



MAY 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		0600 LST	1200 LST	2400 LST	2400 LST	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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25															
01	57	50	54	0	48	50	11	0	TS TSRA DZ BR HZ			0.0	0.31	29.05	29.84	8.7	04	10.5	22	04	18	03	01	01															
02	62	38	50	-4	27	40	15	0				0.0	0.00	29.28	30.08	11.6	04	12.2	26	02	23	03	02	02															
03	63	35*	49	-5	28	40	16	0				0.0	0.00	29.36	30.17	5.8	06	8.0	17	06	14	11	03	03															
04	56	40	48*	-7	37	44	17	0	TS TSRA RA BR			0.0	1.41	29.09	29.89	15.3	12	16.0	40	15	26	11	04	04															
05	62	51	57	1	51	53	8	0	BR HZ			0.0	0.00	28.73	29.51	7.8	23	12.6	29	24	23	26	05	05															
06	71	46	59	3	48	53	6	0				0.0	0.00	29.05	29.84	3.8	33	8.2	24	07	20	07	06	06															
07	54	50	52	-4	46	49	13	0	RA DZ BR HZ			0.0	0.02	29.11	29.90	10.7	03	12.2	25	10	21	02	07	07															
08	60	49	55	-2	48	51	10	0	TSRA RA BR			0.0	0.42	29.16	29.96	6.1	07	8.5	31	09	23	10	08	08															
09	80*	54	67	10	57	60	0	2	TSRA RA BR HZ			0.0	0.14	28.92	29.70	3.8	18	11.2	31	10	25	12	09	09															
10	76	53	65	7	57	60	0	0	TS RA			0.0	0.04	28.81	29.59	7.2	15	11.5	41	19	35	19	10	10															
11	66	46	56	-2	43	46	9	0	RA DZ BR			0.0	0.12	28.69	29.47	24.0	26	25.4	52*	24	38*	26	11	11															
12	68	48	58	0	38	48	7	0				0.0	0.00	29.11	29.91	16.5	30	16.6	36	29	29	31	12	12															
13	73	48	61	2	37	50	4	0				0.0	0.00	29.21	30.01	5.1	31	7.7	23	29	17	29	13	13															
14	58	46	52	-7	46	49	13	0	TS TSRA RA BR			0.0	1.13	29.10	29.89	7.0	09	9.4	25	07	22	06	14	14															
15	63	44	54	-5	46	49	11	0	BR			0.0	0.00	29.17	29.97	8.5	06	8.8	26	06	21	06	15	15															
16	69	42	56	-4	46	51	9	0	BR HZ			0.0	0.00	29.25	30.05	5.0	06	6.5	20	04	16	03	16	16															
17	72	47	60	0	51	55	5	0	BR HZ			0.0	0.00	29.29	30.09	10.5	06	10.9	24	06	18	06	17	17															
18	74	50	62	1	55	59	3	0	BR HZ			0.0	0.00	29.27	30.06	9.5	08	10.2	23	08	18	07	18	18															
19	72	61	67*	6	63	64	0	2	TS TSRA RA BR HZ			0.0	0.28	29.23	30.02	6.6	15	8.1	23	26	18	25	19	19															
20	65	47	56	-5	42	49	9	0	RA BR			0.0	0.01	29.45	30.25	13.2	34	14.8	31	33	25	34	20	20															
21	61	42	52	-9	35	44	13	0				0.0	0.00	29.55	30.36	8.9	07	9.1	22	05	17	05	21	21															
22	67	40	54	-8	36	46	11	0	RA			0.0	T	29.43	30.24	3.7	07	5.6	15	05	12	08	22	22															
23	66	46	56	-6	43	49	9	0	RA BR			0.0	0.22	29.36	30.16	3.5	32	5.5	17	30	15	30	23	23															
24	73	42	58	-5	39	49	7	0				0.0	0.00	29.23	30.02	6.4	36	8.1	23	03	17	07	24	24															
25	74	50	62	-1	42	52	3	0				0.0	0.00	29.23	30.02	6.8	02	8.6	24	02	18	04	25	25															
26	76	46	61	-2	44	52	4	0	BCFG			0.0	0.00	29.32	30.11	5.2	01	5.9	23	01	18	01	26	26															
27	78	48	63	-1	47	55	2	0				0.0	0.00	29.33	30.12	2.4	34	4.1	15	33	13	33	27	27															
28	77	53	65	1	49	55	0	0	TS TSRA RA			0.0	0.03	29.07	29.85	5.7	35	9.5	32	01	24	01	28	28															
29	72	50	61	-3	47	53	4	0				0.0	0.00	29.05	29.84	7.3	34	8.7	26	01	22	02	29	29															
30	75	45	60	-4	52	56	5	0	RA			0.0	0.06	28.81	29.59	6.0	22	11.4	33	01	29	01	30	30															
31	62	42	52	-13	45	50	13	0	RA DZ BR			0.0	0.01	29.10	29.89	12.9	01	14.1	35	02	30	02	31	31															
< MONTHLY AVERAGES										TOTALS-->				<- MONTHLY AVERAGES																									
DEPARTURE FROM NORMAL										0.17				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																									
DEGREE DAYS MONTHLY TOTAL DEPARTURE HEATING: 237 COOLING: 4										SEASON TO DATE TOTAL DEPARTURE 6865 11										GREATEST 24-HR PRECIPITATION: 1.41 DATE :04 GREATEST 24-HR SNOWFALL: 0.0 DATE : GREATEST SNOW DEPTH: DATE :										SEA LEVEL PRESSURE MAXIMUM : 30.46 DATE : 21 0654 MINIMUM : 29.31 DATE : 10 2354									
NUMBER OF DAYS WITH										MAXIMUM TEMP ≥ 90: 0 MAXIMUM TEMP ≤ 32 : 0 THUNDERSTORMS : 8										MINIMUM TEMP ≤ 32 : 0 MINIMUM TEMP ≤ 0 : 0 HEAVY FOG : 0										PRECIPITATION ≥ 0.01 INCH : 14 PRECIPITATION ≥ 0.10 INCH : 8 SNOWFALL ≥ 1.0 INCH : 0									

MAY 2003
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

MAY 2003

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	0.09	0.03			T	T	0.01	T	0.01	T	T	0.18	01												01	0.32	0.31		
02													02												02		0.00		
03													03												03		0.00		
04													04	T	T	T	T	0.06	0.16	0.33	0.23	0.19		0.01	04	0.98	1.41		
05													05												05		0.00		
06													06												06		0.00		
07													07	T							T	T	T		07		0.02		
08													08								T	T	0.09	0.20	0.13	08		0.42	
09	0.12	0.01	0.01	T									09												09		0.14		
10													10							T		0.04			10		0.04		
11					T	T					T	0.01	11	0.04	0.04	0.02	T	T	T					11		0.12			
12													12												12		0.00		
13													13												13		0.00		
14					0.05	0.03	0.08	0.06	0.04	T		0.03	14	0.17	0.02	0.04	0.57	0.04							14		1.13		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.00		
19													19	T	T	0.01						0.10	0.17	T	19		0.28		
20			0.01	T	T								20												20		0.01		
21													21												21		0.00		
22													22											T	22		T		
23	0.05	0.09	0.03	0.03	0.02	T					T		23												23		0.22		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27		0.00		
28											T	T	28	T	T	T	0.02	0.01	T					28		0.03			
29													29												29		0.00		
30	T										T	0.01	30												30		0.06		
31		0.01		T	T	T					T		31											T	31		0.01		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.17	.22	.27	.33	.39	.54	.58	.60	.62	.62	.65	.65
Ending Date	14	14	14	14	14	14	14	14	14	14	04	04
Ending Time (Hour/Min)	1525	1527	1535	1538	1544	1540	1544	1612	1612	1612	2056	2056

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 MAY 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							1.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							2.00	10.00	
05							3.00	10.00	
06							7.00	10.00	
07							5.00	10.00	
08							2.00	10.00	
09							3.00	10.00	
10							9.00	10.00	
11							5.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							1.00	10.00	
15							4.00	10.00	
16							4.00	10.00	
17							1.50	10.00	
18							4.00	10.00	
19							2.00	7.00	
20							2.50	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							6.00	10.00	
24							8.00	10.00	
25							10.00	10.00	
26							9.00	10.00	
27							9.00	10.00	
28							7.00	10.00	
29							10.00	10.00	
30							7.00	10.00	
31							4.00	10.00	
MONTHLY AVGS							6.27	9.90	
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 8 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MAY 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		RELATIVE HUMIDITY (PCT)	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	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL								
SUNRISE: 0453						MAY 01						SUNSET: 1854						SUNRISE: 0445						MAY 07						SUNSET: 1901					
03	BKN	022		5.00	BR	53	52	52	96	7	17	28.92	29.71	03	OVC	070		10.00		51	43	47	74	10	06	29.08	29.87								
06	OVC	003		1.00	DZ BR	50	49	49	96	10	01	28.99	29.78	06	OVC	039		10.00		52	43	48	72	12	08	29.11	29.90								
09	OVC	007		2.00	-DZ BR	50	49	49	96	10	04	29.04	29.84	09	OVC	031		10.00		53	45	49	74	10	04	29.08	29.88								
12	OVC	009		4.00	TS BR	51	49	50	92	8	06	29.06	29.85	12	OVC	021		5.00	BR	52	49	50	89	10	04	29.08	29.88								
15	OVC	014		6.00	BR	53	49	51	86	14	03	29.08	29.87	15	OVC	010		10.00		51	46	49	83	20	02	29.09	29.89								
18	OVC	040		10.00		57	49	53	75	14	04	29.09	29.88	18	OVC	010		10.00		51	47	49	86	15	01	29.12	29.92								
21	OVC	075		10.00		53	44	49	72	5	06	29.13	29.93	21	OVC	008		6.00	-DZ BR	50	48	49	93	10	36	29.17	29.97								
24	OVC	080		10.00		51	34	43	52	17	04	29.17	29.97	24	OVC	008		8.00		50	47	48	89	8	33	29.17	29.97								
SUNRISE: 0451						MAY 02						SUNSET: 1855						SUNRISE: 0444						MAY 08						SUNSET: 1902					
03	OVC	027		10.00		46	29	39	51	14	03	29.20	30.00	03	OVC	012		6.00	BR	49	46	47	90	5	35	29.19	30.00								
06	SCT	NC		10.00		43	21	35	42	16	02	29.23	30.04	06	OVC	024		4.00	BR	50	47	48	89	6	33	29.22	30.02								
09	SCT	NC		10.00		51	26	41	38	14	03	29.28	30.09	09	OVC	018		10.00		54	46	50	75	0	00	29.24	30.04								
12	FEW	NC		10.00		58	31	46	36	13	02	29.29	30.09	12	OVC	027		10.00		58	47	52	67	8	07	29.20	30.00								
15	FEW	NC		10.00		61	35	49	38	13	02	29.27	30.08	15	OVC	025		9.00		58	49	53	72	9	13	29.20	30.00								
18	CLR	NC		10.00		57	29	45	34	12	07	29.28	30.09	18	OVC	250		10.00		56	48	52	75	12	10	29.11	29.91								
21	CLR	NC		10.00		45	20	36	37	9	07	29.33	30.14	21	OVC	110		7.00	-TSRA	51	47	49	86	15	10	29.08	29.87								
24	CLR	NC		10.00		38	19	31	47	8	02	29.35	30.16	24	OVC	033		3.00	-TSRA BR	54	52	53	93	18	08	28.91	29.70								
SUNRISE: 0450						MAY 03						SUNSET: 1856						SUNRISE: 0442						MAY 09						SUNSET: 1903					
03	BKN	180		10.00		38	21	32	51	9	02	29.36	30.16	03	OVC	009		6.00	BR	56	54	55	93	13	10	28.93	29.72								
06	FEW	NC		10.00		38	25	33	60	9	01	29.39	30.20	06	OVC	007		3.00	BR	57	54	55	90	12	11	28.89	29.68								
09	CLR	NC		10.00		52	31	43	45	6	VR	29.40	30.21	09	OVC	007		5.00	BR	63	60	61	90	9	17	28.90	29.69								
12	CLR	NC		10.00		58	34	47	41	10	05	29.39	30.20	12	SCT	NC		7.00		77	62	67	60	15	23	28.89	29.67								
15	CLR	NC		10.00		62	32	48	32	8	05	29.33	30.14	15	CLR	NC		10.00		80	54	64	41	17	25	28.92	29.70								
18	FEW	NC		10.00		59	32	47	36	8	10	29.31	30.12	18	CLR	NC		10.00		74	55	63	52	8	28	28.92	29.70								
21	CLR	NC		10.00		49	25	39	39	13	11	29.34	30.14	21	SCT	NC		10.00		64	56	59	75	5	02	28.94	29.72								
24	CLR	NC		10.00		42	20	34	41	3	VR	29.35	30.16	24	OVC	075		10.00		61	56	58	84	10	17	29.01	29.79								
SUNRISE: 0449						MAY 04						SUNSET: 1858						SUNRISE: 0441						MAY 10						SUNSET: 1904					
03	CLR	NC		10.00		40	22	33	49	8	10	29.31	30.11	03	BKN	180		10.00		56	53	54	90	3	12	28.94	29.72								
06	OVC	180		10.00		44	31	39	60	9	13	29.23	30.04	06	OVC	150		10.00		57	51	54	81	6	05	28.95	29.73								
09	OVC	130		9.00		51	37	45	59	17	14	29.20	30.00	09	OVC	065		10.00		59	50	54	72	6	11	28.94	29.72								
12	OVC	130		10.00		54	39	47	57	16	14	29.16	29.96	12	SCT	NC		10.00		69	58	62	68	12	11	28.86	29.64								
15	OVC	130		10.00		54	38	46	55	18	12	29.04	29.84	15	BKN	055		10.00		73	62	66	69	16	17	28.80	29.59								
18	OVC	033		3.00	RA BR	49	44	47	83	16	11	28.92	29.72	18	OVC	044		10.00		73	62	66	69	13	16	28.73	29.51								
21	OVC	030		3.00	+TSRA BR	49	47	48	93	14	09	28.86	29.66	21	OVC	110		10.00	TS	70	66	67	87	20	18	28.58	29.35								
24	OVC	009		8.00		51	49	50	92	15	12	28.75	29.54	24	BKN	027		10.00		65	62	63	90	14	21	28.54	29.31								
SUNRISE: 0447						MAY 05						SUNSET: 1859						SUNRISE: 0440						MAY 11						SUNSET: 1905					
03	OVC	009		10.00		52	50	51	93	15	11	28.62	29.40	03	OVC	020		10.00		50	43	47	77	22	24	28.61	29.38								
06	OVC	005		3.00	BR	54	52	53	93	8	16	28.61	29.39	06	OVC	022		10.00		48	39	44	71	23	25	28.60	29.37								
09	OVC	011		5.00	BR	56	53	54	90	10	23	28.62	29.40	09	OVC	017		5.00	-RA	46	42	44	86	26	25	28.59	29.37								
12	OVC	020		7.00		59	52	55	78	18	23	28.69	29.47	12	OVC	021		10.00	-RA	48	43	46	83	30	26	28.61	29.39								
15	OVC	027		10.00		59	51	55	75	16	26	28.75	29.54	15	OVC	019		10.00	-RA	49	45	47	86	30	26	28.68	29.47								
18	OVC	037		10.00		59	49	54	69	14	28	28.80	29.59	18	OVC	025		10.00		50	43	47	77	26	27	28.76	29.56								
21	OVC	035		10.00		56	48	52	75	7	27	28.85	29.64	21	OVC	025		10.00		51	44	48	77	25	29	28.85	29.64								
24	OVC	035		10.00		55	48	51	77	8	26	28.91	29.70	24	OVC	038		10.00		51	41	46	69	20	30	28.91	29.71								
SUNRISE: 0446						MAY 06						SUNSET: 1860						SUNRISE: 0439						MAY 12						SUNSET: 1906					
03	CLR	NC		10.00		49	46	47	90	6	25	28.95	29.74	03	OVC	044		10.00		50	41	46	71	17	29	28.97	29.77								
06	FEW	NC		8.00		50	47	48	89	7	30	29.00	29.79	06	SCT	NC		10.00		50	41	46	71	15	29	29.05	29.85								
09	FEW	NC		10.00		61	48	54	63	10	29	29.05	29.84	09	SCT	NC		10.00		57	40	49	53	22	30	29.11	29.90								
12	FEW	NC		10.00		65	49	56	56	9	31	29.08	29.87	12	SCT	NC		10.00		63	36	50	37	20	31	29.13	29.93								
15	SCT	NC		10.00		68	49	57	51	6	29	29.08	29.87	15	FEW	NC		10.00		66	33	50	29	24	30	29.13	29.93								
18	OVC	250		10.00		68	49	57	51	3	32	29.09	29.88	18	FEW	NC		10.00		63	34	49	34	15	30	29.16	29.96								
21	OVC	200		10.00		59	49	54	69	13	08	29.12	29.91	21	FEW	NC		10.00		53	38	46	57	8	30	29.21	30.01								
24	OVC	110		9.00		53	45	49	74	10	08	29.11	29.90	24	CLR	NC		10.00		52	37	45	57	12	30	29.22	30.01								

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MAY 2003

RFD

WBAN # 94822

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
			OBSERVATION TIME (LST)	EFF CLD AMT OKtas			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			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0438						MAY 13	SUNSET: 1907						SUNRISE: 0432						MAY 19	SUNSET: 1913									
03	CLR	NC			10.00		50	37	44	61	10	29	29.22	30.02	03	OVC	065			5.00	BR	61	57	59	87	6	11	29.23	30.02
06	CLR	NC			10.00		51	38	45	61	9	30	29.26	30.06	06	OVC	009			3.00	BR	63	59	61	87	7	13	29.25	30.04
09	FEW	NC			10.00		64	40	52	41	10	31	29.25	30.05	09	OVC	011			5.00	HZ	67	62	64	84	10	14	29.25	30.04
12	FEW	NC			10.00		71	36	53	28	14	30	29.24	30.03	12	OVC	009			6.00	BR	67	63	64	87	8	16	29.27	30.06
15	FEW	NC			10.00		72	36	54	27	8	30	29.18	29.98	15	OVC	007			2.50	BR	68	66	67	93	9	14	29.20	30.00
18	FEW	NC			10.00		70	34	52	27	0	00	29.15	29.95	18	BKN	250			5.00	HZ	71	66	68	84	9	16	29.20	29.99
21	OVC	090			10.00		62	45	53	54	0	00	29.17	29.97	21	BKN	060			6.00	TS BR	69	65	66	87	12	17	29.19	29.98
24	OVC	100			10.00		58	38	48	48	8	12	29.17	29.96	24	OVC	120			7.00		65	63	64	93	9	29	29.21	30.01
SUNRISE: 0437						MAY 14	SUNSET: 1908						SUNRISE: 0431						MAY 20	SUNSET: 1914									
03	OVC	080			10.00		57	37	47	47	9	12	29.12	29.91	03	OVC	012			8.00		58	55	56	90	18	33	29.26	30.05
06	OVC	049			4.00	-RA	53	48	50	83	8	14	29.12	29.90	06	OVC	036			10.00		51	42	47	71	21	33	29.37	30.17
09	OVC	033			5.00	-RA BR	52	50	51	93	10	06	29.13	29.93	09	FEW	NC			10.00		55	36	46	49	17	34	29.44	30.24
12	OVC	044			5.00	-TSRA BR	52	48	50	86	6	VR	29.12	29.92	12	FEW	NC			10.00		60	39	50	46	17	33	29.48	30.27
15	OVC	043			4.00	TSRA	55	48	51	77	12	10	29.06	29.85	15	FEW	NC			10.00		63	38	51	40	16	33	29.50	30.29
18	BKN	250			10.00		52	48	50	86	14	13	29.03	29.82	18	FEW	NC			10.00		60	37	49	42	13	36	29.51	30.31
21	BKN	250			8.00		47	46	46	97	5	02	29.10	29.89	21	CLR	NC			10.00		52	38	45	59	6	05	29.56	30.36
24	OVC	120			5.00	BR	48	45	47	89	13	05	29.08	29.88	24	CLR	NC			10.00		47	38	43	71	7	07	29.58	30.39
SUNRISE: 0436						MAY 15	SUNSET: 1909						SUNRISE: 0430						MAY 21	SUNSET: 1915									
03	OVC	024			5.00	BR	48	45	47	89	7	06	29.09	29.88	03	CLR	NC			10.00		45	35	41	68	7	08	29.60	30.41
06	OVC	011			6.00	BR	50	47	48	89	7	08	29.12	29.92	06	CLR	NC			10.00		45	36	41	71	6	07	29.63	30.45
09	OVC	021			10.00		54	46	50	75	10	05	29.15	29.95	09	FEW	NC			10.00		52	35	44	53	14	05	29.62	30.43
12	OVC	017			9.00		58	49	53	72	14	09	29.16	29.96	12	SCT	NC			10.00		59	33	47	38	16	10	29.57	30.38
15	BKN	037			10.00		62	47	54	58	16	06	29.17	29.97	15	SCT	NC			10.00		61	32	48	34	14	07	29.51	30.31
18	FEW	NC			10.00		58	43	50	58	8	08	29.21	30.01	18	BKN	250			10.00		56	33	45	42	8	09	29.47	30.27
21	CLR	NC			10.00		51	45	48	80	0	00	29.24	30.04	21	BKN	250			10.00		50	37	44	61	6	06	29.49	30.30
24	CLR	NC			7.00		44	42	43	93	0	00	29.23	30.03	24	FEW	NC			10.00		44	35	40	71	6	06	29.49	30.29
SUNRISE: 0435						MAY 16	SUNSET: 1910						SUNRISE: 0429						MAY 22	SUNSET: 1916									
03	CLR	NC			4.00	BR	43	41	42	93	0	00	29.24	30.04	03	SCT	NC			10.00		41	34	38	76	5	01	29.47	30.27
06	FEW	NC			5.00	BR	47	44	46	90	0	00	29.26	30.06	06	CLR	NC			10.00		44	36	40	73	5	05	29.49	30.30
09	BKN	250			10.00		61	45	53	56	6	VR	29.28	30.08	09	FEW	NC			10.00		56	38	47	51	5	15	29.49	30.29
12	SCT	NC			10.00		66	47	56	50	14	03	29.24	30.04	12	SCT	NC			10.00		63	39	51	41	5	VR	29.44	30.24
15	BKN	060			10.00		68	48	57	49	10	06	29.22	30.02	15	SCT	NC			10.00		65	37	51	36	3	VR	29.39	30.20
18	BKN	250			10.00		65	49	56	56	13	09	29.22	30.02	18	SCT	NC			10.00		62	36	49	38	10	08	29.37	30.18
21	BKN	250			10.00		56	48	52	75	7	07	29.29	30.09	21	OVC	110			10.00		57	31	45	37	3	09	29.41	30.21
24	BKN	250			7.00		50	46	48	86	8	05	29.26	30.05	24	OVC	070			10.00	-RA	51	39	45	64	3	11	29.41	30.21
SUNRISE: 0434						MAY 17	SUNSET: 1911						SUNRISE: 0429						MAY 23	SUNSET: 1917									
03	BKN	250			4.00	BR	48	45	47	89	7	04	29.28	30.08	03	OVC	050			6.00	-RA BR	48	45	47	89	3	25	29.41	30.22
06	BKN	036			1.50	BR	50	48	49	93	8	02	29.30	30.10	06	OVC	060			7.00		48	45	47	89	0	00	29.41	30.21
09	SCT	NC			5.00	HZ	63	54	58	73	14	08	29.28	30.08	09	OVC	150			10.00		55	48	51	77	8	33	29.40	30.20
12	BKN	033			8.00		69	55	61	61	17	06	29.29	30.09	12	BKN	085			10.00		62	41	51	46	7	VR	29.37	30.17
15	BKN	055			10.00		71	53	61	53	16	06	29.28	30.08	15	SCT	NC			10.00		63	40	51	43	8	28	29.33	30.13
18	FEW	NC			10.00		68	50	58	53	13	07	29.28	30.08	18	CLR	NC			10.00		62	39	51	43	8	30	29.30	30.10
21	FEW	NC			6.00	HZ	57	52	54	83	9	06	29.30	30.10	21	CLR	NC			10.00		54	41	48	62	3	08	29.32	30.12
24	CLR	NC			5.00	BR	52	49	50	89	8	04	29.30	30.09	24	CLR	NC			8.00		47	44	46	90	0	00	29.28	30.09
SUNRISE: 0433						MAY 18	SUNSET: 1912						SUNRISE: 0428						MAY 24	SUNSET: 1918									
03	CLR	NC			5.00	BR	51	48	50	89	12	06	29.31	30.11	03	CLR	NC			9.00		44	40	42	85	7	35	29.26	30.06
06	CLR	NC			5.00	BR	54	50	52	87	9	05	29.32	30.11	06	BKN	065			10.00		49	42	46	77	5	32	29.27	30.07
09	SCT	NC			8.00		65	56	60	73	12	10	29.29	30.09	09	SCT	NC			10.00		62	36	49	38	10	34	29.25	30.05
12	OVC	030			10.00		69	58	62	68	10	10	29.26	30.05	12	SCT	NC			10.00		68	33	51	27	8	33	29.21	30.01
15	OVC	034			10.00		72	60	65	66	14	10	29.22	30.01	15	BKN	250			10.00		72	37	54	28	12	34	29.17	29.97
18	OVC	030			9.00		70	59	63	68	13	11	29.22	30.02	18	BKN	250			10.00		68	35	52	30	12	02	29.17	29.96
21	OVC	029			9.00		66	58	61	75	8	09	29.25	30.04	21	BKN	250			10.00		59	41	50	51	6	07	29.22	30.01
24	OVC	037			7.00		63	57	60	81	10	11	29.25	30.04	24	OVC	110			10.00		56	44	50	65	5	34	29.20	30.00

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MAY 2003

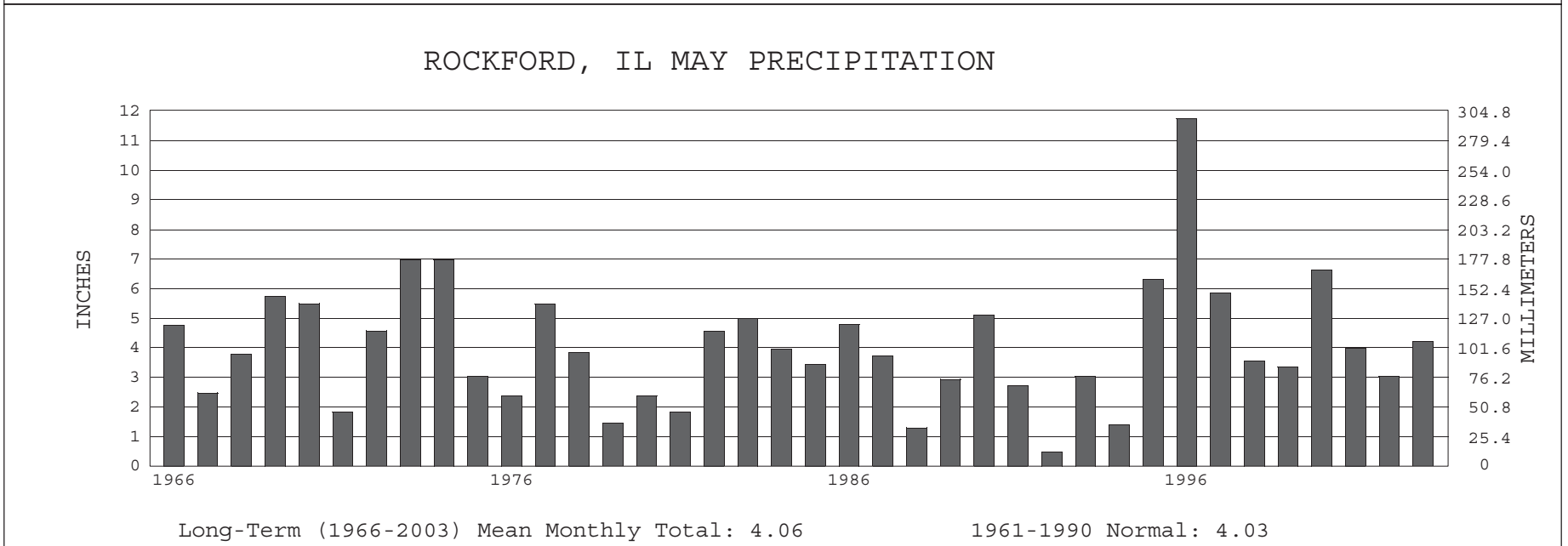
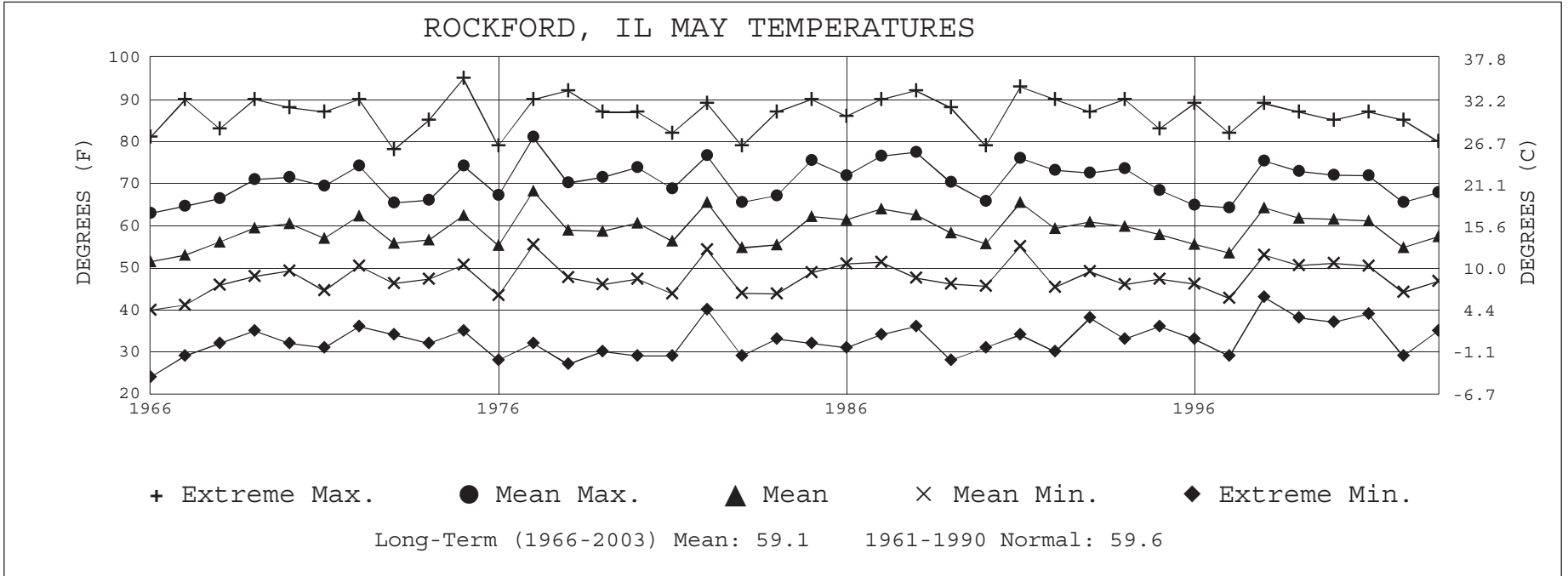
RFD

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 Ok/as		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				OBSERVATION TIME (LST)	EFF CLD AMT Ok/as		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0427						MAY 25						SUNSET: 1919															
03	OVC	110				56	42	49	60	10	01	29.20	30.00	03	OVC	009			BR	54	50	52	87	18	36	28.82	29.61
06	FEW	NC				56	45	50	67	10	01	29.22	30.02	06	OVC	013				55	50	52	83	23	03	28.95	29.73
09	CLR	NC				64	43	53	46	10	04	29.24	30.03	09	OVC	016				54	47	50	77	14	36	29.10	29.89
12	FEW	NC				70	41	55	35	12	36	29.22	30.02	12	OVC	018				57	47	52	69	17	36	29.17	29.96
15	FEW	NC				73	39	55	29	9	04	29.19	29.98	15	OVC	027				58	46	52	65	16	01	29.18	29.98
18	FEW	NC				69	38	53	32	14	08	29.21	30.01	18	BKN	250				60	39	50	46	12	35	29.20	30.00
21	FEW	NC				59	39	49	48	3	08	29.25	30.05	21	FEW	NC				49	42	46	77	9	10	29.26	30.06
24	CLR	NC				50	42	46	74	0	00	29.27	30.07	24	CLR	NC				42	31	37	65	3	06	29.28	30.09
SUNRISE: 0427						MAY 26						SUNSET: 1920															
03	CLR	NC				47	43	45	86	0	00	29.29	30.09	3-HOURLY OBSERVATION NOTES													
06	CLR	NC				52	47	49	83	5	01	29.33	30.12	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,													
09	CLR	NC				67	41	54	39	9	03	29.34	30.14	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.													
12	FEW	NC				73	40	56	30	13	03	29.32	30.11	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.													
15	OVC	090				73	39	55	29	9	34	29.30	30.10	NC = No ceiling detected.													
18	SCT	NC				72	42	56	34	12	01	29.28	30.08	& = Original observation contained additional weather elements.													
21	FEW	NC				60	48	54	65	5	07	29.34	30.13	See page 3 for additional notes.													
24	FEW	NC				52	48	50	86	0	00	29.35	30.15														
SUNRISE: 0426						MAY 27						SUNSET: 1921															
03	FEW	NC				49	47	48	93	0	00	29.36	30.16														
06	CLR	NC				54	50	52	87	5	34	29.39	30.19														
09	CLR	NC				68	49	57	51	6	VR	29.40	30.19														
12	FEW	NC				75	47	59	37	7	VR	29.36	30.15														
15	SCT	NC				77	44	59	31	8	33	29.31	30.11														
18	FEW	NC				75	43	58	32	7	32	29.26	30.06														
21	FEW	NC				61	50	55	67	0	00	29.25	30.04														
24	SCT	NC				57	47	52	69	6	16	29.22	30.01														
SUNRISE: 0425						MAY 28						SUNSET: 1922															
03	OVC	250				56	47	51	72	5	15	29.13	29.92														
06	OVC	120				57	31	45	37	5	18	29.10	29.88														
09	BKN	080				62	48	54	60	0	00	29.09	29.87														
12	BKN	039				71	57	63	61	9	26	29.02	29.80														
15	OVC	200				67	56	60	68	17	01	28.98	29.76														
18	OVC	100				64	54	58	70	18	35	29.03	29.81														
21	BKN	250				60	51	55	72	16	36	29.08	29.86														
24	CLR	NC				54	46	50	75	5	29	29.07	29.86														
SUNRISE: 0425						MAY 29						SUNSET: 1923															
03	CLR	NC				53	45	49	74	8	30	29.03	29.82														
06	CLR	NC				57	45	51	64	14	33	29.06	29.84														
09	BKN	033				63	48	55	58	13	34	29.07	29.85														
12	BKN	050				67	51	58	57	16	35	29.07	29.86														
15	OVC	200				71	48	58	44	15	02	29.05	29.83														
18	BKN	250				69	43	55	39	6	01	29.04	29.82														
21	BKN	250				55	48	51	77	0	00	29.05	29.84														
24	SCT	NC				50	46	48	86	3	16	29.03	29.81														
SUNRISE: 0424						MAY 30						SUNSET: 1923															
03	FEW	NC				48	45	47	89	5	14	28.97	29.76														
06	OVC	180				53	47	50	80	0	00	28.93	29.72														
09	OVC	150			-RA	58	53	55	84	10	19	28.92	29.71														
12	BKN	070				65	51	57	61	23	21	28.84	29.62														
15	BKN	046				72	53	61	52	18	22	28.73	29.51														
18	BKN	070				72	62	66	71	21	21	28.57	29.34														
21	OVC	085				66	53	59	63	17	34	28.67	29.45														
24	OVC	013				60	57	58	90	14	34	28.72	29.50														

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			51	44	48	79	29.14	29.94	8.48	8	2	3	
02			50	44	47	79	29.14	29.93	8.55	8	2	1	
03			50	43	47	79	29.14	29.94	8.29	9	3	3	
04			49	43	46	80	29.15	29.94	8.29	9	3	1	
05			49	43	46	81	29.15	29.94	7.55	10	4	1	
06			51	44	48	77	29.16	29.96	7.73	9	4	1	
07			54	44	49	72	29.17	29.97	8.03	11	4	1	
08			56	44	50	67	29.18	29.97	8.27	11	5	2	
09			58	45	51	65	29.18	29.97	8.65	10	3	1	
10			60	45	53	62	29.18	29.97	8.90	11	4	1	
11			62	46	53	59	29.17	29.97	9.19	12	3	1	
12			63	46	54	57	29.16	29.96	9.06	12	3	36	
13			64	46	55	56	29.16	29.95	9.03	12	3	36	
14			65	46	55	54	29.15	29.94	9.42	14	4	1	
15			65	45	55	53	29.14	29.94	9.40	14	4	1	
16			65	45	55	53	29.14	29.93	9.48	12	4	2	
17			65	45	55	53	29.13	29.93	9.71	12	3	4	
18			63	45	54	55	29.13	29.92	9.58	12	3	4	
19			60	45	53	60	29.14	29.94	9.42	9	3	6	
20			58	45	52	66	29.14	29.94	9.23	9	4	7	
21			56	45	51	69	29.16	29.95	9.19	8	3	6	
22			54	45	50	71	29.16	29.96	8.84	8	3	6	
23			53	45	49	74	29.15	29.95	8.87	8	3	4	
24			52	44	48	76	29.15	29.95	8.84	8	2	5	





MAY 2003
ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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