



OCTOBER 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	81*	63	72*	15	62	65	0	7	TS TSRA RA BR			0.0	0.27	29.16	29.94	5.9	21	8.7	23	22	20	23	01	
02	71	56	64	7	61	62	1	0	TSRA RA BR HZ			0.0	0.46	29.22	30.01	6.7	04	7.7	23	04	18	05	02	
03	60	54	57	1	55	56	8	0	RA DZ BR			0.0	0.04	29.21	30.00	8.2	08	9.2	21	06	17	05	03	
04	70	52	61	5	55	58	4	0	RA BR			0.0	0.59	28.85	29.63	9.3	24	15.0	48*	26	37*	26	04	
05	62	42	52	-4	40	47	13	0				0.0	0.00	29.33	30.13	3.4	24	7.1	16	28	14	30	05	
06	71	46	59	4	41	49	6	0	RA			0.0	T	29.15	29.95	11.6	25	17.4	41	29	32	29	06	
07	55	36	46	-9	31	40	19	0				0.0	0.00	29.41	30.22	1.7	27	5.8	22	30	17	31	07	
08	67	47	57	3	38	47	8	0				0.0	0.00	29.31	30.11	10.4	19	10.7	26	20	22	20	08	
09	67	48	58	4	47	51	7	0	BR			0.0	0.00	29.34	30.15	2.1	07	4.0	18	02	15	02	09	
10	72	50	61	7	50	54	4	0	FG BR HZ			0.0	0.00	29.35	30.15	2.3	11	3.7	17	23	10	20	10	
11	75	46	61	8	47	53	4	0	BR HZ			0.0	0.00	29.31	30.10	5.9	14	6.3	17	17	15	14	11	
12	70	43	57	4	49	52	8	0	RA BR HZ			0.0	0.01	29.29	30.09	4.7	29	9.7	28	33	23	29	12	
13	50	33	42	-10	24	34	23	0				0.0	0.00	29.60	30.42	8.1	30	9.6	25	32	21	31	13	
14	58	31	45	-7	26	36	20	0				0.0	0.00	29.40	30.21	8.7	18	9.0	28	17	24	17	14	
15	56	36	46	-6	32	39	19	0				0.0	0.00	29.18	29.98	6.7	34	8.9	25	33	20	31	15	
16	48	31	40	-11	23	33	25	0				0.0	0.00	29.25	30.07	6.1	36	6.9	23	34	18	02	16	
17	44	31	38	-13	34	37	27	0	RA DZ FG+ FZFG BR			0.0	0.06	29.19	30.00	5.6	22	6.0	18	21	16	21	17	
18	63	34	49	-1	40	45	16	0	RA FG+ BR			0.0	0.04	29.03	29.83	7.5	22	12.5	29	31	24	32	18	
19	48	28	38	-12	30	36	27	0				0.0	0.00	29.21	30.02	9.7	31	10.4	25	29	20	30	19	
20	50	26	38	-11	28	34	27	0	HZ			0.0	0.00	29.33	30.15	1.1	05	3.4	13	13	10	13	20	
21	55	34	45	-4	33	40	20	0	BR HZ			0.0	0.00	29.30	30.11	5.5	18	7.9	22	19	17	19	21	
22	47	36	42	-7	34	38	23	0	BR			0.0	0.00	29.48	30.30	10.7	34	11.1	21	35	16	34	22	
23	45	37	41	-7	33	37	24	0				0.0	0.00	29.63	30.45	11.5	03	11.5	21	05	16	05	23	
24	44	39	42	-6	38	40	23	0	RA DZ SN BR			T	0.16	29.52	30.34	7.4	08	8.0	15	09	13	08	24	
25	47	40	44	-3	41	43	21	0	RA BR			0.0	0.34	29.25	30.06	3.4	11	5.1	13	10	10	27	25	
26	49	37	43	-4	37	41	22	0	BR			0.0	0.00	29.31	30.12	6.6	30	7.4	21	35	17	34	26	
27	43	35	39	-7	29	36	26	0	RA BR			0.0	0.02	29.45	30.26	6.6	02	7.7	17	01	15	03	27	
28	48	34	41	-5	35	38	24	0	RA BR			0.0	0.05	29.35	30.17	8.7	06	9.4	20	08	15	06	28	
29	45	37	41	-4	33	39	24	0	RA			0.0	0.01	29.26	30.07	11.4	06	12.3	24	04	20	06	29	
30	50	35	43	-2	34	38	22	0				0.0	0.00	29.33	30.15	6.8	03	7.8	20	07	16	07	30	
31	41	26*	34*	-10	29	34	31	0				0.0	0.00	29.41	30.23	8.7	30	9.6	22	27	18	27	31	
56.5		39.5	48.0	■ ■	38.4	43.6	17.0	0.2	< MONTHLY AVERAGES		TOTALS->			T	2.05	29.30	30.11	1.0	33	8.7	<- MONTHLY AVERAGES			
-5.3		-.6	-3.0	■ ■	<-----DEPARTURE FROM NORMAL----->							-.52		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.73				DATE :01-02				SEA LEVEL PRESSURE				DATE TIME			
MONTHLY									GREATEST 24-HR SNOWFALL: T				DATE :24				MAXIMUM				23 0854			
TOTAL DEPARTURE									GREATEST SNOW DEPTH:				DATE :				MINIMUM				04 1354			
HEATING:		526		82		595		-4		NUMBER OF DAYS WITH ➔		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 6		PRECIPITATION ≥ 0.01 INCH :		12						
COOLING:		7		0		990		222				MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH :		5						
												THUNDERSTORMS : 2		HEAVY FOG : 2		SNOWFALL ≥ 1.0 INCH :		0						

OCTOBER 2002
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

OCTOBER 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			0.27	
02	0.08	0.26	T		T	0.06	0.02	0.01	T				02	0.02	T	T	0.04	0.02	0.03	T	0.10	0.08	T	T	02			0.46	
03	T	0.01	T	T	T	T	0.01	T	T	0.17	0.05	0.21	03									T	T	T	03			0.04	
04				T	T	T	0.04	0.12					04												04			0.59	
05												T	05											T	05			0.00	
06													06												06			T	
07								T	T				07												07			0.00	
08													08												08			0.00	
09													09												09			0.00	
10													10												10			0.00	
11													11												11			0.00	
12								T	T				12	T	0.01	T									12			0.01	
13												T	13												13			0.00	
14													14												14			0.00	
15													15												15			0.00	
16													16												16			0.00	
17												T	17	T	T	0.04	0.02								17			0.06	
18													18												18			0.04	
19			T	T	T	0.02	T	T	0.01		T	0.01	19												19			0.00	
20													20												20			0.00	
21													21												21			0.00	
22													22												22			0.00	
23													23												23			0.00	
24													24		T	T		T			0.01	0.01	0.03	0.04	24			0.16	
25	0.05	0.04	0.05	0.06	0.07	0.03	0.02	0.01	T	T	T	T	25			T				0.02					25			0.34	
26													26												26			0.00	
27													27									T	T	0.01	0.01	27			0.02
28	0.02	0.01	0.01	0.01	T	T	T		T	T			28												28			0.05	
29													29												29			0.01	
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)												
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
OCTOBER 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							2.00	10.00	
02							2.50	10.00	
03							2.00	10.00	
04							1.25	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							3.00	10.00	
10							.50	10.00	
11							4.00	10.00	
12							3.00	10.00	
13							10.00	10.00	
14							9.00	10.00	
15							10.00	10.00	
16							9.00	10.00	
17							.13	10.00	
18							.75	10.00	
19							8.00	10.00	
20							4.00	10.00	
21							6.00	10.00	
22							6.00	10.00	
23							10.00	10.00	
24							4.00	10.00	
25							2.00	5.00	
26							5.00	10.00	
27							6.00	10.00	
28							5.00	10.00	
29							7.00	10.00	
30							8.00	10.00	
31							7.00	10.00	
MONTHLY AVGS							5.75	9.84	
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									
1 9 13									

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

OCTOBER 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: 0553						OCT 01	SUNSET: 1738						SUNRISE: 0560						OCT 07	SUNSET: 1728									
03	CLR	NC			10.00	65	58	61	78	8	18	29.10	29.87	03	FEW	NC			10.00	39	35	37	86	6	29	29.40	30.20		
06	CLR	NC			10.00	63	59	61	87	9	18	29.12	29.91	06	FEW	NC			10.00	37	35	36	93	6	34	29.43	30.20		
09	SCT	NC			10.00	75	61	66	62	13	22	29.16	29.95	09	CLR	NC			10.00	46	25	38	44	9	33	29.47	30.29		
12	BKN	250			10.00	79	62	68	56	12	22	29.16	29.94	12	CLR	NC			10.00	50	24	40	36	0	00	29.48	30.28		
15	OVC	060			6.00	75	64	68	69	15	22	29.17	29.96	15	FEW	NC			10.00	55	26	43	33	5	VR	29.38	30.19		
18	OVC	110			6.00	69	66	67	90	0	00	29.18	29.98	18	CLR	NC			10.00	48	31	41	52	6	16	29.34	30.15		
21	OVC	070			10.00	66	63	64	90	0	00	29.20	29.98	21	FEW	NC			10.00	43	35	40	74	0	00	29.39	30.20		
24	OVC	070			10.00	65	63	64	93	5	04	29.20	29.99	24	OVC	095			10.00	47	35	42	63	10	17	29.37	30.18		
SUNRISE: 0554						OCT 02	SUNSET: 1736						SUNRISE: 0601						OCT 08	SUNSET: 1726									
03	FEW	NC			10.00	64	62	63	93	3	10	29.15	29.93	03	OVC	100			10.00	48	37	43	66	9	15	29.34	30.14		
06	OVC	005			3.00	65	64	64	97	0	00	29.21	30.00	06	CLR	NC			10.00	48	37	43	66	9	18	29.34	30.15		
09	OVC	005			3.00	66	65	65	96	5	33	29.26	30.05	09	SCT	NC			10.00	56	38	47	51	14	20	29.35	30.16		
12	OVC	013			7.00	70	65	67	84	5	36	29.24	30.03	12	FEW	NC			10.00	64	37	51	37	13	19	29.30	30.10		
15	OVC	006			3.00	66	65	65	96	10	06	29.20	29.99	15	SCT	NC			10.00	66	35	51	32	14	21	29.25	30.05		
18	OVC	008			8.00	60	57	58	90	13	05	29.19	29.98	18	SCT	NC			10.00	58	39	49	50	10	19	29.26	30.06		
21	OVC	014			10.00	57	53	55	87	13	06	29.24	30.04	21	CLR	NC			10.00	52	41	47	66	7	18	29.28	30.09		
24	OVC	008			10.00	56	53	54	90	15	04	29.27	30.06	24	CLR	NC			10.00	51	40	46	66	7	19	29.29	30.09		
SUNRISE: 0555						OCT 03	SUNSET: 1735						SUNRISE: 0602						OCT 09	SUNSET: 1724									
03	OVC	006			7.00	55	53	54	93	14	04	29.24	30.04	03	CLR	NC			10.00	48	42	45	80	6	17	29.29	30.09		
06	OVC	007			2.50	54	53	53	97	9	04	29.28	30.09	06	OVC	090			10.00	49	44	47	83	0	00	29.34	30.14		
09	OVC	008			9.00	55	52	53	90	12	05	29.29	30.09	09	SCT	NC			10.00	57	47	52	69	12	03	29.38	30.18		
12	OVC	008			8.00	58	55	56	90	12	11	29.25	30.05	12	FEW	NC			10.00	62	47	54	58	3	08	29.37	30.17		
15	OVC	008			8.00	59	56	57	90	6	10	29.21	30.01	15	FEW	NC			10.00	66	47	56	50	0	00	29.33	30.14		
18	OVC	008			6.00	59	57	58	93	7	10	29.15	29.95	18	CLR	NC			10.00	59	49	54	69	3	06	29.34	30.14		
21	BKN	007			6.00	59	57	58	93	6	10	29.12	29.91	21	CLR	NC			10.00	53	50	51	89	6	09	29.37	30.17		
24	OVC	070			5.00	60	58	59	93	8	12	29.00	29.79	24	OVC	003			3.00	51	49	50	92	5	10	29.36	30.16		
SUNRISE: 0557						OCT 04	SUNSET: 1733						SUNRISE: 0603						OCT 10	SUNSET: 1723									
03	OVC	180			5.00	65	63	64	93	7	15	28.88	29.67	03	VV	001			0.50	52	51	52	97	6	12	29.35	30.15		
06	OVC	085			7.00	69	67	68	93	14	17	28.79	29.57	06	OVC	003			2.50	52	51	52	97	6	13	29.37	30.18		
09	OVC	037			10.00	61	59	60	93	14	27	28.74	29.52	09	BKN	090			2.00	56	53	54	90	5	10	29.38	30.19		
12	OVC	090			10.00	63	60	61	90	10	19	28.66	29.44	12	BKN	100			10.00	70	47	57	44	7	21	29.36	30.15		
15	BKN	055			10.00	66	53	59	63	23	27	28.69	29.47	15	SCT	NC			10.00	69	52	59	55	6	36	29.31	30.11		
18	OVC	030			10.00	57	48	52	72	25	26	28.87	29.66	18	FEW	NC			10.00	64	52	57	65	5	05	29.31	30.11		
21	OVC	040			10.00	54	42	48	64	15	31	29.06	29.85	21	SCT	NC			8.00	55	50	52	83	0	00	29.34	30.14		
24	BKN	045			10.00	52	43	48	72	12	30	29.18	29.97	24	CLR	NC			8.00	54	48	51	80	0	00	29.34	30.14		
SUNRISE: 0558						OCT 05	SUNSET: 1731						SUNRISE: 0604						OCT 11	SUNSET: 1721									
03	CLR	NC			10.00	45	40	43	83	7	29	29.24	30.04	03	CLR	NC			7.00	50	46	48	86	3	14	29.34	30.14		
06	CLR	NC			10.00	42	39	41	89	6	27	29.32	30.12	06	FEW	NC			5.00	48	46	47	93	0	00	29.36	30.16		
09	CLR	NC			10.00	51	40	46	66	9	29	29.40	30.21	09	FEW	NC			8.00	61	46	53	58	7	14	29.37	30.17		
12	FEW	NC			10.00	57	36	47	45	6	VR	29.40	30.20	12	FEW	NC			10.00	72	44	57	37	10	18	29.32	30.12		
15	CLR	NC			10.00	61	37	49	41	7	19	29.36	30.16	15	SCT	NC			10.00	74	44	58	34	13	16	29.26	30.06		
18	SCT	NC			10.00	55	43	49	64	5	13	29.33	30.14	18	CLR	NC			10.00	65	50	57	59	7	11	29.25	30.05		
21	SCT	NC			10.00	55	42	49	62	7	15	29.33	30.13	21	CLR	NC			8.00	58	49	53	72	9	12	29.26	30.06		
24	OVC	150			10.00	54	41	48	62	9	16	29.29	30.09	24	CLR	NC			6.00	53	48	50	83	3	16	29.25	30.05		
SUNRISE: 0559						OCT 06	SUNSET: 1730						SUNRISE: 0606						OCT 12	SUNSET: 1720									
03	BKN	150			10.00	53	42	48	66	8	18	29.22	30.02	03	CLR	NC			5.00	53	49	51	86	5	18	29.24	30.03		
06	BKN	180			10.00	52	43	48	72	15	18	29.13	29.93	06	OVC	050			4.00	56	52	54	87	6	14	29.24	30.03		
09	OVC	100			10.00	58	45	51	62	20	20	29.11	29.90	09	OVC	065			6.00	65	58	61	78	10	18	29.23	30.02		
12	BKN	100			10.00	64	49	56	58	16	23	29.04	29.83	12	OVC	023			5.00	61	57	59	87	16	32	29.24	30.04		
15	BKN	065			10.00	68	48	57	49	28	29	29.01	29.79	15	OVC	060			10.00	55	53	54	93	3	26	29.26	30.06		
18	FEW	NC			10.00	54	31	44	42	28	29	29.14	29.95	18	OVC	033			10.00	52	46	49	80	18	33	29.33	30.14		
21	BKN	050			10.00	48	36	43	63	22	29	29.25	30.05	21	FEW	NC			10.00	48	42	45	80	9	30	29.40	30.20		
24	OVC	040			10.00	47	37	42	69	14	30	29.34	30.14	24	CLR	NC			10.00	44	33	39	65	14	31	29.47	30.28		

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

OCTOBER 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: 0607	OCT 13			SUNSET: 1718										SUNRISE: 0614	OCT 19			SUNSET: 1709								
03	CLR	NC			10.00		38	24	33	57	15	31	29.52	30.33	03	OVC	037			10.00	40	32	37	73	12	28	29.09	29.88			
06	FEW	NC			10.00		34	25	31	70	12	30	29.59	30.41	06	OVC	032			10.00	42	30	37	62	10	32	29.14	29.94			
09	CLR	NC			10.00		41	25	35	53	13	30	29.64	30.46	09	OVC	032			10.00	43	30	38	60	13	32	29.22	30.03			
12	CLR	NC			10.00		47	20	37	34	17	32	29.64	30.46	12	BKN	038			10.00	46	30	39	54	12	32	29.23	30.04			
15	CLR	NC			10.00		49	19	38	31	17	29	29.60	30.43	15	BKN	038			10.00	45	29	38	54	14	31	29.23	30.04			
18	CLR	NC			10.00		43	20	34	40	0	00	29.60	30.43	18	OVC	038			10.00	42	29	37	60	9	31	29.27	30.09			
21	CLR	NC			10.00		35	28	32	76	3	17	29.60	30.43	21	BKN	038			10.00	38	28	34	68	6	30	29.29	30.11			
24	CLR	NC			10.00		34	27	31	76	0	00	29.59	30.42	24	CLR	NC			8.00	29	25	28	85	0	00	29.28	30.10			
					SUNRISE: 0608	OCT 14			SUNSET: 1716										SUNRISE: 0615	OCT 20			SUNSET: 1707								
03	CLR	NC			10.00		33	25	30	72	0	00	29.58	30.40	03	CLR	NC			7.00	27	24	26	89	5	16	29.30	30.12			
06	CLR	NC			10.00		33	24	30	70	3	18	29.56	30.38	06	CLR	NC			7.00	26	24	25	92	0	00	29.33	30.15			
09	CLR	NC			10.00		47	25	38	42	13	21	29.53	30.34	09	CLR	NC			10.00	38	28	34	68	7	35	29.37	30.19			
12	CLR	NC			10.00		56	23	42	28	15	17	29.42	30.23	12	FEW	NC			10.00	47	27	39	46	7	34	29.34	30.16			
15	CLR	NC			10.00		57	23	43	27	20	19	29.30	30.11	15	SCT	NC			10.00	49	30	41	48	6	07	29.32	30.14			
18	CLR	NC			10.00		47	26	38	44	8	19	29.25	30.07	18	SCT	NC			7.00	42	31	37	65	3	12	29.33	30.15			
21	CLR	NC			10.00		39	26	34	60	5	15	29.23	30.04	21	SCT	NC			8.00	39	31	36	73	3	09	29.34	30.15			
24	CLR	NC			10.00		38	28	34	68	5	17	29.18	29.99	24	OVC	100			7.00	38	31	35	76	5	13	29.35	30.17			
					SUNRISE: 0609	OCT 15			SUNSET: 1715										SUNRISE: 0616	OCT 21			SUNSET: 1705								
03	CLR	NC			10.00		38	28	34	68	5	17	29.12	29.92	03	OVC	090			7.00	39	31	36	73	6	14	29.35	30.16			
06	CLR	NC			10.00		37	30	34	76	5	27	29.13	29.94	06	SCT	NC			7.00	36	30	34	79	3	13	29.35	30.17			
09	CLR	NC			10.00		49	31	41	50	15	34	29.16	29.97	09	SCT	NC			9.00	42	31	37	65	12	15	29.34	30.16			
12	FEW	NC			10.00		55	41	48	59	14	35	29.16	29.97	12	SCT	NC			10.00	50	31	42	48	13	19	29.29	30.10			
15	SCT	NC			10.00		55	36	46	49	13	33	29.16	29.97	15	BKN	100			10.00	55	34	45	45	13	20	29.22	30.03			
18	FEW	NC			10.00		46	30	39	54	6	33	29.21	30.02	18	OVC	055			10.00	52	33	43	49	3	17	29.23	30.04			
21	CLR	NC			10.00		42	31	37	65	7	35	29.22	30.03	21	CLR	NC			10.00	44	36	40	73	5	26	29.26	30.07			
24	CLR	NC			10.00		38	28	34	68	9	35	29.24	30.05	24	CLR	NC			6.00	41	37	39	86	7	33	29.31	30.12			
					SUNRISE: 0610	OCT 16			SUNSET: 1713										SUNRISE: 0617	OCT 22			SUNSET: 1704								
03	CLR	NC			10.00		35	27	32	72	9	36	29.25	30.06	03	OVC	012			8.00	40	35	38	83	14	32	29.37	30.17			
06	CLR	NC			10.00		32	25	29	75	6	02	29.27	30.09	06	OVC	012			10.00	36	34	35	93	10	33	29.43	30.24			
09	BKN	250			10.00		40	22	33	49	15	01	29.31	30.13	09	OVC	016			10.00	38	30	35	73	12	36	29.48	30.29			
12	BKN	250			10.00		45	20	36	37	9	32	29.27	30.09	12	SCT	NC			10.00	43	36	40	76	13	36	29.49	30.30			
15	FEW	NC			10.00		47	15	35	28	6	01	29.21	30.02	15	SCT	NC			10.00	47	36	42	66	13	34	29.50	30.31			
18	CLR	NC			10.00		40	17	32	40	6	33	29.22	30.04	18	OVC	025			10.00	41	33	38	74	9	34	29.54	30.36			
21	OVC	085			9.00		33	28	31	82	3	14	29.23	30.05	21	OVC	019			10.00	40	34	37	79	10	34	29.57	30.39			
24	OVC	060			10.00		37	25	32	62	0	00	29.21	30.02	24	OVC	013			10.00	37	32	35	82	13	36	29.60	30.42			
					SUNRISE: 0611	OCT 17			SUNSET: 1712										SUNRISE: 0618	OCT 23			SUNSET: 1703								
03	OVC	055			10.00		37	25	32	62	0	00	29.20	30.01	03	OVC	011			10.00	38	35	37	89	15	02	29.60	30.43			
06	OVC	070			10.00		38	31	35	76	9	21	29.19	30.01	06	OVC	085			10.00	37	34	36	89	13	01	29.64	30.47			
09	OVC	012			7.00		39	31	36	73	9	21	29.20	30.01	09	OVC	090			10.00	38	32	36	79	13	01	29.67	30.50			
12	OVC	017			7.00		42	40	41	92	8	22	29.18	29.99	12																
15	OVC	031			7.00	-RA	42	40	41	92	7	22	29.14	29.96	15	OVC	043			10.00	44	32	39	63	13	06	29.62	30.45			
18	OVC	025			9.00		41	40	41	96	7	28	29.16	29.98	18	OVC	049			10.00	43	31	38	63	9	06	29.62	30.45			
21	CLR	NC			9.00		36	35	36	97	0	00	29.19	30.01	21	OVC	049			10.00	40	32	37	73	9	04	29.62	30.44			
24	VV	001			0.13	FG	34	34	34	100	5	20	29.19	30.01	24	OVC	048			10.00	40	34	37	79	10	05	29.58	30.40			
					SUNRISE: 0612	OCT 18			SUNSET: 1710										SUNRISE: 0620	OCT 24			SUNSET: 1701								
03	OVC	060			2.00	-RA BR	39	39	39	100	6	16	29.17	29.98	03	OVC	026			8.00	40	37	39	89	8	03	29.58	30.40			
06	OVC	050			3.00	-RA BR	40	40	40	100	13	16	29.11	29.91	06	OVC	021			6.00	39	37	38	93	7	05	29.58	30.40			
09	OVC	070			8.00	-RA	43	41	42	93	16	17	29.04	29.85	09	OVC	026			5.00	41	39	40	93	8	05	29.58	30.41			
12	OVC	250			10.00		49	40	45	71	18	21	28.98	29.78	12	OVC	016			7.00	44	39	42	83	9						

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

OCTOBER 2002

RFD

WBAN # 94822

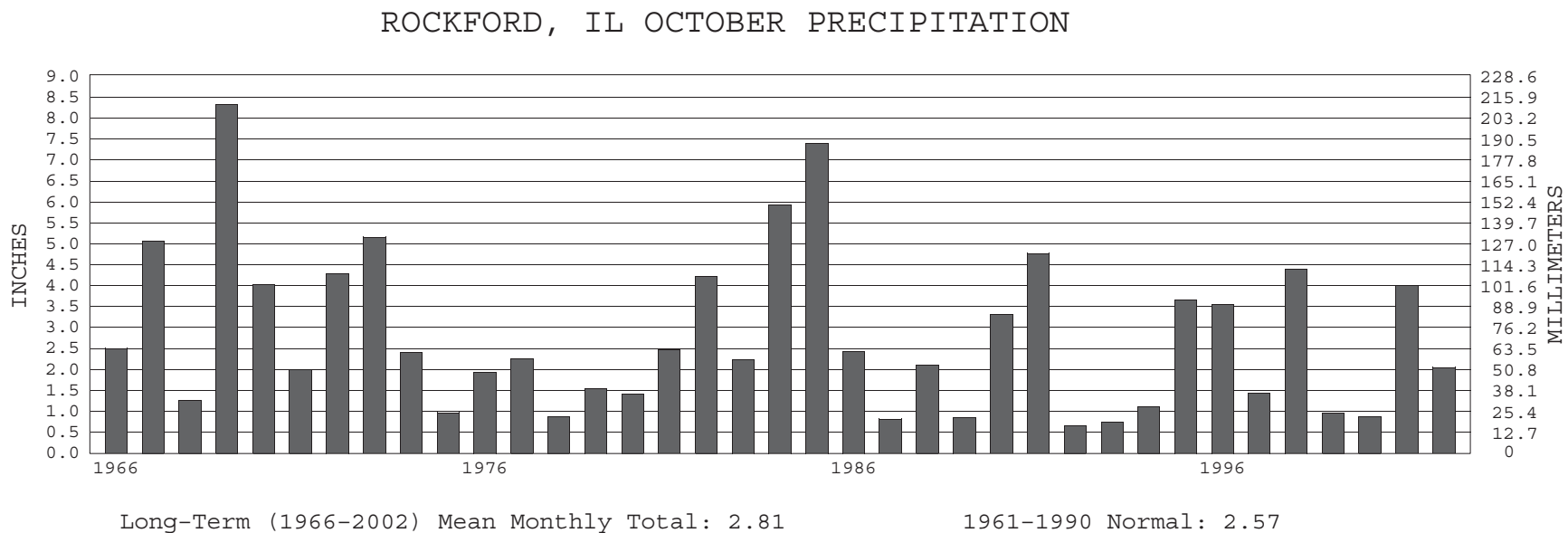
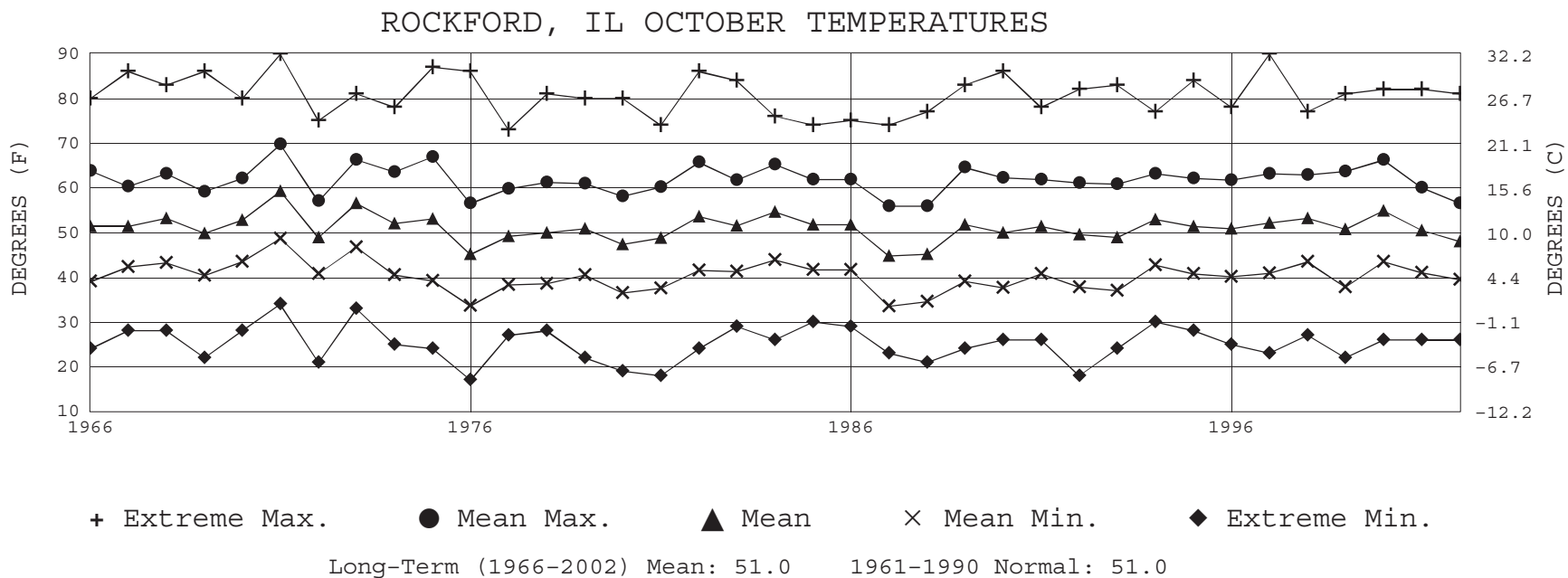
HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)																	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (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: 0621						OCT 25						SUNSET: 1660						SUNRISE: 0628						OCT 31						SUNSET: 1652													
03	OVC	026			4.00 -RA BR	40	38	39	93	6	VR	29.37	30.18	03	OVC	095			8.00	38	33	36	83	3	35	29.39	30.21	06	BKN	100			10.00	35	32	34	89	10	34	29.41	30.22		
09	OVC	009			4.00 -RA BR	40	39	40	97	6	11	29.33	30.15	06	BKN	100			10.00	35	32	34	89	10	34	29.41	30.22	09	SCT	NC			10.00	40	33	37	77	12	34	29.44	30.25		
12	OVC	025			4.00 BR	42	40	41	92	7	12	29.28	30.10	09	SCT	NC			10.00	40	33	37	77	12	34	29.44	30.25	12	OVC	022			9.00	40	31	36	70	14	29	29.44	30.26		
15	OVC	008			3.00 BR	46	42	44	86	7	10	29.21	30.02	12	OVC	022			9.00	40	31	36	70	14	29	29.44	30.26	15	BKN	250			10.00	41	36	39	82	14	26	29.38	30.20		
18	OVC	012			3.00 BR	47	43	45	86	5	09	29.17	29.98	15	BKN	250			10.00	41	36	39	82	14	26	29.38	30.20	18	BKN	250			10.00	34	23	30	64	10	30	29.39	30.22		
21	OVC	016			4.00 BR	47	43	45	86	0	00	29.16	29.98	18	BKN	250			10.00	34	23	30	64	10	30	29.39	30.22	21	BKN	250			10.00	31	22	28	69	13	28	29.43	30.25		
24	OVC	011			2.50 BR	45	44	45	97	0	00	29.17	29.98	21	BKN	250			10.00	31	22	28	69	13	28	29.43	30.25	24	CLR	NC			10.00	27	21	25	78	8	29	29.43	30.26		
24	OVC	005			2.00 BR	44	43	44	96	7	28	29.19	30.00	24	CLR	NC			10.00	27	21	25	78	8	29	29.43	30.26																
SUNRISE: 0622						OCT 26						SUNSET: 1658																															
03	OVC	008			7.00	44	42	43	93	7	29	29.21	30.02	03	OVC	008			7.00	44	42	43	93	7	29	29.21	30.02																
06	OVC	017			8.00	43	39	41	86	10	30	29.25	30.06	06	OVC	017			8.00	43	39	41	86	10	30	29.25	30.06																
09	OVC	025			10.00	43	37	40	80	6	VR	29.31	30.12	09	OVC	025			10.00	43	37	40	80	6	VR	29.31	30.12																
12	OVC	026			10.00	46	36	42	68	12	30	29.32	30.13	12	OVC	026			10.00	46	36	42	68	12	30	29.32	30.13																
15	BKN	032			10.00	48	34	42	58	7	28	29.30	30.11	15	BKN	032			10.00	48	34	42	58	7	28	29.30	30.11																
18	SCT	NC			10.00	42	35	39	76	3	21	29.34	30.15	18	SCT	NC			10.00	42	35	39	76	3	21	29.34	30.15																
21	OVC	040			10.00	42	34	39	73	6	32	29.36	30.18	21	OVC	040			10.00	42	34	39	73	6	32	29.36	30.18																
24	OVC	040			10.00	41	35	38	79	3	22	29.40	30.21	24	OVC	040			10.00	41	35	38	79	3	22	29.40	30.21																
SUNRISE: 0623						OCT 27						SUNSET: 1657																															
03	OVC	040			10.00	41	32	37	70	6	31	29.42	30.23	03	OVC	040			10.00	41	32	37	70	6	31	29.42	30.23																
06	OVC	036			10.00	39	30	35	70	12	01	29.45	30.27	06	OVC	036			10.00	39	30	35	70	12	01	29.45	30.27																
09	BKN	250			10.00	40	26	35	58	13	04	29.48	30.29	09	BKN	250			10.00	40	26	35	58	13	04	29.48	30.29																
12	OVC	250			10.00	42	25	35	51	7	02	29.48	30.29	12	OVC	250			10.00	42	25	35	51	7	02	29.48	30.29																
15	OVC	130			10.00	42	26	36	53	6	35	29.47	30.28	15	OVC	130			10.00	42	26	36	53	6	35	29.47	30.28																
18	OVC	060			10.00	41	27	35	57	7	04	29.45	30.27	18	OVC	060			10.00	41	27	35	57	7	04	29.45	30.27																
21	OVC	055			9.00 -RA	39	30	35	70	8	06	29.43	30.25	21	OVC	055			9.00 -RA	39	30	35	70	8	06	29.43	30.25																
24	OVC	050			9.00 -RA	36	34	35	93	9	03	29.39	30.21	24	OVC	050			9.00 -RA	36	34	35	93	9	03	29.39	30.21																
SUNRISE: 0624						OCT 28						SUNSET: 1655																															
03	OVC	021			5.00 -RA BR	35	33	34	93	9	03	29.42	30.24	03	OVC	021			5.00 -RA BR	35	33	34	93	9	03	29.42	30.24																
06	OVC	060			6.00 -RA BR	35	33	34	93	13	03	29.38	30.20	06	OVC	060			6.00 -RA BR	35	33	34	93	13	03	29.38	30.20																
09	OVC	095			7.00 -RA	38	34	36	86	9	05	29.38	30.20	09	OVC	095			7.00 -RA	38	34	36	86	9	05	29.38	30.20																
12	OVC	017			7.00	45	38	42	77	12	09	29.35	30.16	12	OVC	017			7.00	45	38	42	77	12	09	29.35	30.16																
15	OVC	029			10.00	47	36	42	66	13	07	29.31	30.13	15	OVC	029			10.00	47	36	42	66	13	07	29.31	30.13																
18	OVC	095			10.00	44	33	39	65	8	07	29.32	30.14	18	OVC	095			10.00	44	33	39	65	8	07	29.32	30.14																
21	OVC	065			10.00	42	35	39	76	8	06	29.32	30.14	21	OVC	065			10.00	42	35	39	76	8	06	29.32	30.14																
24	OVC	065			9.00	44	36	40	73	10	06	29.28	30.09	24	OVC	065			9.00	44	36	40	73	10	06	29.28	30.09																
SUNRISE: 0626						OCT 29						SUNSET: 1654																															
03	OVC	070			10.00	44	35	40	71	10	08	29.24	30.05	03	OVC	070			10.00	44	35	40	71	10	08	29.24	30.05																
06	OVC	070			10.00	43	36	40	76	10	08	29.25	30.06	06	OVC	070			10.00	43	36	40	76	10	08	29.25	30.06																
09	OVC	150			8.00	42	35	39	76	14	08	29.28	30.09	09	OVC	150			8.00	42	35	39	76	14	08	29.28	30.09																
12	OVC	031			10.00	44	32	39	63	14	06	29.24	30.06	12	OVC	031			10.00	44	32	39	63	14	06	29.24	30.06																
15	OVC	075			10.00	44	30	38	58	17	04	29.21	30.02	15	OVC	075			10.00	44	30	38	58	17	04	29.21	30.02																
18	OVC	026			10.00	41	31	37	67	16	04	29.26	30.08	18	OVC	026			10.00	41	31	37	67	16	04	29.26	30.08																
21	OVC	027			10.00	41	32	37	70	9	03	29.28	30.09	21	OVC	027			10.00	41	32	37	70	9	03	29.28	30.09																
24	OVC	031			10.00	38	33	36	83	7	01	29.27	30.08	24	OVC	031			10.00	38	33	36	83	7	01	29.27	30.08																
SUNRISE: 0627						OCT 30						SUNSET: 1653																															
03	OVC	032			8.00	37	31	35	79	7	01	29.28	30.09	03	OVC	032			8.00	37	31	35	79	7	01	29.28	30.09																
06	OVC	032			10.00	36	31	34	82	6	36	29.32	30.14	06	OVC	032			10.00	36	31	34	82	6	36	29.32	30.14																
09	BKN	110			10.00	41	31	37	67	12	03	29.35	30.16	09	BKN	110			10.00	41	31	37	67	12	03	29.35	30.16																
12	SCT	NC			10.00	48	37	43	66	10	06	29.32	30.14	12	SCT	NC			10.00	48	37	43	66	10	06	29.32	30.14																
15	BKN	100			10.00	48	36	43	63	12	02	29.31	30.12	15	BKN	100			10.00	48	36	43	63	12	02	29.31	30.12																
18	OVC	120			10.00	44	38	41	79	5	07	29.33	30.15	18	OVC	120			10.00	44	38	41	79	5	07	29.33	30.15																
21	OVC	100			10.00	41	38	40	89	0	00	29.38	30.19	21	OVC	100			10.00	41	38	40	89	0	00	29.38	30.19																
24	OVC	100			9.00	38	37	38	97	6	34	29.39	30.21	24	OVC	100			9.00	38	37	38	97	6	34	29.39	30.21																

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 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.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND (MPH)	
							STATION	SEA LEVEL			SPEED	DIRECTION
01			45	39	42	80	29.30	30.11	8.08	7	1	35
02			44	38	42	81	29.30	30.11	7.77	7	2	35
03			44	38	41	81	29.30	3				





OCTOBER 2002

ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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