



# AUGUST 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	94	71	83*	10	72	75	0	18	TS TSRA RA BR			0.0	0.03	29.11	29.89	7.1	23	11.0	26	21	22	21	01					
02	87	64	76	3	58	65	0	11				0.0	0.00	29.31	30.09	6.0	02	8.6	25	02	20	36	02					
03	89	59	74	1	63	67	0	9				0.0	0.00	29.35	30.14	3.2	14	4.9	15	16	12	15	03					
04	89	72	81	8	70	73	0	16	RA BR			0.0	0.12	29.32	30.10	3.6	07	6.2	32	34	28	34	04					
05	88	65	77	5	67	70	0	12	RA BR			0.0	0.09	29.35	30.13	5.1	05	6.2	24	06	21	06	05					
06	77	59	68	-4	54	59	0	3				0.0	0.00	29.48	30.27	9.9	06	10.4	22	06	17	04	06					
07	80	56	68	-4	54	60	0	3				0.0	0.00	29.49	30.28	4.4	08	6.1	16	08	13	10	07					
08	83	56	70	-2	56	61	0	5				0.0	0.00	29.48	30.27	3.0	11	3.9	16	14	13	15	08					
09	84	55	70	-2	55	61	0	5				0.0	0.00	29.38	30.17	3.7	17	4.4	18	18	15	18	09					
10	91	59	75	3	61	66	0	10	BR HZ			0.0	0.00	29.24	30.02	5.6	22	6.4	21	26	16	22	10					
11	94*	65	80	8	66	70	0	15	BR HZ			0.0	0.00	29.21	29.99	6.1	19	7.1	21	17	17	17	11					
12	90	66	78	6	67	70	0	13	TSRA RA BR HZ			0.0	0.34	29.15	29.93	9.7	21	11.2	44*	29	33*	28	12					
13	80	66	73	1	67	69	0	8	TS TSRA RA BR			0.0	0.44	29.08	29.86	3.1	20	5.6	17	16	15	16	13					
14	79	60	70	-2	58	62	0	5				0.0	0.00	29.10	29.88	5.0	26	6.9	18	26	15	24	14					
15	84	57	71	-1	64	67	0	6	RA BR			0.0	0.01	29.11	29.89	10.2	20	10.6	31	20	24	21	15					
16	82	66	74	3	64	68	0	9	RA BR			0.0	T	29.23	30.01	2.2	19	5.4	17	15	15	16	16					
17	87	60	74	3	65	68	0	9	RA			0.0	0.03	29.10	29.87	11.4	24	13.8	29	25	24	26	17					
18	78	51*	65*	-6	51	57	0	0	RA			0.0	0.01	29.18	29.97	1.5	22	5.0	16	35	14	35	18					
19	79	59	69	-2	56	61	0	4	TS TSRA RA			0.0	0.06	29.18	29.97	7.1	01	8.7	23	01	20	01	19					
20	79	54	67	-3	55	60	0	2	BR			0.0	0.00	29.34	30.13	5.8	13	6.1	21	14	17	14	20					
21	91	63	77	7	68	71	0	12	TS TSRA BR			0.0	2.84	29.22	30.00	10.9	17	13.8	39	24	30	24	21					
22	79	65	72	2	69	70	0	7	TS TSRA RA BR			0.0	2.95	29.23	30.02	2.9	10	7.3	26	25	21	26	22					
23	79	65	72	2	67	68	0	7	TS RA DZ BR			0.0	0.07	29.18	29.96	2.4	02	3.8	15	09	12	11	23					
24	83	65	74	4	66	69	0	9	BR			0.0	0.00	29.18	29.97	5.3	34	5.7	16	30	12	32	24					
25	85	61	73	3	64	68	0	8	BR			0.0	0.00	29.23	30.01	1.2	34	4.5	17	30	15	29	25					
26	83	62	73	4	62	66	0	8	FG+ BR			0.0	0.00	29.26	30.05	3.7	05	4.7	15	03	12	11	26					
27	84	60	72	3	63	67	0	7	BR			0.0	0.00	29.38	30.17	7.5	07	8.3	17	07	15	06	27					
28	81	60	71	2	62	65	0	6	BR			0.0	0.00	29.44	30.23	6.5	07	7.2	16	09	14	05	28					
29	79	56	68	0	58	62	0	3	BR			0.0	0.00	29.40	30.19	4.1	07	5.8	14	09	12	09	29					
30	82	59	71	3	61	65	0	6				0.0	0.00	29.46	30.25	5.1	09	6.0	14	10	12	10	30					
31	82	61	72	4	61	65	0	7	BR HZ			0.0	0.00	29.48	30.27	4.1	10	4.9	13	13	12	11	31					
83.9 61.2 72.6 ■■										< MONTHLY AVERAGES TOTALS->			0.0	6.99	29.28	30.06	1.5	17	7.1	<- MONTHLY AVERAGES								
3.0 0.3 1.7 ■■										<-----DEPARTURE FROM NORMAL----->			2.78	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 5.79 DATE :21-22					SEA LEVEL PRESSURE DATE TIME														
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0 DATE :					MAXIMUM														
TOTAL DEPARTURE									GREATEST SNOW DEPTH: DATE :					MINIMUM														
HEATING: 0 -14 0 -19									NUMBER OF DAYS WITH ➡					MAXIMUM TEMP ≥ 90: 5					MINIMUM TEMP ≤ 32 : 0					PRECIPITATION ≥ 0.01 INCH : 12				
COOLING: 243 38 878 191														MAXIMUM TEMP ≤ 32 : 0					MINIMUM TEMP ≤ 0 : 0					PRECIPITATION ≥ 0.10 INCH : 5				
														THUNDERSTORMS : 7					HEAVY FOG : 1					SNOWFALL ≥ 1.0 INCH : 0				

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

AUGUST 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						T	T					01	T	0.03	
02													02												02		0.00	
03													03												03		0.00	
04													04		T	0.09									04	0.00	0.12	
05													05												05		0.09	
06													06												06		0.00	
07													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													12												12	0.33	0.34	
13	0.09	0.10	0.07									T	13	0.02	0.03	0.10	T	0.02	T	T	T	0.15	0.16	T	0.02	13		0.44
14													14												14		0.00	
15													15											0.01	T	15		0.01
16	T	T	T										16												16		T	
17								0.03	T				17												17		0.03	
18													18											0.01	T	18		0.01
19	0.01	T	0.05	T									19												19		0.06	
20													20												20		0.00	
21													21							0.73	0.48			0.05	1.56	21	2.82	2.84
22	0.44	0.69	0.18	0.42	0.53	0.72	0.07	0.03	T	T			22	0.13	0.02	T									22	3.23	2.95	
23			T	0.03	T	0.02	0.01	T			T	0.01	23	T											23		0.07	
24													24												24		0.00	
25													25												25		0.00	
26													26												26		0.00	
27													27												27		0.00	
28													28												28		0.00	
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)												
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  
AUGUST 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							6.00	10.00	
02							10.00	10.00	
03							7.00	10.00	
04							2.50	10.00	
05							2.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							7.00	10.00	
10							5.00	10.00	
11							3.00	10.00	
12							2.00	9.00	
13							2.50	10.00	
14							7.00	10.00	
15							3.00	10.00	
16							4.00	10.00	
17							7.00	10.00	
18							10.00	10.00	
19							7.00	10.00	
20							6.00	10.00	
21							.75	10.00	
22							1.00	10.00	
23							1.00	10.00	
24							2.00	10.00	
25							3.00	10.00	
26							.25	10.00	
27							6.00	10.00	
28							5.00	10.00	
29							2.00	10.00	
30							7.00	10.00	
31							1.50	10.00	
<b>MONTHLY AVGS</b>							5.02	9.97	
<p align="center"><b>SUNSHINE (MINUTES)</b></p> <p>Total:                  Possible:</p> <p align="center">Percent Possible:</p>									
<p align="center"><b>NUMBER OF DAYS WITH:</b></p> <p align="center"><b>SKY CONDITION</b></p> <p align="center">CLR   PTLY CLDY   CLOUDY   MISSING</p> <p align="center">31</p> <p align="center"><b>MINIMUM VISIBILITY (MILES)</b></p> <p align="center">&lt;=0.25       &lt;=3.0       &gt;=7.0</p> <p align="center">1                      13                  12</p>									

## OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

AUGUST 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: 0449 AUG 01						SUNSET: 1916						SUNRISE: 0455 AUG 07						SUNSET: 1909											
03	CLR	NC			8.00	73	69	70	87	8	18	29.11	29.88	03	CLR	NC			10.00	56	53	54	90	7	02	29.49	30.29		
06	CLR	NC			6.00	74	70	71	88	7	21	29.13	29.91	06	CLR	NC			10.00	59	56	57	90	6	06	29.52	30.31		
09	SCT	NC			9.00	87	73	77	63	13	21	29.12	29.89	09	FEW	NC			10.00	69	55	61	61	9	12	29.52	30.32		
12	SCT	NC			10.00	92	73	78	54	15	23	29.09	29.86	12	SCT	NC			10.00	76	54	63	47	7	VR	29.51	30.30		
15	SCT	NC			10.00	94	73	79	51	14	21	29.06	29.83	15	FEW	NC			10.00	79	52	63	39	12	08	29.47	30.26		
18	BKN	250			8.00	86	76	79	72	6	23	29.08	29.85	18	SCT	NC			10.00	76	53	62	45	9	12	29.45	30.24		
21	BKN	250			10.00	82	75	77	79	13	32	29.13	29.91	21	FEW	NC			10.00	64	54	58	70	5	13	29.47	30.26		
24	OVC	065			10.00	76	64	68	67	18	36	29.18	29.96	24	CLR	NC			10.00	60	52	56	75	0	00	29.48	30.27		
SUNRISE: 0450 AUG 02						SUNSET: 1915						SUNRISE: 0456 AUG 08						SUNSET: 1908											
03	FEW	NC			10.00	68	56	61	66	8	36	29.25	30.03	03	CLR	NC			10.00	58	53	55	84	0	00	29.50	30.29		
06	FEW	NC			10.00	68	58	62	70	9	03	29.31	30.09	06	CLR	NC			10.00	60	56	58	86	0	00	29.52	30.31		
09	FEW	NC			10.00	76	53	62	45	10	05	29.31	30.09	09	SCT	NC			10.00	72	60	65	66	7	11	29.53	30.32		
12	CLR	NC			10.00	84	60	69	44	9	03	29.32	30.11	12	SCT	NC			10.00	79	54	64	42	5	VR	29.50	30.29		
15	FEW	NC			10.00	86	59	69	40	12	31	29.30	30.09	15	FEW	NC			10.00	81	56	66	42	7	13	29.45	30.24		
18	CLR	NC			10.00	82	59	68	46	8	08	29.30	30.08	18	FEW	NC			10.00	78	57	65	48	7	15	29.42	30.21		
21	CLR	NC			10.00	70	60	64	71	7	11	29.36	30.14	21	CLR	NC			10.00	68	56	61	66	7	11	29.44	30.23		
24	CLR	NC			10.00	65	59	61	81	3	09	29.36	30.14	24	CLR	NC			10.00	61	55	58	81	0	00	29.45	30.24		
SUNRISE: 0451 AUG 03						SUNSET: 1914						SUNRISE: 0457 AUG 09						SUNSET: 1907											
03	CLR	NC			10.00	61	57	59	87	3	21	29.37	30.16	03	CLR	NC			10.00	58	54	56	87	0	00	29.42	30.21		
06	SCT	NC			10.00	62	58	60	86	0	00	29.41	30.19	06	CLR	NC			9.00	58	56	57	93	0	00	29.47	30.26		
09	CLR	NC			10.00	77	60	66	56	7	11	29.42	30.21	09	FEW	NC			10.00	74	57	64	56	6	17	29.45	30.24		
12	CLR	NC			10.00	84	60	69	44	6	VR	29.37	30.16	12	FEW	NC			10.00	80	53	64	39	6	VR	29.40	30.19		
15	SCT	NC			10.00	89	61	71	39	10	16	29.33	30.11	15	SCT	NC			10.00	82	54	65	38	10	17	29.35	30.14		
18	FEW	NC			10.00	86	65	72	50	8	15	29.29	30.08	18	SCT	NC			10.00	79	51	63	38	6	17	29.32	30.11		
21	CLR	NC			10.00	76	70	72	82	3	17	29.30	30.08	21	FEW	NC			10.00	67	58	62	73	0	00	29.31	30.10		
24	BKN	200			7.00	75	72	73	90	5	17	29.30	30.08	24	CLR	NC			10.00	62	58	60	86	0	00	29.31	30.10		
SUNRISE: 0452 AUG 04						SUNSET: 1913						SUNRISE: 0458 AUG 10						SUNSET: 1905											
03	OVC	055			4.00	77	75	76	94	6	20	29.26	30.04	03	CLR	NC			9.00	61	58	59	90	3	15	29.28	30.07		
06	OVC	180			10.00	73	66	69	79	5	10	29.34	30.12	06	FEW	NC			7.00	62	58	60	86	5	16	29.27	30.06		
09	OVC	130			10.00	77	67	70	71	5	10	29.35	30.13	09	FEW	NC			10.00	78	60	67	54	10	21	29.26	30.05		
12	OVC	130			10.00	86	68	74	55	7	10	29.32	30.10	12	SCT	NC			10.00	87	58	69	37	9	26	29.24	30.02		
15	BKN	150			10.00	88	70	76	55	7	15	29.30	30.08	15	BKN	250			10.00	88	60	70	39	10	23	29.20	29.99		
18	OVC	050			10.00	78	72	74	82	14	01	29.30	30.08	18	BKN	250			10.00	84	62	70	48	9	22	29.18	29.97		
21	OVC	038			8.00	74	73	73	97	3	10	29.34	30.12	21	SCT	NC			9.00	73	64	67	74	0	00	29.20	29.99		
24	SCT	NC			6.00	73	72	72	96	3	05	29.31	30.09	24	CLR	NC			5.00	69	65	66	87	3	17	29.21	29.99		
SUNRISE: 0453 AUG 05						SUNSET: 1912						SUNRISE: 0460 AUG 11						SUNSET: 1904											
03	OVC	004			3.00	72	71	71	97	0	00	29.31	30.09	03	FEW	NC			5.00	67	64	65	91	5	18	29.21	29.99		
06	BKN	250			3.00	73	72	72	96	0	00	29.33	30.12	06	FEW	NC			3.00	67	64	65	91	3	20	29.23	30.01		
09	BKN	110			7.00	79	72	74	79	0	00	29.35	30.13	09	CLR	NC			8.00	84	67	73	57	5	VR	29.25	30.03		
12	BKN	150			8.00	86	70	75	59	3	VR	29.33	30.11	12	FEW	NC			10.00	90	63	72	41	7	VR	29.23	30.01		
15	BKN	065			7.00	78	74	75	87	7	09	29.32	30.11	15	SCT	NC			10.00	91	62	72	38	10	21	29.19	29.97		
18	BKN	090			10.00	77	68	71	74	15	07	29.35	30.14	18	BKN	250			5.00	83	69	74	63	10	18	29.17	29.95		
21	BKN	070			10.00	70	54	61	57	8	06	29.42	30.20	21	BKN	250			6.00	75	69	71	82	8	17	29.18	29.96		
24	CLR	NC			10.00	65	55	59	70	13	04	29.44	30.23	24	FEW	NC			6.00	72	69	70	91	8	18	29.18	29.96		
SUNRISE: 0454 AUG 06						SUNSET: 1911						SUNRISE: 0501 AUG 12						SUNSET: 1903											
03	CLR	NC			10.00	61	55	58	81	10	03	29.46	30.25	03	FEW	NC			6.00	68	67	67	96	5	18	29.17	29.95		
06	CLR	NC			10.00	60	55	57	84	8	04	29.49	30.28	06	BKN	250			2.50	69	67	68	93	5	19	29.16	29.95		
09	SCT	NC			10.00	70	56	62	61	9	08	29.50	30.29	09	OVC	250			6.00	81	67	72	62	15	21	29.16	29.94		
12	SCT	NC			10.00	75	54	63	48	12	08	29.50	30.29	12	SCT	NC			7.00	85	66	72	53	12	21	29.15	29.93		
15	FEW	NC			10.00	76	54	63	47	15	06	29.46	30.25	15	SCT	NC			7.00	89	67	74	48	21	20	29.11	29.88		
18	CLR	NC			10.00	71	50	59	47	13	07	29.44	30.23	18	BKN	140			8.00	83	68	73	61	14	21	29.12	29.90		
21	CLR	NC			10.00	62	52	56	70	5	06	29.49	30.29	21	OVC	110			7.00	67	65	66	93	8	32	29.18	29.97		
24	CLR	NC			10.00	59	54	56	83	7	06	29.49	30.28	24	BKN	120			6.00	67	65	66	93	3	25	29.16	29.94		

## OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

AUGUST 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: 0502	AUG 13			SUNSET: 1901										SUNRISE: 0508	AUG 19			SUNSET: 1853						
03	OVC	250			10.00		67	64	65	91	0	00	29.12	29.90	03	OVC	013			7.00	TS	63	62	62	97	12	36	29.07	29.85
06	OVC	075			7.00		68	66	67	93	12	15	29.12	29.89	06	OVC	032			10.00		63	58	60	84	8	03	29.12	29.90
09	BKN	150			8.00		75	68	70	79	7	18	29.11	29.89	09	BKN	250			10.00		68	57	61	68	8	01	29.19	29.98
12	OVC	055			7.00	-TSRA	77	68	71	74	7	27	29.07	29.84	12	SCT	NC			10.00		75	55	63	50	14	03	29.19	29.98
15	OVC	065			2.50	-RA BR	73	70	71	90	5	15	29.02	29.80	15	SCT	NC			10.00		78	52	63	40	13	32	29.19	29.97
18	OVC	090			3.00	-RA BR	71	70	70	96	5	24	29.04	29.82	18	CLR	NC			10.00		75	52	62	45	8	34	29.22	30.01
21	CLR	NC			10.00		69	66	67	90	0	00	29.05	29.83	21	CLR	NC			10.00		64	55	59	73	0	00	29.27	30.06
24	OVC	012			8.00		66	65	65	96	7	27	29.07	29.85	24	CLR	NC			10.00		60	56	58	86	0	00	29.29	30.08
					SUNRISE: 0503	AUG 14			SUNSET: 1860										SUNRISE: 0509	AUG 20			SUNSET: 1851						
03	OVC	019			10.00		64	62	63	93	5	32	29.06	29.84	03	CLR	NC			10.00		56	54	55	93	0	00	29.33	30.12
06	CLR	NC			8.00		63	60	61	90	7	31	29.10	29.88	06	CLR	NC			6.00	BR	56	54	55	93	3	09	29.35	30.14
09	BKN	150			8.00		64	60	62	87	6	29	29.12	29.91	09	BKN	250			10.00		70	57	62	64	7	12	29.39	30.18
12	SCT	NC			10.00		76	55	63	48	7	VR	29.11	29.88	12	BKN	250			10.00		76	55	63	48	10	15	29.37	30.16
15	SCT	NC			10.00		78	53	63	42	10	27	29.10	29.87	15	SCT	NC			10.00		78	56	65	47	13	10	29.32	30.11
18	CLR	NC			10.00		74	54	62	50	9	20	29.09	29.87	18	FEW	NC			10.00		73	53	61	50	14	17	29.31	30.10
21	CLR	NC			10.00		63	58	60	84	6	18	29.12	29.91	21	OVC	090			10.00		68	55	60	63	7	12	29.33	30.12
24	CLR	NC			10.00		60	57	58	90	5	18	29.12	29.91	24	BKN	250			10.00		64	58	60	81	8	13	29.32	30.11
					SUNRISE: 0504	AUG 15			SUNSET: 1858										SUNRISE: 0510	AUG 21			SUNSET: 1850						
03	CLR	NC			8.00		58	56	57	93	6	17	29.12	29.91	03	OVC	110			10.00		65	59	61	81	9	14	29.29	30.08
06	CLR	NC			3.00	BR	61	59	60	93	6	17	29.14	29.93	06	OVC	017			9.00		66	61	63	84	9	14	29.27	30.06
09	FEW	NC			10.00		75	65	69	71	13	20	29.14	29.93	09	OVC	250			8.00		76	67	70	74	15	16	29.25	30.03
12	SCT	NC			10.00		81	64	70	57	20	20	29.10	29.88	12	OVC	250			8.00		85	72	76	65	17	16	29.23	30.01
15	SCT	NC			10.00		83	65	71	55	17	22	29.07	29.85	15	BKN	250			8.00		88	74	78	63	20	19	29.15	29.93
18	SCT	NC			10.00		81	66	71	61	13	21	29.09	29.87	18	OVC	100			8.00		84	73	76	70	21	20	29.12	29.91
21	OVC	060			10.00		75	67	70	76	8	19	29.11	29.88	21	OVC	110			9.00		74	72	73	94	8	18	29.15	29.93
24	OVC	042			9.00		72	70	71	94	6	19	29.14	29.92	24	OVC	011			2.00	TSRA BR	70	69	69	97	13	03	29.19	29.97
					SUNRISE: 0505	AUG 16			SUNSET: 1857										SUNRISE: 0511	AUG 22			SUNSET: 1848						
03	OVC	120			9.00		71	67	68	87	7	32	29.17	29.95	03	OVC	034			2.50	+TSRA BR	70	68	69	93	7	VR	29.18	29.96
06	BKN	250			10.00		67	63	64	87	0	00	29.25	30.04	06	OVC	026			6.00	-TSRA BR	69	68	68	96	7	19	29.20	29.98
09	BKN	250			10.00		76	59	65	56	0	00	29.28	30.07	09	OVC	007			10.00	-RA	71	69	70	94	0	00	29.24	30.03
12	OVC	250			10.00		78	55	64	45	3	VR	29.29	30.07	12	OVC	022			10.00		75	70	72	84	7	36	29.25	30.03
15	BKN	250			10.00		80	60	67	51	5	VR	29.25	30.04	15	BKN	065			10.00		78	72	74	82	7	11	29.24	30.02
18	BKN	250			10.00		77	65	69	66	3	20	29.23	30.02	18	BKN	150			10.00		76	70	72	82	8	07	29.24	30.03
21	SCT	NC			10.00		70	66	67	87	10	16	29.21	30.00	21	BKN	120			7.00		67	65	66	93	10	05	29.27	30.06
24	BKN	120			5.00	BR	71	69	70	94	10	18	29.15	29.93	24	OVC	003			5.00	BR	65	64	64	97	9	08	29.25	30.04
					SUNRISE: 0506	AUG 17			SUNSET: 1856										SUNRISE: 0512	AUG 23			SUNSET: 1846						
03	CLR	NC			9.00		70	68	69	93	10	19	29.08	29.85	03	OVC	003			2.00	-RA BR	65	64	64	97	3	02	29.24	30.03
06	OVC	044			9.00		71	69	70	94	13	21	29.13	29.91	06	OVC	004			3.00	-RA BR	66	65	65	96	0	00	29.24	30.02
09	OVC	130			10.00		74	70	71	88	14	20	29.04	29.82	09	OVC	004			5.00	BR	69	67	68	93	5	04	29.19	29.98
12	BKN	029			10.00		85	69	74	59	21	24	29.04	29.81	12	OVC	004			3.00	-RA BR	70	69	69	97	3	30	29.20	29.99
15	BKN	250			10.00		85	66	72	53	23	25	29.04	29.81	15	OVC	015			10.00		77	70	72	79	5	35	29.15	29.93
18	SCT	NC			10.00		76	57	64	52	15	26	29.10	29.88	18	BKN	250			10.00		76	68	71	77	6	35	29.12	29.91
21	SCT	NC			10.00		66	56	60	70	12	28	29.17	29.96	21	OVC	120			7.00		70	69	69	97	0	00	29.14	29.93
24	CLR	NC			10.00		60	53	56	78	7	31	29.19	29.98	24	OVC	055			5.00	BR	70	68	69	93	0	00	29.14	29.93
					SUNRISE: 0507	AUG 18			SUNSET: 1854										SUNRISE: 0513	AUG 24			SUNSET: 1845						
03	CLR	NC			10.00		56	48	52	75	7	32	29.19	29.98	03	OVC	090			2.50	BR	69	68	68	96	7	35	29.12	29.91
06	FEW	NC			10.00		53	49	51	86	5	20	29.22	30.01	06	OVC	015			3.00	BR	69	67	68	93	6	34	29.16	29.95
09	FEW	NC			10.00		66	49	57	54	0																		

## ROCKFORD, IL

## AUGUST 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 OFFT	Observation Time (LST)	EFF CLD AMT <small>Okas</small>		Visibility (Miles)	Dry Bulb	Dew Point		Wet Bulb	Speed (MPH)	Direction Tens of DEG	Station		Sea Level	Sky Cover	Ceiling 100'S OFFT	Observation Time (LST)		EFF CLD AMT <small>Okas</small>	Visibility (Miles)	Dry Bulb		Dew Point	Wet Bulb	Speed (MPH)	Direction Tens of DEG	Station	Sea Level																																																																																																																																																																																																																																																																																																																																																	
<div>SUNRISE: 0514      AUG 25      SUNSET: 1843</div> <div>03 FEW NC      8.00      63 62 62 97 0 00 29.21 30.00      03 FEW NC      3.00 BR      64 62 63 93 5 13 29.49 30.28</div> <div>06 BKN 250      5.00 BR      63 62 62 97 0 00 29.25 30.03      06 BKN 250      2.00 BR      63 60 61 90 0 00 29.53 30.32</div> <div>09 BKN 250      10.00      77 68 71 74 0 00 29.25 30.04      09 BKN 250      10.00      74 61 66 64 7 13 29.54 30.32</div> <div>12 BKN 250      10.00      83 62 69 49 7 32 29.24 30.03      12 BKN 250      10.00      80 60 67 51 10 11 29.50 30.29</div> <div>15 SCT NC      10.00      84 64 71 51 12 29 29.20 29.99      15 SCT NC      10.00      81 58 67 46 5 VR 29.46 30.24</div> <div>18 SCT NC      10.00      80 66 71 62 8 04 29.19 29.98      18 CLR NC      9.00      77 61 67 58 5 08 29.44 30.23</div> <div>21 CLR NC      8.00      72 68 69 87 6 08 29.23 30.02      21 CLR NC      7.00      70 63 66 79 7 09 29.43 30.22</div> <div>24 FEW NC      3.00 BR      69 67 68 93 5 09 29.24 30.02      24 CLR NC      7.00      66 62 64 87 6 15 29.41 30.19</div> <div><div>SUNRISE: 0515      AUG 26      SUNSET: 1842</div><div>03 SCT NC      2.00 BR      66 65 65 96 3 01 29.25 30.03</div><div>06 VV 001      0.25 FG      66 66 66 100 5 02 29.27 30.06</div><div>09 SCT NC      7.00      72 66 68 82 6 05 29.28 30.05</div><div>12 SCT NC      10.00      79 63 69 58 5 VR 29.26 30.05</div><div>15 SCT NC      10.00      82 61 69 49 7 09 29.25 30.03</div><div>18 CLR NC      10.00      77 59 66 54 7 07 29.24 30.03</div><div>21 CLR NC      10.00      68 58 62 70 5 06 29.27 30.06</div><div>24 CLR NC      10.00      63 58 60 84 0 00 29.31 30.09</div><div><div>SUNRISE: 0516      AUG 27      SUNSET: 1840</div><div>03 CLR NC      10.00      61 59 60 93 3 02 29.32 30.11</div><div>06 CLR NC      8.00      65 62 63 90 10 06 29.35 30.14</div><div>09 FEW NC      9.00      76 67 70 74 7 10 29.38 30.16</div><div>12 SCT NC      10.00      82 64 70 55 10 09 29.39 30.17</div><div>15 SCT NC      10.00      82 65 71 56 10 09 29.38 30.17</div><div>18 CLR NC      10.00      78 64 69 62 9 08 29.38 30.16</div><div>21 CLR NC      9.00      70 66 67 87 10 06 29.42 30.21</div><div>24 OVC 007      8.00      67 64 65 91 9 06 29.45 30.24</div><div><div>SUNRISE: 0517      AUG 28      SUNSET: 1838</div><div>03 OVC 003      5.00 BR      66 65 65 96 7 05 29.45 30.24</div><div>06 FEW NC      5.00 BR      65 64 64 97 7 05 29.46 30.25</div><div>09 BKN 041      8.00      73 65 68 76 6 12 29.48 30.27</div><div>12 BKN 036      10.00      79 63 69 58 8 08 29.45 30.24</div><div>15 SCT NC      10.00      79 60 67 52 12 06 29.42 30.21</div><div>18 SCT NC      10.00      73 60 65 64 9 08 29.40 30.19</div><div>21 CLR NC      10.00      65 58 61 78 6 07 29.40 30.19</div><div>24 CLR NC      10.00      61 57 59 87 3 05 29.41 30.20</div><div><div>SUNRISE: 0518      AUG 29      SUNSET: 1837</div><div>03 CLR NC      10.00      60 57 58 90 6 05 29.39 30.18</div><div>06 CLR NC      2.00 BR      58 56 57 93 5 02 29.43 30.22</div><div>09 FEW NC      10.00      73 61 66 66 10 08 29.42 30.22</div><div>12 SCT NC      10.00      78 56 65 47 6 08 29.42 30.21</div><div>15 FEW NC      10.00      79 57 65 47 9 18 29.37 30.16</div><div>18 FEW NC      10.00      77 58 65 52 0 00 29.36 30.15</div><div>21 SCT NC      10.00      67 59 62 76 9 09 29.40 30.19</div><div>24 SCT NC      10.00      64 58 60 81 5 06 29.41 30.20</div><div><div>SUNRISE: 0519      AUG 30      SUNSET: 1835</div><div>03 FEW NC      10.00      62 57 59 84 3 02 29.43 30.22</div><div>06 SCT NC      10.00      60 55 57 84 3 03 29.47 30.26</div><div>09 CLR NC      10.00      73 65 68 76 10 08 29.48 30.27</div><div>12 BKN 070      10.00      80 65 70 60 7 14 29.46 30.25</div><div>15 BKN 080      10.00      79 65 70 62 8 08 29.45 30.24</div><div>18 CLR NC      8.00      77 63 68 62 6 08 29.45 30.24</div><div>21 CLR NC      8.00      69 60 64 73 8 08 29.48 30.27</div><div>24 CLR NC      7.00      65 60 62 84 3 VR 29.48 30.27</div></div></div></div></div></div>																												<div>3-HOURLY OBSERVATION NOTES</div> <div>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.</div> <div>Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.</div> <div>NC= No ceiling detected.</div> <div>&amp; = Original observation contained additional weather elements.</div> <div>See page 3 for additional notes.</div>																																																																																																																																																																																																																																																																																																																																																		
<div>SUMMARY BY HOUR</div> <table><tr><th rowspan="3">Hour (LST)</th><th colspan="8">AVERAGES</th><th colspan="2">RESULTANT</th></tr><tr><th rowspan="2">CEILOMETER</th><th rowspan="2">EFF CLD AMT</th><th rowspan="2">DRY BULB</th><th rowspan="2">DEW POINT</th><th rowspan="2">WET BULB</th><th rowspan="2">RELATIVE HUMIDITY</th><th colspan="2">PRESSURE (INCHES,HG)</th><th rowspan="2">VISIBILITY (MILES)</th><th rowspan="2">WIND SPEED (MPH)</th><th colspan="2">WIND (MPH)</th></tr><tr><th>STATION</th><th>SEA LEVEL</th><th>SPEED</th><th>DIRECTION</th></tr><tr><td>01</td><td></td><td></td><td>66</td><td>62</td><td>63</td><td>88</td><td>29.27</td><td>30.06</td><td>8.05</td><td>5</td><td>1</td><td>8</td></tr><tr><td>02</td><td></td><td></td><td>65</td><td>61</td><td>63</td><td>88</td><td>29.27</td><td>30.05</td><td>7.79</td><td>5</td><td>1</td><td>7</td></tr><tr><td>03</td><td></td><td></td><td>64</td><td>61</td><td>62</td><td>90</td><td>29.27</td><td>30.05</td><td>7.52</td><td>5</td><td>1</td><td>3</td></tr><tr><td>04</td><td></td><td></td><td>64</td><td>61</td><td>62</td><td>90</td><td>29.27</td><td>30.06</td><td>7.43</td><td>6</td><td>1</td><td>4</td></tr><tr><td>05</td><td></td><td></td><td>64</td><td>61</td><td>62</td><td>90</td><td>29.29</td><td>30.07</td><td>7.23</td><td>5</td><td>1</td><td>2</td></tr><tr><td>06</td><td></td><td></td><td>64</td><td>61</td><td>63</td><td>90</td><td>29.30</td><td>30.08</td><td>6.67</td><td>5</td><td>1</td><td>10</td></tr><tr><td>07</td><td></td><td></td><td>67</td><td>62</td><td>64</td><td>84</td><td>29.30</td><td>30.09</td><td>7.27</td><td>6</td><td>2</td><td>12</td></tr><tr><td>08</td><td></td><td></td><td>71</td><td>63</td><td>66</td><td>76</td><td>29.30</td><td>30.09</td><td>8.24</td><td>6</td><td>3</td><td>13</td></tr><tr><td>09</td><td></td><td></td><td>74</td><td>63</td><td>67</td><td>69</td><td>29.30</td><td>30.09</td><td>9.13</td><td>7</td><td>3</td><td>14</td></tr><tr><td>10</td><td></td><td></td><td>77</td><td>63</td><td>68</td><td>62</td><td>29.30</td><td>30.09</td><td>9.55</td><td>7</td><td>2</td><td>15</td></tr><tr><td>11</td><td></td><td></td><td>79</td><td>62</td><td>68</td><td>58</td><td>29.30</td><td>30.08</td><td>9.42</td><td>7</td><td>2</td><td>18</td></tr><tr><td>12</td><td></td><td></td><td>80</td><td>62</td><td>68</td><td>54</td><td>29.29</td><td>30.07</td><td>9.45</td><td>7</td><td>1</td><td>17</td></tr><tr><td>13</td><td></td><td></td><td>81</td><td>62</td><td>69</td><td>53</td><td>29.28</td><td>30.06</td><td>9.26</td><td>9</td><td>3</td><td>19</td></tr><tr><td>14</td><td></td><td></td><td>82</td><td>62</td><td>69</td><td>52</td><td>29.27</td><td>30.05</td><td>9.71</td><td>8</td><td>2</td><td>21</td></tr><tr><td>15</td><td></td><td></td><td>82</td><td>62</td><td>69</td><td>52</td><td>29.26</td><td>30.04</td><td>9.50</td><td>10</td><td>3</td><td>18</td></tr><tr><td>16</td><td></td><td></td><td>82</td><td>62</td><td>69</td><td>52</td><td>29.25</td><td>30.03</td><td>9.61</td><td>10</td><td>3</td><td>18</td></tr><tr><td>17</td><td></td><td></td><td>80</td><td>62</td><td>69</td><td>55</td><td>29.25</td><td>30.03</td><td>9.39</td><td>9</td><td>2</td><td>18</td></tr><tr><td>18</td><td></td><td></td><td>78</td><td>62</td><td>68</td><td>60</td><td>29.25</td><td>30.04</td><td>9.32</td><td>9</td><td>3</td><td>15</td></tr><tr><td>19</td><td></td><td></td><td>74</td><td>62</td><td>67</td><td>68</td><td>29.26</td><td>30.04</td><td>9.31</td><td>7</td><td>2</td><td>12</td></tr><tr><td>20</td><td></td><td></td><td>71</td><td>62</td><td>66</td><td>74</td><td>29.27</td><td>30.05</td><td>9.65</td><td>7</td><td>3</td><td>11</td></tr><tr><td>21</td><td></td><td></td><td>70</td><td>62</td><td>65</td><td>79</td><td>29.28</td><td>30.07</td><td>9.19</td><td>6</td><td>2</td><td>10</td></tr><tr><td>22</td><td></td><td></td><td>69</td><td>62</td><td>65</td><td>81</td><td>29.28</td><td>30.07</td><td>8.52</td><td>6</td><td>3</td><td>10</td></tr><tr><td>23</td><td></td><td></td><td>67</td><td>62</td><td>64</td><td>83</td><td>29.28</td><td>30.07</td><td>8.16</td><td>5</td><td>2</td><td>8</td></tr><tr><td>24</td><td></td><td></td><td>66</td><td>62</td><td>64</td><td>87</td><td>29.28</td><td>30.07</td><td>8.00</td><td>5</td><td>2</td><td>7</td></tr></table>																												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			66	62	63	88	29.27	30.06	8.05	5	1	8	02			65	61	63	88	29.27	30.05	7.79	5	1	7	03			64	61	62	90	29.27	30.05	7.52	5	1	3	04			64	61	62	90	29.27	30.06	7.43	6	1	4	05			64	61	62	90	29.29	30.07	7.23	5	1	2	06			64	61	63	90	29.30	30.08	6.67	5	1	10	07			67	62	64	84	29.30	30.09	7.27	6	2	12	08			71	63	66	76	29.30	30.09	8.24	6	3	13	09			74	63	67	69	29.30	30.09	9.13	7	3	14	10			77	63	68	62	29.30	30.09	9.55	7	2	15	11			79	62	68	58	29.30	30.08	9.42	7	2	18	12			80	62	68	54	29.29	30.07	9.45	7	1	17	13			81	62	69	53	29.28	30.06	9.26	9	3	19	14			82	62	69	52	29.27	30.05	9.71	8	2	21	15			82	62	69	52	29.26	30.04	9.50	10	3	18	16			82	62	69	52	29.25	30.03	9.61	10	3	18	17			80	62	69	55	29.25	30.03	9.39	9	2	18	18			78	62	68	60	29.25	30.04	9.32	9	3	15	19			74	62	67	68	29.26	30.04	9.31	7	2	12	20			71	62	66	74	29.27	30.05	9.65	7	3	11	21			70	62	65	79	29.28	30.07	9.19	6	2	10	22			69	62	65	81	29.28	30.07	8.52	6	3	10	23			67	62	64	83	29.28	30.07	8.16	5	2	8	24			66	62	64	87	29.28	30.07	8.00	5	2	7
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			66	62	63	88	29.27	30.06	8.05	5	1	8																																																																																																																																																																																																																																																																																																																																																																		
02			65	61	63	88	29.27	30.05	7.79	5	1	7																																																																																																																																																																																																																																																																																																																																																																		
03			64	61	62	90	29.27	30.05	7.52	5	1	3																																																																																																																																																																																																																																																																																																																																																																		
04			64	61	62	90	29.27	30.06	7.43	6	1	4																																																																																																																																																																																																																																																																																																																																																																		
05			64	61	62	90	29.29	30.07	7.23	5	1	2																																																																																																																																																																																																																																																																																																																																																																		
06			64	61	63	90	29.30	30.08	6.67	5	1	10																																																																																																																																																																																																																																																																																																																																																																		
07			67	62	64	84	29.30	30.09	7.27	6	2	12																																																																																																																																																																																																																																																																																																																																																																		
08			71	63	66	76	29.30	30.09	8.24	6	3	13																																																																																																																																																																																																																																																																																																																																																																		
09			74	63	67	69	29.30	30.09	9.13	7	3	14																																																																																																																																																																																																																																																																																																																																																																		
10			77	63	68	62	29.30	30.09	9.55	7	2	15																																																																																																																																																																																																																																																																																																																																																																		
11			79	62	68	58	29.30	30.08	9.42	7	2	18																																																																																																																																																																																																																																																																																																																																																																		
12			80	62	68	54	29.29	30.07	9.45	7	1	17																																																																																																																																																																																																																																																																																																																																																																		
13			81	62	69	53	29.28	30.06	9.26	9	3	19																																																																																																																																																																																																																																																																																																																																																																		
14			82	62	69	52	29.27	30.05	9.71	8	2	21																																																																																																																																																																																																																																																																																																																																																																		
15			82	62	69	52	29.26	30.04	9.50	10	3	18																																																																																																																																																																																																																																																																																																																																																																		
16			82	62	69	52	29.25	30.03	9.61	10	3	18																																																																																																																																																																																																																																																																																																																																																																		
17			80	62	69	55	29.25	30.03	9.39	9	2	18																																																																																																																																																																																																																																																																																																																																																																		
18			78	62	68	60	29.25	30.04	9.32	9	3	15																																																																																																																																																																																																																																																																																																																																																																		
19			74	62	67	68	29.26	30.04	9.31	7	2	12																																																																																																																																																																																																																																																																																																																																																																		
20			71	62	66	74	29.27	30.05	9.65	7	3	11																																																																																																																																																																																																																																																																																																																																																																		
21			70	62	65	79	29.28	30.07	9.19	6	2	10																																																																																																																																																																																																																																																																																																																																																																		
22			69	62	65	81	29.28	30.07	8.52	6	3	10																																																																																																																																																																																																																																																																																																																																																																		
23			67	62	64	83	29.28	30.07	8.16	5	2	8																																																																																																																																																																																																																																																																																																																																																																		
24			66	62	64	87	29.28	30.07	8.00	5	2	7																																																																																																																																																																																																																																																																																																																																																																		

### 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.

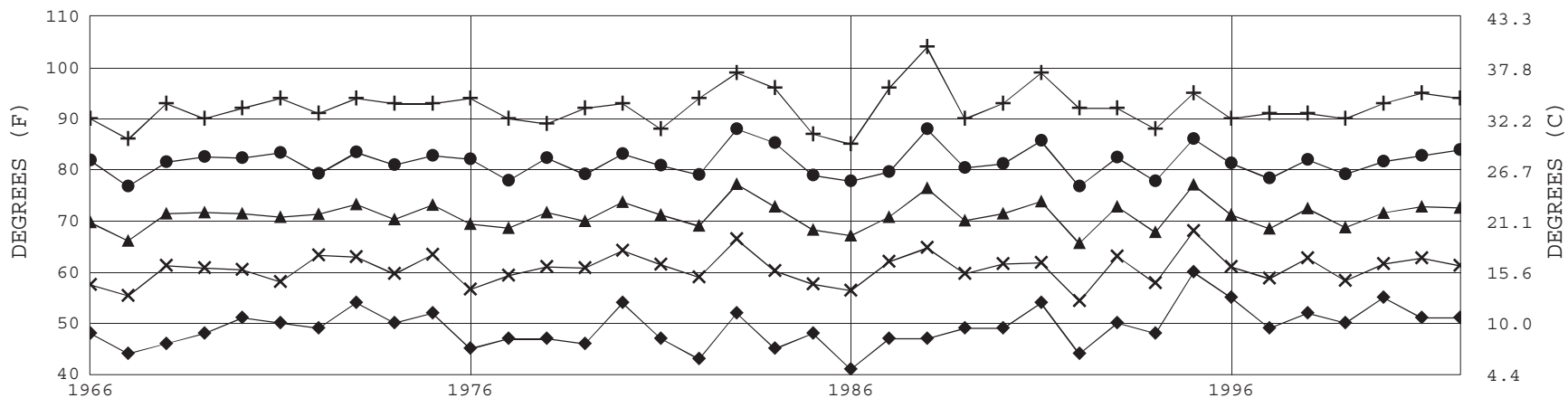
See page 3 for additional notes.

## 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			66	62	63	88	29.27	30.06	8.05	5	1	8
02			65	61	63	88	29.27	30.05	7.79	5	1	7
03			64	61	62	90	29.27	30.05	7.52	5	1	3
04			64	61	62	90	29.27	30.06	7.43	6	1	4
05			64	61	62	90	29.29	30.07	7.23	5	1	2
06			64	61	63	90	29.30	30.08	6.67	5	1	10
07			67	62	64	84	29.30	30.09	7.27	6	2	12
08			71	63	66	76	29.30	30.09	8.24	6	3	13
09			74	63	67	69	29.30	30.09	9.13	7	3	14
10			77	63	68	62	29.30	30.09	9.55	7	2	15
11			79	62	68	58	29.30	30.08	9.42	7	2	18
12			80	62	68	54	29.29	30.07	9.45	7	1	17
13			81	62	69	53	29.28	30.06	9.26	9	3	19
14			82	62	69	52	29.27	30.05	9.71	8	2	21
15			82	62	69	52	29.26	30.04	9.50	10	3	18
16			82	62	69	52	29.25	30.03	9.61	10	3	18
17			80	62	69	55	29.25	30.03	9.39	9	2	18
18			78	62	68	60	29.25	30.04	9.32	9	3	15
19			74	62	67	68	29.26	30.04	9.31	7	2	12
20			71	62	66	74	29.27	30.05	9.65	7	3	11
21			70	62	65	79	29.28	30.07	9.19	6	2	10
22			69	62	65	81	29.28	30.07	8.52	6	3	10
23			67	62	64	83	29.28	30.07	8.16	5	2	8
24			66	62	64	87	29.28	30.07	8.00	5	2	7



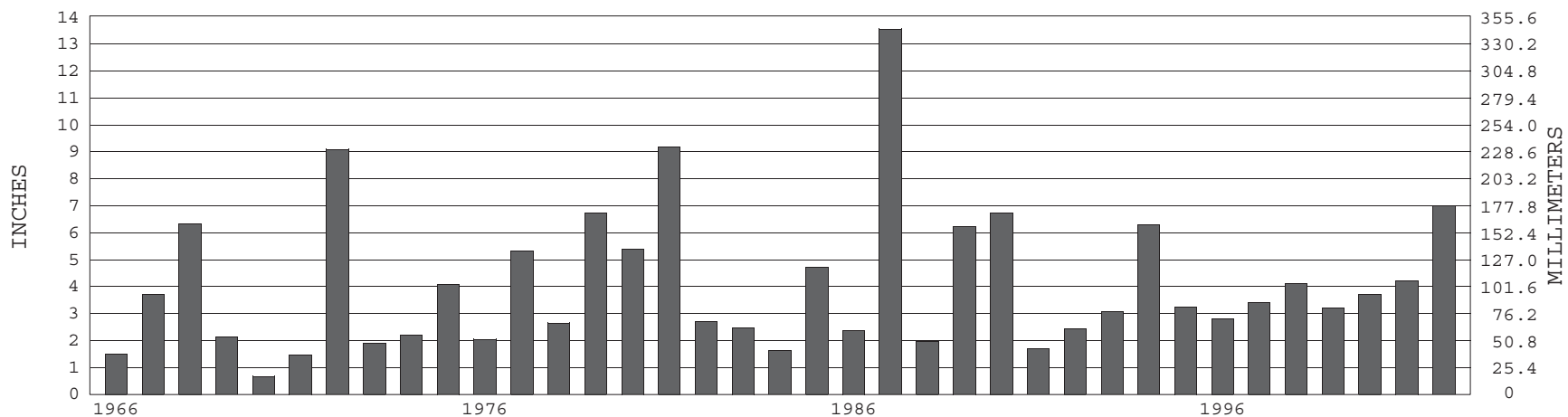
## ROCKFORD, IL AUGUST TEMPERATURES



+ Extreme Max.    ● Mean Max.    ▲ Mean    × Mean Min.    ◆ Extreme Min.

Long-Term (1966-2002) Mean: 71.1    1961-1990 Normal: 70.9

## ROCKFORD, IL AUGUST PRECIPITATION



Long-Term (1966-2002) Mean Monthly Total: 4.11

1961-1990 Normal: 4.21



AUGUST 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](http://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](mailto:ncdc.info@noaa.gov)  
Local Climatological Data is available at [www.ncdc.noaa.gov](http://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