



JUNE 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	90	55	73	8	55	62	0	8				0.0	0.00	28.99	29.77	5.2	27	7.3	25	29	22	29	01	
02	73	55	64	-1	46	54	1	0	RA			0.0	T	29.11	29.89	4.1	07	6.7	28	07	23	07	02	
03	74	53	64	-1	55	58	1	0	TS TSRA TSRAGR RA BR			T	2.37	29.05	29.84	7.3	09	11.6	35	13	28	13	03	
04	69	60	65	0	62	63	0	0	TS TSRA RA BR			0.0	3.80	29.06	29.84	4.5	18	11.1	26	35	23	34	04	
05	65	50	58*	-8	54	56	7	0	DZ BR			0.0	T	29.20	30.00	5.9	34	7.2	21	30	17	30	05	
06	72	48*	60	-6	50	55	5	0	BR			0.0	0.00	29.28	30.08	5.3	08	7.1	17	11	13	05	06	
07	76	51	64	-2	55	59	1	0	BR HZ			0.0	0.00	29.30	30.09	9.1	18	9.4	23	20	20	19	07	
08	82	57	70	3	58	63	0	5				0.0	0.00	29.27	30.06	6.6	19	7.3	22	17	18	17	08	
09	88	58	73	6	61	66	0	8	BR HZ			0.0	0.00	29.23	30.01	5.7	16	6.7	20	20	15	16	09	
10	86	70	78	11	69	72	0	13	TSRA RA FG BR			0.0	0.29	29.11	29.89	12.6	19	12.8	46*	16	31*	18	10	
11	79	67	73	5	68	70	0	8	TSRA RA BR			0.0	0.41	29.03	29.80	9.2	23	10.7	26	28	22	27	11	
12	79	60	70	1	65	67	0	5	BR HZ			0.0	0.00	29.10	29.89	2.2	04	7.1	18	07	17	04	12	
13	71	56	64	-5	57	59	1	0	TSRA RA			0.0	0.36	29.07	29.86	1.6	03	5.5	35	30	30	30	13	
14	68	54	61	-8	54	56	4	0	RA BR			0.0	0.17	28.97	29.76	9.7	31	10.3	28	34	23	31	14	
15	78	53	66	-3	51	58	0	1				0.0	0.00	28.99	29.78	9.2	31	10.5	31	29	26	30	15	
16	77	51	64	-5	48	56	1	0	RA			0.0	T	29.11	29.89	7.9	31	9.1	26	01	22	36	16	
17	79	56	68	-2	55	60	0	3	RA			0.0	0.02	29.13	29.92	2.2	25	5.4	21	26	16	27	17	
18	83	58	71	1	54	61	0	6				0.0	0.00	29.22	30.01	10.2	16	11.4	22	19	20	19	18	
19	81	67	74	4	59	65	0	9	RA			0.0	T	29.32	30.10	12.0	17	12.4	30	17	25	18	19	
20	89	65	77	7	67	71	0	12	RA BR HZ			0.0	T	29.44	30.23	7.0	21	7.8	23	22	20	21	20	
21	88	70	79	9	70	73	0	14	TS BR HZ			0.0	0.00	29.49	30.28	3.4	07	4.6	24	01	20	01	21	
22	90	67	79	9	66	70	0	14	BR HZ			0.0	0.00	29.41	30.20	5.1	22	6.3	20	22	17	23	22	
23	91	65	78	8	62	68	0	13	BR HZ			0.0	0.00	29.32	30.11	5.4	21	5.8	18	19	15	21	23	
24	90	62	76	5	64	69	0	11	BR HZ			0.0	0.00	29.30	30.08	3.5	24	4.5	17	28	14	24	24	
25	89	68	79	7	68	71	0	14	TS BR HZ			0.0	0.00	29.24	30.02	6.1	19	6.7	17	19	15	21	25	
26	84	67	76	4	66	69	0	11	TSRA RA BR			0.0	0.04	29.10	29.88	7.3	25	9.4	25	33	21	34	26	
27	82	63	73	1	62	66	0	8				0.0	0.00	29.09	29.87	5.5	34	5.9	20	33	17	33	27	
28	86	59	73	1	61	65	0	8	BR			0.0	0.00	29.23	30.01	1.7	16	2.6	12	03	8	16	28	
29	87	61	74	2	64	68	0	9	BR HZ			0.0	0.00	29.30	30.08	6.0	19	6.2	18	20	16	19	29	
30	95*	70	83*	11	72	75	0	18	BR HZ			0.0	0.00	29.28	30.06	6.6	21	7.3	21	21	18	21	30	
81.4 59.9 70.7 ■■										< MONTHLY AVERAGES TOTALS->			T	7.46	29.19	29.98	2.2	19	7.9	<- MONTHLY AVERAGES				
1.9 ■■										<-----DEPARTURE FROM NORMAL----->				2.66	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 6.07 DATE :03-04				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: T DATE :03				MAXIMUM : 30.35 21 0754											
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: DATE :				MINIMUM : 29.69 01 1754											
HEATING: 21 -3 6029 -940									NUMBER OF DAYS WITH ➔		MAXIMUM TEMP ≥ 90: 5		MINIMUM TEMP ≤ 32 : 0		PRECIPITATION ≥ 0.01 INCH : 8									
COOLING: 198 36 260 41											MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 6									
											THUNDERSTORMS : 8		HEAVY FOG : 0		SNOWFALL ≥ 1.0 INCH : 0									

JUNE 2002
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

JUNE 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	0.16	0.00	
02												T	02												02		T	
03			T	T				0.05	0.03	0.01		T	03	T	0.04	0.43	0.02	0.01	0.10	1.29	0.10	0.02	0.01		03		2.37	
04	1.21	0.54	0.05	0.17	0.73	0.18	0.08	0.16	0.07	0.16	0.09	0.33	04	0.02		T	T	T	0.01						04		3.80	
05												T	05											0.26	05		T	
06													06												06		0.00	
07													07												07		0.00	
08													08												08		0.00	
09													09												09		0.00	
10													10	T	T				0.29	T					10		0.29	
11						0.37	0.01	0.03					11												11		0.41	
12													12												12		0.00	
13			T	0.02	T			T	0.05	0.03			13								0.11	0.15			13		0.36	
14													14	0.12	T					0.04	T				14		0.17	
15													15												15		0.00	
16													16												16		T	
17					0.01	0.01	T	T					17									T	T		17		0.02	
18													18												18		0.00	
19							T	T	T	T	T	T	19	T											19		T	
20					T								20												20		T	
21													21												21		0.00	
22													22												22		0.00	
23													23												23		0.00	
24													24												24		0.00	
25													25												25		0.00	
26					T	0.04	T			T	T		26												26		0.04	
27													27												27		0.00	
28													28												28		0.00	
29													29												29		0.00	
30													30												30		0.00	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.31	.50	.61	.73	.93	1.15	1.39	1.62	1.82	1.89	1.89	1.89
Ending Date	03	04	04	04	04	03	03	04	04	04	04	04
Ending Time (Hour/Min)	1831	0025	0025	0025	0034	1837	1851	0119	0120	0121	0121	0121

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
JUNE 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							10.00	10.00	
02							10.00	10.00	
03							.75	10.00	
04							.75	10.00	
05							5.00	10.00	
06							6.00	10.00	
07							2.00	10.00	
08							7.00	10.00	
09							5.00	10.00	
10							.50	10.00	
11							.00	10.00	
12							2.50	10.00	
13							2.00	10.00	
14							5.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							9.00	10.00	
18							10.00	10.00	
19							7.00	10.00	
20							5.00	8.00	
21							5.00	10.00	
22							4.00	10.00	
23							4.00	9.00	
24							3.00	10.00	
25							4.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							4.00	10.00	
29							4.00	10.00	
30							3.00	10.00	
MONTHLY AVGS							5.74	9.90	

SUNSHINE (MINUTES)

Total: Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

30

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

0 7 10

ROCKFORD, IL

JUNE 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)	
			Observation Time (LST)	Eff Cld Amt <small>Oktas</small>		Visibility (Miles)	Dry Bulb	Dew Point		Wet Bulb	Speed (Mph)	Direction Tens of Deg	Station				Sea Level	Observation Time (LST)		Eff Cld Amt <small>Oktas</small>	Visibility (Miles)	Dry Bulb		Dew Point	Wet Bulb	Speed (Mph)	Direction Tens of Deg
Sunrise: 0423					JUN 01	Sunset: 1925					Sunrise: 0421					JUN 07	Sunset: 1930										
03	SCT	NC		10.00		58	55	56	90	0	00	29.03	29.81	03	CLR	NC		3.00	BR	53	51	52	93	7	15	29.32	30.11
06	SCT	NC		10.00		61	55	58	81	0	00	29.04	29.82	06	OVC	250		3.00	BR	57	55	56	93	8	17	29.33	30.13
09	FEW	NC		10.00		80	55	65	42	5	VR	29.02	29.80	09	SCT	NC		10.00		66	57	61	73	13	19	29.36	30.15
12	SCT	NC		10.00		86	59	69	40	14	25	28.99	29.76	12	SCT	NC		10.00		72	57	63	60	13	19	29.33	30.12
15	SCT	NC		10.00		86	52	65	31	20	28	28.95	29.72	15	FEW	NC		10.00		75	56	64	52	15	20	29.26	30.05
18	BKN	250		10.00		84	57	67	40	9	27	28.91	29.69	18	SCT	NC		10.00		74	53	62	48	9	19	29.24	30.03
21	FEW	NC		10.00		76	58	65	54	9	30	28.97	29.74	21	FEW	NC		10.00		63	56	59	78	0	00	29.28	30.08
24	CLR	NC		10.00		64	41	52	43	8	06	29.03	29.80	24	CLR	NC		10.00		62	55	58	78	9	17	29.27	30.06
Sunrise: 0422					JUN 02	Sunset: 1926					Sunrise: 0420					JUN 08	Sunset: 1930										
03	SCT	NC		10.00		60	44	52	56	0	00	29.05	29.83	03	SCT	NC		10.00		60	55	57	84	3	20	29.24	30.03
06	OVC	250		10.00		60	48	54	65	0	00	29.10	29.88	06	BKN	250		8.00		61	56	58	84	7	17	29.29	30.08
09	OVC	250		10.00		68	49	57	51	8	18	29.12	29.90	09	SCT	NC		9.00		73	60	65	64	12	20	29.30	30.09
12	OVC	250		10.00		69	52	59	55	10	30	29.16	29.95	12	SCT	NC		10.00		79	61	68	54	7	23	29.27	30.06
15	OVC	150		10.00		69	51	59	53	5	VR	29.10	29.89	15	BKN	250		10.00		81	61	68	51	10	19	29.24	30.02
18	OVC	250		10.00		62	47	54	58	14	05	29.13	29.92	18	BKN	250		10.00		80	54	64	41	3	23	29.24	30.03
21	BKN	070		10.00		56	37	47	49	17	06	29.14	29.93	21	SCT	NC		10.00		68	57	62	68	0	00	29.27	30.05
24	OVC	060		10.00		59	39	49	48	6	05	29.10	29.88	24	FEW	NC		8.00		63	61	62	93	3	25	29.29	30.08
Sunrise: 0422					JUN 03	Sunset: 1927					Sunrise: 0420					JUN 09	Sunset: 1931										
03	OVC	110		10.00	-RA	54	46	50	75	12	07	29.07	29.85	03	FEW	NC		7.00		58	56	57	93	0	00	29.27	30.06
06	OVC	120		10.00		56	48	52	75	13	10	29.06	29.84	06	SCT	NC		10.00		64	57	60	78	0	00	29.29	30.08
09	OVC	095		5.00	TSRA	57	52	54	83	24	12	29.05	29.84	09	SCT	NC		10.00		78	62	68	58	8	18	29.28	30.07
12	OVC	250		8.00		72	62	66	71	13	18	29.04	29.82	12	SCT	NC		10.00		82	61	69	49	13	18	29.27	30.05
15	OVC	021		1.75	TSRA BR	62	61	61	96	13	12	29.03	29.82	15	SCT	NC		10.00		86	62	70	45	10	14	29.19	29.98
18	BKN	006		2.50	TSRA	60	59	59	96	12	33	29.05	29.84	18	SCT	NC		10.00		85	64	71	50	9	16	29.13	29.91
21	OVC	049		5.00	-TSRA	60	60	60	100	0	00	29.08	29.87	21	BKN	250		10.00		77	62	68	60	8	12	29.16	29.94
24	OVC	060		1.50	TSRA	62	62	62	100	16	35	29.01	29.79	24	SCT	NC		10.00		74	66	69	76	10	17	29.17	29.95
Sunrise: 0422					JUN 04	Sunset: 1928					Sunrise: 0420					JUN 10	Sunset: 1931										
03	OVC	065		10.00	-TSRA	65	62	63	90	10	11	28.99	29.77	03	FEW	NC		7.00		70	67	68	90	8	17	29.15	29.93
06	OVC	065		9.00	-TSRA	63	61	62	93	8	12	29.08	29.87	06	SCT	NC		6.00	BR	72	68	69	87	14	18	29.15	29.93
09	OVC	049		6.00	-TSRA BR	63	61	62	93	9	16	29.10	29.88	09	SCT	NC		10.00		80	69	73	69	18	20	29.15	29.93
12	OVC	034		9.00	-TSRA	64	62	63	93	10	14	29.08	29.86	12	BKN	150		8.00		84	70	74	63	15	21	29.12	29.90
15	OVC	070		10.00	-RA	65	62	63	90	10	18	29.01	29.79	15	BKN	250		9.00		85	67	73	55	17	20	29.08	29.85
18	OVC	021		8.00		68	65	66	90	13	21	29.02	29.81	18	OVC	046		8.00	-RA	77	71	73	82	15	21	29.07	29.85
21	OVC	011		10.00		65	62	63	90	14	26	29.06	29.84	21	BKN	150		9.00		76	71	73	85	8	19	29.08	29.85
24	BKN	008		10.00		60	58	59	93	12	29	29.10	29.89	24	BKN	045		10.00		73	68	70	84	14	19	29.07	29.84
Sunrise: 0421					JUN 05	Sunset: 1928					Sunrise: 0420					JUN 11	Sunset: 1932										
03	OVC	010		10.00		58	55	56	90	12	32	29.11	29.90	03	OVC	015		10.00		72	69	70	91	13	20	29.04	29.81
06	OVC	009		10.00		57	55	56	93	8	30	29.17	29.96	06	OVC	013			-TSRA	70	68	69	93	13	27	29.05	29.82
09	OVC	013		10.00		59	54	56	83	9	35	29.19	29.99	09	BKN	200		10.00		73	69	70	87	18	21	28.98	29.75
12	OVC	013		10.00		59	54	56	83	3	33	29.23	30.03	12	OVC	250		10.00		78	68	71	71	20	26	29.02	29.80
15	OVC	029		10.00		62	54	57	75	8	02	29.21	30.01	15	BKN	200		10.00		78	68	71	71	10	25	29.02	29.79
18	BKN	250		10.00		61	54	57	78	9	36	29.23	30.03	18	OVC	250		10.00		75	68	70	79	9	23	29.02	29.80
21	BKN	200		10.00		56	52	54	87	3	09	29.25	30.05	21	BKN	250		10.00		71	67	68	87	0	00	29.05	29.83
24	CLR	NC		9.00		50	49	49	96	0	00	29.26	30.06	24	BKN	250		6.00	BR	67	66	66	97	5	21	29.04	29.82
Sunrise: 0421					JUN 06	Sunset: 1929					Sunrise: 0420					JUN 12	Sunset: 1932										
03	CLR	NC		9.00		49	47	48	93	7	05	29.25	30.05	03	OVC	003		4.00	BR	69	68	68	96	8	23	29.05	29.83
06	OVC	015		8.00		52	49	50	89	9	04	29.28	30.09	06	OVC	005		2.50	BR	70	69	69	97	3	29	29.08	29.86
09	FEW	NC		10.00		61	52	56	72	8	07	29.29	30.09	09	OVC	011		6.00	HZ	74	69	71	85	8	30	29.09	29.87
12	CLR	NC		10.00		68	53	59	59	7	04	29.29	30.09	12	BKN	250		6.00	HZ	75	67	70	76	14	06	29.12	29.91
15	FEW	NC		10.00		72	49	59	44	7	VR	29.28	30.07	15	OVC	250		7.00		78	65	70	64	5	VR	29.12	29.89
18	FEW	NC		10.00		69	49	58	49	8	12	29.27	30.06	18	BKN	250		10.00		74	62	66	67	8	08	29.12	29.90
21	FEW	NC		10.00		59	50	54	72	7	12	29.27	30.07	21	OVC	180		10.00		66	59	62	78	10	10	29.15	29.94
24	CLR	NC		7.00		55	51	53	87	3	17	29.30	30.10	24	OVC	110		8.00		60	56	58	86	7	12	29.17	29.99

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

JUNE 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: 0420						JUN 13						SUNSET: 1933						SUNRISE: 0420						JUN 19						SUNSET: 1935					
03	OVC	070			9.00	-RA		59	55	57	87	7	03	29.11	29.89	03	CLR	NC			10.00		67	53	59	61	13	16	29.25	30.03					
06	OVC	055			10.00	-RA		59	55	57	87	6	10	29.11	29.89	06	CLR	NC			10.00		70	56	62	61	12	17	29.29	30.07					
09	OVC	065			7.00	-RA		59	56	57	90	6	08	29.11	29.89	09	OVC	150			9.00		70	60	64	71	6	17	29.38	30.16					
12	OVC	065			10.00			66	58	61	75	5	VR	29.10	29.88	12	OVC	150			8.00		73	62	66	69	17	19	29.34	30.12					
15	OVC	150			10.00			68	58	62	70	0	00	29.06	29.84	15	OVC	150			9.00		79	61	68	54	18	20	29.32	30.11					
18	BKN	120			10.00			68	58	62	70	5	26	29.02	29.80	18	OVC	180			7.00		79	62	68	56	12	16	29.32	30.11					
21	BKN	095			10.00			59	55	57	87	5	27	29.04	29.82	21	BKN	250			8.00		72	61	65	69	9	16	29.34	30.13					
24	FEW	NC			10.00			57	54	55	90	3	27	29.01	29.79	24	BKN	250			7.00		71	60	64	68	10	18	29.36	30.15					
SUNRISE: 0420						JUN 14						SUNSET: 1933						SUNRISE: 0420						JUN 20						SUNSET: 1936					
03	CLR	NC			5.00	BR		55	54	54	96	0	00	28.96	29.75	03	OVC	150			7.00		66	60	62	81	6	16	29.42	30.20					
06	BKN	180			10.00			57	54	55	90	6	29	28.97	29.75	06	OVC	250			6.00	HZ	71	63	66	76	8	18	29.43	30.22					
09	BKN	080			10.00			63	54	58	73	13	30	28.96	29.74	09	BKN	250			7.00		82	67	72	60	16	21	29.44	30.22					
12	BKN	110			10.00			64	52	57	65	16	30	28.94	29.73	12	BKN	250			8.00		87	70	75	57	9	22	29.45	30.23					
15	BKN	080			10.00			65	54	59	68	15	33	28.94	29.72	15	SCT	NC			7.00		89	70	76	53	10	24	29.44	30.22					
18	OVC	100			10.00			66	52	58	61	17	32	28.96	29.75	18	BKN	250			7.00		85	70	75	61	6	26	29.44	30.22					
21	SCT	NC			10.00			58	55	56	90	9	33	29.02	29.80	21	SCT	NC			6.00	HZ	77	72	74	85	3	17	29.48	30.26					
24	CLR	NC			10.00			54	53	53	97	7	28	29.00	29.79	24	SCT	NC			5.00	BR	73	70	71	90	0	00	29.49	30.27					
SUNRISE: 0420						JUN 15						SUNSET: 1934						SUNRISE: 0420						JUN 21						SUNSET: 1936					
03	CLR	NC			10.00			55	51	53	87	6	27	28.99	29.78	03	OVC	120			5.00	BR	72	68	69	87	3	15	29.49	30.28					
06	BKN	110			10.00			56	53	54	90	3	21	29.00	29.79	06	BKN	180			5.00	BR	73	69	70	87	0	00	29.53	30.31					
09	SCT	NC			10.00			69	57	62	66	9	26	28.99	29.78	09	BKN	250			10.00		78	68	71	71	9	06	29.54	30.32					
12	SCT	NC			10.00			75	52	62	45	16	31	28.97	29.75	12	SCT	NC			8.00		86	71	76	61	0	00	29.50	30.28					
15	SCT	NC			10.00			76	48	60	37	22	29	28.95	29.73	15	BKN	100			8.00		85	73	77	68	10	10	29.47	30.25					
18	SCT	NC			10.00			73	51	60	46	15	34	28.96	29.74	18	OVC	065			7.00		85	73	77	68	3	VR	29.44	30.22					
21	FEW	NC			10.00			66	47	56	50	8	31	29.02	29.80	21	OVC	150			9.00		76	70	72	82	5	10	29.47	30.25					
24	FEW	NC			10.00			58	48	53	70	6	33	29.08	29.86	24	OVC	150			8.00		75	69	71	82	0	00	29.47	30.25					
SUNRISE: 0420						JUN 16						SUNSET: 1934						SUNRISE: 0421						JUN 22						SUNSET: 1936					
03	CLR	NC			10.00			53	48	50	83	0	00	29.07	29.85	03	SCT	NC			6.00	BR	70	67	68	90	3	15	29.47	30.25					
06	CLR	NC			10.00			57	50	53	78	6	30	29.12	29.91	06	BKN	250			5.00	BR	71	67	68	87	5	16	29.48	30.26					
09	CLR	NC			10.00			69	48	57	47	14	32	29.13	29.91	09	SCT	NC			7.00		83	70	74	65	6	25	29.48	30.26					
12	SCT	NC			10.00			75	46	59	36	10	31	29.12	29.91	12	SCT	NC			9.00		88	67	74	50	7	23	29.45	30.23					
15	BKN	100			10.00			76	46	59	35	14	30	29.10	29.88	15	BKN	250			9.00		90	64	73	42	12	24	29.36	30.14					
18	SCT	NC			10.00			74	44	58	34	12	31	29.09	29.88	18	SCT	NC			9.00		86	63	71	46	7	22	29.34	30.12					
21	BKN	110			10.00			65	47	55	52	12	36	29.14	29.93	21	FEW	NC			9.00		77	63	68	62	3	18	29.36	30.14					
24	CLR	NC			10.00			58	53	55	84	5	22	29.12	29.90	24	CLR	NC			9.00		71	61	65	71	5	20	29.34	30.12					
SUNRISE: 0420						JUN 17						SUNSET: 1935						SUNRISE: 0421						JUN 23						SUNSET: 1936					
03	OVC	180			10.00	-RA		59	53	56	81	0	00	29.12	29.90	03	CLR	NC			7.00		67	63	64	87	0	00	29.34	30.13					
06	OVC	095			10.00	-RA		59	56	57	90	5	01	29.15	29.94	06	FEW	NC			5.00	HZ	70	64	66	82	3	17	29.34	30.12					
09	OVC	110			10.00			63	55	58	76	0	00	29.14	29.93	09	FEW	NC			6.00	HZ	82	67	72	60	8	20	29.36	30.14					
12	BKN	150			10.00			72	55	62	55	8	24	29.13	29.93	12	SCT	NC			7.00		88	62	71	42	7	22	29.36	30.14					
15	BKN	250			10.00			79	52	63	39	13	25	29.11	29.89	15	CLR	NC			6.00	HZ	90	62	72	39	13	19	29.28	30.06					
18	FEW	NC			10.00			77	54	63	45	8	25	29.11	29.89	18	CLR	NC			7.00		87	59	69	39	10	21	29.26	30.04					
21	CLR	NC			10.00			62	55	58	78	3	13	29.15	29.94	21	CLR	NC			6.00	HZ	73	61	66	66	0	00	29.32	30.10					
24	FEW	NC			10.00			62	55	58	78	13	08	29.19	29.98	24	CLR	NC			5.00	HZ	68	61	64	78	3	15	29.31	30.09					
SUNRISE: 0420						JUN 18						SUNSET: 1935						SUNRISE: 0421						JUN 24						SUNSET: 1936					
03	FEW	NC			10.00			59	53	56	81	6	11	29.20	29.99	03	CLR	NC			5.00	BR	65	61	63	87	0	00	29.30	30.08					
06	FEW	NC			10.00			63	54	58	73	9	13	29.24	30.03	06	CLR	NC			3.00	BR	66	62	64	87	5	20	29.32	30.10					
09	BKN	250			10.00			75	56	64	52	14	16	29.24	30.03	09	CLR	NC			9.00		83	62	69	49	6	24	29.34	30.12					
12	SCT	NC			10.00			81	57	66	44	16	18	29.23	30.01	12	CLR	NC			8.00		87	62	71	43	8	28	29.34	30.12					
15	SCT	NC			10.00			83	57	67	41	18	17	29.20	29.99	15	FEW	NC			8.00		90	65	73	44	6	26	29.28	30.06					
18	SCT	NC			10.00			80	52	63	38	12	19	29.19	29.98	18	CLR	NC			10.00		87	64	72	46	9	21	29.23	30.01					
21	CLR	NC			10.00			72	52	60	50	7	15	29.23	30.02	21	CLR	NC			7.00		77	68	71	74	0	00	29.29	30.07					
24	CLR	NC			10.00			70	51	59	51	13	16	29.26	30.05	24	CLR	NC			7.00		74	68	70	82	0	00	29.27	30.05					

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

JUNE 2002

RFD

WBAN # 94822

HOUR (LST)	SKY COVER		CEILING 100'S OFFT	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				5.00	BR	69	66	67	90	6	16	29.25	30.03
06	FEW	NC				4.00	BR	73	69	70	87	0	00	29.28	30.06
09	BKN	250				7.00		85	71	75	63	7	23	29.28	30.06
12	BKN	250				7.00		87	69	75	55	12	20	29.24	30.02
15	BKN	250				7.00		85	72	76	65	13	19	29.20	29.98
18	BKN	250				10.00		75	65	69	71	6	21	29.19	29.98
21	BKN	250				10.00		74	64	68	71	8	19	29.20	29.98
24	SCT	NC				10.00		71	64	67	79	7	20	29.18	29.96
SUNRISE: 0421 JUN 25 SUNSET: 1936															
03	FEW	NC				10.00		71	66	68	84	10	21	29.14	29.92
06	BKN	080				10.00	-TSRA	67	66	66	97	5	06	29.19	29.98
09	BKN	150				10.00		73	65	68	76	16	21	29.12	29.91
12	OVC	150				10.00		76	65	69	69	8	26	29.11	29.89
15	BKN	200				10.00		84	64	71	51	17	26	29.06	29.83
18	SCT	NC				10.00		81	68	72	65	12	27	29.05	29.82
21	OVC	100				10.00		75	65	69	71	13	24	29.08	29.85
24	CLR	NC				10.00		69	66	67	90	5	25	29.09	29.86
SUNRISE: 0422 JUN 26 SUNSET: 1937															
03	SCT	NC				10.00		67	63	64	87	0	00	29.08	29.85
06	CLR	NC				10.00		66	63	64	90	0	00	29.08	29.86
09	FEW	NC				10.00		77	60	66	56	14	30	29.09	29.86
12	BKN	250				10.00		79	61	68	54	8	35	29.10	29.88
15	BKN	250				10.00		80	61	68	52	13	33	29.07	29.85
18	FEW	NC				10.00		78	59	66	52	13	33	29.08	29.86
21	SCT	NC				10.00		70	61	64	73	0	00	29.13	29.91
24	FEW	NC				10.00		64	62	63	93	0	00	29.14	29.93
SUNRISE: 0422 JUN 27 SUNSET: 1937															
03	CLR	NC				10.00		61	60	60	97	0	00	29.15	29.94
06	CLR	NC				5.00	BR	62	60	61	93	0	00	29.22	30.01
09	CLR	NC				10.00		76	63	68	64	0	00	29.24	30.03
12	FEW	NC				10.00		82	59	68	46	6	25	29.24	30.03
15	FEW	NC				10.00		84	59	68	43	3	VR	29.23	30.02
18	CLR	NC				10.00		82	58	67	44	3	09	29.23	30.02
21	SCT	NC				10.00		71	63	66	76	3	18	29.26	30.05
24	BKN	200				10.00		66	61	63	84	3	15	29.28	30.06
SUNRISE: 0423 JUN 28 SUNSET: 1937															
03	BKN	250				8.00		64	59	61	84	0	00	29.29	30.08
06	FEW	NC				4.00	HZ	66	61	63	84	0	00	29.34	30.13
09	CLR	NC				10.00		80	63	69	56	7	18	29.33	30.12
12	SCT	NC				10.00		85	64	71	50	12	19	29.30	30.09
15	FEW	NC				10.00		86	64	71	48	12	19	29.28	30.06
18	CLR	NC				8.00		84	66	72	55	9	21	29.26	30.05
21	FEW	NC				8.00		75	67	70	76	6	15	29.28	30.06
24	CLR	NC				5.00	BR	71	67	68	87	5	18	29.28	30.06
SUNRISE: 0423 JUN 29 SUNSET: 1937															
03	CLR	NC				5.00	BR	70	67	68	90	5	16	29.27	30.05
06	CLR	NC				3.00	BR	73	69	70	87	5	17	29.30	30.08
09	CLR	NC				9.00		85	75	78	72	6	19	29.31	30.09
12	SCT	NC				10.00		92	74	79	56	10	20	29.29	30.08
15	BKN	100				9.00		93	73	79	52	12	21	29.26	30.04
18	FEW	NC				10.00		89	72	77	57	13	22	29.25	30.03
21	CLR	NC				10.00		80	73	75	79	7	20	29.27	30.05
24	CLR	NC				10.00		74	71	72	91	6	20	29.28	30.06
SUNRISE: 0423 JUN 30 SUNSET: 1936															

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

3-HOURLY OBSERVATION NOTES

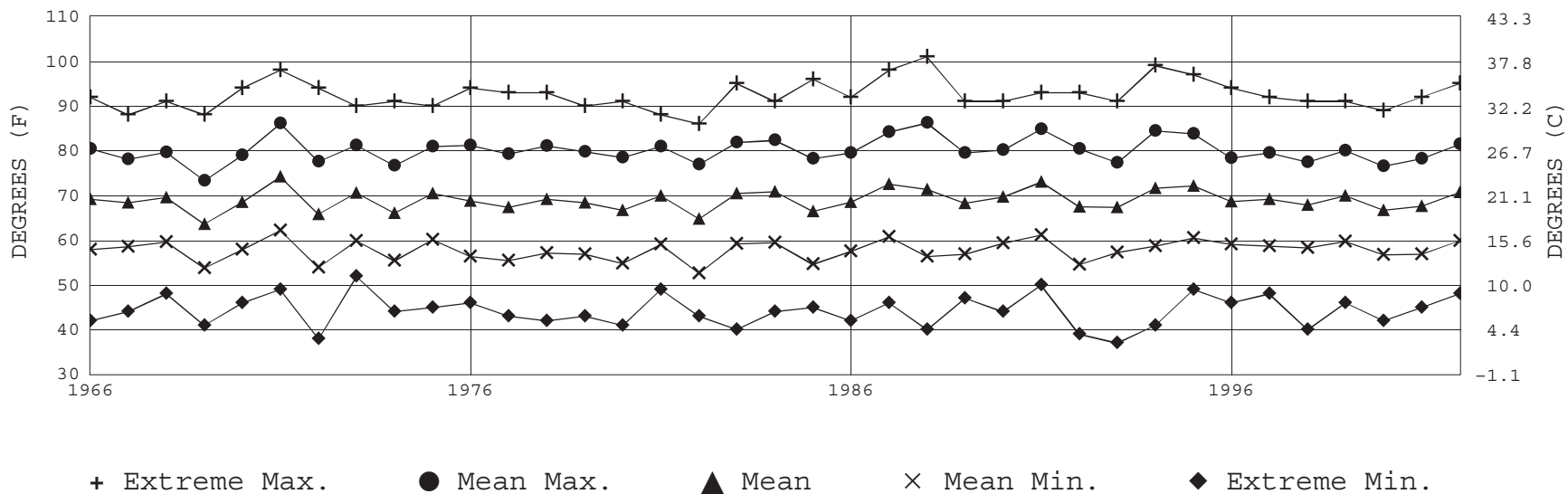
Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8. Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected. & = Original observation contained 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			64	58	60	83	29.19	29.97	8.12	5	1	16
02			63	58	60	85	29.18	29.97	8.07	5	2	15
03			62	58	60	86	29.18	29.97	8.07	5	2	16
04			62	58	60	87	29.19	29.98	7.72	6	2	18
05			62	58	60	87	29.20	29.99	7.05	6	2	16
06			64	59	61	85	29.21	30.00	7.47	5	2	17
07			67	60	63	79	29.22	30.00	7.62	7	2	19
08			70	61	64	73	29.22	30.00	8.38	8	2	20
09			73	61	65	68	29.21	30.00	8.90	10	5	20
10			75	61	66	64	29.21	30.00	9.03	9	3	22
11			76	61	67	61	29.21	30.00	9.20	11	5	24
12			78	61	67	58	29.20	29.99	9.20	10	6	23
13			78	61	67	57	29.19	29.98	9.27	10	5	22
14			79	61	68	55	29.18	29.96	9.20	11	4	23
15			79	60	67	54	29.17	29.95	9.03	11	6	23
16			79	60	67	54	29.16	29.94	9.13	11	5	23
17			79	60	67	54	29.16	29.94	9.35	11	5	22
18			77	60	66	58	29.16	29.95	9.12	10	4	24
19			74	60	66	63	29.17	29.95	9.07	7	2	19
20			71	60	65	70	29.18	29.96	8.83	6	1	19
21			69	60	64	73	29.19	29.98	9.23	6	1	17
22			67	60	63	78	29.19	29.98	9.03	6	2	16
23			66	59	62	80	29.20	29.98	8.87	5	2	16
24			65	59	62	82	29.20	29.98	8.52	6	2	19

SUMMARY BY HOUR

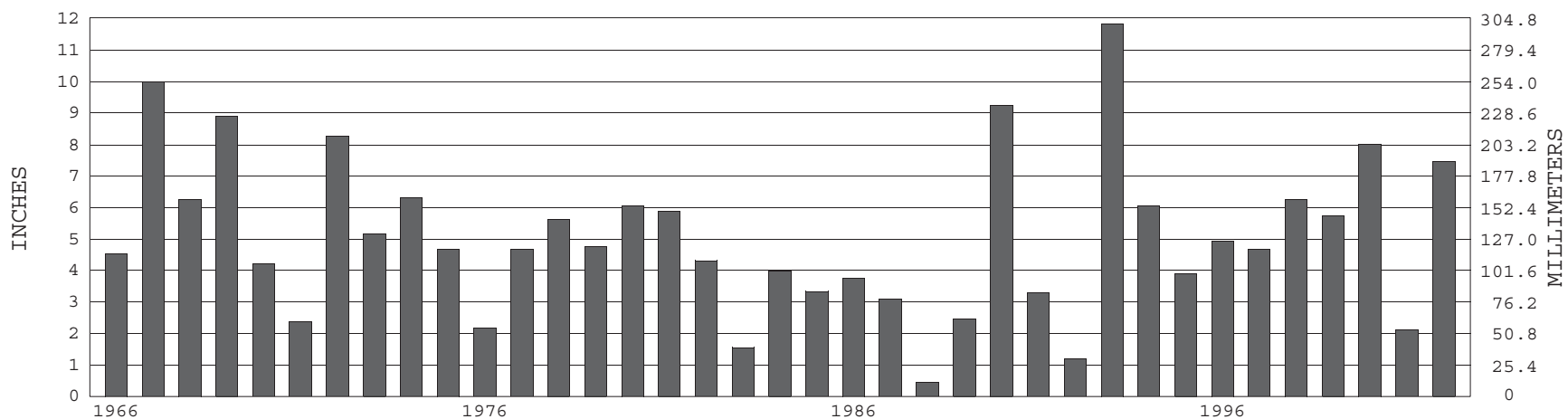
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			64	58	60	83	29.19	29.97	8.12	5	1	16
02			63	58	60	85	29.18	29.97	8.07	5	2	15
03			62	58	60	86	29.18	29.97	8.07	5	2	16
04			62	58	60	87	29.19	29.98	7.72	6	2	18
05			62	58	60	87	29.20	29.99	7.05	6	2	16
06			64	59	61	85	29.21	30.00	7.47	5	2	17
07			67	60	63	79	29.22	30.00	7.62	7	2	19
08			70	61	64	73	29.22	30.00	8.38	8	2	20
09			73	61	65	68	29.21	30.00	8.90	10	5	20
10			75	61	66	64	29.21	30.00	9.03	9	3	22
11			76	61	67	61	29.21	30.00	9.20	11	5	24
12			78	61	67	58	29.20	29.99	9.20	10	6	23
13			78	61	67	57	29.19	29.98	9.27	10	5	22
14			79	61	68	55	29.18	29.96	9.20	11	4	23
15			79	60	67	54	29.17	29.95	9.03	11	6	23
16			79	60	67	54	29.16	29.94	9.13	11	5	23
17			79	60	67	54	29.16	29.94	9.35	11	5	22
18			77	60	66	58	29.16	29.95	9.12	10	4	24
19			74	60	66	63	29.17	29.95	9.07	7	2	19
20			71	60	65	70	29.18	29.96	8.83	6	1	19
21			69	60	64	73	29.19	29.98	9.23	6	1	17
22			67	60	63	78	29.19	29.98	9.03	6	2	16
23			66	59	62	80	29.20	29.98	8.87	5	2	16
24			65	59	62	82	29.20	29.98	8.52	6	2	19

ROCKFORD, IL JUNE TEMPERATURES



Long-Term (1966-2002) Mean: 69.0 1961-1990 Normal: .0

ROCKFORD, IL JUNE PRECIPITATION



Long-Term (1966-2002) Mean Monthly Total: 5.07

1961-1990 Normal: 0.00



JUNE 2002

ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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