



AUGUST 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

CHICAGO, IL

OHARE INTERNATIONAL AIRPORT (ORD)

Lat: 41°59' N Long: 87°54' W Elev (Ground): 655 Feet

Time Zone: CENTRAL WBAN: 94846 ISSN #:0198-1854

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*	75	85*	12	74	77	0	20	TSRA RA	0		0.0	T	29.19	29.89	9.2	22	11.2	25	20	20	20	01	
02	81	63	72	-1	62	67	0	7	RA	0		0.0	0.05	29.37	30.08	8.9	05	10.3	24	05	17	06	02	
03	90	59	75	2	67	70	0	10	BR	0		0.0	0.00	29.42	30.13	3.6	11	5.6	24	07	14	08	03	
04	89	74	82	9	72	75	0	17	TS TSRA RA BR HZ	0		0.0	0.68	29.38	30.09	3.0	08	6.9	29	08	22	33	04	
05	84	69	77	4	68	71	0	12	BR	0		0.0	0.00	29.41	30.12	9.6	04	10.2	29	02	23	04	05	
06	74	63	69	-4	57	61	0	4		0		0.0	0.00	29.53	30.25	11.9	06	12.4	30	06	20	05	06	
07	76	58	67	-6	55	61	0	2		0		0.0	0.00	29.55	30.27	8.0	07	8.5	26	05	16	05	07	
08	80	58	69	-4	58	63	0	4		0		0.0	0.00	29.54	30.26	4.5	09	6.1	24	06	14	08	08	
09	83	57	70	-3	58	64	0	5		0		0.0	0.00	29.45	30.16	4.6	12	5.6	28	10	16	07	09	
10	89	59	74	1	63	68	0	9		0		0.0	0.00	29.31	30.02	5.3	22	6.0	24	27	15	24	10	
11	93	67	80	7	67	72	0	15	BR HZ	0		0.0	0.00	29.28	29.99	5.8	22	6.7	24	21	20	19	11	
12	89	69	79	6	69	72	0	14	TSRA RA BR	0		0.0	0.08	29.23	29.94	8.2	22	9.0	26	25	18	20	12	
13	85	67	76	3	70	71	0	11	TS TSRA RA BR	0		0.0	2.45	29.15	29.86	4.5	21	7.4	26	29	21	17	13	
14	77	63	70	-2	64	66	0	5	RA BR	0		0.0	T	29.16	29.87	5.3	25	6.4	18	25	14	27	14	
15	85	62	74	2	68	70	0	9	BR	0		0.0	0.00	29.20	29.91	9.8	22	10.0	30	24	23	22	15	
16	81	69	75	3	69	71	0	10	RA BR	0		0.0	T	29.30	30.00	2.6	22	7.1	22	02	15	17	16	
17	87	65	76	4	69	71	0	11		0		0.0	0.00	29.16	29.87	10.0	24	12.0	30	26	23	20	17	
18	79	53*	66	-6	53	60	0	1		0		0.0	0.00	29.24	29.95	1.5	22	5.0	21	06	13	09	18	
19	74	57	66	-5	61	64	0	1	TS TSRA RA DZ BR	0		0.0	0.27	29.24	29.95	4.8	04	7.0	24	05	20	01	19	
20	76	55	66*	-5	58	62	0	1		0		0.0	0.00	29.41	30.13	5.4	11	6.6	29	07	15	11	20	
21	87	62	75	4	70	72	0	10	TS RA HZ	0		0.0	T	29.31	30.02	10.0	18	11.2	29	18	23	18	21	
22	81	67	74	3	70	70	0	9	TS TSRA RA BR VCTS	0		0.0	4.45	29.31	30.02	1.8	04	6.6	35*	29	26*	30	22	
23	78	67	73	2	70	71	0	8	RA DZ BR HZ	0		0.0	0.07	29.24	29.95	2.7	05	4.1	21	05	14	14	23	
24	83	65	74	3	68	70	0	9	RA BR	0		0.0	0.01	29.23	29.94	1.9	01	4.1	20	05	12	33	24	
25	84	64	74	4	68	70	0	9	RA BR	0		0.0	T	29.29	30.00	2.1	02	5.6	21	06	15	05	25	
26	81	66	74	4	66	68	0	9	FG+ BR	0		0.0	0.00	29.32	30.03	5.4	05	6.2	23	05	13	05	26	
27	83	65	74	4	68	70	0	9	BR	0		0.0	0.00	29.44	30.15	8.8	04	9.2	25	03	17	04	27	
28	79	65	72	2	65	67	0	7		0		0.0	0.00	29.50	30.21	7.0	05	7.7	24	10	15	06	28	
29	78	61	70	0	63	66	0	5	BR	0		0.0	0.00	29.46	30.17	5.9	04	6.4	24	06	14	04	29	
30	83	62	73	3	63	67	0	8	BR	0		0.0	0.00	29.52	30.24	6.2	07	7.2	25	08	15	06	30	
31	83	63	73	4	63	68	0	8	BR	0		0.0	0.00	29.54	30.25	3.6	10	4.6	24	08	13	08	31	
82.8		63.5	73.2	■ ■	65.0	68.2	0.0	8.4	< MONTHLY AVERAGES	TOTALS->		0.0	8.06	29.34	30.06	0.9	13	7.5	<- MONTHLY AVERAGES					
1.6		1.3	1.5	■ ■	<-----DEPARTURE FROM NORMAL----->								3.44	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 4.45 DATE :22					SEA LEVEL PRESSURE DATE TIME										
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0 DATE :					MAXIMUM					: 30.32 31 0656					
TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :					MINIMUM					: 29.77 19 0256					
HEATING: 0 -9 0 -14									NUMBER OF DAYS WITH ➔		MAXIMUM TEMP ≥ 90: 3			MINIMUM TEMP ≤ 32: 0			PRECIPITATION ≥ 0.01 INCH : 8							
COOLING: 259 25 940 206											MAXIMUM TEMP ≤ 32 : 0			MINIMUM TEMP ≤ 0 : 0			PRECIPITATION ≥ 0.10 INCH : 4							
											THUNDERSTORMS : 7			HEAVY FOG : 1			SNOWFALL ≥ 1.0 INCH : 0							

AUGUST 2002
CHICAGO, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

CHICAGO, IL

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ORD

WBAN # 94846

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	0.03	0.02											01													01		T	
02													0.05																
03													0.00																
04													0.68																
05													0.00																
06													06														06	0.00	
07													0.00																
08													0.00																
09													0.00																
10													0.00																
11													11														11	0.00	
12													0.08																
13													2.45																
14													T																
15													0.00																
16													16														16	T	
17													0.00																
18													0.00																
19													0.27																
20													0.00																
21	0.62	1.35	1.14	0.23	0.23	0.21	0.49	0.11	0.04	0.02	T		21			0.01												21	T
22													4.45																
23													0.07																
24													0.01																
25													T																
26													26														26	0.00	
27													0.00																
28													0.00																
29													0.00																
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)	.31	.45	.57	.70	.91	1.37	1.61	2.05	2.39	2.69	3.05	3.26
Ending Date	22	22	22	22	22	22	22	22	22	22	22	22
Ending Time (Hour/Min)	0213	0216	0215	0216	0216	0217	0217	0216	0216	0221	0252	0320

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

CHICAGO, 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							7.00	10.00	
02							10.00	10.00	
03							5.00	10.00	
04							.75	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							9.00	10.00	
11							5.00	10.00	
12							5.00	10.00	
13							2.00	10.00	
14							4.00	10.00	
15							2.50	10.00	
16							5.00	10.00	
17							7.00	10.00	
18							10.00	10.00	
19							2.50	10.00	
20							7.00	10.00	
21							5.00	10.00	
22							.75	10.00	
23							1.00	10.00	
24							1.50	10.00	
25							5.00	10.00	
26							.25	10.00	
27							6.00	10.00	
28							8.00	10.00	
29							6.00	10.00	
30							5.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							5.48	10.00	
<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">31</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">0 9 11</p>									

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

AUGUST 2002

ORD

WBAN # 94846

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 <small>Okta</small>		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 <small>Okta</small>	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0445	AUG 01			SUNSET: 1911										SUNRISE: 0451	AUG 07											
03	CLR	NC			10.00		76	71	73	85	7	20	29.20	29.90	03	CLR	NC			10.00	63	54	58	73	5	08	29.54	30.26			
06	SCT	NC			10.00		77	71	73	82	9	20	29.22	29.92	06	SCT	NC			10.00	65	56	60	73	5	09	29.57	30.30			
09	SCT	NC			10.00		85	74	77	70	14	22	29.21	29.91	09	FEW	NC			10.00	71	53	61	53	10	07	29.58	30.30			
12	SCT	NC			10.00		92	74	79	56	13	22	29.19	29.88	12	CLR	NC			10.00	76	53	62	45	13	05	29.57	30.29			
15	SCT	NC			10.00		93	75	80	56	15	23	29.14	29.84	15	FEW	NC			10.00	74	53	62	48	10	07	29.54	30.27			
18	BKN	150			10.00		90	76	80	63	10	22	29.15	29.85	18	FEW	NC			10.00	71	54	61	55	9	05	29.53	30.25			
21	OVC	200			10.00		86	78	80	77	10	23	29.14	29.85	21	FEW	NC			10.00	67	57	61	71	6	05	29.53	30.25			
24	OVC	025			10.00		79	68	72	69	14	06	29.24	29.94	24	CLR	NC			10.00	67	59	62	76	6	07	29.53	30.25			
					SUNRISE: 0446	AUG 02			SUNSET: 1910										SUNRISE: 0452	AUG 08											
03	FEW	NC			10.00		73	69	70	87	10	02	29.29	29.99	03	CLR	NC			10.00	62	60	61	93	3	36	29.54	30.26			
06	SCT	NC			10.00		72	66	68	82	10	04	29.35	30.06	06	CLR	NC			10.00	65	61	63	87	0	00	29.57	30.29			
09	FEW	NC			10.00		77	59	66	54	12	04	29.37	30.08	09	FEW	NC			10.00	73	59	64	62	6	VR	29.58	30.30			
12	CLR	NC			10.00		80	60	67	51	13	05	29.38	30.09	12	FEW	NC			10.00	78	55	64	45	5	17	29.56	30.27			
15	FEW	NC			10.00		79	59	67	50	13	09	29.38	30.09	15	FEW	NC			10.00	78	54	64	43	9	11	29.53	30.24			
18	CLR	NC			10.00		75	60	66	60	13	09	29.38	30.10	18	FEW	NC			10.00	75	56	64	52	13	07	29.50	30.22			
21	CLR	NC			10.00		72	58	63	61	3	04	29.42	30.14	21	CLR	NC			10.00	71	59	64	66	7	10	29.50	30.22			
24	CLR	NC			10.00		67	60	63	79	6	01	29.42	30.14	24	CLR	NC			10.00	67	61	63	81	5	05	29.50	30.22			
					SUNRISE: 0447	AUG 03			SUNSET: 1909										SUNRISE: 0453	AUG 09											
03	CLR	NC			10.00		64	60	62	87	5	02	29.42	30.14	03	CLR	NC			8.00	60	60	60	100	0	00	29.48	30.20			
06	CLR	NC			10.00		66	62	64	87	3	02	29.47	30.19	06	CLR	NC			10.00	63	63	63	100	0	00	29.51	30.23			
09	FEW	NC			10.00		78	64	69	62	7	13	29.46	30.18	09	CLR	NC			10.00	76	55	63	48	7	19	29.52	30.24			
12	CLR	NC			10.00		87	63	71	45	8	14	29.43	30.14	12	CLR	NC			10.00	82	55	66	40	7	09	29.46	30.18			
15	BKN	055			10.00		87	69	75	55	10	06	29.40	30.11	15	CLR	NC			10.00	83	53	65	36	12	09	29.41	30.13			
18	SCT	NC			10.00		85	73	77	68	10	10	29.36	30.08	18	CLR	NC			10.00	80	59	67	49	9	13	29.38	30.10			
21	BKN	250			9.00		78	75	76	90	0	00	29.37	30.09	21	CLR	NC			10.00	71	62	65	73	9	15	29.38	30.10			
24	BKN	250			5.00 BR		77	75	76	94	3	18	29.37	30.09	24	FEW	NC			10.00	63	63	63	100	3	18	29.37	30.09			
					SUNRISE: 0448	AUG 04			SUNSET: 1908										SUNRISE: 0454	AUG 10											
03	OVC	250			5.00 BR		79	76	77	90	7	19	29.34	30.04	03	CLR	NC			9.00	64	63	63	96	0	00	29.35	30.06			
06	OVC	250			9.00		78	72	74	82	6	35	29.40	30.11	06	CLR	NC			10.00	66	61	63	84	3	17	29.35	30.07			
09	BKN	200			10.00		83	71	75	67	7	09	29.40	30.11	09	CLR	NC			10.00	78	60	67	54	10	19	29.34	30.05			
12	BKN	075			10.00		87	69	75	55	9	07	29.40	30.11	12	FEW	NC			10.00	84	61	69	46	10	25	29.32	30.03			
15	BKN	250			10.00		88	70	76	55	10	11	29.37	30.08	15	SCT	NC			10.00	88	61	70	40	8	20	29.28	29.99			
18	BKN	200			10.00		86	69	74	57	9	09	29.34	30.05	18	BKN	180			10.00	84	64	71	51	6	23	29.27	29.97			
21	OVC	042			3.00 TSRA BR		74	74	74	100	7	32	29.41	30.12	21	BKN	250			10.00	78	66	70	67	5	21	29.28	29.98			
24	OVC	100			4.00 BR		75	75	75	100	3	09	29.36	30.07	24	BKN	250			10.00	74	67	69	79	5	21	29.28	29.98			
					SUNRISE: 0449	AUG 05			SUNSET: 1907										SUNRISE: 0455	AUG 11											
03	SCT	NC			4.00 BR		73	73	73	100	0	00	29.35	30.06	03	SCT	NC			7.00	71	67	68	87	0	00	29.28	29.98			
06	SCT	NC			5.00 BR		74	74	74	100	0	00	29.38	30.09	06	CLR	NC			5.00 BR	71	67	68	87	0	00	29.30	30.01			
09	BKN	250			10.00		80	73	75	79	7	05	29.39	30.10	09	SCT	NC			9.00	84	68	73	59	8	27	29.32	30.02			
12	BKN	250			10.00		83	70	74	65	13	03	29.39	30.11	12	SCT	NC			10.00	90	66	74	45	8	23	29.30	30.00			
15	BKN	150			10.00		80	69	73	69	14	04	29.38	30.10	15	BKN	070			10.00	91	65	73	42	9	21	29.27	29.98			
18	BKN	150			10.00		75	61	66	62	16	03	29.41	30.13	18	SCT	NC			10.00	85	68	73	57	9	21	29.24	29.94			
21	BKN	250			10.00		72	58	63	61	14	03	29.46	30.18	21	SCT	NC			8.00	79	74	75	85	9	19	29.27	29.97			
24	SCT	NC			10.00		69	59	63	70	16	05	29.49	30.20	24	FEW	NC			10.00	74	68	70	82	9	21	29.28	29.98			
					SUNRISE: 0450	AUG 06			SUNSET: 1905										SUNRISE: 0456	AUG 12											
03	FEW	NC			10.00		66	57	61	73	12	06	29.50	30.22	03	CLR	NC			9.00	71	69	70	94	5	23	29.26	29.96			
06	FEW	NC			10.00		65	57	60	76	12	07	29.53	30.25	06	FEW	NC			5.00 BR	71	70	70	96	5	19	29.24	29.95			
09	BKN	035			10.00		69	57	62	66	14	07	29.56	30.27	09	BKN	250			8.00	81	71	74	72	12	24	29.26	29.96			
12	SCT	NC			10.00		72	55	62	55	17	07	29.57	30.29	12	BKN	250			8.00	87	70	75	57	15	23	29.24	29.95			
15	BKN	250			10.00		72	54	61	53	16	05	29.53	30.25	15	SCT	NC			8.00	87	71	76</								

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ORD

WBAN # 94846

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0457	AUG 13			SUNSET: 1856										SUNRISE: 0504	AUG 19									
03	OVC	038			10.00	-RA	72	66	68	82	12	29	29.26	29.96	03	OVC	025			7.00	-TSRA	68	67	67	96	7	15	29.06	29.77
06	BKN	200			10.00		71	67	68	87	6	17	29.21	29.92	06	OVC	005			3.00	-RA BR	64	64	64	100	12	32	29.15	29.86
09	BKN	200			10.00		79	72	74	79	9	19	29.19	29.89	09	OVC	021			2.50	-DZ BR	62	62	62	100	9	35	29.25	29.96
12	OVC	060			10.00		82	71	74	69	10	20	29.12	29.83	12	OVC	041			10.00		68	64	66	87	10	03	29.26	29.96
15	OVC	030			10.00		74	73	73	97	8	15	29.10	29.80	15	BKN	250			10.00		74	59	65	60	10	04	29.26	29.96
18	OVC	029			3.00	-RA BR	70	70	70	100	7	26	29.10	29.80	18	FEW	NC			10.00		70	57	62	64	9	11	29.30	30.01
21	OVC	120			6.00	BR	70	70	70	100	5	24	29.11	29.81	21	FEW	NC			10.00		68	59	63	73	3	VR	29.34	30.06
24	OVC	006			6.00	BR	68	68	68	100	7	24	29.13	29.84	24	FEW	NC			10.00		58	58	58	100	0	00	29.35	30.07
					SUNRISE: 0458	AUG 14			SUNSET: 1855										SUNRISE: 0505	AUG 20									
03	OVC	007			5.00	BR	67	67	67	100	6	23	29.11	29.82	03	CLR	NC			10.00		58	58	58	100	7	26	29.39	30.11
06	OVC	080			8.00		67	67	67	100	5	26	29.15	29.85	06	FEW	NC			8.00		59	59	59	100	0	00	29.42	30.14
09	BKN	034			10.00		68	66	67	93	6	23	29.17	29.88	09	BKN	250			10.00		72	58	63	61	10	08	29.44	30.16
12	BKN	027			10.00		72	65	67	79	8	25	29.18	29.89	12	BKN	250			10.00		74	54	62	50	10	11	29.45	30.17
15	SCT	NC			10.00		76	60	66	58	8	28	29.16	29.87	15	SCT	NC			10.00		74	52	61	46	8	10	29.41	30.14
18	SCT	NC			10.00		74	59	65	60	6	23	29.16	29.87	18	FEW	NC			10.00		72	60	65	66	9	13	29.38	30.10
21	FEW	NC			10.00		67	60	63	79	5	21	29.19	29.91	21	BKN	250			10.00		70	62	65	76	7	11	29.41	30.13
24	CLR	NC			9.00		64	64	64	100	7	21	29.20	29.91	24	SCT	NC			10.00		64	62	63	93	3	14	29.40	30.12
					SUNRISE: 0459	AUG 15			SUNSET: 1853										SUNRISE: 0506	AUG 21									
03	BKN	004			3.00	BR	64	64	64	100	3	20	29.21	29.92	03	CLR	NC			10.00		66	61	63	84	7	14	29.38	30.10
06	BKN	007			3.00	BR	65	65	65	100	5	19	29.24	29.95	06	BKN	250			10.00		66	61	63	84	7	15	29.38	30.10
09	FEW	NC			10.00		74	65	68	74	12	22	29.24	29.95	09	SCT	NC			8.00		77	68	71	74	10	17	29.35	30.07
12	BKN	042			10.00		82	69	73	65	16	21	29.20	29.90	12	BKN	200			10.00		84	72	76	67	12	19	29.33	30.03
15	BKN	055			10.00		84	68	73	59	14	23	29.15	29.86	15	OVC	250			9.00		86	77	79	75	16	18	29.27	29.98
18	BKN	250			10.00		82	68	73	63	10	23	29.16	29.87	18	OVC	150			9.00		84	77	79	80	15	19	29.24	29.94
21	FEW	NC			10.00		77	71	73	82	8	20	29.19	29.90	21	OVC	045			7.00	TS	77	69	72	77	9	05	29.25	29.96
24	OVC	060			10.00		79	74	75	85	12	21	29.20	29.90	24	OVC	150			7.00	-RA	81	75	77	82	17	21	29.22	29.92
					SUNRISE: 0500	AUG 16			SUNSET: 1852										SUNRISE: 0507	AUG 22									
03	OVC	035			10.00		76	75	75	97	9	25	29.22	29.93	03	OVC	015			1.00	+TSRA BR	71	71	71	100	0	00	29.27	29.98
06	OVC	065			10.00		74	69	71	85	9	34	29.30	30.01	06	OVC	060			10.00	-RA	70	70	70	100	6	22	29.29	30.00
09	BKN	200			10.00		77	60	66	56	8	34	29.34	30.05	09	OVC	019			6.00	-RA BR	70	70	70	100	6	16	29.29	29.99
12	OVC	042			10.00		80	64	70	58	7	25	29.35	30.07	12	OVC	048			10.00		75	72	73	90	0	00	29.32	30.03
15	OVC	029			10.00		79	70	73	74	10	19	29.31	30.02	15	OVC	026			10.00	-RA	72	71	71	97	10	05	29.31	30.02
18	OVC	018			10.00		75	72	73	90	6	16	29.31	30.02	18	BKN	080			10.00		71	69	70	94	8	04	29.32	30.03
21	BKN	250			10.00		71	71	71	100	7	17	29.30	30.00	21	OVC	003			3.00	BR	67	67	67	100	8	03	29.35	30.07
24	BKN	180			5.00	BR	70	70	70	100	0	00	29.25	29.96	24	OVC	004			5.00	BR	67	67	67	100	6	07	29.31	30.02
					SUNRISE: 0501	AUG 17			SUNSET: 1850										SUNRISE: 0508	AUG 23									
03	BKN	180			10.00		71	69	70	94	13	19	29.18	29.89	03	OVC	004			4.00	BR	68	68	68	100	6	01	29.30	30.01
06	OVC	013			10.00		72	70	71	94	10	21	29.22	29.92	06	OVC	003			1.50	-RA BR	69	69	69	100	0	00	29.31	30.02
09	OVC	018			10.00		75	72	73	90	8	22	29.15	29.85	09	OVC	008			2.50	BR	71	71	71	100	6	06	29.24	29.95
12	OVC	026			10.00		80	73	75	79	15	23	29.09	29.80	12	OVC	011			10.00		73	72	72	96	0	00	29.25	29.96
15	BKN	042			10.00		85	73	77	68	16	24	29.10	29.80	15	OVC	015			9.00	-RA	76	72	73	88	6	33	29.19	29.90
18	SCT	NC			10.00		82	71	74	69	15	27	29.12	29.82	18	BKN	046			6.00	BR	73	70	71	90	7	07	29.18	29.89
21	BKN	250			10.00		72	62	66	71	13	29	29.20	29.91	21	FEW	NC			7.00		71	70	70	96	7	08	29.20	29.91
24	CLR	NC			10.00		65	58	61	78	6	30	29.23	29.94	24	OVC	010			4.00	BR	71	71	71	100	0	00	29.20	29.91
					SUNRISE: 0503	AUG 18			SUNSET: 1849										SUNRISE: 0509	AUG 24									
03	CLR	NC			10.00		61	55	58	81	5	VR	29.25	29.95	03	OVC	010			3.00	BR	70	70	70	100	3	23	29.18	29.89
06	CLR	NC			10.00		57	54	55	90	5	26	29.28	29.99	06	OVC	012			1.50	BR	71	71	71	100	7	31	29.21	29.91
09	FEW	NC			10.00		68	51																					

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

AUGUST 2002

ORD

WBAN # 94846

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
				OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
03	SCT	NC				5.00	BR	67	66	66	97	5	26	29.27	29.98
06	SCT	NC				5.00	BR	67	66	66	97	3	26	29.30	30.01
09	SCT	NC				10.00		76	68	71	77	0	00	29.31	30.02
12	FEW	NC				10.00		83	63	70	51	8	31	29.30	30.01
15	OVC	046				10.00		80	69	73	69	12	06	29.26	29.96
18	SCT	NC				10.00		75	69	71	82	8	07	29.27	29.98
21	SCT	NC				7.00		71	71	71	100	8	03	29.31	30.01
24	SCT	NC				6.00	BR	70	70	70	100	3	03	29.30	30.01
SUNRISE: 0510 AUG 25 SUNSET: 1838															
03	CLR	NC				3.00	BR	68	68	68	100	3	01	29.31	30.02
06	BKN	250				3.00	BR	68	68	68	100	5	01	29.32	30.03
09	BKN	250				10.00		76	65	69	69	7	04	29.34	30.04
12	SCT	NC				10.00		79	64	69	60	12	08	29.33	30.04
15	SCT	NC				10.00		80	62	69	54	6	06	29.31	30.02
18	FEW	NC				10.00		76	62	67	62	8	05	29.32	30.03
21	FEW	NC				10.00		70	67	68	90	3	VR	29.34	30.05
24	CLR	NC				10.00		68	68	68	100	0	00	29.36	30.07
SUNRISE: 0511 AUG 26 SUNSET: 1837															
03	CLR	NC				8.00		67	67	67	100	3	36	29.37	30.09
06	FEW	NC				6.00	BR	68	68	68	100	6	02	29.41	30.13
09	SCT	NC				10.00		77	71	73	82	8	05	29.43	30.15
12	SCT	NC				10.00		80	67	71	64	10	05	29.44	30.16
15	SCT	NC				10.00		82	65	71	56	14	04	29.45	30.17
18	FEW	NC				10.00		76	68	71	77	15	04	29.44	30.16
21	SCT	NC				10.00		72	70	71	94	12	04	29.48	30.20
24	CLR	NC				10.00		71	69	70	94	9	06	29.49	30.21
SUNRISE: 0512 AUG 27 SUNSET: 1835															
03	FEW	NC				10.00		69	66	67	90	6	06	29.49	30.21
06	SCT	NC				10.00		68	67	67	96	8	06	29.52	30.24
09	FEW	NC				10.00		73	66	69	79	7	05	29.53	30.24
12	BKN	060				10.00		78	62	68	58	10	09	29.51	30.23
15	SCT	NC				10.00		76	62	67	62	13	06	29.49	30.21
18	SCT	NC				10.00		72	63	66	73	8	05	29.47	30.19
21	FEW	NC				10.00		69	64	66	84	6	04	29.46	30.17
24	FEW	NC				8.00		66	64	65	93	5	02	29.45	30.17
SUNRISE: 0513 AUG 28 SUNSET: 1833															
03	CLR	NC				10.00		64	63	63	96	3	35	29.44	30.16
06	FEW	NC				6.00	BR	64	62	63	93	0	00	29.48	30.20
09	FEW	NC				10.00		75	60	66	60	9	03	29.47	30.19
12	SCT	NC				10.00		78	64	69	62	9	03	29.46	30.18
15	FEW	NC				10.00		78	64	69	62	10	04	29.44	30.16
18	CLR	NC				10.00		73	62	66	69	12	04	29.43	30.15
21	CLR	NC				10.00		69	62	65	78	3	VR	29.46	30.18
24	FEW	NC				10.00		66	62	64	87	6	01	29.47	30.19
SUNRISE: 0514 AUG 29 SUNSET: 1832															
03	CLR	NC				10.00		65	63	64	93	3	01	29.48	30.20
06	SCT	NC				5.00	BR	66	65	65	96	3	34	29.52	30.24
09	SCT	NC				9.00		76	67	70	74	7	07	29.54	30.26
12	FEW	NC				10.00		81	58	67	46	13	10	29.52	30.24
15	SCT	NC				10.00		81	60	68	49	12	07	29.51	30.23
18	FEW	NC				10.00		77	59	66	54	10	06	29.52	30.24
21	FEW	NC				10.00		73	65	68	76	7	07	29.54	30.26
24	FEW	NC				8.00		72	67	69	84	6	08	29.54	30.26
SUNRISE: 0515 AUG 30 SUNSET: 1830															
03	CLR	NC				7.00		70	64	66	82	6	13	29.55	30.27
06	FEW	NC				7.00		69	63	65	81	5	08	29.59	30.30
09	FEW	NC				10.00		75	60	66	60	0	00	29.60	30.31
12	FEW	NC				10.00		82	61	69	49	0	00	29.56	30.28
15	FEW	NC				10.00		82	62	69	51	12	11	29.52	30.23
18	FEW	NC				10.00		78	62	68	58	8	06	29.50	30.22
21	BKN	065				10.00		75	66	69	74	6	10	29.50	30.22
24	CLR	NC				5.00	BR	67	67	67	100	0	00	29.47	30.19
SUNRISE: 0516 AUG 31 SUNSET: 1829															
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 Visiblity = 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			68	66	67	93	29.34	30.05	8.03	5	0	0			
02			68	66	67	92	29.33	30.04	7.94	5	0	0			
03			68	65	66	92	29.33	30.04	7.68	5	0	0			
04			67	65	66	93	29.34	30.05	7.44	4	1	8			
05			66	65	65	94	29.35	30.06	7.47	5	1	32			
06			68	65	66	92	29.36	30.07	7.45	5	0	0			
07			70	65	67	85	29.37	30.08	7.98	5	1	7			
08			73	65	68	78	29.37	30.08	8.85	7	2	11			
09			75	65	68	72	29.37	30.08	8.95	8	1	10			
10			77	64	69	67	29.37	30.08	9.39	7	2	12			
11			79	64	69	63	29.36	30.07	9.65	8	2	11			
12			80	64	70	59	29.36	30.07	9.94	9	2	12			
13			81	64	70	59	29.35	30.06	9.81	9	2	8			
14			81	64	70	59	29.34	30.05	9.71	9	2	9			
15			81	64	70	59	29.33	30.04	9.87	11	3	9			
16			80	64	70	60	29.32	30.03	9.65	12	3	9			
17			79	64	69	63	29.32	30.03	9.68	11	3	10			
18			77	65	69	66	29.32	30.03	9.61	10	3	9			
19			75	65	69	71	29.33	30.04	9.68	9	3	9			
20			73	66	68	78	29.34	30.05	9.35	7	1	10			
21			72	66	68	81	29.34	30.06	9.03	7	2	9			
22			71	66	68	84	29.35	30.06	8.84	6	1	10			
23			70	66	68	88	29.35	30.06	8.40	5	0	0			
24			69	66	67	90	29.34	30.06	8.23	5	1	11			

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.

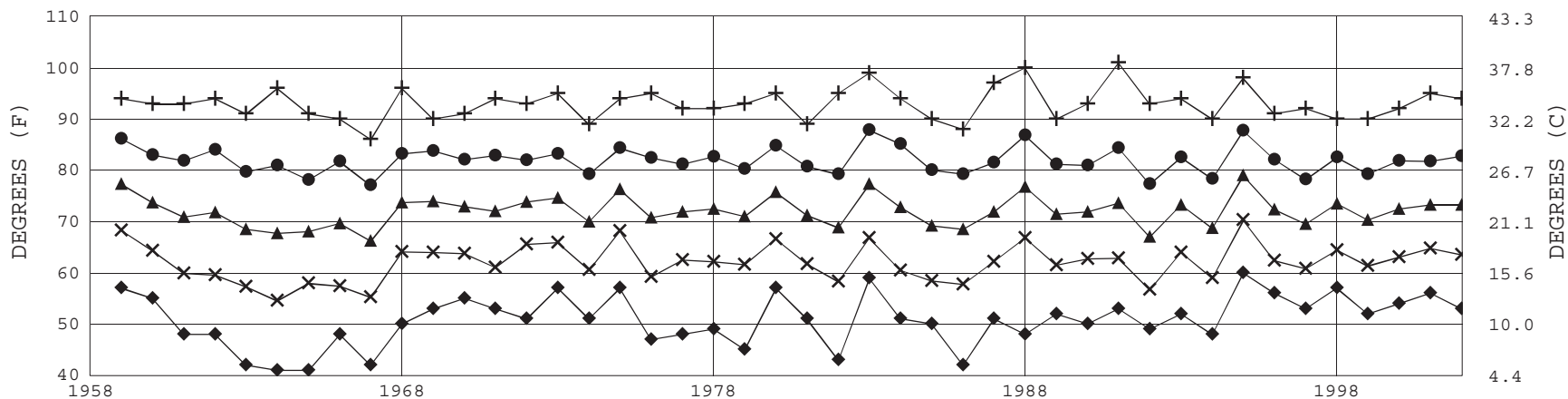
& = Original observation contained additional weather elements.

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)
							STATION	SEA LEVEL		
01			68	66	67	93	29.34	30.05	8.03	5
02			68	66	67	92	29.33	30.04	7.94	5
03			68	65	66	92	29.33	30.04	7.68	5
04			67	65	66	93	29.34	30.05	7.44	4
05			66	65	65	94	29.35	30.06	7.47	5
06			68	65	66	92	29.36	30.07	7.45	5
07			70	65	67	85	29.37	30.08	7.98	5
08			73	65	68	78	29.37	30.08	8.85	7
09			75	65	68	72	29.37	30.08	8.95	8
10			77	64	69	67	29.37	30.08	9.39	7
11			79	64	69	63	29.36	30.07	9.65	8
12			80	64	70	59	29.36	30.07	9.94	9
13			81	64	70	59	29.35	30.06	9.81	9
14			81	64	70	59	29.34	30.05	9.71	9
15			81	64	70	59	29.33	30.04	9.87	11
16			80	64	70	60	29.32	30.03	9.65	12
17			79	64	69	63	29.32	30.03	9.68	11
18			77	65	69	66	29.32	30.03	9.61	10
19			75	65	69	71	29.33	30.04	9.68	9
20			73	66	68	78	29.34	30.05	9.35	7
21			72	66	68	81	29.34	30.06	9.03	7
22			71	66	68	84	29.35	30.06	8.84	6
23			70	66	68	88	29.35	30.06	8.40	5
24			69	66	67	90	29.34	30.06	8.23	5

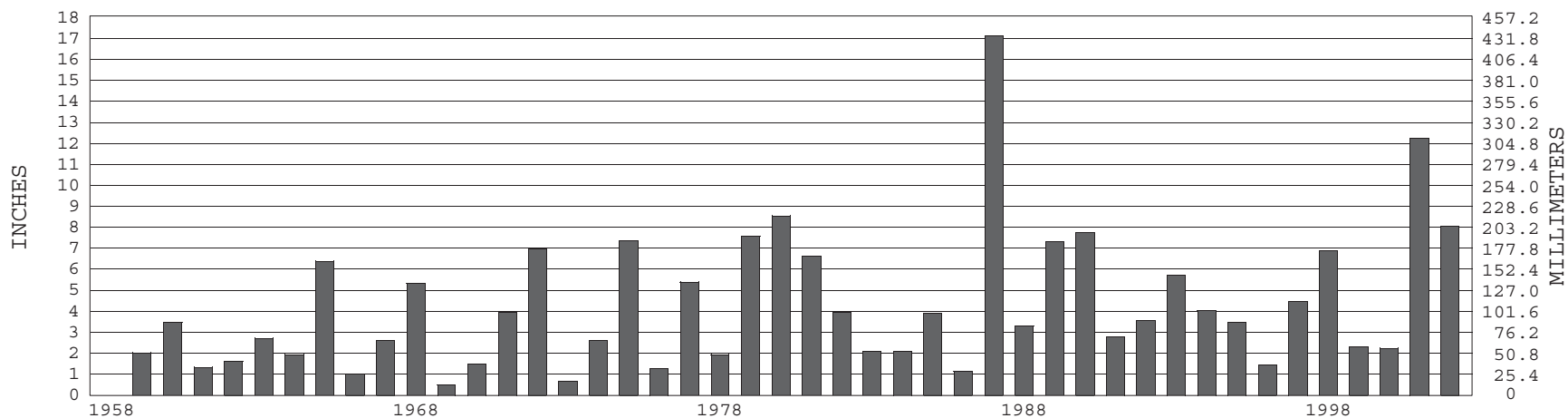
CHICAGO, IL AUGUST TEMPERATURES



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

Long-Term (1958-2002) Mean: 70.4 1961-1990 Normal: 71.7

CHICAGO, IL AUGUST PRECIPITATION



Long-Term (1958-2002) Mean Monthly Total: 4.21

1961-1990 Normal: 4.62



AUGUST 2002

CHICAGO, 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

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POSTAGE AND FEES PAID
NOAA
PERMIT G–19