OVC	150		10.00	61	29	46	30	20	17	28.90	29.69	EFF CLD AMT												SPEED		DIRECTION									
18	OVC	150		10.00	58	31	46	36	13	15	28.83	29.62	DRY BULB												SPEED		DIRECTION									
21	OVC	095		10.00	57	32	46	39	13	14	28.83	29.62	DEW POINT												SPEED		DIRECTION									
24	OVC	090		10.00	56	39	48	53	15	15	28.75	29.53	WET BULB												SPEED		DIRECTION									
SUNRISE: 0546 MAR 28 SUNSET: 1816												PRESSURE (INCHES, HG)																								
03	OVC	085		8.00	54	48	51	80	7	16	28.68	29.47	STATION																							
06	OVC	022		8.00	53	50	51	89	5	25	28.72	29.51	SEA LEVEL																							
09	OVC	005		1.50	50	49	49	96	10	25	28.74	29.53	VISIBILITY (MILES)																							
12	OVC	009		4.00	45	42	44	90	16	26	28.79	29.58	WIND SPEED (MPH)																							
15	OVC	015		5.00	41	38	40	89	16	27	28.86	29.66	PRESSURE (INCHES, HG)																							
18	OVC	021		10.00	36	33	35	89	14	28	28.98	29.78	VISIBILITY (MILES)																							
21	BKN	032		10.00	35	28	32	76	15	29	29.02	29.83	WIND SPEED (MPH)																							
24	SCT	NC		10.00	34	28	32	79	15	29	29.09	29.89	PRESSURE (INCHES, HG)																							
SUNRISE: 0545 MAR 29 SUNSET: 1817												RESULTANT WIND (MPH)																								
03	OVC	045		10.00	33	26	30	75	10	30	29.12	29.94	SPEED																							
06	OVC	042		10.00	31	20	27	64	15	34	29.20	30.02	DIRECTION																							
09	OVC	055		10.00	32	18	27	56	12	32	29.27	30.10																								
12	OVC	040		10.00	35	18	29	50	18	30	29.33	30.15																								
15	OVC	055		10.00	35	20	30	54	12	34	29.39	30.21																								
18	BKN	055		10.00	34	21	29	59	6	36	29.45	30.27																								
21	CLR	NC		10.00	30	24	28	79	0	00	29.50	30.33																								
24	CLR	NC		10.00	25	23	24	92	0	00	29.51	30.34																								
SUNRISE: 0543 MAR 30 SUNSET: 1818												PUBLISHED BY: NCDC, ASHEVILLE, NC.																								
03	CLR	NC		10.00	23	20	22	88	0	00	29.49	30.32	PAGE 6																							
06	CLR	NC		10.00	21	18	20	88	0	00	29.49	30.32																								
09	FEW	NC		10.00	35	21	30	57	3	VR	29.48	30.31																								
12	SCT	NC		10.00	43	16	33	34	14	28	29.43	30.25																								
15	OVC	080		10.00	45	16	35	31	15	26	29.36	30.18																								
18	OVC	080		10.00	42	18	33	38	9	30	29.35	30.17																								
21	BKN	250		10.00	36	21	31	55	6	30	29.37	30.19																								
24	BKN	090		10.00	31	21	28	67	0	00	29.36	30.18																								

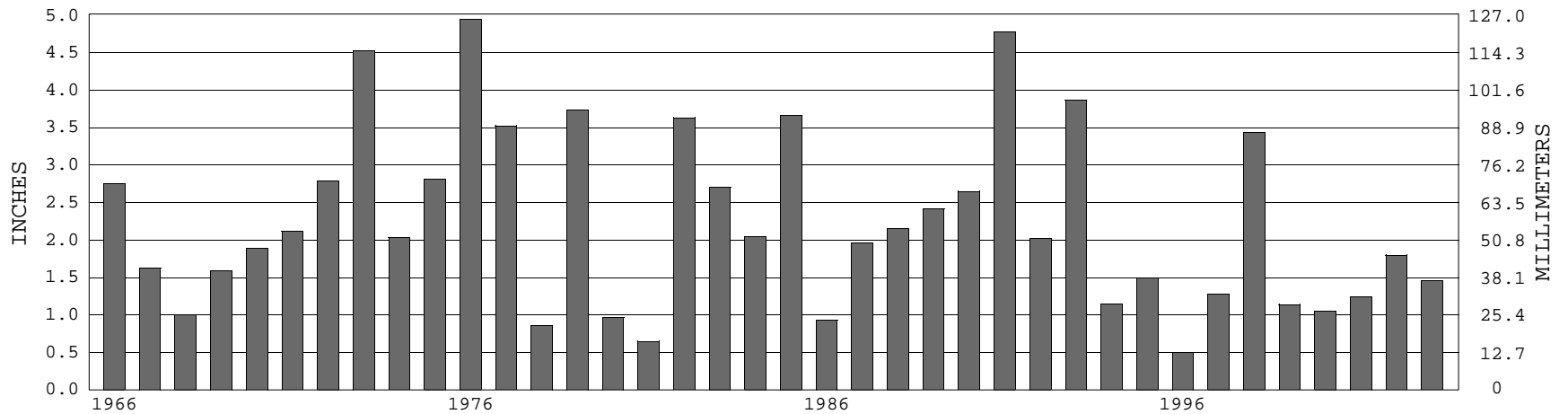
### ROCKFORD, IL MARCH TEMPERATURES



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

Long-Term (1966-2003) Mean: 35.7      1961-1990 Normal: 36.1

### ROCKFORD, IL MARCH PRECIPITATION



Long-Term (1966-2003) Mean Monthly Total: 2.24

1961-1990 Normal: 2.39



MARCH 2003

ROCKFORD, IL

# 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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