



MAY 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	61	45	53	-1	37	45	12	0	TSRA RA BR			0.0	0.27	28.92	29.72	5.1	05	10.2	26	04	22	04	01					
02	53	41	47	-7	32	40	18	0	RA BR			0.0	T	29.00	29.80	13.9	30	14.6	36	30	26	32	02					
03	59	30	45	-9	26	38	20	0				0.0	0.00	29.31	30.12	2.6	08	5.5	17	11	14	10	03					
04	69	34	52	-3	34	45	13	0				0.0	0.00	29.33	30.14	7.6	20	8.7	24	21	18	25	04					
05	78	48	63	7	48	55	2	0				0.0	0.00	29.31	30.10	6.9	17	12.2	30	18	24	18	05					
06	78	61	70	14	56	61	0	5	TS TSRA GR RA BR HZ			T	0.02	29.04	29.83	8.6	20	9.9	21	24	18	17	06					
07	68	46	57	1	47	51	8	0	BR HZ			0.0	0.00	29.26	30.05	10.3	05	12.5	25	02	21	03	07					
08	73	46	60	3	56	58	5	0	TSRA RA DZ BR HZ			0.0	0.12	29.01	29.80	11.5	13	14.4	51*	26	39*	26	08					
09	62	46	54	-3	38	47	11	0	RA BR			0.0	0.12	29.05	29.85	17.9	28	18.6	41	28	35	27	09					
10	64	43	54	-4	29	44	11	0				0.0	0.00	29.48	30.29	5.8	27	9.4	26	31	22	30	10					
11	54	44	49	-9	38	44	16	0	TSRA RA DZ BR			0.0	1.21	29.39	30.19	11.8	10	12.5	29	09	23	09	11					
12	50	45	48	-10	44	45	17	0	RA DZ FG BR			0.0	0.02	29.18	29.98	10.3	36	11.3	24	02	21	02	12					
13	57	44	51	-8	39	44	14	0				0.0	0.00	29.24	30.05	10.1	33	11.6	25	34	22	33	13					
14	63	40	52	-7	41	47	13	0				0.0	0.00	29.28		6.9	30	8.3	21	31	17	30	14					
15	75	42	59	0	47	53	6	0	RA BR HZ			0.0	T	29.18	29.97	13.9	20	14.5	38	21	32	21	15					
16	64	43	54	-6	50	53	11	0	RA BR			0.0	0.45	29.14	29.92	2.0	23	8.5	22	05	18	06	16					
17	48	34	41*	-19	32	38	24	0				0.0	0.00	29.36	30.17	10.8	04	11.4	25	01	21	02	17					
18	56	31	44	-17	29	38	21	0				0.0	0.00	29.42	30.24	3.7	34	5.9	23	01	18	31	18					
19	57	38	48	-13	31	40	17	0	RA			0.0	T	29.46	30.27	3.6	07	7.3	20	36	16	01	19					
20	51	32	42	-19	30	37	23	0				0.0	0.00	29.60	30.42	7.1	05	8.0	21	02	15	08	20					
21	59	29*	44	-17	30	39	21	0	BR			0.0	0.00	29.57	30.39	4.9	17	5.5	16	15	14	17	21					
22	70	40	55	-7	39	48	10	0				0.0	0.00	29.35	30.15	16.5	18	16.6	33	17	29	18	22					
23	67	53	60	-2	52	56	5	0	TS TSRA RA BR			0.0	0.14	29.11	29.90	11.6	21	12.4	26	22	21	21	23					
24	63	45	54	-9	40	47	11	0	RA BR			0.0	T	29.28	30.08	8.1	05	10.0	21	09	17	07	24					
25	52	42	47	-16	42	45	18	0	TSRA RA DZ BR			0.0	0.54	29.20	30.01	4.7	35	8.9	22	30	17	31	25					
26	73	41	57	-6	47	53	8	0	BR			0.0	0.00	29.28	30.08	9.6	20	10.0	26	20	21	19	26					
27	78	50	64	0	52	58	1	0				0.0	0.00	29.23	30.02	4.6	16	5.7	17	19	15	19	27					
28	80	57	69	5	58	63	0	4	RA BR			0.0	0.13	29.17	29.95	4.7	14	6.9	25	29	21	30	28					
29	81	60	71	7	61	64	0	6				0.0	0.00	29.09	29.87	5.6	22	6.4	20	25	16	26	29					
30	85*	60	73*	9	63	67	0	8	BR HZ			0.0	0.00	28.99	29.77	9.2	22	9.8	23	24	18	23	30					
31	83	57	70	5	57	63	0	5				0.0	0.00	28.98	29.76	6.9	28	8.3	21	24	15	26	31					
65.5 44.1 54.8 ■■										< MONTHLY AVERAGES TOTALS->			T	3.02	29.23		1.1	18	10.2	<- MONTHLY AVERAGES								
-5.7 -3.8 -4.8 ■■										<-----DEPARTURE FROM NORMAL----->										-1.00	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.23 DATE :11-12				SEA LEVEL PRESSURE DATE TIME															
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: T DATE :06				MAXIMUM : 30.49 21 0754															
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: DATE :				MINIMUM : 29.55 09 0254															
HEATING: 336 97 6008 -937									NUMBER OF DAYS WITH → MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 4				PRECIPITATION ≥ 0.01 INCH : 10											
COOLING: 28 -21 62 5									MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 8											
									THUNDERSTORMS : 6				HEAVY FOG : 0				SNOWFALL ≥ 1.0 INCH : 0											

MAY 2002
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

MAY 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					T								01							T	T	0.04	0.19	0.04	T	01	0.07		0.27
02													02									T				02			T
03													03													03			0.00
04													04													04			0.00
05													05													05			0.00
06		0.02	0.05	T	T	T							06													06			0.02
07													07													07			0.00
08			T	T			T	T					08										T	T	0.12	08			0.12
09	0.07	0.02	T	0.01	T			0.01		0.01			09													09			0.12
10													10													10			0.00
11									0.03	0.26	0.30	0.19	11	0.05	0.02	0.01	0.01	T	T	T	0.02	0.19	0.04	0.09	T	11			1.21
12	T	T			T	0.01	T	0.01	T	T			12													12			0.02
13													13													13			0.00
14													14													14			0.00
15													15												T	15			T
16								T	T	0.01		0.26	16	0.09	0.06	0.03	T									16			0.45
17													17													17			0.00
18													18													18			0.00
19	T												19					T								19			T
20													20													20			0.00
21													21													21			0.00
22		T	T						0.10	0.01		0.01	22													22			0.00
23													23	T												23			0.14
24	T												24												0.02	24			T
25				0.01	0.19	0.23	0.03	0.07	T	0.01			25													25			0.54
26													26													26			0.00
27													27													27			0.00
28													28													28			0.13
29													29													29			0.00
30													30													30			0.00
31													31													31			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)	.12	.16	.18	.19	.24	.33	.39	.42	.42	.43	.45	.48
Ending Date	28	25	25	25	25	25	25	25	25	25	25	25
Ending Time (Hour/Min)	2317	0519	0522	0522	0518	0518	0522	0531	0531	0620	0639	0721

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
MAY 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.

ERRATA – Mar LCD– Add a T on the 17th in col 13 and add 0.3 in col 13 (snow fall) day 21. Monthly Snow Fall = 12.5.

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MAY 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: 0452 MAY 01			SUNSET: 1854										SUNRISE: 0445 MAY 07			SUNSET: 1901								
03	OVC	085			10.00		48	39	44	71	8	17	29.02	29.82	03	CLR	NC			10.00		62	58	60	86	8	34	29.11	29.88
06	OVC	080			10.00		48	38	43	68	0	00	29.04	29.83	06	BKN	011		HZ	5.00		59	54	56	83	16	01	29.19	29.98
09	OVC	080			10.00		55	33	45	44	7	16	29.02	29.81	09	OVC	017			10.00		57	48	52	72	21	04	29.28	30.08
12	OVC	065			10.00		58	34	47	41	7	03	28.94	29.73	12	OVC	011			7.00		52	31	43	45	13	07	29.36	30.16
15	OVC	060			10.00		61	34	48	36	14	05	28.85	29.64	15	FEW	NC			10.00		62	45	53	54	12	11	29.32	30.11
18	OVC	050			10.00		57	33	46	41	16	06	28.77	29.56	18	SCT	NC			10.00		55	40	48	57	14	07	29.30	30.11
21	OVC	085			5.00	-TSRA BR	47	44	46	90	21	35	28.79	29.59	21	OVC	035			10.00		47	38	43	71	15	06	29.29	30.10
24	OVC	010			6.00	BR	45	43	44	93	14	02	28.81	29.60	24	BKN	034			10.00		46	41	44	83	12	07	29.24	30.04
					SUNRISE: 0451 MAY 02			SUNSET: 1856											SUNRISE: 0443 MAY 08			SUNSET: 1902							
03	OVC	018			10.00		43	39	41	86	9	33	28.88	29.67	03	OVC	031			10.00		50	46	48	86	13	09	29.16	29.96
06	SCT	NC			10.00		41	38	40	89	12	30	28.93	29.73	06	OVC	008			2.00	BR	54	50	52	87	12	12	29.12	29.93
09	OVC	031			10.00		44	36	40	73	15	32	28.97	29.77	09	OVC	010			3.00	BR	58	55	56	90	14	12	29.08	29.88
12	SCT	NC			10.00		48	24	38	39	20	31	29.01	29.80	12	OVC	014			6.00	HZ	64	56	59	75	13	13	29.05	29.84
15	SCT	NC			10.00		51	25	40	36	18	30	29.02	29.82	15	SCT	NC			7.00		72	60	65	66	17	15	28.94	29.73
18	BKN	070			10.00		50	27	40	41	12	28	29.04	29.84	18	BKN	250			7.00		69	60	64	73	16	13	28.91	29.69
21	OVC	070			10.00		47	34	41	61	14	29	29.11	29.91	21	OVC	042			6.00	BR	67	63	64	87	15	15	28.84	29.63
24	FEW	NC			10.00		42	30	37	62	9	30	29.15	29.96	24	OVC	047			8.00	-RA	62	58	60	86	10	24	28.84	29.62
					SUNRISE: 0450 MAY 03			SUNSET: 1857											SUNRISE: 0442 MAY 09			SUNSET: 1903							
03	CLR	NC			10.00		35	28	32	76	0	00	29.20	30.02	03	OVC	090			10.00	-RA	60	58	59	93	6	20	28.77	29.55
06	CLR	NC			10.00		36	26	32	67	5	03	29.28	30.09	06	OVC	014			10.00		51	47	49	86	16	28	28.88	29.67
09	CLR	NC			10.00		48	25	39	41	6	07	29.34	30.14	09	BKN	150			10.00		49	36	43	61	24	29	29.00	29.79
12	CLR	NC			10.00		53	27	42	37	3	VR	29.34	30.15	12	SCT	NC			10.00		56	35	46	46	22	28	29.06	29.85
15	CLR	NC			10.00		57	22	43	26	6	VR	29.33	30.14	15	FEW	NC			10.00		57	30	45	36	28	27	29.12	29.91
18	CLR	NC			10.00		57	25	43	29	0	00	29.32	30.13	18	FEW	NC			10.00		55	28	43	36	22	28	29.18	29.98
21	CLR	NC			10.00		45	28	38	52	9	10	29.37	30.18	21	CLR	NC			10.00		50	28	41	43	17	26	29.27	30.08
24	CLR	NC			10.00		39	24	33	55	6	12	29.38	30.19	24	CLR	NC			10.00		46	28	39	50	12	26	29.33	30.14
					SUNRISE: 0448 MAY 04			SUNSET: 1858											SUNRISE: 0441 MAY 10			SUNSET: 1904							
03	CLR	NC			10.00		37	21	31	52	0	00	29.37	30.18	03	CLR	NC			10.00		44	30	38	58	10	24	29.35	30.15
06	CLR	NC			10.00		38	26	33	62	3	17	29.39	30.20	06	SCT	NC			10.00		45	31	39	58	13	26	29.41	30.22
09	CLR	NC			10.00		58	35	47	42	13	19	29.40	30.20	09	BKN	250			10.00		55	30	44	39	14	29	29.51	30.31
12	CLR	NC			10.00		64	37	51	37	9	18	29.34	30.15	12	BKN	250			10.00		61	26	46	26	10	30	29.52	30.32
15	FEW	NC			10.00		68	37	52	32	15	20	29.28	30.08	15	FEW	NC			10.00		64	35	50	34	12	28	29.51	30.32
18	SCT	NC			10.00		67	39	53	36	12	26	29.26	30.06	18	BKN	150			10.00		62	25	46	24	3	VR	29.52	30.32
21	OVC	070			10.00		61	41	51	48	7	20	29.30	30.09	21	OVC	150			10.00		57	31	45	37	6	08	29.55	30.35
24	CLR	NC			10.00		55	43	49	64	8	26	29.33	30.13	24	OVC	120			10.00		54	30	43	40	8	12	29.55	30.35
					SUNRISE: 0447 MAY 05			SUNSET: 1859											SUNRISE: 0440 MAY 11			SUNSET: 1905							
03	BKN	060			10.00		50	44	47	80	6	36	29.38	30.18	03	BKN	100			10.00		54	26	42	34	14	11	29.51	30.32
06	CLR	NC			7.00		49	45	47	86	9	02	29.43	30.23	06	OVC	100			10.00		53	30	43	41	12	12	29.51	30.31
09	SCT	NC			10.00		57	48	52	72	7	12	29.44	30.24	09	OVC	037			5.00	RA	48	37	43	66	14	14	29.49	30.29
12	FEW	NC			10.00		71	51	60	49	13	19	29.37	30.17	12	OVC	032			6.00	-RA BR	45	44	44	96	14	11	29.47	30.27
15	FEW	NC			10.00		77	48	60	36	18	19	29.25	30.04	15	OVC	014			3.00	-DZ BR	44	42	43	93	12	10	29.37	30.18
18	BKN	250			10.00		75	49	60	40	16	19	29.19	29.98	18	OVC	008			4.00	-DZ BR	45	43	44	93	14	09	29.27	30.07
21	SCT	NC			10.00		68	50	58	53	14	16	29.15	29.94	21	OVC	006			3.00	-TSRA BR	44	43	44	96	13	07	29.21	30.02
24	OVC	250			10.00		66	52	58	61	16	19	29.12	29.91	24	OVC	009			6.00	BR	45	44	45	97	8	10	29.13	29.94
					SUNRISE: 0446 MAY 06			SUNSET: 1860											SUNRISE: 0439 MAY 12			SUNSET: 1906							
03	OVC	100			10.00		63	55	58	76	12	18	29.10	29.88	03	OVC	003			3.00	BR	46	45	46	96	10	03	29.10	29.90
06	OVC	100			10.00		62	56	59	81	7	14	29.02	29.80	06	OVC	003			1.00	DZ BR	46	45	46	96	9	04	29.11	29.91
09	OVC	010			5.00	BR	62	59	60																				

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MAY 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: 0438	MAY 13			SUNSET: 1907										SUNRISE: 0432	MAY 19									
03	OVC	015			10.00		44	39	42	83	16	36	29.22	30.03	03	OVC	100			10.00		41	31	37	67	5	17	29.41	30.22
06	OVC	026			10.00		44	37	41	76	14	34	29.27	30.08	06	FEW	NC			8.00		41	31	37	67	0	00	29.44	30.25
09	OVC	025			10.00		49	38	44	66	18	35	29.24	30.05	09	CLR	NC			10.00		50	34	43	54	5	34	29.44	30.26
12	OVC	038			10.00		52	39	46	61	13	34	29.26	30.06	12	OVC	080			10.00		54	30	43	40	8	36	29.44	30.25
15	BKN	060			10.00		54	37	46	53	9	31	29.24	30.05	15	OVC	070			10.00		53	31	43	43	10	08	29.44	30.26
18	CLR	NC			10.00		54	41	48	62	7	24	29.21	30.01	18	BKN	095			10.00		49	31	41	50	10	09	29.47	30.28
21	BKN	075			10.00		47	43	45	86	6	28	29.21	30.02	21	BKN	095			10.00		43	31	38	63	8	09	29.52	30.33
24	FEW	NC			10.00		45	41	43	86	8	30	29.22	30.02	24	OVC	090			10.00		39	30	35	70	7	06	29.56	30.37
					SUNRISE: 0437	MAY 14			SUNSET: 1909										SUNRISE: 0431	MAY 20									
03	CLR	NC			10.00		41	39	40	93	6	32	29.23	30.04	03	OVC	080			10.00		39	31	36	73	7	06	29.56	30.37
06	CLR	NC			10.00		44	41	43	89	7	31	29.27	30.07	06	OVC	075			10.00		39	31	36	73	12	06	29.59	30.42
09	FEW	NC			10.00		54	44	49	69	12	31	29.29	30.09	09	OVC	080			10.00		43	30	38	60	14	07	29.64	30.47
12	BKN	050			10.00		60	43	51	53	9	28	29.30		12	OVC	044			10.00		47	31	40	54	7	05	29.61	30.44
15	SCT	NC			10.00		62	41	51	46	13	31	29.28		15	OVC	060			10.00		49	28	40	45	10	01	29.59	30.41
18	CLR	NC			10.00		60	40	50	48	8	31	29.26		18	FEW	NC			10.00		47	25	38	42	8	01	29.58	30.40
21	CLR	NC			10.00		50	42	46	74	6	18	29.29		21	CLR	NC			10.00		39	28	35	65	6	09	29.62	30.44
24	CLR	NC			10.00		46	41	44	83	0	00	29.30	30.11	24	CLR	NC			10.00		32	28	31	85	0	00	29.61	30.43
					SUNRISE: 0436	MAY 15			SUNSET: 1910										SUNRISE: 0430	MAY 21									
03	CLR	NC			7.00		43	41	42	93	3	18	29.30	30.11	03	CLR	NC			10.00		30	28	29	92	0	00	29.61	30.44
06	FEW	NC			6.00	HZ	48	43	46	83	9	17	29.29	30.09	06	CLR	NC			10.00		33	30	32	89	0	00	29.64	30.47
09	SCT	NC			10.00		62	48	55	60	20	20	29.26	30.06	09	CLR	NC			10.00		48	28	40	46	5	22	29.65	30.47
12	SCT	NC			10.00		70	48	58	46	20	18	29.17	29.97	12	FEW	NC			10.00		54	30	43	40	6	22	29.59	30.42
15	BKN	250			10.00		74	47	59	38	24	21	29.09	29.88	15	SCT	NC			10.00		57	30	45	36	7	20	29.54	30.36
18	CLR	NC			10.00		71	48	58	44	15	20	29.07	29.86	18	CLR	NC			10.00		56	32	45	40	8	17	29.50	30.32
21	SCT	NC			10.00		66	50	57	56	12	20	29.07	29.85	21	CLR	NC			10.00		48	31	41	52	8	14	29.49	30.30
24	OVC	075			10.00		63	55	58	76	9	22	29.09	29.87	24	CLR	NC			10.00		45	31	39	58	9	16	29.48	30.29
					SUNRISE: 0435	MAY 16			SUNSET: 1911										SUNRISE: 0429	MAY 22									
03	BKN	110			10.00		62	53	57	73	12	23	29.07	29.85	03	CLR	NC			10.00		42	31	37	65	8	17	29.46	30.27
06	CLR	NC			10.00		61	51	56	70	9	22	29.08	29.86	06	CLR	NC			10.00		44	31	39	60	10	18	29.49	30.30
09	OVC	039			10.00		63	54	58	73	12	23	29.07	29.85	09	FEW	NC			10.00		58	41	50	54	20	19	29.45	30.26
12	OVC	005			2.50	RA BR	58	57	57	97	6	27	29.08	29.87	12	FEW	NC			10.00		66	42	54	42	20	17	29.38	30.18
15	BKN	009			7.00	-RA	60	58	59	93	6	30	29.11	29.89	15	BKN	250			10.00		69	44	56	41	23	17	29.28	30.08
18	OVC	007			5.00	BR	50	48	49	93	7	07	29.19	29.99	18	SCT	NC			10.00		68	45	56	44	24	17	29.20	30.01
21	OVC	110			9.00		48	45	47	89	5	07	29.25	30.05	21	CLR	NC			10.00		59	44	51	58	15	18	29.21	30.01
24	OVC	055			10.00		43	35	40	74	15	06	29.29	30.09	24	CLR	NC			10.00		53	42	48	66	12	18	29.20	30.00
					SUNRISE: 0434	MAY 17			SUNSET: 1912										SUNRISE: 0429	MAY 23									
03	OVC	032			10.00		40	32	37	73	10	07	29.35	30.16	03	BKN	060			10.00		56	37	47	49	12	20	29.16	29.95
06	BKN	180			10.00		39	31	36	73	10	04	29.38	30.19	06	OVC	065			10.00		57	45	51	64	14	19	29.12	29.92
09	BKN	250			10.00		46	34	41	63	15	03	29.39	30.20	09	OVC	032			4.00	TSRA BR	57	53	55	87	14	16	29.12	29.91
12	OVC	030			10.00		48	33	41	56	15	01	29.37	30.18	12	OVC	034			7.00	-RA	61	56	58	84	14	22	29.09	29.88
15	OVC	040			10.00		46	31	40	56	18	02	29.34	30.16	15	OVC	030			10.00		66	56	60	70	13	22	29.07	29.85
18	BKN	042			10.00		46	30	39	54	12	03	29.35	30.16	18	OVC	050			10.00		65	57	60	76	9	22	29.09	29.87
21	CLR	NC			10.00		39	33	37	79	0	00	29.35	30.17	21	OVC	055			8.00		64	59	61	84	10	20	29.09	29.88
24	CLR	NC			10.00		35	30	33	82	5	01	29.38	30.19	24	OVC	075			3.00	-RA BR	63	61	62	93	10	27	29.12	29.91
					SUNRISE: 0433	MAY 18			SUNSET: 1913										SUNRISE: 0428	MAY 24									
03	CLR	NC			10.00		34	29	32	82	3	34	29.38	30.20	03	BKN	120			10.00		56	46	51	70	9	36	29.16	29.96
06	FEW	NC			10.00		35	31	33	85	3	02	29.44	30.26	06	BKN	250			10.00		52	45	48	77	8	06	29.24	30.03
09	SCT	NC			10.00		45	31	39	58	7	VR	29.47	30.28	09	BKN	250			10.00		54	42	48	64	1			

ROCKFORD, IL

MAY 2002

RFD

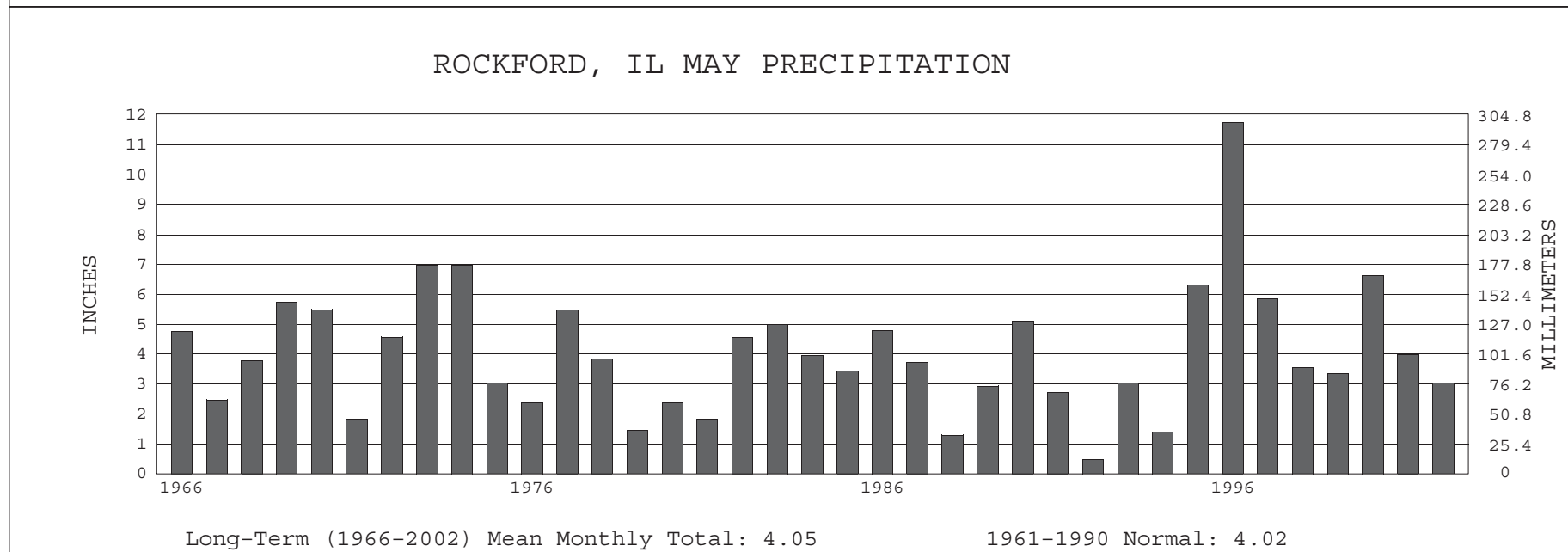
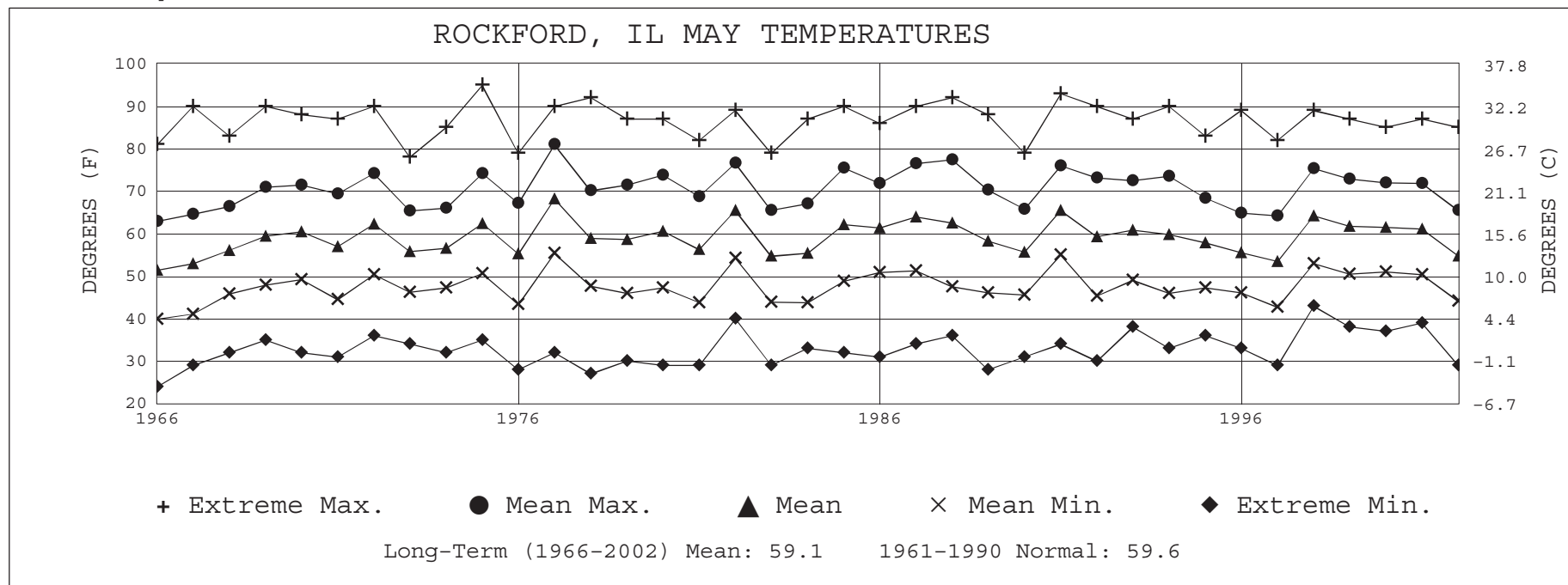
WBAN # 94822

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 OFF	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 OFF	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	OVC	070			10.00									03	SCT	NC			10.00										
06	OVC	018			10.00	-RA								06	CLR	NC			10.00										
09	OVC	003			3.00	-DZ BR								09	SCT	NC			10.00										
12	OVC	010			10.00									12	BKN	120			10.00										
15	OVC	016			10.00									15	OVC	150			10.00										
18	BKN	022			10.00									18	FEW	NC			10.00										
21	CLR	NC			10.00									21	SCT	NC			10.00										
24	CLR	NC			9.00									24	CLR	NC			10.00										
SUNRISE: 0427 MAY 25 SUNSET: 1919																													
03	CLR	NC			6.00	BR								03	CLR	NC			10.00										
06	CLR	NC			5.00	BR								06	CLR	NC			10.00										
09	CLR	NC			10.00									09	CLR	NC			10.00										
12	FEW	NC			10.00									12	FEW	NC			10.00										
15	FEW	NC			10.00									15	FEW	NC			10.00										
18	FEW	NC			10.00									18	FEW	NC			10.00										
21	BKN	250			10.00									21	BKN	250			10.00										
24	SCT	NC			10.00									24	SCT	NC			10.00										
SUNRISE: 0426 MAY 26 SUNSET: 1920																													
03	BKN	250			10.00									03	BKN	250			10.00										
06	OVC	180			10.00									06	OVC	180			10.00										
09	OVC	200			10.00									09	OVC	200			10.00										
12	OVC	200			10.00									12	OVC	200			10.00										
15	OVC	200			10.00									15	OVC	200			10.00										
18	SCT	NC			10.00									18	SCT	NC			10.00										
21	SCT	NC			10.00									21	SCT	NC			10.00										
24	BKN	110			10.00									24	BKN	110			10.00										
SUNRISE: 0426 MAY 27 SUNSET: 1921																													
03	BKN	250			10.00									03	BKN	250			10.00										
06	OVC	180			10.00									06	OVC	180			10.00										
09	OVC	200			10.00									09	OVC	200			10.00										
12	OVC	200			10.00									12	OVC	200			10.00										
15	OVC	200			10.00									15	OVC	200			10.00										
18	SCT	NC			10.00									18	SCT	NC			10.00										
21	SCT	NC			10.00									21	SCT	NC			10.00										
24	BKN	110			10.00									24	BKN	110			10.00										
SUNRISE: 0425 MAY 28 SUNSET: 1922																													
03	OVC	100			10.00									03	OVC	100			10.00										
06	BKN	250			8.00									06	BKN	250			8.00										
09	BKN	090			8.00									09	BKN	090			8.00										
12	BKN	250			10.00									12	BKN	250			10.00										
15	BKN	250			10.00									15	BKN	250			10.00										
18	SCT	NC			10.00									18	SCT	NC			10.00										
21	BKN	060			9.00									21	BKN	060			9.00										
24	OVC	070			10.00									24	OVC	070			10.00										
SUNRISE: 0424 MAY 29 SUNSET: 1923																													
03	CLR	NC			10.00									03	CLR	NC			10.00										
06	BKN	065			10.00									06	BKN	065			10.00										
09	BKN	250			10.00									09	BKN	250			10.00										
12	BKN	250			10.00									12	BKN	250			10.00										
15	OVC	150			10.00									15	OVC	150			10.00										
18	BKN	120			10.00									18	BKN	120			10.00										
21	CLR	NC			10.00									21	CLR	NC			10.00										
24	BKN	110			10.00									24	BKN	110			10.00										
SUNRISE: 0424 MAY 30 SUNSET: 1924																													
03	CLR	NC			4.00	BR								03	CLR	NC			4.00	BR									
06	SCT	NC			3.00	BR								06	SCT	NC			3.00	BR									
09	SCT	NC			8.00									09	SCT	NC			8.00										
12	FEW	NC			10.00									12	FEW	NC			10.00										
15	SCT	NC			10.00									15	SCT	NC			10.00										
18	BKN	250			10.00									18	BKN	250			10.00										
21	BKN	100			10.00									21	BKN	100			10.00										
24	FEW	NC			10.00									24	FEW	NC			10.00										

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.

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			50	42	46	75	29.22	30.02	9.19	8	1	12
02			49	42	46	76	29.22	30.02	9.32	7	0	0
03			49	41	45	77	29.22	30.02	9.35	7	1	11
04			48	41	45	78	29.23	30.02	8.93	7	0	0
05			48	41	45	80	29.23	30.03	8.26	9	1	2
06			49	42	46	78	29.25	30.05	8.55	8	0	0
07			52	43	48	73	29.26	30.06	8.92	10	1	17
08			54	42	48	66	29.27	30.06	9.03	11	1	20
09			56	44	50	65	29.26	30.06	8.71	12	1	24
10			58	44	51	62	29.26	30.06	9.29	12	1	26
11			59	43	51	58	29.26	30.06	9.02	12	3	24
12			61	43	52	56	29.25	30.05	9.11	11	3	26
13			62	43	53	54	29.24	30.04	9.55	13	2	25
14			63	43	53	51	29.23	30.03	9.39	13	3	26
15			63	43	53	50	29.22	30.01	9.55	13	3	23
16			63	43	53	50	29.21	30.00	9.61	13	3	22
17			62	42	52	50	29.21	30.00	9.55	13	3	21
18			61	42	52	52	29.20	30.00	9.55	11	2	20
19			59	43	51	57	29.21	30.00	9.55	10	2	17
20			56	43	50	63	29.21	30.01	9.58	9	2	14
21			54	43	49	68	29.22	30.02	9.35	9	3	15
22			54	43	49	69	29.23	30.02	9.42	9	3	18
23			52	43	48	72	29.23	30.03	9.32	9	2	19
24			51	43	47	75	29.23	30.03	9.42	8	1	21





MAY 2002

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.

DIRECTOR

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost is \$29 for online delivery (including back issues) compared to \$34 for offline delivery.** To order this and other subscriptions online with your credit card, go to:
www.ncdc.noaa.gov and choose subscriptions.

We welcome your questions or comments, please contact us at
Toll Free Number (866) 742–3322 (voice)
Fax Number : (304) 726–4409
TDD : 828–271–4010
or Email : ncdc.info@noaa.gov
Local Climatological Data is available at www.ncdc.noaa.gov

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center
310 State Route 956 Building 300
Rocket Center, WV 26726

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19