



GREATER ROCKFORD AIRPORT (RFD)
 Lat: 42°11' N Long: 89°05' W Elev (Ground): 728 Feet
 Time Zone: CENTRAL WBAN: 94822 ISSN #: 0198-1919

**SEPTEMBER 2002
ROCKFORD, IL**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

SEPTEMBER 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							0.12	0.20	0.42	0.08	0.04		01												01			0.00	
02													02												02			0.86	
03													03												03			0.00	
04													04												04			0.00	
05													05												05			0.00	
06													06												06			0.00	
07													07												07			0.00	
08													08												08			0.00	
09													09												09			0.00	
10													10		T	0.04	T	T							10			0.04	
11													11												11			0.00	
12													12												12			0.00	
13													13												13			0.00	
14													14												14			0.00	
15													15												15			0.00	
16													16												16			0.00	
17													17												17			0.00	
18	T	T	0.10	0.20	0.04		0.01						18					T							18			0.35	
19													19	0.22						0.10					19			0.54	
20							0.03	T	0.70	0.05		0.11	20			T									20			0.78	
21													21												21			0.00	
22	0.01	T	0.01										22												22			0.02	
23													23												23			0.00	
24													24												24			0.00	
25													25												25			0.00	
26													26												26			0.00	
27													27												27			0.00	
28													28								T	T	T	0.03	0.06	28			0.09
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)	.22	.35	.51	.62	.72	.74	.75	.75	.76	.77	.78	.78
Ending Date	20	20	20	20	20	20	20	20	20	20	20	20
Ending Time (Hour/Min)	0734	0740	0744	0748	0757	0803	0826	0826	0803	0803	0826	0826

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
SEPTEMBER 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							1.50	8.00	
02							1.25	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							9.00	10.00	
06							2.00	10.00	
07							3.00	10.00	
08							1.75	9.00	
09							2.50	8.00	
10							2.00	10.00	
11							10.00	10.00	
12							8.00	10.00	
13							10.00	10.00	
14							3.00	10.00	
15							4.00	10.00	
16							.50	10.00	
17							6.00	10.00	
18							2.00	10.00	
19							2.00	10.00	
20							1.00	10.00	
21							5.00	10.00	
22							10.00	10.00	
23							9.00	10.00	
24							10.00	10.00	
25							9.00	10.00	
26							4.00	10.00	
27							2.50	10.00	
28							2.00	10.00	
29							2.50	10.00	
30							8.00	10.00	
MONTHLY AVGS							5.36	9.83	
<p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p align="center">Percent Possible:</p>									
<p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">30</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">0 14 11</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

SEPTEMBER 2002

RFD

WBAN # 94822

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES,HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				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	RELATIVE HUMIDITY (PCT)	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	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0522	SEP 01			SUNSET: 1832										SUNRISE: 0528	SEP 07									
03	CLR	NC			4.00	BR	63	61	62	93	0	00	29.40	30.19	03	CLR	NC			7.00	61	57	59	87	0	00	29.31	30.10	
06	SCT	NC			2.00	BR	63	60	61	90	0	00	29.40	30.19	06	FEW	NC			3.00	58	56	57	93	0	00	29.35	30.14	
09	SCT	NC			6.00	HZ	75	67	70	76	5	VR	29.38	30.17	09	CLR	NC			10.00	75	63	67	66	5	21	29.37	30.16	
12	SCT	NC			7.00		82	64	70	55	6	21	29.33	30.12	12	CLR	NC			10.00	84	62	70	48	7	19	29.35	30.14	
15	SCT	NC			7.00		83	64	71	53	6	VR	29.26	30.05	15	CLR	NC			10.00	86	60	69	42	0	00	29.33	30.12	
18	SCT	NC			5.00	HZ	77	66	70	69	7	17	29.22	30.01	18	CLR	NC			8.00	80	65	70	60	5	11	29.34	30.13	
21	SCT	NC			5.00	HZ	71	64	67	79	7	17	29.21	30.00	21	CLR	NC			7.00	73	64	67	74	3	17	29.37	30.16	
24	SCT	NC			4.00	BR	69	65	66	87	9	17	29.19	29.97	24	CLR	NC			4.00	65	60	62	84	0	00	29.37	30.15	
					SUNRISE: 0523	SEP 02			SUNSET: 1830										SUNRISE: 0529	SEP 08									
03	SCT	NC			3.00	BR	69	66	67	90	12	18	29.12	29.89	03	CLR	NC			2.50	62	60	61	93	0	00	29.38	30.16	
06	OVC	080			4.00	HZ	71	66	68	84	8	01	29.16	29.95	06	CLR	NC			2.50	61	58	59	90	0	00	29.41	30.20	
09	OVC	035			6.00	-TSRA BR	65	64	64	97	13	12	29.21	30.00	09	CLR	NC			6.00	77	66	70	69	6	VR	29.43	30.21	
12	CLR	NC			8.00		73	68	70	84	16	18	29.11	29.88	12	CLR	NC			9.00	87	70	75	57	6	21	29.39	30.18	
15	BKN	220			6.00	HZ	80	71	74	74	18	17	29.03	29.80	15	FEW	NC			8.00	89	67	74	48	7	21	29.35	30.14	
18	CLR	NC			7.00		81	70	73	69	15	19	28.98	29.75	18	FEW	NC			9.00	84	70	74	63	5	21	29.35	30.14	
21	CLR	NC			8.00		76	70	72	82	9	20	29.01	29.79	21	CLR	NC			7.00	74	69	71	85	0	00	29.37	30.16	
24	OVC	043			10.00		76	61	67	60	16	34	29.09	29.87	24	CLR	NC			6.00	70	68	69	93	0	00	29.39	30.17	
					SUNRISE: 0524	SEP 03			SUNSET: 1829										SUNRISE: 0530	SEP 09									
03	FEW	NC			10.00		66	56	60	70	9	34	29.12	29.91	03	CLR	NC			4.00	67	66	66	97	0	00	29.37	30.16	
06	CLR	NC			10.00		61	56	58	84	3	33	29.20	29.98	06	CLR	NC			3.00	65	64	64	97	0	00	29.39	30.17	
09	CLR	NC			10.00		72	57	63	60	10	31	29.24	30.02	09	CLR	NC			5.00	80	71	74	74	3	19	29.38	30.16	
12	CLR	NC			10.00		78	52	63	40	13	30	29.25	30.03	12	FEW	NC			7.00	87	70	75	57	8	23	29.34	30.13	
15	CLR	NC			10.00		80	51	63	37	12	29	29.25	30.03	15	SCT	NC			8.00	87	69	75	55	5	26	29.30	30.08	
18	CLR	NC			10.00		73	55	62	53	6	27	29.26	30.05	18	CLR	NC			6.00	83	69	74	63	3	22	29.27	30.06	
21	CLR	NC			10.00		64	57	60	78	0	00	29.30	30.09	21	CLR	NC			4.00	73	70	71	90	0	00	29.27	30.06	
24	CLR	NC			10.00		60	56	58	86	0	00	29.32	30.11	24	CLR	NC			3.00	69	67	68	93	3	16	29.25	30.03	
					SUNRISE: 0525	SEP 04			SUNSET: 1827										SUNRISE: 0531	SEP 10									
03	CLR	NC			10.00		56	54	55	93	0	00	29.35	30.14	03	CLR	NC			2.50	67	65	66	93	5	18	29.22	30.01	
06	CLR	NC			10.00		54	53	53	97	0	00	29.40	30.19	06	CLR	NC			2.50	65	63	64	93	6	19	29.20	29.99	
09	FEW	NC			10.00		71	59	64	66	0	00	29.44	30.23	09	BKN	250			6.00	78	65	70	64	9	26	29.18	29.96	
12	FEW	NC			10.00		80	55	65	42	0	00	29.43	30.22	12	BKN	250			10.00	87	61	70	42	16	26	29.14	29.92	
15	FEW	NC			10.00		82	56	66	41	7	32	29.40	30.19	15	OVC	050			4.00	70	68	69	93	10	33	29.16	29.95	
18	CLR	NC			10.00		78	59	66	52	7	30	29.39	30.18	18	SCT	NC			10.00	66	61	63	84	8	35	29.20	30.00	
21	CLR	NC			10.00		67	61	63	81	5	09	29.41	30.20	21	OVC	041			10.00	66	55	60	68	16	03	29.26	30.05	
24	CLR	NC			10.00		63	58	60	84	0	00	29.42	30.21	24	CLR	NC			10.00	57	52	54	83	8	35	29.28	30.07	
					SUNRISE: 0526	SEP 05			SUNSET: 1825										SUNRISE: 0532	SEP 11									
03	CLR	NC			10.00		58	56	57	93	0	00	29.40	30.19	03	CLR	NC			10.00	55	51	53	87	6	35	29.30	30.10	
06	CLR	NC			10.00		57	54	55	90	0	00	29.42	30.21	06	CLR	NC			10.00	53	51	52	93	6	33	29.34	30.14	
09	FEW	NC			10.00		70	61	64	73	6	18	29.44	30.23	09	FEW	NC			10.00	66	53	59	63	8	03	29.36	30.16	
12	FEW	NC			10.00		77	60	66	56	7	13	29.42	30.22	12	FEW	NC			10.00	73	49	59	43	9	08	29.34	30.13	
15	FEW	NC			10.00		80	59	67	49	8	08	29.37	30.16	15	FEW	NC			10.00	75	48	60	39	10	06	29.30	30.10	
18	FEW	NC			10.00		74	55	63	52	8	08	29.34	30.14	18	CLR	NC			10.00	70	48	58	46	6	05	29.30	30.09	
21	CLR	NC			10.00		65	57	60	76	6	11	29.35	30.14	21	CLR	NC			10.00	58	51	54	78	0	00	29.32	30.11	
24	CLR	NC			10.00		60	57	58	90	3	12	29.33	30.12	24	CLR	NC			10.00	53	50	51	89	0	00	29.32	30.11	
					SUNRISE: 0527	SEP 06			SUNSET: 1823										SUNRISE: 0533	SEP 12									
03	CLR	NC			8.00		56	55	55	97	0	00	29.32	30.11	03	CLR	NC			10.00	51	48	50	89	0	00	29.31	30.11	
06	BKN	250			2.50	BR	57	56	56	96	0	00	29.33	30.12	06	CLR	NC			8.00	47	46	46	97	3	17	29.35	30.14	
09	SCT	NC			9.00		72	63	66	73	6	18	29.35	30.14	09	CLR	NC			10.00	66	49	57	54	3	20	29.35	30.15	
12	SCT	NC			10.00		79	63	69	58	6	VR	29.29	30.08	12	SCT	NC			10.00	74	47	59	38	0	00	29.30	30.10	
15	FEW	NC			10.00		83	63	70	51	12	18	29.25	30.04	15	FEW	NC			10.00	77	48	60						

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

SEPTEMBER 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: 0534	SEP 13			SUNSET: 1811										SUNRISE: 0540	SEP 19			SUNSET: 1759						
03	CLR	NC			10.00	52	50	51	93	0	00	29.25	30.04	03	OVC	016			7.00	71	68	69	90	12	17	28.87	29.65		
06	BKN	250			10.00	49	47	48	93	3	20	29.27	30.07	06	OVC	018			5.00	BR	72	69	70	91	16	16	28.87	29.65	
09	OVC	250			10.00	66	53	59	63	0	00	29.28	30.08	09	OVC	014			6.00	HZ	76	71	73	85	15	20	28.86	29.63	
12	OVC	250			10.00	76	51	61	42	9	17	29.23	30.02	12	OVC	022			6.00	-TSRA BR	71	69	70	94	0	00	28.84	29.62	
15	BKN	150			10.00	76	51	61	42	6	15	29.19	29.98	15	BKN	250			10.00		82	64	70	55	16	23	28.80	29.57	
18	BKN	250			10.00	70	54	61	57	6	10	29.16	29.96	18	BKN	080			10.00		75	66	69	74	10	20	28.84	29.62	
21	FEW	NC			10.00	61	52	56	72	5	13	29.16	29.95	21	OVC	120			10.00		71	67	68	87	8	21	28.88	29.65	
24	FEW	NC			10.00	59	52	55	78	0	00	29.13	29.92	24	BKN	120			8.00		69	67	68	93	9	17	28.87	29.65	
					SUNRISE: 0535	SEP 14			SUNSET: 1810										SUNRISE: 0541	SEP 20			SUNSET: 1757						
03	CLR	NC			10.00	58	50	54	75	0	00	29.12	29.91	03	OVC	008			6.00	BR	70	68	69	93	14	16	28.81	29.59	
06	OVC	250			6.00 HZ	55	50	52	83	0	00	29.12	29.92	06	OVC	014			8.00		70	67	68	90	14	18	28.82	29.60	
09	BKN	250			10.00	71	54	61	55	7	20	29.12	29.91	09	OVC	012			9.00	-RA	69	68	68	96	12	22	28.81	29.59	
12	OVC	250			10.00	76	53	62	45	5	22	29.10	29.88	12	OVC	065			10.00		70	64	66	82	15	24	28.80	29.58	
15	OVC	065			10.00	76	57	64	52	9	23	29.08	29.86	15	OVC	045			10.00		67	61	63	81	8	24	28.79	29.57	
18	OVC	050			10.00	70	61	64	73	9	30	29.12	29.91	18	OVC	055			10.00		66	59	62	78	7	22	28.85	29.62	
21	OVC	015			6.00 HZ	67	62	64	84	7	35	29.18	29.97	21	SCT	NC			10.00		62	58	60	86	7	22	28.93	29.72	
24	OVC	070			3.00 BR	64	61	62	90	7	35	29.22	30.01	24	CLR	NC			10.00		60	57	58	90	8	21	28.96	29.74	
					SUNRISE: 0536	SEP 15			SUNSET: 1808										SUNRISE: 0543	SEP 21			SUNSET: 1755						
03	OVC	028			7.00	63	59	61	87	15	01	29.25	30.04	03	CLR	NC			9.00		55	54	54	96	6	17	29.01	29.79	
06	OVC	016			10.00	58	50	54	75	15	02	29.33	30.13	06	CLR	NC			5.00	BR	54	53	53	97	0	00	29.10	29.89	
09	SCT	NC			10.00	63	53	57	70	10	02	29.35	30.15	09	CLR	NC			10.00		65	55	59	70	6	05	29.13	29.92	
12	SCT	NC			10.00	71	55	62	57	12	02	29.34	30.14	12	CLR	NC			10.00		73	56	63	55	5	27	29.13	29.92	
15	BKN	048			10.00	72	52	60	50	7	36	29.31	30.10	15	FEW	NC			10.00		74	55	63	52	9	01	29.13	29.93	
18	SCT	NC			10.00	67	53	59	61	7	06	29.31	30.11	18	BKN	140			10.00		64	45	54	50	9	34	29.19	29.99	
21	CLR	NC			10.00	57	50	53	78	5	08	29.34	30.14	21	OVC	049			10.00		59	41	50	51	8	35	29.26	30.05	
24	CLR	NC			10.00	51	49	50	92	0	00	29.34	30.13	24	OVC	070			10.00		57	45	51	64	5	31	29.28	30.07	
					SUNRISE: 0537	SEP 16			SUNSET: 1806										SUNRISE: 0544	SEP 22			SUNSET: 1754						
03	CLR	NC			6.00 BR	49	46	47	90	0	00	29.33	30.12	03	OVC	070			10.00		54	48	51	80	0	00	29.31	30.10	
06	BKN	001			0.50 FG	45	44	45	97	5	19	29.35	30.16	06	FEW	NC			10.00		52	49	50	89	3	23	29.31	30.11	
09	CLR	NC			10.00	64	51	57	63	6	22	29.37	30.17	09	SCT	NC			10.00		57	47	52	69	8	29	29.33	30.13	
12	CLR	NC			10.00	72	49	59	44	7	32	29.34	30.14	12	SCT	NC			10.00		64	34	50	33	15	29	29.31	30.11	
15	CLR	NC			10.00	76	47	60	36	6	VR	29.28	30.07	15	SCT	NC			10.00		65	36	51	34	16	29	29.30	30.10	
18	CLR	NC			10.00	72	48	59	43	3	23	29.25	30.05	18	CLR	NC			10.00		57	35	47	44	9	30	29.32	30.12	
21	CLR	NC			10.00	58	53	55	84	3	15	29.26	30.06	21	CLR	NC			10.00		50	38	44	63	3	27	29.37	30.17	
24	CLR	NC			10.00	54	50	52	87	0	00	29.26	30.06	24	CLR	NC			10.00		42	39	41	89	5	18	29.40	30.21	
					SUNRISE: 0538	SEP 17			SUNSET: 1804										SUNRISE: 0545	SEP 23			SUNSET: 1752						
03	CLR	NC			8.00	51	49	50	92	0	00	29.26	30.05	03	CLR	NC			9.00		41	40	41	96	3	18	29.40	30.21	
06	FEW	NC			6.00 BR	50	48	49	93	0	00	29.28	30.08	06	FEW	NC			10.00		40	38	39	93	3	16	29.41	30.22	
09	SCT	NC			10.00	69	56	61	63	3	VR	29.29	30.08	09	FEW	NC			10.00		57	41	49	55	12	20	29.40	30.21	
12	BKN	250			10.00	76	56	64	50	9	15	29.22	30.02	12	SCT	NC			10.00		65	39	52	39	15	19	29.34	30.14	
15	BKN	250			10.00	77	55	64	47	10	17	29.16	29.95	15	BKN	090			10.00		68	38	53	33	21	21	29.27	30.07	
18	BKN	250			10.00	71	55	62	57	5	10	29.12	29.92	18	SCT	NC			10.00		63	35	50	35	20	29	29.30	30.10	
21	BKN	250			10.00	65	53	58	66	8	12	29.12	29.90	21	CLR	NC			10.00		51	38	45	61	14	31	29.39	30.19	
24	OVC	120			10.00	64	52	57	65	0	00	29.09	29.87	24	CLR	NC			10.00		45	37	41	74	8	31	29.45	30.25	
					SUNRISE: 0539	SEP 18			SUNSET: 1803										SUNRISE: 0546	SEP 24			SUNSET: 1750						
03	OVC	042			4.00 -RA BR	60	58	59	93	3	21	29.06	29.84	03	CLR	NC			10.00		40	36	38	86	8	34	29.50	30.30	
06	OVC	047			2.00 BR	60	59	59	96	3	22	29.04	29.82	06	CLR	NC			10.00		38	36	37	93	0	00	29.55	30.35	
09	BKN	095			5.00 BR	67	63	64	87	6	19	29.04	29.82	09	CLR	NC			10.00		52	40	46	64	7	03	29.57	30.38	
12	SCT	NC			7.00	74	64	68	71	14	18	29.00	29.78	12	CLR	NC			10.00		58	37	48	46	3	VR	29.55	30.36	
15	BKN	250			5.00 HZ	76	67	70	74	7	17	28.96	29.74	15	CLR	NC			10.00		61	35	49	38	3	VR	29.51	30.32	
18	OVC	130	</																										

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

SEPTEMBER 2002

RFD

WBAN # 94822

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
				OBSERVATION TIME (LST)	EFF CLD AMT Okta		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
						SUNRISE: 0547	SEP 25			SUNSET: 1748				
03	SCT	NC			10.00		46	43	45	89	0	00	29.52	30.32
06	SCT	NC			9.00		45	42	44	90	6	14	29.49	30.30
09	SCT	NC			10.00		57	45	51	64	8	17	29.48	30.29
12	SCT	NC			10.00		68	44	55	42	9	14	29.42	30.22
15	CLR	NC			10.00		74	43	57	33	12	16	29.34	30.14
18	CLR	NC			10.00		64	47	55	54	6	11	29.33	30.13
21	CLR	NC			10.00		59	44	51	58	5	13	29.31	30.11
24	CLR	NC			10.00		54	47	50	77	5	15	29.27	30.07
						SUNRISE: 0548	SEP 26			SUNSET: 1747				
03	CLR	NC			10.00		50	47	48	89	0	00	29.25	30.05
06	CLR	NC			7.00		49	46	47	90	0	00	29.23	30.03
09	CLR	NC			8.00		64	51	57	63	3	VR	29.21	30.01
12	FEW	NC			10.00		74	48	59	40	5	VR	29.15	29.94
15	SCT	NC			10.00		76	49	60	39	9	07	29.07	29.85
18	SCT	NC			10.00		70	50	59	49	6	08	29.05	29.83
21	CLR	NC			9.00		61	51	56	70	9	07	29.05	29.83
24	CLR	NC			4.00	BR	59	56	57	90	8	05	29.01	29.78
						SUNRISE: 0549	SEP 27			SUNSET: 1745				
03	OVC	008			4.00	BR	58	55	56	90	15	02	28.99	29.77
06	OVC	010			6.00	BR	56	53	54	90	15	02	29.02	29.81
09	OVC	010			5.00	HZ	58	53	55	84	14	01	29.06	29.84
12	OVC	014			7.00		62	54	57	75	9	04	29.08	29.86
15	OVC	070			7.00		60	52	56	75	12	01	29.11	29.90
18	OVC	022			9.00		58	51	54	78	13	02	29.18	29.98
21	OVC	028			10.00		58	50	54	75	10	05	29.23	30.03
24	CLR	NC			10.00		53	41	47	64	7	05	29.26	30.06
						SUNRISE: 0550	SEP 28			SUNSET: 1743				
03	CLR	NC			10.00		49	44	47	83	0	00	29.30	30.10
06	CLR	NC			9.00		47	44	46	90	3	03	29.34	30.14
09	SCT	NC			10.00		61	53	57	75	6	12	29.38	30.18
12	BKN	033			10.00		70	55	61	59	10	18	29.32	30.12
15	BKN	250			10.00		74	54	62	50	6	20	29.26	30.06
18	OVC	250			7.00		68	58	62	70	0	00	29.26	30.06
21	OVC	150			7.00		64	56	59	75	0	00	29.26	30.06
24	OVC	080			2.50	BR	62	59	60	90	10	09	29.29	30.08
						SUNRISE: 0551	SEP 29			SUNSET: 1741				
03	BKN	150			5.00	HZ	62	57	59	84	14	18	29.23	30.01
06	OVC	070			3.00	BR	61	59	60	93	12	12	29.27	30.06
09	BKN	250			6.00	HZ	69	61	64	76	17	15	29.29	30.07
12	SCT	NC			10.00		79	63	69	58	15	16	29.21	29.99
15	CLR	NC			10.00		85	62	70	46	14	19	29.17	29.95
18	CLR	NC			10.00		76	62	67	62	9	17	29.16	29.94
21	CLR	NC			10.00		73	62	66	69	12	19	29.17	29.95
24	CLR	NC			10.00		72	63	66	73	15	20	29.17	29.95
						SUNRISE: 0552	SEP 30			SUNSET: 1740				
03	CLR	NC			10.00		70	61	64	73	10	19	29.17	29.95
06	CLR	NC			10.00		67	60	63	79	10	18	29.19	29.97
09	SCT	NC			9.00		74	60	65	62	18	20	29.17	29.95
12	FEW	NC			10.00		84	57	67	40	18	21	29.12	29.89
15	FEW	NC			10.00		85	55	66	36	20	19	29.05	29.82
18	CLR	NC			10.00		78	55	64	45	15	19	29.05	29.83
21	CLR	NC			10.00		73	57	63	57	13	20	29.09	29.86
24	CLR	NC			10.00		71	57	63	61	14	20	29.10	29.87

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

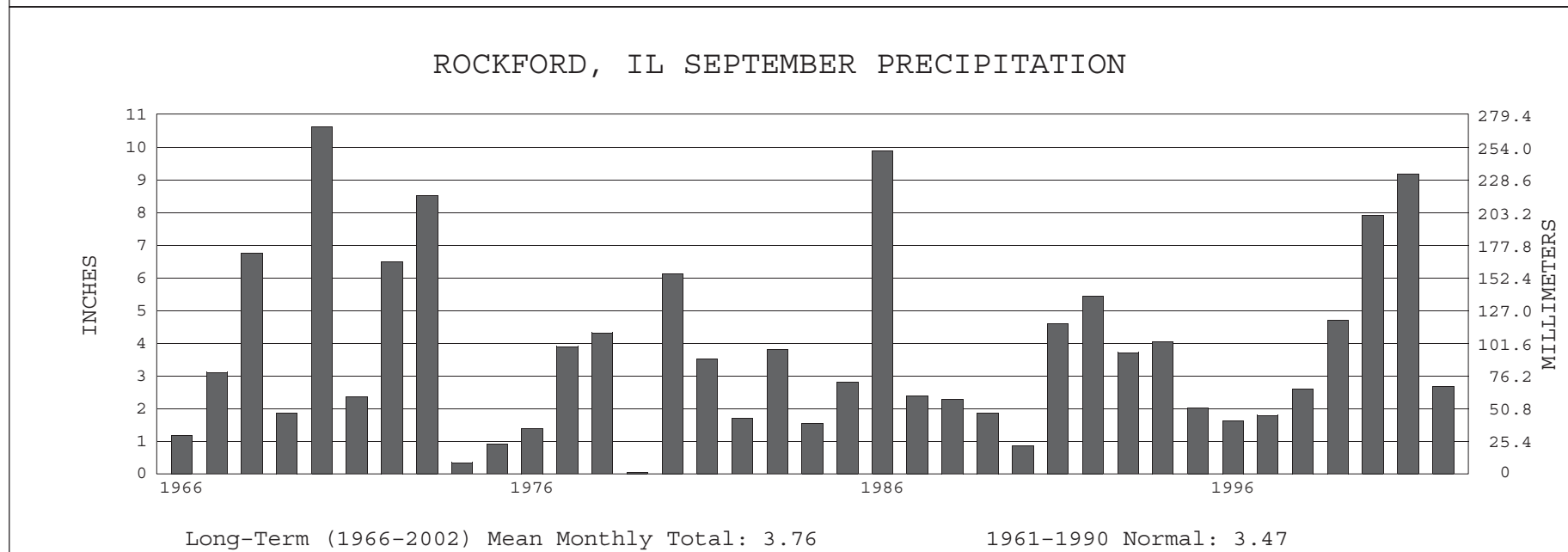
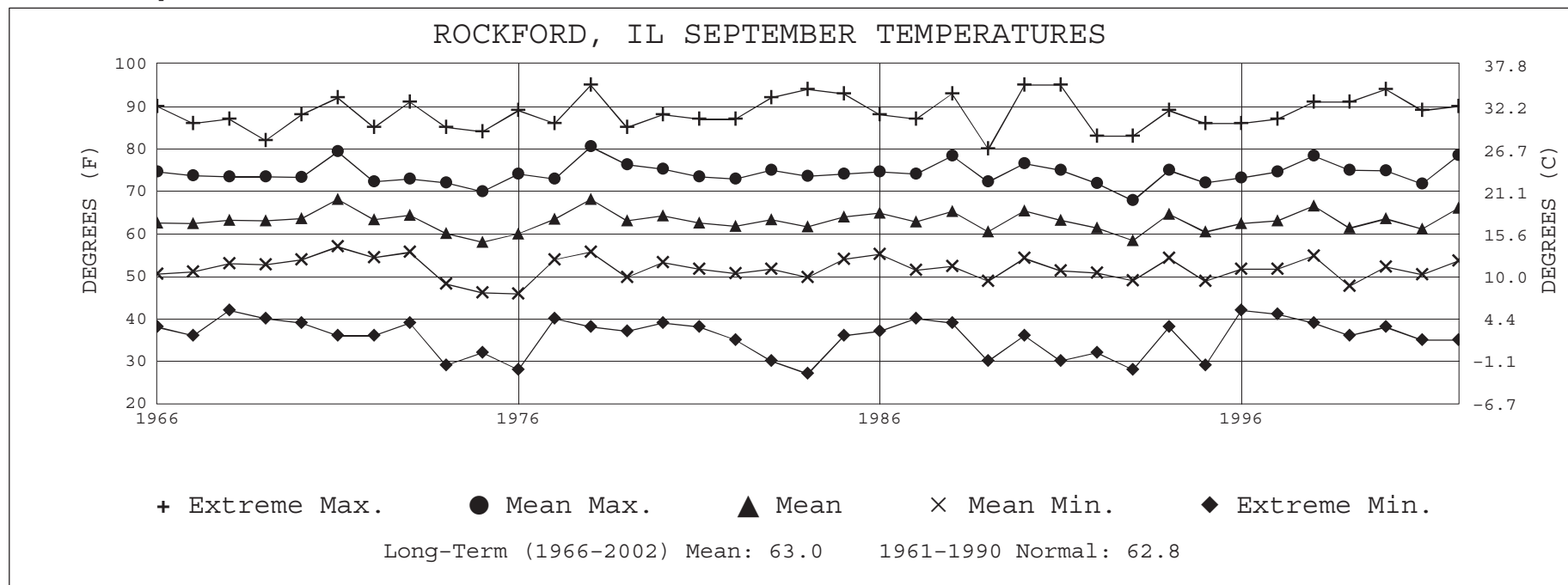
NC= No ceiling detected.

& = Original observation contained additional weather elements.

See page 3 for additional notes.

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			59	55	57	86	29.24	30.03	8.13	5	1	17
02			59	55	56	87	29.24	30.03	7.92	4	1	16
03			58	54	56	89	29.24	30.03	7.53	4	1	17
04			57	54	55	90	29.24	30.03	7.55	4	1	15
05			56	53	54	91	29.25	30.04	7.48	4	1	12
06			56	53	54	91	29.26	30.06	6.47	5	1	14
07			58	55	56	89	29.27	30.06	6.46	5	2	14
08			63	56	59	80	29.27	30.07	7.48	6	2	16
09			68	57	61	70	29.28	30.07	8.53	7	3	19
10			71	57	63	62	29.27	30.06	9.17	7	3	19
11			74	56	63	55	29.25	30.04	9.33	8	4	21
12			75	56	63	53	29.24	30.03	9.37	8	4	20
13			76	55	64	50	29.22	30.01	9.37	9	4	22
14			77	55	64	49	29.21	30.00	9.47	10	4	22
15			77	55	64	50	29.20	29.99	9.17	9	3	21
16			76	55	63	49	29.20	29.99	9.30	10	4	22
17			74	55	63	52	29.20	29.99	9.30	8	3	23
18			71	56	62	59	29.20	29.99	9.20	7	1	21
19			68	56	61	68	29.21	30.00	9.27	7	1	15
20			66	56	60	73	29.22	30.01	9.13	7	1	15
21			64	56	59	75	29.23	30.02	8.93	6	2	14
22			62	55	58	79	29.23	30.02	8.60	6	2	15
23			61	55	58	81	29.23	30.02	8.50	5	2	15
24			61	55	57	83	29.23	30.02	8.38	5	1	18





SEPTEMBER 2002

ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

DIRECTOR

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

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

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

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

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19