



JANUARY 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	22	8	15	-5	4	12	50	0	RA SN BR		12	0.0	0.00	29.53	30.38	4.6	32	4.9	12	32	9	32	01	
02	31	3*	17	-3	8	14	48	0				0.0	0.00	29.59	30.44	1.0	25	1.7	9	27	8	27	02	
03	28	5	17	-2	9	15	48	0				0.0	0.00	29.45	30.29	4.1	25	5.9	15	26	13	26	03	
04	37	15	26	7	18	25	39	0				0.0	0.00	29.20	30.03	11.3	22	11.6	26	22	22	22	04	
05	38	24	31	12	25	29	34	0				T	T	29.12	29.94	6.4	22	6.7	16	23	13	23	05	
06	35	18	27	8	21	26	38	0	SN BR HZ			T	T	29.16	29.98	10.5	35	10.8	25	34	21	01	06	
07	27	10	19	0	10	17	46	0	0.0			0.00	29.30	30.13	4.9	27	8.7	17	31	15	31	07		
08	44	19	32	13	22	29	33	0	0.0			0.00	28.96	29.78	11.7	21	11.9	22	20	18	21	08		
09	56	34	45	26	33	39	20	0	0.0			0.00	28.89	29.69	6.9	26	8.8	23	28	21	29	09		
10	44	30	37	18	30	34	28	0	0.0			0.00	29.13	29.94	10.1	29	10.4	25	29	22	29	10		
11	44	29	37	18	26	32	28	0	SN			0.0	0.00	29.22	30.03	8.5	26	10.5	21	30	17	30	11	
12	44	27	36	18	24	31	29	0				T	T	28.97	29.78	9.0	29	10.9	37*	30	28	31	12	
13	44	20	32	14	23	29	33	0				0.0	0.00	28.94	29.75	9.7	16	9.9	24	14	20	14	13	
14	38	32	35	17	31	33	30	0				T	0.08	28.84	29.65	5.2	23	10.4	28	29	22	29	14	
15	33	27	30	12	23	28	35	0				T	T	29.28	30.10	10.8	28	11.1	26	29	21	29	15	
16	31	19	25	7	23	26	40	0	SN FZFG BR			2.3	0.17	29.25	30.08	3.2	25	8.7	26	29	22	29	16	
17	25	7	16	-2	12	16	49	0	T			T	29.33	30.17	5.1	26	6.3	21	30	17	29	17		
18	18	8	13*	-5	4	11	52	0	0.0			0.00	29.43	30.27	5.9	29	6.4	17	31	14	29	18		
19	31	11	21	2	15	20	44	0	0.0			T	29.18	30.01	7.9	21	8.2	20	16	24	19			
20	35	19	27	8	22	26	38	0	0.0			0.00	29.06	29.89	10.8	20	11.4	25	20	22	19	20		
21	37	24	31	12	25	29	34	0	SN BR			0.2	0.02	29.03	29.85	6.7	24	9.6	24	29	18	29	21	
22	51	24	38	19	26	33	27	0	0.0			T	29.10	29.92	12.0	18	12.2	31	17	26	17	22		
23	47	32	40	21	33	37	25	0	0.0			0.01	29.02	29.83	2.5	35	7.3	21	01	17	36	23		
24	38	30	34	15	24	30	31	0	0.0			0.00	29.20	30.02	7.1	28	9.6	24	26	16	24	24		
25	50	23	37	18	21	31	28	0	0.0			0.00	29.22	30.03	12.6	21	13.7	35	24	29*	24	25		
26	54	30	42	23	25	34	23	0	BR FZDZ SN BR FZDZ SN BR HZ RA DZ FZRA SN PL BR BLSN			0.0	0.00	29.16	29.97	9.3	17	11.7	24	28	17	20	26	
27	59*	33	46*	26	30	38	19	0				0.0	0.00	29.10	29.91	13.0	19	13.2	24	20	21	21	27	
28	47	29	38	18	32	35	27	0				0.0	0.00	29.09	29.90	7.9	05	8.5	22	02	20	03	28	
29	33	27	30	10	27	29	35	0				0.0	T	29.22	30.03	10.9	03	11.3	20	02	17	02	29	
30	31	26	29	9	26	28	36	0				4.8	0.14	29.42	30.25	9.4	03	9.7	17	05	15	04	30	
31	33	30	32	12	30	31	33	0				3.1	0.27	29.14	29.96	12.1	05	13.1	28	05	22	05	31	
38.2												< MONTHLY AVERAGES		TOTALS->		10.4	0.69	29.18	30.00	3.4	24	9.5	<- MONTHLY AVERAGES	
11.0														- .72	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.27 DATE :31					SEA LEVEL PRESSURE DATE TIME										
MONTHLY									GREATEST 24-HR SNOWFALL: 4.8 DATE :30					MAXIMUM										
TOTAL DEPARTURE									GREATEST SNOW DEPTH: DATE :					MINIMUM										
HEATING: 1080 -371									NUMBER OF DAYS WITH ➡					PRECIPITATION ≥ 0.01 INCH : 6										
COOLING: 0 0									MAXIMUM TEMP ≥ 90: 0					PRECIPITATION ≥ 0.10 INCH : 3										
									MAXIMUM TEMP ≤ 32 : 9					MINIMUM TEMP ≤ 0 : 0										
									THUNDERSTORMS : 0					HEAVY FOG : 0										
									MINIMUM TEMP ≤ 32 : 29															
									MINIMUM TEMP ≤ 0 : 0															
									SNOWFALL ≥ 1.0 INCH : 3															

JANUARY 2002
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

JANUARY 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													01												01	0.11	0.00	
02													02												02		0.00	
03													03												03		0.00	
04													04												04		0.00	
05													05		T	T		T	T						05		T	
06													06		T	T									06		T	
07													07												07		0.00	
08													08												08		0.00	
09													09												09		0.00	
10													10												10		0.00	
11													11												11		0.00	
12												T	12												12		T	
13													13												13		0.00	
14		T											14	T	0.01	T	T						0.01	T	14		0.08	
15			T					T	T	0.03	0.01	0.01	15												15		T	
16													16	0.03	0.03	0.02	T	T	T						16		0.17	
17													17												17		T	
18													18												18		0.00	
19													19												19		T	
20													20												20		0.00	
21													21												21		0.02	
22			T	0.01	0.01								22								T				22		T	
23										0.01	T		23	T											23		0.01	
24													24												24		0.00	
25													25												25		0.00	
26													26												26		0.00	
27													27												27		0.00	
28													28												28		0.00	
29													29	T	T		T	T					T	T	29		T	
30	T	0.02											30	T			T	T		0.01	0.02	0.04	0.04	0.03	30		0.14	
31			0.03	0.04	0.02	T	T	0.01	T		T	T	31		T	T	T	T	T	0.03	0.02	0.02	0.04	0.01	0.01		31	0.27

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

**ROCKFORD, IL
JANUARY 2002**

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

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

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

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

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

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							7.00	10.00	
03							9.00	10.00	
04							10.00	10.00	
05							3.00	10.00	
06							3.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							2.50	10.00	
15							5.00	10.00	
16							.50	10.00	
17							5.00	10.00	
18							10.00	10.00	
19							7.00	10.00	
20							3.00	10.00	
21							1.50	10.00	
22							10.00	10.00	
23							.75	10.00	
24							8.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							6.00	10.00	
29							2.50	10.00	
30							.75	8.00	
31							.75	10.00	
MONTHLY AVGS							6.65	9.94	

SUNSHINE (MINUTES)

Total: Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

31

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

0 10 18

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

JANUARY 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: 0725	JAN 01			SUNSET: 1635										SUNRISE: 0725	JAN 07									
03	OVC	085			10.00		12	2	10	64	6	31	29.42	30.27	03	CLR	NC			10.00		15	8	13	74	8	33	29.35	30.18
06	BKN	090			10.00		10	2	8	69	5	27	29.46	30.30	06	SCT	NC			10.00		12	6	11	77	7	33	29.34	30.17
09	BKN	250			10.00		13	3	11	64	7	33	29.53	30.38	09	SCT	NC			10.00		15	8	13	74	12	32	29.40	30.24
12	OVC	110			10.00		18	4	15	54	7	33	29.53	30.37	12	FEW	NC			10.00		23	10	19	57	5	21	29.33	30.16
15	BKN	065			10.00		21	5	17	50	7	32	29.56	30.40	15	CLR	NC			10.00		26	9	21	48	12	24	29.26	30.09
18	FEW	NC			10.00		17	7	15	64	5	33	29.59	30.44	18	FEW	NC			10.00		19	10	17	68	8	19	29.26	30.09
21	FEW	NC			10.00		12	6	11	77	0	00	29.62	30.47	21	CLR	NC			10.00		21	14	19	74	12	22	29.21	30.05
24	CLR	NC			10.00		8	4	7	83	0	00	29.62	30.47	24	CLR	NC			10.00		22	15	20	75	10	21	29.13	29.96
					SUNRISE: 0725	JAN 02			SUNSET: 1636										SUNRISE: 0725	JAN 08									
03	CLR	NC			8.00		7	2	6	80	0	00	29.65	30.51	03	CLR	NC			10.00		22	15	20	75	9	20	29.11	29.93
06	CLR	NC			10.00		5	1	4	83	0	00	29.64	30.49	06	CLR	NC			10.00		21	16	20	81	9	19	29.04	29.87
09	FEW	NC			9.00		11	6	10	81	0	00	29.65	30.51	09	SCT	NC			10.00		26	18	23	71	13	21	29.02	29.84
12	CLR	NC			10.00		26	14	22	60	0	00	29.59	30.44	12	SCT	NC			10.00		37	21	31	52	14	22	28.96	29.77
15	CLR	NC			10.00		30	12	25	47	5	VR	29.55	30.39	15	BKN	250			10.00		42	24	35	49	15	21	28.89	29.70
18	CLR	NC			10.00		23	13	20	65	3	27	29.55	30.40	18	BKN	250			10.00		39	27	34	62	9	21	28.90	29.71
21	CLR	NC			10.00		16	11	15	80	0	00	29.53	30.38	21	CLR	NC			10.00		40	30	36	68	14	21	28.85	29.66
24	CLR	NC			8.00		12	9	11	87	0	00	29.49	30.32	24	OVC	150			10.00		43	31	38	63	10	23	28.83	29.64
					SUNRISE: 0725	JAN 03			SUNSET: 1637										SUNRISE: 0724	JAN 09									
03	CLR	NC			10.00		11	7	10	84	0	00	29.48	30.31	03	CLR	NC			10.00		42	31	37	65	12	24	28.80	29.60
06	CLR	NC			10.00		7	2	6	80	3	24	29.50	30.35	06	FEW	NC			10.00		36	30	34	79	8	20	28.81	29.61
09	CLR	NC			10.00		14	9	13	80	7	29	29.52	30.36	09	BKN	250			10.00		40	31	36	70	7	22	28.84	29.65
12	FEW	NC			10.00		25	12	21	58	10	27	29.46	30.30	12	OVC	200			10.00		53	36	45	52	12	29	28.86	29.65
15	FEW	NC			10.00		27	13	23	55	9	25	29.44	30.27	15	OVC	200			10.00		54	36	46	51	13	27	28.88	29.68
18	CLR	NC			10.00		21	12	18	68	3	22	29.42	30.26	18	BKN	200			10.00		48	35	42	61	10	26	28.95	29.75
21	CLR	NC			10.00		15	9	14	77	6	19	29.38	30.23	21	CLR	NC			10.00		42	32	38	68	7	28	29.00	29.80
24	FEW	NC			10.00		16	11	15	80	9	18	29.35	30.18	24	CLR	NC			10.00		41	34	38	76	10	32	29.04	29.84
					SUNRISE: 0725	JAN 04			SUNSET: 1638										SUNRISE: 0724	JAN 10									
03	SCT	NC			10.00		17	11	15	77	9	20	29.31	30.14	03	CLR	NC			10.00		36	31	34	82	5	20	29.06	29.86
06	FEW	NC			10.00		18	11	16	74	13	21	29.24	30.08	06	FEW	NC			10.00		34	30	32	85	6	27	29.09	29.89
09	SCT	NC			10.00		23	14	20	68	14	21	29.24	30.07	09	BKN	250			10.00		36	31	34	82	12	29	29.12	29.93
12	BKN	250			10.00		31	17	26	56	15	23	29.17	30.00	12	OVC	250			10.00		41	31	37	67	13	31	29.13	29.94
15	BKN	250			10.00		37	22	32	54	12	23	29.13	29.95	15	BKN	250			10.00		42	28	36	58	14	30	29.13	29.94
18	BKN	250			10.00		35	22	30	59	8	22	29.14	29.96	18	OVC	065			10.00		35	28	32	76	10	29	29.16	29.98
21	BKN	250			10.00		33	24	30	70	5	22	29.14	29.97	21	OVC	024			10.00		37	29	34	73	10	29	29.20	30.02
24	BKN	250			10.00		35	23	31	61	10	22	29.12	29.94	24	BKN	032			10.00		35	28	32	76	14	29	29.22	30.04
					SUNRISE: 0725	JAN 05			SUNSET: 1639										SUNRISE: 0724	JAN 11									
03	SCT	NC			10.00		31	22	28	69	7	22	29.13	29.95	03	OVC	028			10.00		35	25	31	67	16	31	29.24	30.06
06	OVC	080			9.00		26	22	25	84	7	19	29.12	29.94	06	OVC	024			10.00		33	25	30	72	7	30	29.26	30.08
09	OVC	250			9.00		28	23	26	81	6	24	29.15	29.97	09	CLR	NC			10.00		32	25	29	75	8	25	29.29	30.11
12	OVC	025			10.00		34	25	31	70	9	22	29.13	29.94	12	CLR	NC			10.00		40	27	35	60	12	26	29.26	30.07
15	OVC	050			9.00		36	27	33	70	8	22	29.10	29.91	15	CLR	NC			10.00		44	27	37	51	13	23	29.20	30.02
18	OVC	110			7.00		33	29	31	85	6	23	29.12	29.94	18	CLR	NC			10.00		35	26	32	70	9	20	29.18	30.00
21	BKN	150			5.00	BR	30	28	29	92	6	19	29.10	29.92	21	CLR	NC			10.00		36	28	33	73	10	21	29.13	29.96
24	OVC	180			3.00	BR	29	27	28	92	5	25	29.08	29.90	24	CLR	NC			10.00		32	26	30	79	6	20	29.10	29.91
					SUNRISE: 0725	JAN 06			SUNSET: 1640										SUNRISE: 0724	JAN 12									
03	OVC	017			7.00		32	27	30	82	9	34	29.10	29.91	03	SCT	NC			10.00		34	26	31	73	7	22	29.06	29.86
06	BKN	250			3.00	BR	24	22	23	91	3	34	29.09	29.90	06	BKN	120			10.00		30	26	29	85	0	00	28.98	29.79
09	BKN	050			6.00	HZ	29	24	27	82	7	34	29.10	29.92	09	OVC	110			10.00		35	28	32	76	12	29	28.96	29.77
12	OVC	044			10.00		34																						

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

JANUARY 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 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: 0723 JAN 13 SUNSET: 1647												SUNRISE: 0720 JAN 19 SUNSET: 1654																	
03	BKN	250			10.00	22	19	21	89	5	18	28.98	29.79	03	OVC	180			10.00	12	6	11	77	5	19	29.30	30.14		
06	BKN	180			10.00	21	18	20	88	6	16	28.98	29.79	06	OVC	075			10.00	13	7	12	77	0	00	29.23	30.07		
09	OVC	110			10.00	26	23	25	88	7	18	29.01	29.83	09	BKN	065			10.00	17	7	15	64	6	18	29.20	30.04		
12	OVC	100			10.00	38	25	33	60	10	17	28.96	29.77	12	BKN	250			10.00	24	13	21	62	10	20	29.15	29.98		
15	OVC	250			10.00	41	23	34	49	13	14	28.89	29.70	15	OVC	025			10.00	29	21	26	72	14	22	29.10	29.93		
18	OVC	075			10.00	38	25	33	60	15	14	28.88	29.70	18	OVC	029			8.00	31	25	29	79	13	22	29.10	29.93		
21	OVC	055			10.00	37	26	33	65	16	15	28.88	29.69	21	CLR	NC			7.00	29	23	27	78	9	22	29.12	29.94		
24	OVC	060			10.00	36	29	33	76	8	16	28.84	29.65	24	CLR	NC			7.00	28	23	26	81	14	22	29.13	29.96		
SUNRISE: 0723 JAN 14 SUNSET: 1648												SUNRISE: 0720 JAN 20 SUNSET: 1656																	
03	OVC	048			8.00	35	30	33	82	8	14	28.80	29.61	03	CLR	NC			7.00	25	21	24	85	7	21	29.15	29.97		
06	BKN	080			8.00	33	30	32	89	8	15	28.77	29.57	06	CLR	NC			3.00	21	19	20	92	8	21	29.14	29.97		
09	OVC	033			3.00	34	32	33	92	9	13	28.76	29.56	09	BKN	250			5.00	24	20	23	84	10	21	29.14	29.97		
12	OVC	035			5.00	36	32	34	86	5	19	28.77	29.57	12	SCT	NC			9.00	31	23	28	72	12	21	29.12	29.94		
15	OVC	010			7.00	35	32	34	89	10	24	28.82	29.62	15	BKN	250			9.00	34	25	31	70	13	17	29.03	29.84		
18	OVC	014			7.00	34	30	32	85	10	25	28.90	29.71	18	SCT	NC			10.00	30	23	28	75	8	15	28.98	29.80		
21	OVC	010			4.00	35	32	34	89	12	28	28.96	29.77	21	OVC	017			10.00	31	25	29	79	20	19	28.96	29.78		
24	OVC	015			5.00	32	28	31	85	18	29	29.04	29.85	24	OVC	033			7.00	30	25	28	82	8	18	28.90	29.71		
SUNRISE: 0722 JAN 15 SUNSET: 1650												SUNRISE: 0719 JAN 21 SUNSET: 1657																	
03	OVC	022			10.00	31	25	29	79	14	28	29.11	29.92	03	OVC	016			3.00	30	27	29	88	8	20	28.85	29.66		
06	OVC	036			10.00	31	25	29	79	12	27	29.14	29.97	06	OVC	011			5.00	32	28	30	85	8	25	28.85	29.67		
09	OVC	023			10.00	31	25	29	79	10	28	29.25	30.07	09	OVC	009			7.00	30	25	28	82	14	27	28.96	29.77		
12	OVC	028			10.00	32	24	29	73	14	29	29.31	30.13	12	CLR	NC			10.00	32	24	29	73	14	28	29.07	29.88		
15	OVC	026			10.00	32	22	28	66	9	28	29.35	30.17	15	CLR	NC			10.00	36	24	32	62	9	22	29.10	29.91		
18	OVC	028			10.00	30	19	26	64	6	28	29.39	30.22	18	CLR	NC			10.00	29	24	27	82	6	13	29.16	29.98		
21	OVC	028			10.00	28	19	25	69	7	31	29.40	30.22	21	CLR	NC			10.00	28	23	26	81	7	17	29.16	29.99		
24	OVC	028			10.00	27	18	24	69	6	31	29.44	30.26	24	CLR	NC			10.00	32	24	29	73	9	20	29.20	30.02		
SUNRISE: 0722 JAN 16 SUNSET: 1651												SUNRISE: 0718 JAN 22 SUNSET: 1658																	
03	OVC	070			10.00	26	20	24	78	3	17	29.42	30.24	03	CLR	NC			10.00	30	22	27	72	9	20	29.22	30.04		
06	SCT	NC			10.00	27	21	25	78	5	16	29.36	30.19	06	CLR	NC			10.00	26	20	24	78	8	16	29.22	30.05		
09	OVC	042			9.00	28	22	26	78	10	15	29.32	30.15	09	SCT	NC			10.00	31	23	28	72	8	18	29.23	30.06		
12	OVC	005			0.50	29	27	28	92	12	15	29.18	30.01	12	BKN	250			10.00	44	29	38	55	16	18	29.16	29.97		
15	OVC	006			1.50	31	30	31	96	0	00	29.11	29.92	15	BKN	250			10.00	49	31	41	50	17	18	29.04	29.84		
18	OVC	008			6.00	29	26	28	89	14	31	29.13	29.96	18	SCT	NC			10.00	43	26	36	51	21	17	28.98	29.78		
21	OVC	020			10.00	25	19	23	78	16	30	29.20	30.02	21	OVC	055			10.00	40	30	36	68	14	19	28.96	29.77		
24	CLR	NC			10.00	19	13	17	77	15	29	29.25	30.08	24	CLR	NC			10.00	36	30	34	79	7	17	28.95	29.75		
SUNRISE: 0721 JAN 17 SUNSET: 1652												SUNRISE: 0717 JAN 23 SUNSET: 1659																	
03	CLR	NC			10.00	15	10	14	80	7	29	29.28	30.12	03	CLR	NC			10.00	37	32	35	82	9	20	28.94	29.74		
06	CLR	NC			5.00	10	6	9	84	5	18	29.31	30.15	06	OVC	010			7.00	42	37	40	82	6	20	28.93	29.74		
09	FEW	NC			6.00	11	8	10	88	5	17	29.36	30.20	09	OVC	006			0.75	41	40	41	96	0	00	28.99	29.79		
12	BKN	050			8.00	23	15	21	72	7	25	29.37	30.20	12	OVC	028			2.50	41	39	40	93	6	31	28.99	29.80		
15	FEW	NC			8.00	25	17	23	72	9	29	29.33	30.16	15	BKN	250			9.00	47	36	42	66	8	35	29.03	29.83		
18	FEW	NC			10.00	21	16	20	81	6	22	29.33	30.17	18	BKN	180			10.00	36	28	33	73	14	02	29.11	29.92		
21	OVC	065			10.00	21	14	19	74	8	27	29.35	30.19	21	OVC	180			7.00	33	28	31	82	7	02	29.13	29.95		
24	SCT	NC			10.00	18	11	16	74	7	28	29.37	30.20	24	OVC	028			8.00	34	28	32	79	9	35	29.13	29.95		
SUNRISE: 0721 JAN 18 SUNSET: 1653												SUNRISE: 0717 JAN 24 SUNSET: 1701																	
03	CLR	NC			10.00	16	9	14	74	9	29	29.40	30.23	03	OVC	030			9.00	34	27	31	76	7	36	29.13	29.95		
06	FEW	NC			10.00	10	4	9	76	9	31	29.42	30.26	06	OVC	028			9.00	33	27	31	78	9	32	29.18	30.00		
09	CLR	NC			10.00	12	2	10	64	8	29	29.48	30.32	09	SCT	NC			10.00	31	24	28	76	10	30	29.24	30.07		
12	CLR	NC			10.00	15	4	13	61	9	28	29.49	30.34	12	SCT	NC			10.00	35	23	31	61	9	28	29.22	30.04		
15	FEW	NC			10.00	16	3	13	56	9	29	29.45	30.29	15	FEW	NC			9.00	37	24	32	60	10	25	29.20	30.01		
18	BKN	250			10.00	13	3	11	64	0	00	29.42	30.27	18	CLR	NC			10.00	33	23	29	67	8	22	29.22	30.04		
21	OVC	250			10.00	10	2	8	69	0	00	29.41	30.25	21	CLR	NC			10.00	33	21	29	61	12	23	29.21	30.03		
24	OVC	250			10.00	13	4	11	67	0	00	29.35	30.19	24	CLR	NC			10.00	31	19	27	61	8	25	29.23	30.05		

ROCKFORD, IL

JANUARY 2002

RFD

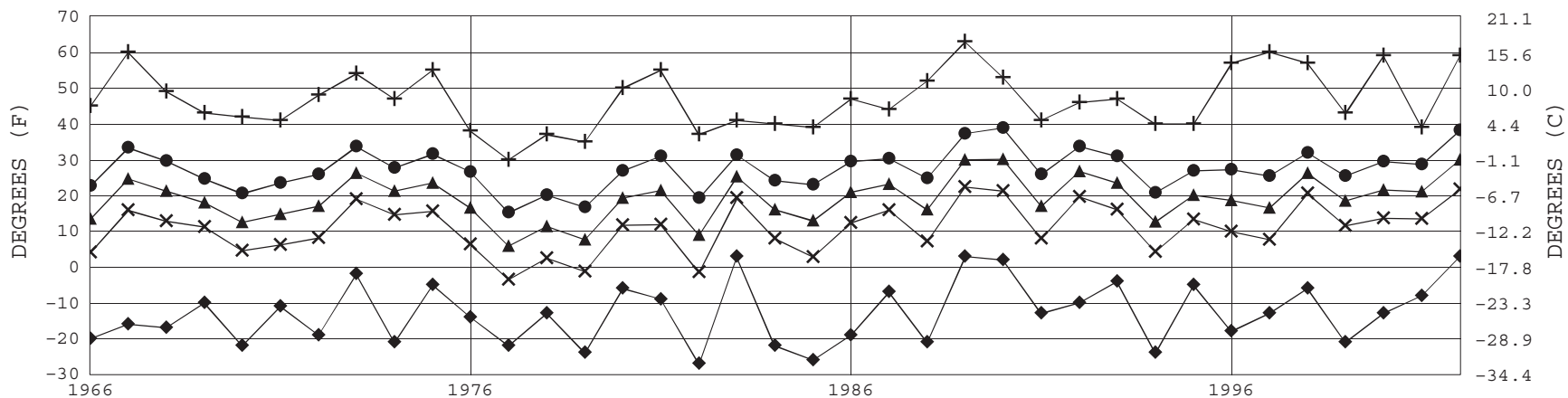
WBAN # 94822

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 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
03	CLR	NC			10.00		27	18	24	69	6	21	29.25	30.07	03	OVC	006			1.00	-SN BR	30	29	30	96	14	05	29.31	30.14
06	CLR	NC			10.00		26	18	23	71	8	20	29.27	30.10	06	OVC	012			9.00	-SN BLSN	31	28	30	89	21	05	29.14	29.97
09	CLR	NC			10.00		30	21	27	69	12	20	29.27	30.09	09	OVC	013			8.00		31	28	30	89	16	03	29.24	30.06
12	SCT	NC			10.00		46	22	37	38	22	23	29.23	30.04	12	OVC	009			8.00		32	29	31	88	17	06	29.18	30.01
15	FEW	NC			10.00		50	21	39	32	20	22	29.16	29.98	15	OVC	007			7.00	-SN	32	30	31	92	13	06	29.12	29.95
18	FEW	NC			10.00		43	22	35	43	16	20	29.16	29.98	18	OVC	005			5.00	DZ BR	33	31	32	92	13	08	29.06	29.87
21	CLR	NC			10.00		41	21	34	45	17	17	29.18	30.00	21	OVC	005			2.50	-RA BR	33	31	32	92	6	03	28.95	29.76
24	CLR	NC			10.00		39	22	33	50	13	21	29.20	30.01	24	OVC	006			3.00	-DZ BR	33	31	32	92	8	36	28.90	29.71
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)																			
Station							Sea Level																						
01			27	21	25	77	29.18	30.00	9.02	9	4	25																	
02			27	20	25	76	29.18	30.00	9.07	8	2	23																	
03			27	20	25	77	29.19	30.01	8.97	8	2	23																	
04			26	20	24	79	29.18	30.00	8.79	7	2	24																	
05			25	20	24	79	29.18	30.00	8.90	7	3	23																	
06			25	20	23	81	29.18	30.00	8.77	7	2	23																	
07			25	19	23	81	29.19	30.01	8.65	8	2	23																	
08			25	20	23	81	29.19	30.02	8.15	8	2	23																	
09			27	21	25	77	29.21	30.03	8.54	9	3	25																	
10			30	22	27	73	29.21	30.04	8.59	11	4	26																	
11			32	23	29	68	29.21	30.03	8.56	11	4	26																	
12			34	23	30	65	29.18	30.00	8.90	11	5	25																	
13			36	23	31	62	29.16	29.98	8.96	12	5	26																	
14			37	23	32	60	29.15	29.97	9.02	12	5	25																	
15			37	23	32	60	29.15	29.97	8.89	12	5	24																	
16			36	23	31	62	29.16	29.98	9.26	12	4	24																	
17			34	23	30	66	29.16	29.98	8.90	11	4	23																	
18			32	23	29	70	29.17	29.99	9.19	10	3	22																	
19			31	23	28	73	29.17	29.99	9.02	10	4	21																	
20			30	23	28	74	29.17	29.99	8.78	10	4	21																	
21			30	23	27	75	29.17	30.00	8.66	10	3	22																	
22			30	22	27	75	29.17	29.99	8.81	10	4	24																	
23			29	23	27	76	29.17	29.99	8.71	9	4	25																	
24			29	22	27	77	29.17	29.99	8.56	9	4	25																	

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			27	21	25	77	29.18	30.00	9.02	9	4	25
02			27	20	25	76	29.18	30.00	9.07	8	2	23
03			27	20	25	77	29.19	30.01	8.97	8	2	23
04			26	20	24	79	29.18	30.00	8.79	7	2	24
05			25	20	24	79	29.18	30.00	8.90	7	3	23
06			25	20	23	81	29.18	30.00	8.77	7	2	23
07			25	19	23	81	29.19	30.01	8.65	8	2	23
08			25	20	23	81	29.19	30.02	8.15	8	2	23
09			27	21	25	77	29.21	30.03	8.54	9	3	25
10			30	22	27	73	29.21	30.04	8.59	11	4	26
11			32	23	29	68	29.21	30.03	8.56	11	4	26
12			34	23	30	65	29.18	30.00	8.90	11	5	25
13			36	23	31	62	29.16	29.98	8.96	12	5	26
14			37	23	32	60	29.15	29.97	9.02	12	5	25
15			37	23	32	60	29.15	29.97	8.89	12	5	24
16			36	23	31	62	29.16	29.98	9.26	12	4	24
17			34	23	30	66	29.16	29.98	8.90	11	4	23
18			32	23	29	70	29.17	29.99	9.19	10	3	22
19			31	23	28	73	29.17	29.99	9.02	10	4	21
20			30	23	28	74	29.17	29.99	8.78	10	4	21
21			30	23	27	75	29.17	30.00	8.66	10	3	22
22			30	22	27	75	29.17	29.99	8.81	10	4	24
23			29	23	27	76	29.17	29.99	8.71	9	4	25
24			29	22	27	77	29.17	29.99	8.56	9	4	25

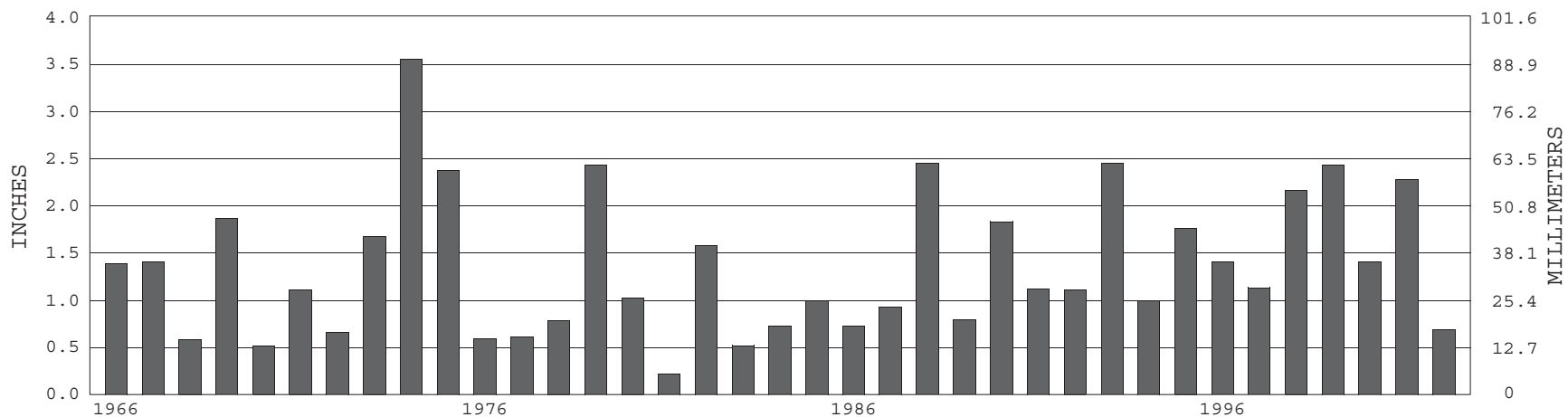
ROCKFORD, IL JANUARY TEMPERATURES



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

Long-Term (1966-2002) Mean: 19.2 1961-1990 Normal: 19.0

ROCKFORD, IL JANUARY PRECIPITATION



Long-Term (1966-2002) Mean Monthly Total: 1.36

1961-1990 Normal: 1.41



JANUARY 2002

ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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