



APRIL 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	35	21	28*	-15	26	29	37	0	RA SN FZFG BR			1.1	0.14	29.17	29.98	3.5	11	8.1	23	08	18	08	01					
02	40	32	36	-7	31	34	29	0	RA SN PL BR HZ			T	T	29.07	29.88	8.7	33	12.5	29	30	24	30	02					
03	39	30	35	-8	25	30	30	0	SN BR			0.2	0.02	29.50	30.32	9.8	30	10.3	24	28	18	29	03					
04	36	24	30	-13	19	27	35	0	SN			T	T	29.64	30.47	5.2	32	5.4	15	30	13	31	04					
05	44	20	32	-12	21	28	33	0				0.0	0.00	29.59	30.42	3.5	36	5.2	20	02	17	01	05					
06	47	20*	34	-10	20	30	31	0	BR			0.0	0.00	29.54	30.37	7.8	16	8.3	25	17	21	16	06					
07	47	35	41	-4	36	39	24	0	RA PL BR			T	0.83	29.19	30.00	14.1	18	14.4	26	19	23	18	07					
08	50	45	48	3	46	47	17	0	RA DZ FG+ BR			0.0	1.12	29.02	29.82	3.8	04	8.7	23	01	20	01	08					
09	52	37	45	0	37	41	20	0	RA			0.0	0.04	29.43	30.24	3.4	33	7.1	21	34	16	33	09					
10	64	34	49	3	39	44	16	0	BR HZ			0.0	0.00	29.52	30.33	13.7	17	13.9	31	18	25	18	10					
11	75	45	60	14	44	52	5	0				0.0	0.00	29.26	30.06	14.4	19	14.6	31	19	26	19	11					
12	62	43	53	6	48	50	12	0	RA BR			0.0	0.05	29.28	30.08	4.6	31	6.8	20	32	16	32	12					
13	66	35	51	4	43	47	14	0	FG+ BR			0.0	0.00	29.32	30.12	1.9	20	3.6	15	08	12	06	13					
14	77	43	60	13	50	55	5	0	BR HZ			0.0	0.00	28.99	29.78	10.9	20	11.3	36	22	26	20	14					
15	87	55	71	23	56	63	0	6				0.0	0.00	28.98	29.76	12.7	20	13.2	32	20	26	20	15					
16	86	62	74	26	59	65	0	9				0.0	0.00	29.05	29.83	17.4	19	17.8	38	19	32	19	16					
17	81	63	72	24	50	60	0	7	RA			0.0	T	29.19	29.97	5.6	23	10.2	24	24	18	24	17					
18	91*	62	77*	28	57	64	0	12	TS TSRA GR RA			T	0.36	29.05	29.83	12.0	21	15.2	47*	15	38*	31	18					
19	67	44	56	7	48	52	9	0	TS TSRA RA			0.0	0.21	29.22	30.02	9.6	03	11.7	26	05	22	06	19					
20	53	38	46	-4	29	38	19	0	RA			0.0	0.06	29.34	30.15	15.1	05	15.6	31	02	26	03	20					
21	43	35	39	-11	35	37	26	0	RA BR			0.0	0.31	29.13	29.94	13.2	07	14.5	31	06	24	06	21					
22	44	35	40	-10	31	35	25	0	RA DZ			0.0	0.01	29.31	30.12	6.4	33	8.9	22	34	20	34	22					
23	59	33	46	-4	38	43	19	0	BR HZ			0.0	0.00	29.33	30.14	11.8	15	11.9	28	17	20	16	23					
24	69	39	54	3	43	48	11	0	TSRA RA BR			0.0	0.21	29.10	29.90	7.8	23	15.9	36	30	29	30	24					
25	53	34	44	-8	25	37	21	0				0.0	0.00	29.35	30.16	15.7	28	16.4	40	29	32	29	25					
26	54	31	43	-9	23	35	22	0				0.0	0.00	29.49	30.31	1.9	04	6.0	18	05	14	12	26					
27	53	42	48	-5	34	41	17	0	TSRA RA DZ BR			0.0	0.47	29.10	29.91	14.0	11	15.0	35	09	26	09	27					
28	57	40	49	-4	38	42	16	0	RA DZ BR			0.0	0.02	28.95	29.75	9.8	30	13.6	35	27	28	31	28					
29	62	42	52	-1	36	44	13	0				0.0	0.00	29.15	29.95	9.8	25	10.4	28	27	22	26	29					
30	59	48	54	0	33	44	11	0				0.0	0.00	29.10	29.90	1.9	30	5.0	17	27	15	27	30					
58.4 38.9 48.7 ■■										< MONTHLY AVERAGES TOTALS->				1.3	3.85	29.25	30.05	2.3	21	11.1	<- MONTHLY AVERAGES							
- .7 2.1 0.8 ■■										<-----DEPARTURE FROM NORMAL----->										0.23	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.14 DATE :08-09				SEA LEVEL PRESSURE DATE TIME															
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 1.1 DATE :01				MAXIMUM : 30.50 04 0654															
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: DATE :				MINIMUM : 29.35 28 0354															
HEATING: 517 -2 5672 -1034									NUMBER OF DAYS WITH ➔		MAXIMUM TEMP ≥ 90: 1		MINIMUM TEMP ≤ 32 : 7		PRECIPITATION ≥ 0.01 INCH : 14													
COOLING: 34 27 34 26											MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 8													
											THUNDERSTORMS : 4		HEAVY FOG : 2		SNOWFALL ≥ 1.0 INCH : 1													

APRIL 2002
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

APRIL 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	0.01	0.05	0.02	0.04	0.03	T	T	T	0.01			T	01	0.16	0.14	
02						T	T		T				02						T						T	02		T	
03	T		T	T		0.02	T						03	T				T	T						T	03		0.02	
04		T										T	04		T											04		T	
05													05													05		0.00	
06													06													06	1.13	0.00	
07				0.02	T	0.01	0.06	0.05	0.06	0.07	0.08	0.11	07	0.02	0.05	0.05	0.02	0.02	0.05	0.03	0.06	0.03	0.03	0.01	T	07		0.83	
08	0.01	0.01		0.01	T	T	T	0.03	T	0.05	0.14	0.10	08	0.15	0.10	0.07	0.07	0.07	0.05	0.03	0.10	0.05	0.06	0.02	0.01	08		1.12	
09	0.03												09													09		0.04	
10													10													10		0.00	
11													11													11		0.00	
12				0.05	T								12													12		0.05	
13													13													13		0.00	
14													14													14		0.00	
15													15													15		0.00	
16													16													16		0.00	
17		T	T	T									17													17		T	
18													18					T	0.12	0.08			0.01	0.14	0.01	18		0.36	
19													19										T	0.15	0.06	19		0.21	
20	0.02												20											0.01	0.03	20		0.06	
21	0.01	0.01	0.04	0.04	0.02	0.02	T	T	0.03	0.04	T		21		0.06	0.02	T		0.01			T	0.01	T		21		0.31	
22	T	0.01	T	T	T								22													22		0.01	
23													23													23		0.00	
24													24	T	0.09	0.08	0.02	0.02	T							24		0.21	
25													25													25		0.00	
26													26													26		0.00	
27				T	0.01	0.01	T	T		T	T	0.07	27	0.08	0.08	0.12	0.01		T	0.04	0.03	0.01	T	0.03		27		0.47	
28													28													28		0.02	
29													29													29		0.00	
30													30													30		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)												
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
APRIL 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							.25	10.00	
02							2.00	10.00	
03							3.00	10.00	
04							9.00	10.00	
05							8.00	10.00	
06							3.00	10.00	
07							2.00	10.00	
08							.25	10.00	
09							7.00	10.00	
10							2.50	10.00	
11							8.00	10.00	
12							4.00	10.00	
13							.06	10.00	
14							3.00	10.00	
15							10.00	10.00	
16							7.00	10.00	
17							10.00	10.00	
18							1.50	10.00	
19							2.50	10.00	
20							9.00	10.00	
21							1.50	10.00	
22							7.00	10.00	
23							3.00	10.00	
24							2.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							1.75	10.00	
28							2.00	10.00	
29							10.00	10.00	
30							9.00	10.00	
MONTHLY AVGS							5.23	10.00	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:
SKY CONDITION
 CLR PTLY CLDY CLOUDY MISSING
 30
MINIMUM VISIBILITY (MILES)
 <=0.25 <=3.0 >=7.0
 3 15 14

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

APRIL 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: 0539					APR 01	SUNSET: 1821						SUNRISE: 0529					APR 07	SUNSET: 1828										
03	SCT	NC			10.00		26	19	24	75	7	30	29.23	30.05	03	OVC	075			10.00	37	22	32	54	16	18	29.25	30.07	
06	SCT	NC			10.00		22	19	21	89	3	15	29.24	30.07	06	OVC	050			10.00	-RA	36	28	33	73	16	18	29.24	30.0
09	OVC	200			10.00		33	20	29	59	6	24	29.26	30.09	09	OVC	016			3.00	-RA	37	31	35	79	15	18	29.22	30.04
12	OVC	044			10.00		35	23	31	61	8	19	29.22	30.04	12	OVC	055			4.00	-RA BR	40	37	39	89	16	19	29.19	30.00
15	OVC	007			0.75	-SN BR	32	30	31	92	9	11	29.12	29.95	15	OVC	035			3.00	-RA BR	42	40	41	92	13	18	29.14	29.96
18	OVC	065			6.00	BR	32	30	31	92	10	08	29.09	29.91	18	OVC	033			3.00	-RA BR	44	41	43	89	10	18	29.12	29.93
21	OVC	008			7.00		33	30	32	89	13	09	29.06	29.87	21	OVC	010			3.00	-RA BR	45	44	45	97	12	19	29.12	29.93
24	OVC	006			6.00	BR	34	31	33	89	15	10	28.98	29.79	24	OVC	009			2.00	-RA BR	46	45	46	96	14	21	29.11	29.91
	SUNRISE: 0537					APR 02	SUNSET: 1822						SUNRISE: 0527					APR 08	SUNSET: 1829										
03	OVC	004			4.00	BR	34	32	33	92	10	06	28.95	29.76	03	OVC	007			1.00	DZ BR	45	45	45	100	7	18	29.09	29.89
06	OVC	004			3.00	BR	35	33	34	93	10	36	28.98	29.78	06	OVC	003			0.25	DZ FG	46	45	46	96	6	15	29.07	29.87
09	OVC	006			6.00	BR	37	35	36	93	10	35	28.96	29.76	09	OVC	003			1.25	BR	47	46	46	97	7	13	29.05	29.85
12	OVC	010			7.00		39	35	37	86	15	30	29.02	29.83	12	OVC	005			2.50	RA BR	49	48	48	97	5	10	29.01	29.81
15	OVC	014			6.00	HZ	37	31	35	79	18	29	29.08	29.89	15	OVC	018			3.00	-RA BR	50	49	49	96	9	05	28.93	29.72
18	OVC	020			5.00	-SN	35	30	33	82	13	30	29.15	29.97	18	OVC	007			6.00	-RA BR	49	47	48	93	17	01	28.94	29.74
21	OVC	022			9.00		34	30	32	85	13	32	29.24	30.06	21	OVC	009			5.00	-RA BR	48	45	47	89	8	35	29.03	29.82
24	OVC	034			10.00	-SN	33	26	30	75	8	33	29.30	30.12	24	OVC	018			10.00	-RA	46	44	45	93	12	35	29.09	29.88
	SUNRISE: 0536					APR 03	SUNSET: 1823						SUNRISE: 0526					APR 09	SUNSET: 1830										
03	OVC	024			10.00		32	28	31	85	6	28	29.35	30.17	03	OVC	031			10.00		45	41	43	86	12	35	29.17	29.98
06	OVC	034			3.00	-SN BR	31	28	30	89	10	30	29.42	30.24	06	OVC	012			8.00		42	39	41	89	8	33	29.31	30.12
09	OVC	015			9.00		33	26	30	75	13	31	29.48	30.31	09	OVC	014			8.00		42	37	40	82	9	34	29.43	30.24
12	OVC	023			9.00	-SN	35	25	31	67	13	30	29.51	30.34	12	OVC	020			10.00		46	37	42	71	6	33	29.50	30.31
15	BKN	028			10.00		38	23	32	55	13	26	29.54	30.36	15	BKN	028			10.00		48	35	42	61	0	00	29.51	30.32
18	OVC	040			10.00		34	19	29	54	14	30	29.57	30.39	18	CLR	NC			10.00		50	36	44	59	3	16	29.53	30.35
21	OVC	049			10.00		31	21	28	67	7	32	29.60	30.43	21	CLR	NC			10.00		42	36	39	79	7	17	29.57	30.38
24	OVC	049			9.00	-SN	30	22	27	72	8	34	29.61	30.44	24	CLR	NC			10.00		38	35	37	89	6	17	29.59	30.41
	SUNRISE: 0534					APR 04	SUNSET: 1824						SUNRISE: 0524					APR 10	SUNSET: 1831										
03	OVC	047			10.00		29	21	26	72	7	34	29.62	30.45	03	CLR	NC			5.00	BR	34	33	34	97	6	14	29.60	30.43
06	OVC	049			10.00		28	20	25	72	5	34	29.65	30.49	06	FEW	NC			2.50	BR	36	35	36	97	6	18	29.61	30.43
09	SCT	NC			10.00		32	20	28	61	7	35	29.67	30.50	09	SCT	NC			3.00	HZ	50	43	47	77	18	16	29.59	30.41
12	OVC	036			10.00	-SN	34	18	29	52	8	33	29.66	30.50	12	SCT	NC			10.00		58	43	50	58	21	17	29.56	30.37
15	OVC	039			10.00		35	19	30	52	7	31	29.62	30.46	15	BKN	250			10.00		63	43	53	48	21	17	29.46	30.27
18	OVC	049			10.00		34	17	28	50	9	30	29.63	30.47	18	BKN	250			10.00		59	39	49	48	16	17	29.42	30.23
21	SCT	NC			10.00		30	17	26	59	0	00	29.63	30.46	21	CLR	NC			10.00		52	40	46	64	13	15	29.42	30.23
24	CLR	NC			10.00		25	19	23	78	0	00	29.62	30.46	24	CLR	NC			10.00		49	39	44	69	10	17	29.41	30.21
	SUNRISE: 0532					APR 05	SUNSET: 1825						SUNRISE: 0522					APR 11	SUNSET: 1832										
03	BKN	080			10.00		23	20	22	88	0	00	29.61	30.45	03	CLR	NC			10.00		45	39	42	80	7	19	29.37	30.17
06	OVC	110			8.00		21	18	20	88	0	00	29.62	30.45	06	SCT	NC			8.00		47	40	44	77	13	18	29.35	30.16
09	OVC	080			10.00		34	21	29	59	9	31	29.62	30.46	09	BKN	250			10.00		60	43	51	53	17	19	29.33	30.13
12	OVC	040			10.00		40	23	34	51	7	29	29.58	30.41	12	BKN	250			10.00		70	48	58	46	21	18	29.26	30.06
15	OVC	049			10.00		43	23	35	45	3	04	29.53	30.36	15	BKN	250			10.00		74	47	59	38	23	20	29.19	29.99
18	BKN	075			10.00		40	22	33	49	14	36	29.54	30.37	18	OVC	250			10.00		68	48	57	49	15	19	29.16	29.96
21	FEW	NC			10.00		32	20	28	61	9	03	29.57	30.41	21	BKN	250			10.00		62	44	53	52	14	19	29.16	29.96
24	CLR	NC			8.00		28	21	26	75	0	00	29.60	30.43	24	OVC	120			10.00		60	48	54	65	15	19	29.14	29.94
	SUNRISE: 0531					APR 06	SUNSET: 1826						SUNRISE: 0521					APR 12	SUNSET: 1833										
03	CLR	NC			7.00		26	21	24	81	0	00	29.61	30.44	03	OVC	060			10.00		58	49	53	72	6	24	29.17	29.96
06	CLR	NC			3.00	BR	22	20	21	92	0	00	29.65	30.49	06	OVC	008			6.00	BR	57	55	56	93	13	26	29.21	30.00
09	CLR	NC			10.00		36	19	30	50	3	VR	29.65	30.49	09	OVC	010			10.00		52	48	50	86	13	32	29.28	30.08
12	FEW	NC			10.00		43	17	34	35	9	19	29.62	30.45	12	OVC	014			10.00		54	47	50	77	10	34	29.32	30.12
15	BKN	250																											

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

APRIL 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: 0519 APR 13 SUNSET: 1834												SUNRISE: 0510 APR 19 SUNSET: 1841																	
03	BKN	001			0.50	FG	36	34	35	93	0	00	29.37	30.18	03	SCT	NC			10.00	62	55	58	78	3	VR	29.10	29.88	
06	VV	002			0.06	FG	38	38	38	100	3	04	29.38	30.19	06	OVC	180			10.00	57	50	53	78	14	35	29.18	29.98	
09	FEW	NC			5.00	BR	48	46	47	93	5	35	29.41	30.22	09	OVC	250			10.00	59	48	53	67	14	01	29.23	30.02	
12	SCT	NC			10.00		61	43	52	52	3	VR	29.34	30.14	12	BKN	130			10.00	62	49	55	62	16	02	29.25	30.05	
15	BKN	250			10.00		65	45	54	49	6	21	29.28	30.08	15	OVC	070			10.00	64	49	56	58	12	04	29.24	30.04	
18	OVC	250			10.00		63	43	53	48	3	24	29.25	30.05	18	BKN	032			10.00	57	46	51	67	17	07	29.26	30.06	
21	OVC	250			10.00		55	47	51	74	6	17	29.23	30.03	21	OVC	070			10.00	49	40	45	71	16	06	29.29	30.09	
24	SCT	NC			7.00		50	45	47	83	5	18	29.19	29.99	24	OVC	049		-RA	10.00	44	40	42	85	12	05	29.32	30.13	
SUNRISE: 0517 APR 14 SUNSET: 1835												SUNRISE: 0508 APR 20 SUNSET: 1842																	
03	OVC	120			4.00	BR	47	44	46	90	3	18	29.15	29.95	03	OVC	050			10.00	44	30	38	58	23	04	29.31	30.11	
06	CLR	NC			3.00	BR	45	43	44	93	5	16	29.12	29.91	06	BKN	070			10.00	40	28	35	63	18	04	29.37	30.18	
09	BKN	013			5.00	HZ	59	53	56	81	13	21	29.06	29.85	09	OVC	080			10.00	45	30	39	56	18	04	29.39	30.20	
12	SCT	NC			9.00		69	56	61	63	12	21	28.98	29.76	12	OVC	095			10.00	49	31	41	50	16	06	29.37	30.19	
15	BKN	250			10.00		76	47	60	36	22	19	28.88	29.67	15	SCT	NC			10.00	53	28	42	38	18	05	29.33	30.14	
18	BKN	085			10.00		74	52	61	46	17	21	28.86	29.65	18	BKN	090			10.00	46	23	37	40	16	07	29.32	30.13	
21	BKN	250			10.00		68	54	60	61	13	21	28.89	29.67	21	OVC	070			10.00	43	25	36	49	14	05	29.33	30.14	
24	SCT	NC			10.00		64	55	59	73	7	21	28.91	29.69	24	OVC	080			10.00	39	30	35	70	16	06	29.28	30.09	
SUNRISE: 0516 APR 15 SUNSET: 1837												SUNRISE: 0507 APR 21 SUNSET: 1843																	
03	OVC	180			10.00		60	54	57	80	0	00	28.92	29.70	03	OVC	055		-RA	9.00	37	31	35	79	18	07	29.22	30.03	
06	BKN	180			10.00		56	53	54	90	5	18	28.97	29.75	06	OVC	030		-RA BR	4.00	35	32	34	89	21	04	29.23	30.04	
09	SCT	NC			10.00		74	59	65	60	14	22	29.01	29.79	09	OVC	011		-RA BR	2.50	37	34	36	89	15	06	29.16	29.98	
12	SCT	NC			10.00		84	59	68	43	20	21	28.98	29.76	12	OVC	015			10.00	42	38	40	85	22	11	29.05	29.85	
15	SCT	NC			10.00		86	51	65	30	25	20	28.97	29.74	15	OVC	019		-RA BR	1.50	41	39	40	93	10	07	29.06	29.86	
18	SCT	NC			10.00		83	54	65	37	14	20	28.96	29.74	18	OVC	015			8.00	40	37	39	89	13	07	29.04	29.85	
21	CLR	NC			10.00		74	60	65	62	15	18	29.02	29.79	21	OVC	013		-RA BR	5.00	39	37	38	93	7	06	29.11	29.91	
24	CLR	NC			10.00		69	60	64	73	14	18	29.05	29.83	24	OVC	008			10.00	37	35	36	93	9	01	29.11	29.92	
SUNRISE: 0514 APR 16 SUNSET: 1838												SUNRISE: 0505 APR 22 SUNSET: 1844																	
03	CLR	NC			10.00		65	59	61	81	12	17	29.07	29.84	03	OVC	008			7.00	36	34	35	93	7	32	29.16	29.98	
06	FEW	NC			7.00		64	59	61	84	13	18	29.10	29.87	06	OVC	014			10.00	36	33	35	89	10	33	29.22	30.04	
09	FEW	NC			9.00		76	62	67	62	18	20	29.09	29.86	09	OVC	021			10.00	38	31	35	76	12	35	29.29	30.11	
12	FEW	NC			10.00		83	61	69	48	23	19	29.05	29.83	12	BKN	033			10.00	41	28	36	60	8	36	29.34	30.16	
15	BKN	250			10.00		85	57	67	39	20	19	29.00	29.78	15	OVC	038			10.00	41	27	35	57	10	27	29.35	30.16	
18	SCT	NC			10.00		82	53	65	37	17	19	29.00	29.78	18	OVC	046			10.00	41	28	36	60	6	31	29.37	30.18	
21	CLR	NC			10.00		75	60	66	60	20	19	29.04	29.81	21	OVC	046			10.00	39	30	35	70	3	12	29.40	30.22	
24	CLR	NC			10.00		72	58	63	61	13	21	29.08	29.85	24	CLR	NC			10.00	35	30	33	82	6	12	29.40	30.22	
SUNRISE: 0513 APR 17 SUNSET: 1839												SUNRISE: 0504 APR 23 SUNSET: 1846																	
03	OVC	100			10.00	-RA	68	60	63	76	14	20	29.11	29.88	03	CLR	NC			7.00	34	31	33	89	7	15	29.39	30.21	
06	BKN	075			10.00		67	58	62	73	10	21	29.15	29.93	06	SCT	NC		BR	3.00	34	32	33	92	8	14	29.40	30.22	
09	SCT	NC			10.00		72	61	65	69	14	24	29.19	29.98	09	BKN	046			8.00	42	34	39	73	15	15	29.40	30.22	
12	FEW	NC			10.00		78	54	64	43	8	26	29.21	29.99	12	SCT	NC			10.00	53	41	47	64	14	16	29.36	30.18	
15	CLR	NC			10.00		81	37	58	21	9	30	29.22	30.01	15	FEW	NC			10.00	59	44	51	58	14	16	29.29	30.10	
18	CLR	NC			10.00		74	41	56	31	8	34	29.21	30.00	18	CLR	NC			10.00	57	43	50	60	16	17	29.24	30.06	
21	CLR	NC			10.00		67	39	53	36	6	07	29.22	30.01	21	CLR	NC			10.00	51	42	47	71	12	15	29.25	30.06	
24	CLR	NC			10.00		67	40	53	37	8	14	29.21	30.00	24	CLR	NC			10.00	50	42	46	74	14	15	29.21	30.01	
SUNRISE: 0511 APR 18 SUNSET: 1840												SUNRISE: 0502 APR 24 SUNSET: 1847																	
03	CLR	NC			10.00		64	55	59	73	10	17	29.17	29.95	03	CLR	NC			10.00	48	42	45	80	14	17	29.14	29.94	
06	CLR	NC			10.00		65	60	62	84	9	17	29.16	29.95	06	CLR	NC			9.00	50	43	47	77	16	17	29.10	29.89	
09	BKN	250			10.00		75	63	67	66	16	21	29.11	29.89	09	FEW	NC			10.00	62	48	54	60	22	18	29.06	29.85	
12	BKN	250			10.00		86	58	68	39	28	20	29.03	29.80	12	OVC	039			10.00	66	53	59	63	16	20	29.00	29.79	
15	BKN	250			10.00		87	50	65	28	20	20	28.94	29.71	15	BKN	085			8.00	60	58	59	93	9	15	28.93	29.72	
18	OVC	080			10.00	TS	73	62	66	69	7	21	28.92	29.70	18	OVC	060			10.00	49	42	46	77	15	31	29.08	29.87	
21	BKN	250			10.00		76	58	65	54	16	23	28.96	29.74	21	CLR	NC			10.00	43	28	37	56	22	30	29.22	30.02	
24	BKN	090			10.00		65	54	59	68	5	23	29.04	29.81	24	CLR	NC			10.00	40	26	35	58	15	29	29.31	30.12	

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

APRIL 2002

RFD

WBAN # 94822

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES,HG)									
				OBSERVATION TIME (LST)	EFF CLD AMT Okta		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 Okta	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0501 APR 25 SUNSET: 1848																																			
03	SCT	NC			10.00		36	25	32	64	7	23	29.33	30.14																					
06	CLR	NC			10.00		38	24	33	57	13	24	29.30	30.11																					
09	CLR	NC			10.00		46	23	37	40	31	28	29.30	30.11																					
12	FEW	NC			10.00		49	25	39	39	20	27	29.34	30.15																					
15	FEW	NC			10.00		52	24	41	34	21	28	29.35	30.16																					
18	SCT	NC			10.00		50	23	39	35	18	29	29.35	30.16																					
21	SCT	NC			10.00		42	29	37	60	5	26	29.39	30.21																					
24	FEW	NC			10.00		39	25	34	57	8	31	29.45	30.27																					
SUNRISE: 0459 APR 26 SUNSET: 1849																																			
03	CLR	NC			10.00		34	24	30	67	6	30	29.47	30.28																					
06	SCT	NC			10.00		35	22	30	59	8	36	29.50	30.32																					
09	FEW	NC			10.00		40	20	33	45	7	03	29.55	30.37																					
12	CLR	NC			10.00		46	22	37	38	3	VR	29.55	30.36																					
15	CLR	NC			10.00		51	24	40	35	3	VR	29.49	30.30																					
18	FEW	NC			10.00		52	21	40	30	0	00	29.46	30.28																					
21	SCT	NC			10.00		46	25	38	44	7	10	29.47	30.29																					
24	OVC	120			10.00		43	27	37	53	10	11	29.46	30.27																					
SUNRISE: 0458 APR 27 SUNSET: 1850																																			
03	OVC	090			10.00		42	24	35	49	13	10	29.40	30.22																					
06	OVC	080			10.00		43	21	35	42	15	10	29.39	30.19																					
09	OVC	075			10.00		45	23	36	42	13	09	29.30	30.11																					
12	OVC	025			6.00	-RA	43	38	41	82	14	08	29.19	30.00																					
15	OVC	011			2.00	-RA BR	43	40	42	89	24	09	28.96	29.76																					
18	OVC	008			4.00	-RA BR	46	43	45	89	20	12	28.87	29.66																					
21	OVC	006			4.00	-DZ BR	48	45	47	89	16	13	28.76	29.56																					
24	OVC	004			4.00	BR	53	51	52	93	12	16	28.63	29.41																					
SUNRISE: 0456 APR 28 SUNSET: 1851																																			
03	OVC	022			10.00		53	47	50	80	18	23	28.58	29.36																					
06	OVC	006			2.00	DZ BR	48	45	47	89	18	25	28.62	29.41																					
09	OVC	011			10.00		40	36	38	86	24	32	28.86	29.66																					
12	OVC	017			10.00		41	34	38	76	13	33	29.02	29.81																					
15	OVC	021			10.00		42	34	39	73	15	32	29.12	29.92																					
18	OVC	037			10.00		44	35	40	71	9	34	29.15	29.96																					
21	OVC	035			10.00		42	36	39	79	0	00	29.21	30.02																					
24	OVC	037			10.00		42	36	39	79	0	00	29.22	30.03																					
SUNRISE: 0455 APR 29 SUNSET: 1852																																			
03	OVC	034			10.00		42	36	39	79	6	26	29.21	30.02																					
06	OVC	037			10.00		42	35	39	76	8	25	29.21	30.03																					
09	OVC	024			10.00		47	38	43	71	12	25	29.18	29.99																					
12	OVC	036			10.00		54	40	47	59	16	24	29.16	29.96																					
15	FEW	NC			10.00		61	36	49	39	15	27	29.12	29.92																					
18	CLR	NC			10.00		60	34	48	38	12	26	29.09	29.89																					
21	CLR	NC			10.00		52	33	43	49	6	22	29.09	29.89																					
24	SCT	NC			10.00		52	37	45	57	13	24	29.07	29.86																					
SUNRISE: 0454 APR 30 SUNSET: 1853																																			
03	OVC	090			10.00		50	36	44	59	7	28	29.11	29.90																					
06	OVC	065			10.00		49	33	42	55	10	01	29.13	29.93																					
09	OVC	150			10.00		51	25	40	36	9	36	29.16	29.96																					
12	OVC	150			10.00		54	27	42	35	3	23	29.13	29.93																					
15	OVC	200			10.00		57	29	45	34	3	14	29.08	29.87																					
18	BKN	140			10.00		55	34	45	45	7	17	29.05	29.84																					
21	FEW	NC			10.00		50	40	45	68	5	19	29.09	29.88																					
24	OVC	100			10.00		50	40	45	68	3	21	29.05	29.85																					

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES,HG)											
								OBSERVATION TIME (LST)	EFF CLD AMT Okta	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 Okta	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: APR 31 SUNSET:																																						

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.

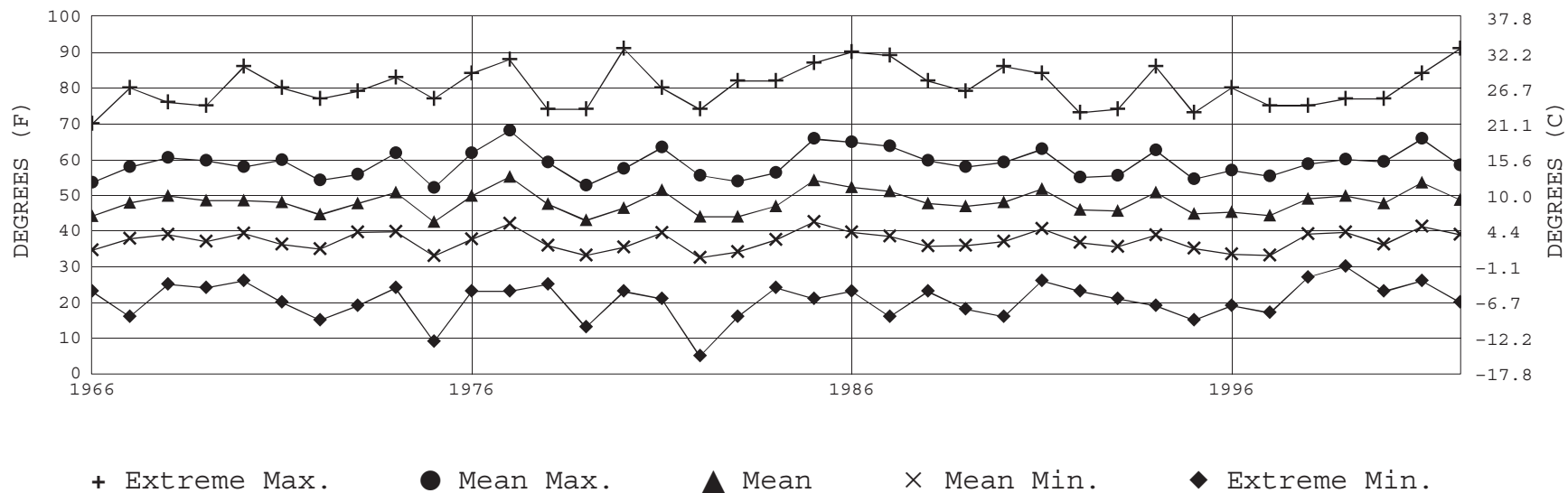
SUMMARY BY HOUR

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			44	37	41	77	29.24	30.05	8.78	8	2	18
02			44	37	41	77	29.24	30.04	8.67	8	1	19
03			43	36	40	78	29.24	30.05	8.48	8	2	18
04			42	36	40	82	29.24	30.05	8.07	8	2	21
05			42	36	40	82	29.25	30.05	7.79	9	1	22
06			42	36	40	81	29.26	30.07	6.99	10	1	21
07			44	37	41	78	29.28	30.08	7.41	10	1	24
08			46	36	42	69	29.28	30.08	7.99	12	2	26
09			48	37	43	68	29.28	30.08	8.32	13	3	26
10			50	38	45	64	29.28	30.08	8.72	12	3	23
11			52	38	46	62	29.27	30.08	9.32	13	4	21
12			53	39	46	60	29.26	30.06	9.25	13	4	21
13			55	39	47	58	29.25	30.05	8.90	13	4	22
14			55	38	47	57	29.23	30.04	8.38	14	5	22
15			56	37	47	56	29.22	30.02	8.47	13	4	20
16			55	37	46	55	29.22	30.02	8.57	14	4	21
17			55	36	46	55	29.22	30.02	9.02	13	3	22
18			53	37	45	58	29.21	30.02	9.07	12	2	21
19			51	37	44	62	29.22	30.02	8.95	11	2	17
20			50	37	44	64	29.23	30.04	9.05	11	2	17
21			48	37	43	68	29.24	30.04	9.03	10	3	16
22			47	37	43	70	29.24	30.05	9.23	10	2	15
23			46	37	42	72	29.24	30.05	8.82	10	2	18
24			46	38	42	74	29.24	30.04	9.00	9	3	17

SUMMARY BY HOUR

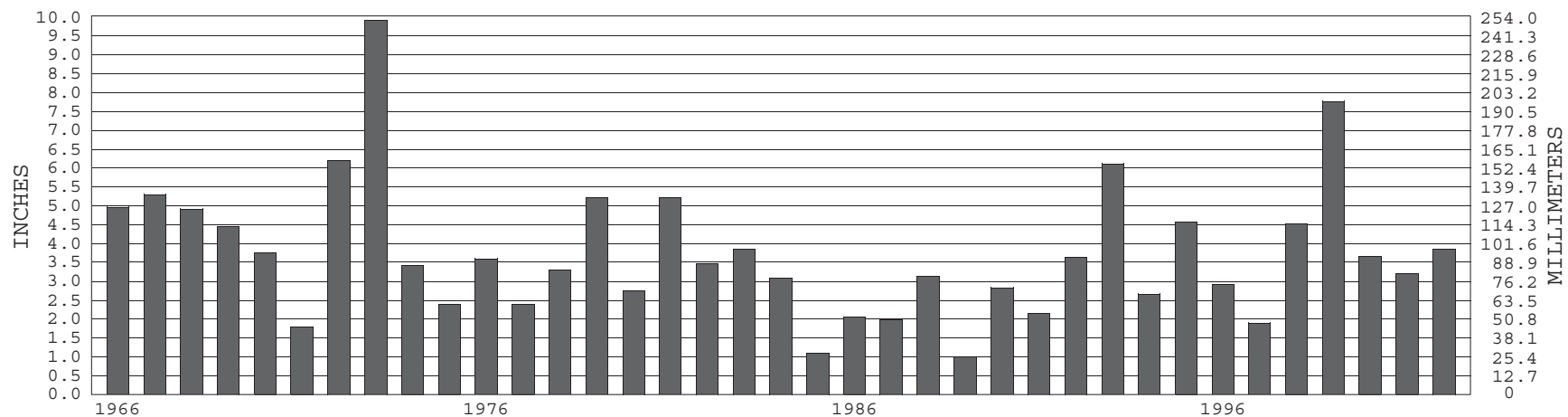
HOUR (LST)	AVERAGES										RESULTANT WIND	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND (MPH)	
							STATION	SEA LEVEL			SPEED	DIRECTION
01			44	37	41	77	29.24	30.05	8.78	8	2	18
02			44	37	41	77	29.24	30.04	8.67	8	1	19
03			43	36	40	78	29.24	30.05	8.48	8	2	18
04			42	36	40	82	29.24	30.05	8.07	8	2	21
05			42	36	40	82	29.25	30.05	7.79	9	1	22
06			42	36	40	81	29.26	30.07	6.99	10	1	21
07			44	37	41	78	29.28	30.08	7.41	10	1	24
08			46	36	42	69	29.28	30.08	7.99	12	2	26
09			48	37	43	68	29.28	30.08	8.32	13	3	26
10			50	38	45	64	29.28	30.08	8.72	12	3	23
11			52	38	46	62	29.27	30.08	9.32	13	4	21
12			53	39	46	60	29.26	30.06	9.25	13	4	21
13			55	39	47	58	29.25	30.05	8.90	13	4	22
14			55	38	47	57	29.23	30.04	8.38	14	5	22
15			56	37	47	56	29.22	30.02	8.47	13	4	20
16			55	37	46	55	29.22	30.02	8.57	14	4	21
17			55	36	46	55	29.22	30.02	9.02	13	3	22
18			53	37	45	58	29.21	30.02	9.07	12	2	21
19			51	37	44	62	29.22	30.02	8.95	11	2	17
20			50	37	44	64	29.23	30.04	9.05	11	2	17
21			48	37	43	68	29.24	30.04	9.03	10	3	16
22			47	37	43	70	29.24	30.05	9.23	10	2	15
23			46	37	42	72	29.24	30.05	8.82	10	2	18
24			46	38	42	74	29.24	30.04	9.00	9	3	17

ROCKFORD, IL APRIL TEMPERATURES



Long-Term (1966-2002) Mean: 48.0 1961-1990 Normal: 47.9

ROCKFORD, IL APRIL PRECIPITATION



Long-Term (1966-2002) Mean Monthly Total: 3.76

1961-1990 Normal: 3.62



APRIL 2002

ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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