



# NOVEMBER 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	39	23	31	-13	18	26	34	0				0.0	0.00	29.45	30.27	11.2	28	11.8	26	28	21	28	01		
02	47	25	36	-7	21	30	29	0				0.0	0.00	29.32	30.14	6.5	27	7.5	22	29	17	26	02		
03	44	22	33	-10	27	31	32	0	BR			0.0	0.00	29.25	30.07	6.0	21	6.6	15	23	14	23	03		
04	44	26	35	-8	26	32	30	0	BR HZ FU			0.0	0.00	29.30	30.11	2.1	36	6.6	16	02	13	02	04		
05	39	33	36	-6	34	36	29	0	RA BR UP			T	0.11	29.05	29.86	0.3	12	7.1	21	32	16	32	05		
06	42	29	36	-6	31	34	29	0	BR HZ			0.0	0.00	29.18	30.00	7.3	29	8.7	25	30	21	30	06		
07	60	25	43	2	31	38	22	0	BR HZ			0.0	0.00	29.15	29.96	9.6	20	9.9	28	21	22	20	07		
08	65	46	56	15	38	46	9	0				0.0	0.00	28.85	29.64	14.4	20	14.9	28	19	23	19	08		
09	65*	46	56*	16	50	53	9	0	RA BR HZ			0.0	T	28.68	29.46	14.5	19	14.9	29	17	25	17	09		
10	58	35	47	7	47	49	18	0	RA FG+ BR HZ			0.0	0.02	28.60	29.38	6.4	25	8.0	24	27	20	28	10		
11	41	35	38	-1	34	36	27	0	DZ BR			0.0	T	29.13	29.94	5.4	31	7.4	22	26	17	27	11		
12	43	33	38	-1	27	33	27	0				0.0	0.00	29.38	30.20	5.6	25	7.8	20	26	15	23	12		
13	58	30	44	6	32	40	21	0	BR			0.0	0.00	29.20	30.01	8.8	21	9.2	25	20	21	20	13		
14	54	37	46	8	34	40	19	0	RA BR HZ			0.0	0.01	29.09	29.90	5.2	35	9.9	20	24	16	02	14		
15	37	33	35	-2	26	32	30	0	SN			T	T	29.33	30.15	10.6	02	11.0	21	01	17	02	15		
16	38	23	31	-6	20	27	34	0	SN			T	T	29.40	30.23	6.9	03	7.9	17	34	14	03	16		
17	39	21	30	-7	20	25	35	0	BR FU			0.0	0.00	29.29	30.12	3.3	34	4.6	13	30	10	01	17		
18	41	20	31	-5	27	31	34	0	RA BR HZ FU			0.0	0.12	29.20	30.02	4.0	17	6.9	21	16	17	16	18		
19	55	28	42	6	31	36	23	0	BR			0.0	0.00	29.22	30.04	6.3	23	7.1	22	23	18	24	19		
20	51	30	41	6	34	37	24	0	BR FU			0.0	0.00	29.16	29.96	2.1	20	3.3	12	13	10	13	20		
21	39	31	35	0	29	33	30	0	RA SN BR			T	0.11	29.08	29.89	11.0	35	11.2	32	01	25	35	21		
22	38	25	32	-2	23	29	33	0	SN			T	T	29.27	30.09	6.7	34	8.7	21	33	17	01	22		
23	47	29	38	4	26	33	27	0				0.0	0.00	29.16	29.97	8.2	26	11.2	26	28	22	29	23		
24	37	22	30	-3	21	28	35	0	SN FZFG BR			2.7	0.09	29.37	30.19	8.0	32	8.7	17	31	14	32	24		
25	27	14	21	-12	14	19	44	0	BR			0.0	0.00	29.55	30.39	5.1	32	5.4	18	34	16	31	25		
26	28	14	21	-11	16	20	44	0	BR			0.0	0.00	29.58	30.42	4.2	35	5.3	12	01	10	02	26		
27	29	10*	20*	-12	13	18	45	0	HZ			0.0	T	29.55	30.39	3.7	27	4.5	18	28	14	29	27		
28	37	12	25	-6	19	24	40	0	BR HZ			0.0	0.00	29.28	30.11	8.6	22	8.9	26	22	21	23	28		
29	45	35	40	9	27	35	25	0				0.0	0.00	28.73	29.53	15.7	25	16.4	30	28	24	26	29		
30	40	13	27	-3	12	21	38	0	SN BR			T	T	29.10	29.92	16.8	32	17.4	37*	33	32*	29	30		
44.2 26.8 35.5 ■■										< MONTHLY AVERAGES TOTALS->				2.7	0.46	29.20	30.01	3.8	27	9.0	<- MONTHLY AVERAGES				
-1.3 -2.2 -1.7 ■■										<-----DEPARTURE FROM NORMAL----->						-2.17	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.12 DATE :18				SEA LEVEL PRESSURE DATE TIME												
MONTHLY TOTAL DEPARTURE 876 44 1471 40									GREATEST 24-HR SNOWFALL: 2.7 DATE :24				MAXIMUM : 30.46 25 2254												
SEASON TO DATE TOTAL DEPARTURE 990 222									GREATEST SNOW DEPTH: DATE :				MINIMUM : 29.25 10 0254												
HEATING: 876 44 1471 40									NUMBER OF DAYS WITH → MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 21				PRECIPITATION ≥ 0.01 INCH : 6								
COOLING: 0 0 990 222									MAXIMUM TEMP ≤ 32 : 3				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 3								
									THUNDERSTORMS : 0				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH : 1								

NOVEMBER 2002  
ROCKFORD, IL

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

NOVEMBER 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			0.00
02													02												02			0.00
03													03												03			0.00
04													04												04			0.00
05								T	T	0.02	0.02	0.04	05	0.01	0.01	0.01	T								05			0.11
06													06												06			0.00
07													07												07			0.00
08													08												08			0.00
09													09									T	T		09			T
10										0.01	0.01	T	10												10			0.02
11								T	T				11							T	T	T	T		11			T
12													12												12			0.00
13													13												13			0.00
14													14			T	0.01	T							14			0.01
15										T	T		15	T	T										15			T
16													16												16			
17													17												17	0.00		0.00
18													18												18			0.12
19													19						0.02	0.05	0.02	0.03	T	T	19			0.00
20													20												20			0.00
21													21	0.01	T										21	0.10		0.11
22		T	T		T	T	T	T	0.03	0.02	0.02	0.02	22												22			T
23													23												23			0.00
24													24			T	0.02	0.02	0.03	T	T				24	0.07		0.09
25													25												25			0.00
26													26												26			0.00
27		T											27												27			T
28													28												28			0.00
29													29												29			0.00
30			T	0.02	T	T					T	T	30			T	T								30	0.02		T

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.02	.02	.03	.03	.04	.05	.05	.06	.07	.08	.10	.11
Ending Date	30	30	21	21	21	21	21	18	18	18	18	18
Ending Time (Hour/Min)	0347	0347	0849	0900	0900	0912	0912	1951	2108	2131	2108	2131

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.



## OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

NOVEMBER 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		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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0629		NOV 01			SUNSET: 1650									SUNRISE: 0637		NOV 07			SUNSET: 1643					
03	CLR	NC		10.00		25	19	23	78	8	29	29.44	30.26	03	CLR	NC		2.00	BR	27	25	26	92	0	00	29.31	30.13
06	CLR	NC		10.00		23	19	22	85	9	29	29.47	30.30	06	CLR	NC		2.00	BR	26	24	25	92	0	00	29.30	30.12
09	FEW	NC		10.00		28	19	25	69	15	32	29.51	30.34	09	FEW	NC		3.00	HZ	36	31	34	82	8	16	29.27	30.09
12	CLR	NC		10.00		35	18	29	50	17	27	29.48	30.30	12	FEW	NC		8.00		52	31	43	45	13	22	29.19	30.01
15	CLR	NC		10.00		39	14	31	36	15	27	29.43	30.25	15	CLR	NC		10.00		60	38	49	44	20	21	29.06	29.86
18	CLR	NC		10.00		33	17	28	52	10	26	29.43	30.26	18	CLR	NC		10.00		52	33	43	49	15	20	29.01	29.81
21	CLR	NC		10.00		30	18	26	61	6	25	29.42	30.24	21	CLR	NC		10.00		50	31	42	48	14	20	28.97	29.77
24	FEW	NC		10.00		29	18	25	64	12	26	29.37	30.20	24	CLR	NC		10.00		52	35	44	53	15	20	28.93	29.72
			SUNRISE: 0631		NOV 02			SUNSET: 1649									SUNRISE: 0638		NOV 08			SUNSET: 1642					
03	FEW	NC		10.00		27	20	25	75	6	25	29.34	30.16	03	FEW	NC		10.00		50	36	44	59	17	21	28.90	29.69
06	FEW	NC		10.00		26	20	24	78	5	27	29.32	30.15	06	FEW	NC		10.00		47	36	42	66	12	20	28.88	29.68
09	FEW	NC		10.00		33	20	29	59	16	30	29.35	30.17	09	BKN	250		10.00		51	37	45	59	18	20	28.91	29.70
12	CLR	NC		10.00		44	22	36	41	13	29	29.30	30.12	12	BKN	250		10.00		60	39	50	46	18	21	28.85	29.64
15	FEW	NC		10.00		47	21	37	36	10	27	29.28	30.10	15	BKN	250		10.00		62	40	51	44	14	19	28.80	29.59
18	FEW	NC		10.00		37	23	32	57	3	24	29.31	30.13	18	BKN	250		10.00		55	41	48	59	13	18	28.81	29.60
21	CLR	NC		10.00		33	24	30	70	0	00	29.33	30.15	21	BKN	200		10.00		52	39	46	61	10	17	28.80	29.59
24	CLR	NC		10.00		27	21	25	78	5	16	29.32	30.14	24	OVC	070		10.00		52	39	46	61	14	18	28.78	29.57
			SUNRISE: 0632		NOV 03			SUNSET: 1648									SUNRISE: 0639		NOV 09			SUNSET: 1641					
03	CLR	NC		8.00		25	22	24	88	5	17	29.30	30.12	03	CLR	NC		10.00		46	41	44	83	13	18	28.77	29.55
06	FEW	NC		8.00		24	21	23	88	6	17	29.29	30.12	06	BKN	120		10.00		48	44	46	86	12	17	28.75	29.54
09	OVC	150		10.00		30	25	28	82	3	20	29.30	30.13	09	SCT	NC		9.00		54	49	51	83	15	19	28.75	29.54
12	BKN	070		10.00		43	28	37	56	13	22	29.25	30.07	12	OVC	250		10.00		64	52	57	65	20	20	28.69	29.47
15	OVC	055		10.00		42	28	36	58	10	24	29.20	30.02	15	OVC	029		7.00		62	53	57	73	17	18	28.64	29.42
18	OVC	050		10.00		40	30	36	68	7	23	29.20	30.03	18	OVC	043		7.00		60	53	56	78	18	17	28.61	29.39
21	OVC	038		9.00		39	31	36	73	7	24	29.20	30.02	21	OVC	047		6.00	-RA BR	59	55	57	87	12	18	28.58	29.35
24	CLR	NC		6.00	BR	35	31	33	85	7	24	29.19	30.01	24	SCT	NC		7.00		58	54	56	87	9	20	28.51	29.28
			SUNRISE: 0633		NOV 04			SUNSET: 1647									SUNRISE: 0641		NOV 10			SUNSET: 1640					
03	CLR	NC		6.00	BR	31	27	29	85	8	30	29.22	30.04	03	OVC	019		5.00	BR	56	54	55	93	5	20	28.47	29.25
06	CLR	NC		6.00	BR	27	23	26	85	8	33	29.28	30.10	06	BKN	011		2.00	BR	52	52	52	100	7	18	28.50	29.27
09	CLR	NC		9.00		34	26	31	73	10	36	29.35	30.16	09	OVC	005		2.50	BR	54	52	53	93	5	24	28.52	29.30
12	SCT	NC		10.00		41	25	35	53	7	VR	29.35	30.17	12	OVC	007		3.00	BR	53	51	52	93	9	26	28.58	29.36
15	SCT	NC		10.00		43	25	36	49	0	00	29.30	30.12	15	OVC	130		2.50	HZ	56	50	53	81	8	30	28.58	29.36
18	CLR	NC		8.00		35	25	31	67	0	00	29.32	30.14	18	CLR	NC		10.00		52	45	48	77	5	26	28.66	29.44
21	CLR	NC		8.00		34	27	31	76	8	12	29.29	30.11	21	BKN	039		10.00		39	32	36	76	10	28	28.75	29.55
24	FEW	NC		6.00	BR	34	30	32	85	7	14	29.27	30.09	24	OVC	025		9.00		37	31	35	79	7	26	28.79	29.59
			SUNRISE: 0634		NOV 05			SUNSET: 1645									SUNRISE: 0642		NOV 11			SUNSET: 1639					
03	OVC	026		4.00	BR	35	31	33	85	9	12	29.19	30.01	03	OVC	015		10.00		38	32	35	79	15	27	28.84	29.64
06	OVC	026		4.00	BR	36	32	34	86	6	16	29.16	29.98	06	OVC	016		9.00		36	32	34	86	13	26	28.92	29.72
09	BKN	029		2.50	-RA BR	38	34	36	86	9	15	29.06	29.87	09	OVC	005		7.00		37	35	36	93	0	00	29.04	29.84
12	OVC	007		2.50	-RA BR	36	34	35	93	3	15	29.00	29.81	12	OVC	011		7.00		39	36	38	89	9	35	29.14	29.96
15	OVC	009		4.00	-RA BR	38	35	37	89	5	35	28.94	29.75	15	OVC	018		10.00		40	33	37	77	8	33	29.24	30.05
18	OVC	011		7.00		38	35	37	89	7	33	28.96	29.77	18	OVC	016		10.00		39	33	37	79	6	35	29.31	30.13
21	OVC	014		5.00	BR	38	35	37	89	8	32	28.99	29.80	21	OVC	031		6.00	-DZ BR	38	35	37	89	0	00	29.37	30.19
24	OVC	014		6.00	BR	37	33	35	86	12	30	29.03	29.83	24	OVC	029		10.00		37	34	36	89	5	35	29.40	30.21
			SUNRISE: 0636		NOV 06			SUNSET: 1644									SUNRISE: 0643		NOV 12			SUNSET: 1638					
03	OVC	014		6.00	HZ	36	31	34	82	10	32	29.07	29.88	03	OVC	027		10.00		37	30	34	76	6	28	29.43	30.24
06	OVC	015		5.00	BR	36	32	34	86	6	28	29.12	29.93	06	OVC	034		9.00		35	28	32	76	5	29	29.43	30.25
09	OVC	019		5.00	HZ	38	32	36	79	13	29	29.17	29.98	09	BKN	030		7.00		35	27	32	72	6	28	29.44	30.26
12	OVC	024		7.00		40	31	36	70	15	28	29.19	30.00	12	FEW	NC		9.00		39	25	34	57	12	26	29.40	30.22
15	SCT	NC		7.00		42	31	37	65	14	26	29.19	30.01	15	FEW	NC		10.00		43	25	36	49	10	24	29.34	30.16
18	CLR	NC		9.00		37	31	35	79	3	22	29.24	30.06	18	CLR	NC		10.00		35	26	32	70	7	19	29.33	30.15
21	BKN	041		7.00		34	31	33	89	5	20	29.26	30.08	21	CLR	NC		10.00		33	26	30	75	6	19	29.33	30.15
24	FEW	NC		4.00	BR	30	28	29	92	0	00	29.31	30.13	24	CLR	NC		10.00		38	30	35	73	7	22	29.30	30.12

## OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

NOVEMBER 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: 0644 NOV 13 SUNSET: 1637						SUNRISE: 0652 NOV 19 SUNSET: 1632																							
03	BKN	060			9.00	34	30	32	85	3	18	29.29	30.11	03	SCT	NC			5.00	BR	33	32	33	96	5	26	29.20	30.02	
06	BKN	150			8.00	32	29	31	88	0	00	29.31	30.13	06	CLR	NC			4.00	BR	28	26	27	92	0	00	29.22	30.04	
09	FEW	NC			9.00	37	32	35	82	0	00	29.32	30.14	09	FEW	NC			9.00		36	30	34	79	9	22	29.25	30.07	
12	FEW	NC			9.00	52	35	44	53	10	20	29.24	30.05	12	SCT	NC			10.00		48	33	41	56	12	23	29.22	30.03	
15	OVC	150			10.00	57	33	46	41	18	20	29.14	29.95	15	OVC	250			10.00		52	35	44	53	12	23	29.18	29.99	
18	OVC	100			10.00	52	34	44	50	15	19	29.08	29.89	18	BKN	250			10.00		47	33	41	59	10	24	29.21	30.03	
21	BKN	080			10.00	54	32	44	43	17	21	29.06	29.86	21	CLR	NC			10.00		41	32	37	70	6	22	29.24	30.06	
24	OVC	075			10.00	54	32	44	43	14	23	29.05	29.85	24	CLR	NC			10.00		33	30	32	89	0	00	29.23	30.05	
SUNRISE: 0646 NOV 14 SUNSET: 1636						SUNRISE: 0653 NOV 20 SUNSET: 1631																							
03	BKN	120			10.00	50	33	42	52	10	22	29.03	29.82	03	BKN	110			9.00		31	28	30	89	3	14	29.21	30.03	
06	BKN	110			10.00	47	35	42	63	6	26	29.05	29.85	06	OVC	100			9.00		33	31	32	92	6	13	29.20	30.01	
09	OVC	150			10.00	47	35	42	63	9	30	29.10	29.89	09	BKN	080			10.00		40	35	38	83	3	30	29.19	30.00	
12	OVC	150			10.00	48	36	43	63	10	36	29.08	29.88	12	OVC	150			10.00		48	36	43	63	5	25	29.15	29.96	
15	OVC	042			5.00	-RA HZ	43	36	40	76	13	02	29.10	29.90	15	OVC	095			10.00		51	36	44	56	6	26	29.11	29.92
18	OVC	027			7.00		40	33	37	77	14	02	29.12	29.93	18	CLR	NC			10.00		41	35	38	79	0	00	29.12	29.94
21	OVC	019			7.00		38	32	36	79	10	01	29.15	29.96	21	OVC	110			10.00		41	35	38	79	3	20	29.12	29.92
24	OVC	019			7.00		37	31	35	79	10	02	29.18	29.99	24	CLR	NC			8.00		35	32	34	89	3	19	29.08	29.88
SUNRISE: 0647 NOV 15 SUNSET: 1635						SUNRISE: 0654 NOV 21 SUNSET: 1630																							
03	OVC	016			8.00	36	30	34	79	14	03	29.21	30.02	03	OVC	250			5.00	BR	35	32	34	89	5	35	29.02	29.82	
06	OVC	025			10.00	34	26	31	73	13	02	29.24	30.06	06	OVC	009			6.00	BR	36	33	35	89	9	35	29.00	29.80	
09	OVC	045			8.00	-SN	34	25	31	70	13	02	29.30	30.12	09	OVC	005			0.75	-SN BR	33	32	33	96	12	35	29.01	29.82
12	OVC	018			10.00		35	25	31	67	12	01	29.34	30.16	12	OVC	009			2.00	-SN BR	34	32	33	92	17	36	29.03	29.84
15	OVC	050			10.00		36	26	32	67	12	02	29.35	30.17	15	OVC	040			10.00		38	25	33	60	18	36	29.10	29.90
18	OVC	034			10.00		37	25	32	62	10	04	29.40	30.22	18	BKN	050			10.00		37	25	32	62	13	34	29.17	29.98
21	OVC	055			10.00		35	25	31	67	10	05	29.43	30.24	21	OVC	060			10.00		35	26	32	70	12	33	29.19	30.01
24	OVC	065			10.00		34	25	31	70	9	04	29.44	30.26	24	OVC	060			10.00		35	26	32	70	9	33	29.20	30.02
SUNRISE: 0648 NOV 16 SUNSET: 1634						SUNRISE: 0655 NOV 22 SUNSET: 1630																							
03	OVC	070			10.00	33	22	29	64	9	02	29.43	30.25	03	OVC	031			9.00	-SN	34	26	31	73	13	33	29.22	30.04	
06	OVC	070			10.00	31	21	28	67	9	04	29.44	30.27	06	OVC	026			9.00	-SN	32	24	29	73	13	34	29.26	30.08	
09	BKN	070			10.00	33	22	29	64	8	05	29.45	30.27	09	SCT	NC			10.00		32	24	29	73	14	33	29.30	30.12	
12	OVC	040			10.00	35	21	30	57	7	06	29.43	30.24	12	BKN	032			10.00		36	22	31	57	13	35	29.29	30.11	
15	BKN	049			10.00	37	16	30	42	8	02	29.37	30.19	15	FEW	NC			10.00		36	21	31	55	9	29	29.29	30.11	
18	BKN	150			9.00		29	15	25	56	7	35	29.37	30.19	18	CLR	NC			10.00		30	21	27	69	0	00	29.30	30.12
21	CLR	NC			10.00		27	19	24	72	6	01	29.37	30.19	21	FEW	NC			8.00		26	21	24	81	0	00	29.28	30.10
24	CLR	NC			10.00		23	19	22	85	6	34	29.33	30.16	24	BKN	250			10.00		29	24	27	82	8	17	29.23	30.06
SUNRISE: 0649 NOV 17 SUNSET: 1633						SUNRISE: 0656 NOV 23 SUNSET: 1629																							
03	FEW	NC			10.00	22	19	21	89	8	34	29.31	30.13	03	OVC	080			10.00		32	25	29	75	8	19	29.19	30.01	
06	OVC	046			7.00		24	21	23	88	9	36	29.31	30.14	06	OVC	090			10.00		34	25	31	70	12	19	29.12	29.94
09	CLR	NC			9.00		27	23	26	85	8	01	29.31	30.14	09	FEW	NC			10.00		36	26	32	67	13	22	29.11	29.93
12	SCT	NC			10.00		36	23	31	59	0	00	29.28	30.11	12	SCT	NC			10.00		44	29	38	55	13	28	29.09	29.90
15	BKN	038			10.00		37	20	31	50	8	28	29.25	30.08	15	CLR	NC			10.00		46	26	38	46	18	30	29.11	29.92
18	CLR	NC			10.00		30	19	26	64	0	00	29.27	30.09	18	FEW	NC			10.00		37	27	33	67	8	27	29.17	29.98
21	CLR	NC			8.00		22	18	21	85	0	00	29.29	30.12	21	FEW	NC			10.00		36	25	32	64	12	29	29.23	30.04
24	CLR	NC			4.00	BR	23	19	22	85	0	00	29.27	30.10	24	OVC	250			10.00		37	24	32	60	8	28	29.25	30.06
SUNRISE: 0650 NOV 18 SUNSET: 1633						SUNRISE: 0658 NOV 24 SUNSET: 1629																							
03	SCT	NC			5.00	BR	21	18	20	88	3	16	29.27	30.09	03	OVC	110			10.00		36	24	32	62	10	29	29.28	30.10
06	SCT	NC			9.00		27	21	25	78	8	14	29.25	30.07	06	OVC	100			10.00		35	22	30	59	10	32	29.31	30.13
09	OVC	150			6.00	HZ	32	25	29	75	14	16	29.23	30.05	09	OVC	090			10.00		34	20	29	56	8	35	29.36	30.18
12	OVC	150			6.00	HZ	39	30	35	70	12	16	29.20	30.03	12	OVC	110			10.00		34	18	29	52	9	36	29.36	30.18
15	OVC	085			6.00	HZ	41	31	37	67	12	15	29.14	29.96	15	OVC	027			2.00	-SN	29	23	27	78	9	34	29.38	30.20
18	OVC	065			6.00	FU	40	31	36	70	0	00	29.15	29.97	18	VV	005			0.75	-SN BR	27							

## OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

NOVEMBER 2002

RFD

WBAN # 94822

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
				OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
03	CLR	NC				10.00		19	13	17	77	8	32	29.48	30.31
06	CLR	NC				10.00		15	11	14	84	0	00	29.50	30.34
09	FEW	NC				10.00		21	15	19	78	8	32	29.56	30.39
12	SCT	NC				10.00		26	16	23	66	10	34	29.56	30.39
15	BKN	250				10.00		26	17	23	69	6	31	29.55	30.38
18	SCT	NC				10.00		22	16	20	78	0	00	29.58	30.42
21	CLR	NC				6.00	BR	17	14	16	88	0	00	29.60	30.45
24	CLR	NC				8.00		16	13	15	88	5	01	29.60	30.44
SUNRISE: 0659 NOV 25 SUNSET: 1628															
03	SCT	NC				6.00	BR	15	12	14	88	0	00	29.61	30.45
06	BKN	250				10.00		18	14	17	84	8	01	29.58	30.43
09	OVC	150				7.00		21	16	20	81	7	01	29.60	30.45
12	OVC	150				8.00		24	18	22	77	3	28	29.58	30.42
15	OVC	200				10.00		28	21	26	75	7	32	29.56	30.40
18	FEW	NC				10.00		24	19	22	81	3	25	29.56	30.40
21	CLR	NC				10.00		19	13	17	77	6	34	29.57	30.42
24	CLR	NC				10.00		19	13	17	77	3	01	29.57	30.41
SUNRISE: 0660 NOV 26 SUNSET: 1627															
03	CLR	NC				10.00		17	10	15	74	6	32	29.57	30.41
06	CLR	NC				10.00		13	10	12	88	0	00	29.57	30.42
09	FEW	NC				10.00		18	13	17	81	0	00	29.59	30.43
12	SCT	NC				10.00		27	17	24	66	10	28	29.57	30.40
15	BKN	035				10.00		27	15	23	61	8	30	29.52	30.36
18	BKN	250				10.00		23	13	20	65	3	24	29.51	30.35
21	OVC	150				9.00		20	15	19	81	5	23	29.52	30.36
24	CLR	NC				6.00	HZ	18	12	16	77	3	22	29.49	30.33
SUNRISE: 0701 NOV 27 SUNSET: 1627															
03	CLR	NC				10.00		17	10	15	74	6	32	29.57	30.41
06	CLR	NC				10.00		13	10	12	88	0	00	29.57	30.42
09	FEW	NC				10.00		18	13	17	81	0	00	29.59	30.43
12	SCT	NC				10.00		27	17	24	66	10	28	29.57	30.40
15	BKN	035				10.00		27	15	23	61	8	30	29.52	30.36
18	BKN	250				10.00		23	13	20	65	3	24	29.51	30.35
21	OVC	150				9.00		20	15	19	81	5	23	29.52	30.36
24	CLR	NC				6.00	HZ	18	12	16	77	3	22	29.49	30.33
SUNRISE: 0702 NOV 28 SUNSET: 1627															
03	CLR	NC				5.00	BR	15	11	14	84	0	00	29.46	30.29
06	CLR	NC				5.00	BR	13	10	12	88	0	00	29.44	30.28
09	OVC	030				4.00	BR	22	18	21	85	7	19	29.40	30.23
12	FEW	NC				6.00	HZ	31	24	28	76	13	22	29.32	30.15
15	SCT	NC				9.00		36	26	32	67	15	23	29.24	30.07
18	BKN	250				9.00		32	23	29	69	9	24	29.19	30.02
21	BKN	250				10.00		32	22	28	66	12	21	29.08	29.90
24	SCT	NC				10.00		36	23	31	59	16	22	28.94	29.75
SUNRISE: 0703 NOV 29 SUNSET: 1626															
03	BKN	180				10.00		39	26	34	60	20	23	28.76	29.56
06	SCT	NC				10.00		38	29	34	70	15	25	28.73	29.54
09	SCT	NC				10.00		43	31	38	63	16	27	28.71	29.52
12	OVC	150				10.00		43	30	38	60	13	25	28.70	29.50
15	OVC	150				10.00		45	29	38	54	21	26	28.71	29.51
18	SCT	NC				10.00		40	26	34	58	16	26	28.73	29.53
21	OVC	070				10.00		41	25	35	53	16	26	28.73	29.53
24	OVC	085				10.00		40	25	34	55	15	28	28.72	29.52
SUNRISE: 0704 NOV 30 SUNSET: 1626															
03	OVC	040				3.00	-SN	32	26	30	79	21	31	28.77	29.57
06	OVC	075				9.00		26	17	23	69	22	32	28.93	29.74
09	FEW	NC				10.00		25	12	21	58	21	32	29.05	29.86
12	OVC	047				10.00		27	11	22	51	20	30	29.12	29.93
15	OVC	045				10.00		24	11	20	57	18	32	29.18	30.01
18	FEW	NC				10.00		20	7	17	57	12	31	29.27	30.10
21	CLR	NC				10.00		17	1	13	49	14	33	29.34	30.17
24	CLR	NC				10.00		13	1	10	59	6	29	29.35	30.19

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

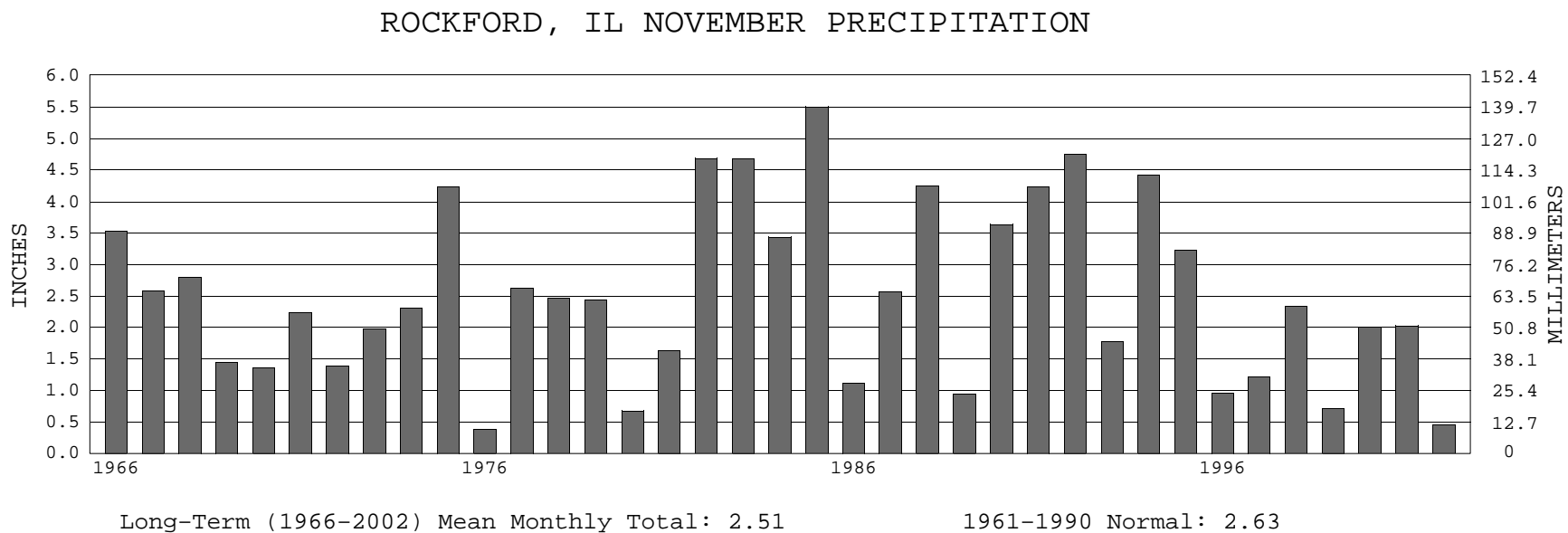
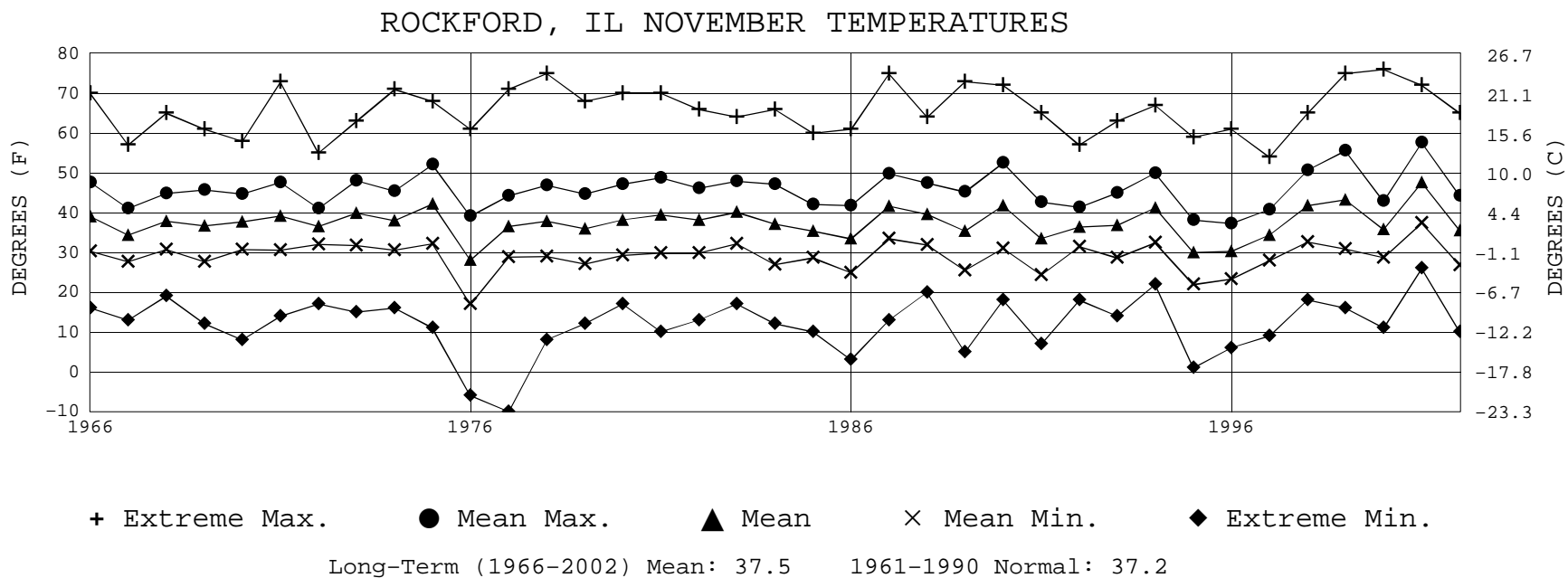
SUMMARY BY HOUR

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 Visibilty = 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	
	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			33	27	31	78	29.19	30.00	8.23	8	4	27
02			33	26	30	78	29.19	30.00	7.99	8	4	27
03			32	26	30	79	29.19	30.00	7.83	8	4	27
04			32	26	30	79	29.19	30.00	7.82	8	3	28
05			32	26	29	80	29.19	30.01	7.90	9	3	28
06			31	26	29	81	29.20	30.01	8.03	8	2	29
07			31	26	29	82	29.20	30.02	7.58	8	3	29
08			32	26	30	80	29.21	30.03	7.20	9	3	29
09			35	27	32	76	29.22	30.03	7.92	10	4	29
10			37	28	34	71	29.22	30.04	8.18	10	4	30
11			39	28	35	67	29.22	30.03	8.48	11	5	28
12			40	28	36	63	29.20	30.01	8.58	11	6	27
13			41	28	36	61	29.18	30.00	8.90	12	6	27
14			42	28	36	59	29.18	29.99	8.95	12	7	27
15			42	28	36	59	29.18	29.99	8.75	12	6	27
16			41	28	36	61	29.18	29.99	8.78	10	5	27
17			39	27	35	64	29.19	30.00	9.13	8	3	26
18			37	27	33	68	29.19	30.01	9.09	7	3	25
19			36	27	33	72	29.20	30.02	8.53	7	3	24
20			35	27	32	73	29.20	30.02	8.40	8	3	24
21			35	26	32	73	29.20	30.02	8.73	8	3	26
22			34	26	31	75	29.20	30.02	8.40	8	3	26
23			33	26	31	76	29.20	30.01	8.33	8	4	25
24			33	26	31	76	29.19	30.01	8.53	8	3	25

## 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			33	27	31	78	29.19	30.00	8.23	8	4	27
02			33	26	30	78	29.19	30.00	7.99	8	4	27
03			32	26	30	79	29.19	30.00	7.83	8	4	27
04			32	26	30	79	29.19	30.00	7.82	8	3	28
05			32	26	29	80	29.19	30.01	7.90	9	3	28
06			31	26	29	81	29.20	30.01	8.03	8	2	29
07			31	26	29	82	29.20	30.02	7.58	8	3	29
08			32	26	30	80	29.21	30.03	7.20	9	3	29
09			35	27	32	76	29.22	30.03	7.92	10	4	29
10			37	28	34	71	29.22	30.04	8.18	10	4	30
11			39	28	35	67	29.22	30.03	8.48	11	5	28
12			40	28	36	63	29.20	30.01	8.58	11	6	27
13			41	28	36	61	29.18	30.00	8.90	12	6	27
14			42	28	36	59	29.18	29.99	8.95	12	7	27
15			42	28	36	59	29.18	29.99	8.75	12	6	27
16			41	28	36	61	29.18	29.99	8.78	10	5	27
17			39	27	35	64	29.19	30.00	9.13	8	3	26
18			37	27	33	68	29.19	30.01	9.09	7	3	25
19			36	27	33	72	29.20	30.02	8.53	7	3	24
20			35	27	32	73	29.20	30.02	8.40	8	3	24
21			35	26	32	73	29.20	30.02	8.73	8	3	26
22			34	26	31	75	29.20	30.02	8.40	8	3	26
23			33	26	31	76	29.20	30.01	8.33	8	4	25
24			33	26	31	76	29.19	30.01	8.53	8	3	25





NOVEMBER 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.*

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