



# OCTOBER 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	82*	67	75*	17	65	68	0	10	RA	0		0.0	0.01	29.24	29.94	6.5	23	8.6	25	20	18	21	01	
02	71	60	66	8	63	63	0	1	TSRA RA BR	0		0.0	0.35	29.29	30.00	6.9	04	9.2	26	03	18	04	02	
03	63	58	61	4	59	59	4	0	RA BR	0		0.0	T	29.27	29.99	7.7	06	8.7	22	06	16	06	03	
04	72	54	63	6	59	61	2	0	RA BR	0		0.0	0.63	28.92	29.63	9.8	24	15.2	45*	29	33*	28	04	
05	63	46	55	-2	44	49	10	0		0		0.0	0.00	29.40	30.12	3.1	26	6.8	22	30	18	31	05	
06	69	47	58	2	46	51	7	0	RA	0		0.0	0.01	29.22	29.94	11.0	24	15.8	37	28	29	29	06	
07	55	40	48	-8	33	41	17	0		0		0.0	0.00	29.47	30.21	1.0	33	8.6	26	32	21	33	07	
08	66	45	56	0	37	47	9	0		0		0.0	0.00	29.40	30.13	8.0	20	8.5	26	19	17	20	08	
09	65	48	57	2	48	52	8	0	BR	0		0.0	0.00	29.41	30.14	2.3	06	5.3	23	07	12	07	09	
10	73	51	62	7	51	56	3	0	BR HZ	0		0.0	0.00	29.42	30.15	3.2	12	4.8	22	13	13	15	10	
11	73	48	61	7	51	55	4	0	BR HZ	0		0.0	0.00	29.38	30.11	3.6	11	4.9	18	08	14	08	11	
12	72	49	61	7	54	56	4	0	RA BR HZ SQ	0		0.0	0.10	29.34	30.06	4.6	27	9.2	37	31	31	32	12	
13	50	33	42	-11	28	36	23	0		0		0.0	0.00	29.65	30.39	10.6	30	11.3	37	32	21	33	13	
14	57	30	44	-9	27	38	21	0		0		0.0	0.00	29.48	30.22	6.8	18	7.0	22	17	20	17	14	
15	60	39	50	-3	34	41	15	0		0		0.0	0.00	29.22	29.95	5.7	34	8.1	25	02	16	35	15	
16	50	33	42	-10	31	37	23	0		0		0.0	0.00	29.29	30.02	6.6	36	7.6	28	02	16	01	16	
17	45	36	41	-11	36	39	24	0	RA BR	0		0.0	0.14	29.25	29.99	5.6	24	6.6	17	25	14	23	17	
18	62	36	49	-2	42	46	16	0	RA BR	0		0.0	0.02	29.12	29.84	8.1	21	10.6	36	20	26	20	18	
19	51	32	42	-9	32	39	23	0		0		0.0	0.00	29.25	29.98	10.2	30	10.5	28	29	22	30	19	
20	52	29*	41	-9	31	37	24	0		0		0.0	0.00	29.39	30.13	1.1	34	5.2	18	08	12	09	20	
21	56	33	45	-5	35	41	20	0	BR	0		0.0	0.00	29.37	30.10	5.5	19	6.1	21	24	17	15	21	
22	50	37	44	-6	35	39	21	0	BR	0		0.0	0.00	29.52	30.25	9.6	34	10.1	24	36	20	33	22	
23	46	40	43	-6	38	41	22	0	RA DZ	0		0.0	T	29.67	30.41	8.7	04	10.5	24	05	16	04	23	
24	46	42	44	-5	38	41	21	0	RA BR	0		0.0	0.10	29.59	30.33	11.1	11	11.5	30	09	17	10	24	
25	47	42	45	-3	43	44	20	0	RA BR	0		0.0	0.24	29.31	30.05	4.9	10	6.9	25	08	14	12	25	
26	47	38	43	-5	40	42	22	0	BR	0		0.0	0.00	29.36	30.09	6.8	28	7.7	18	33	15	32	26	
27	46	38	42	-6	31	37	23	0	RA DZ	0		0.0	T	29.50	30.24	4.4	01	6.7	23	05	16	02	27	
28	49	38	44	-3	36	41	21	0	RA DZ	0		0.0	T	29.41	30.15	8.7	06	10.4	25	06	18	09	28	
29	46	42	44	-3	34	40	21	0	RA	0		0.0	T	29.31	30.05	14.6	07	15.2	31	05	22	07	29	
30	48	41	45	-1	35	40	20	0		0		0.0	0.00	29.37	30.11	9.5	04	10.7	28	06	17	07	30	
31	49	31	40*	-6	32	37	25	0	HZ	0		0.0	0.00	29.45	30.19	9.5	30	10.3	26	36	17	30	31	
57.5 42.0 49.8 ■■										< MONTHLY AVERAGES TOTALS->		0.0	1.60	29.36	30.09	0.9	33	9.0	<- MONTHLY AVERAGES					
-4.6 -.1 -2.3 ■■										<-----DEPARTURE FROM NORMAL----->			-1.11	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.63 DATE :04				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE :				MAXIMUM : 30.45 23 0956											
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE :				MINIMUM : 29.45 04 1356											
HEATING: 473 72 531 3									NUMBER OF DAYS WITH ➡				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 4				PRECIPITATION ≥ 0.01 INCH : 9			
COOLING: 11 1 1085 255													MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 6			
													THUNDERSTORMS : 1				HEAVY FOG : 0				SNOWFALL ≥ 1.0 INCH : 0			

OCTOBER 2002  
CHICAGO, IL

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

CHICAGO, IL

OCTOBER 2002

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													01					T	T	T	T		T	0.01	01			0.01
02													02				T	T	T	T					02			0.35
03			0.28	0.03	0.01	0.03	T						03		T	T	T								03			T
04			T	0.01	T	T	T	T	0.27	0.01	0.21	0.11	04	0.02											04			0.63
05													05												05			0.00
06													06				0.01								06			0.01
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			0.02	T	0.01	0.06	0.01	T	T			12			0.10
13													13												13			0.00
14													14												14			0.00
15													15												15			0.00
16													16												16			0.00
17													17			T	0.01	0.05	0.01	0.02	0.03	0.02			17			0.14
18													18												18			0.02
19						T	0.01	T					19												19			0.00
20													20												20			0.00
21													21												21			0.00
22													22												22			0.00
23						T	T	T	T	T	T		23												23			T
24						0.01	0.01	0.03	0.01	0.01	0.01		24	T	T		T				T	0.01	0.01	T	24			0.10
25	0.03	0.02	0.06	0.04	0.04	0.03	0.01	0.01					25					T	T						25			0.24
26													26												26			0.00
27													27												27			T
28	T	T	T	T	T	T	T	T					28												28			T
29													29												29			T
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

**CHICAGO, IL  
OCTOBER 2002**

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

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							8.00	10.00	
02							2.00	10.00	
03							4.00	10.00	
04							1.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							6.00	10.00	
10							3.00	10.00	
11							3.00	10.00	
12							1.50	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							6.00	10.00	
18							2.00	10.00	
19							10.00	10.00	
20							8.00	10.00	
21							6.00	10.00	
22							6.00	10.00	
23							7.00	10.00	
24							6.00	10.00	
25							3.00	8.00	
26							3.00	10.00	
27							7.00	10.00	
28							7.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							6.00	10.00	
<b>MONTHLY AVGS</b>							6.82	9.94	
<b>SUNSHINE (MINUTES)</b>									
Total: Possible:									
Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR PTLY CLDY CLOUDY MISSING									
31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25 <=3.0 >=7.0									
0 8 17									

## OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

OCTOBER 2002

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 <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: 0548	OCT 01			SUNSET: 1733										SUNRISE: 0555	OCT 07									
03	CLR	NC			10.00		69	60	64	73	9	21	29.18	29.89	03	BKN	033			10.00	46	37	42	71	18	32	29.41	30.14	
06	BKN	200			9.00		69	63	65	81	10	22	29.22	29.93	06	FEW	NC			10.00	41	32	37	70	12	34	29.47	30.21	
09	SCT	NC			10.00		75	65	69	71	14	23	29.25	29.96	09	FEW	NC			10.00	46	26	38	46	8	35	29.52	30.26	
12	BKN	150			10.00		79	66	70	65	10	22	29.24	29.94	12	CLR	NC			10.00	51	31	42	46	7	VR	29.54	30.28	
15	OVC	150			10.00		79	66	70	65	9	22	29.24	29.94	15	FEW	NC			10.00	55	27	43	34	0	00	29.45	30.19	
18	OVC	110			10.00		75	67	70	76	7	29	29.27	29.97	18	FEW	NC			10.00	48	37	43	66	13	15	29.44	30.17	
21	OVC	055			9.00		72	68	69	87	0	00	29.28	29.98	21	FEW	NC			10.00	45	36	41	71	3	16	29.46	30.20	
24	BKN	055			10.00		68	65	66	90	0	00	29.28	29.98	24	BKN	110			10.00	45	39	42	80	7	16	29.47	30.20	
					SUNRISE: 0550	OCT 02			SUNSET: 1732										SUNRISE: 0556	OCT 08									
03	OVC	023			2.50	TSRA	66	66	66	100	9	06	29.25	29.95	03	OVC	100			10.00	46	39	43	77	7	17	29.44	30.17	
06	OVC	120			3.00	BR	66	66	66	100	0	00	29.28	29.99	06	OVC	110			10.00	47	37	42	69	7	18	29.45	30.19	
09	OVC	012			4.00	BR	69	68	68	96	6	23	29.31	30.01	09	BKN	250			10.00	54	36	46	51	12	20	29.44	30.18	
12	OVC	009			10.00		65	62	63	90	10	04	29.31	30.03	12	FEW	NC			10.00	62	37	50	40	14	19	29.39	30.13	
15	OVC	011			10.00		64	61	62	90	12	02	29.29	30.00	15	SCT	NC			10.00	65	34	50	32	13	21	29.34	30.07	
18	OVC	011			10.00		61	58	59	90	13	03	29.28	29.99	18	BKN	250			10.00	58	38	48	48	7	18	29.35	30.08	
21	OVC	015			10.00		62	58	60	86	12	04	29.31	30.02	21	BKN	250			10.00	54	39	47	57	5	22	29.37	30.10	
24	OVC	009			10.00		60	58	59	93	15	03	29.31	30.03	24	SCT	NC			10.00	54	39	47	57	7	23	29.36	30.08	
					SUNRISE: 0551	OCT 03			SUNSET: 1730										SUNRISE: 0557	OCT 09									
03	OVC	005			5.00	BR	58	58	58	100	10	05	29.30	30.02	03	SCT	NC			10.00	48	41	45	77	3	20	29.36	30.09	
06	OVC	012			10.00		59	56	57	90	9	05	29.33	30.05	06	BKN	120			10.00	50	42	46	74	5	26	29.40	30.13	
09	OVC	008			10.00		59	57	58	93	13	07	29.34	30.06	09	BKN	250			10.00	56	46	51	70	3	VR	29.42	30.15	
12	OVC	010			10.00		60	58	59	93	8	10	29.33	30.05	12	SCT	NC			10.00	64	50	56	61	5	VR	29.42	30.14	
15	OVC	014			8.00	-RA	61	59	60	93	6	04	29.28	30.00	15	SCT	NC			10.00	61	52	56	72	10	06	29.40	30.14	
18	OVC	110			9.00		61	59	60	93	8	10	29.24	29.96	18	BKN	250			8.00	56	53	54	90	8	07	29.42	30.15	
21	OVC	007			6.00	BR	61	60	60	97	6	04	29.20	29.92	21	CLR	NC			7.00	54	53	53	97	5	VR	29.44	30.17	
24	CLR	NC			4.00	BR	63	63	63	100	8	12	29.10	29.81	24	CLR	NC			6.00	53	52	52	96	3	08	29.43	30.16	
					SUNRISE: 0552	OCT 04			SUNSET: 1728										SUNRISE: 0558	OCT 10									
03	SCT	NC			4.00	-RA BR	66	66	66	100	9	15	28.99	29.70	03	OVC	009			6.00	54	54	54	100	3	07	29.43	30.15	
06	OVC	150			6.00	BR	71	69	70	94	13	18	28.91	29.62	06	CLR	NC			3.00	52	52	52	100	3	03	29.43	30.16	
09	OVC	014			3.00	-RA BR	69	69	69	100	13	20	28.80	29.50	09	CLR	NC			5.00	61	53	57	75	3	15	29.45	30.18	
12	OVC	027			3.00	RA BR	62	61	61	96	13	28	28.79	29.49	12	FEW	NC			10.00	70	46	57	42	6	VR	29.43	30.16	
15	BKN	025			10.00		68	62	64	81	14	23	28.75	29.45	15	SCT	NC			10.00	72	48	59	43	0	00	29.38	30.11	
18	BKN	044			10.00		60	48	54	65	25	27	28.91	29.62	18	SCT	NC			10.00	63	50	56	63	8	14	29.39	30.12	
21	OVC	042			10.00		57	48	52	72	22	28	29.08	29.79	21	CLR	NC			10.00	61	50	55	67	6	10	29.42	30.14	
24	OVC	037			10.00		54	43	49	67	18	31	29.22	29.94	24	CLR	NC			6.00	52	51	52	97	0	00	29.41	30.14	
					SUNRISE: 0553	OCT 05			SUNSET: 1727										SUNRISE: 0560	OCT 11									
03	SCT	NC			10.00		50	43	47	77	13	31	29.29	30.01	03	CLR	NC			5.00	51	50	51	96	0	00	29.40	30.13	
06	FEW	NC			10.00		46	43	45	89	7	28	29.37	30.10	06	CLR	NC			4.00	49	49	49	100	0	00	29.42	30.15	
09	CLR	NC			10.00		52	43	48	72	9	28	29.45	30.18	09	FEW	NC			8.00	64	52	57	65	6	15	29.44	30.16	
12	CLR	NC			10.00		58	43	50	58	5	VR	29.45	30.18	12	CLR	NC			10.00	72	41	56	33	6	14	29.39	30.12	
15	CLR	NC			10.00		62	42	52	48	7	20	29.43	30.16	15	SCT	NC			10.00	70	51	59	51	10	08	29.34	30.07	
18	CLR	NC			10.00		55	45	50	69	3	18	29.42	30.15	18	CLR	NC			10.00	64	52	57	65	5	05	29.34	30.06	
21	FEW	NC			10.00		51	48	50	89	7	15	29.42	30.16	21	CLR	NC			10.00	61	54	57	78	5	09	29.34	30.06	
24	SCT	NC			10.00		50	45	48	83	7	16	29.38	30.11	24	CLR	NC			6.00	56	53	54	90	7	16	29.34	30.05	
					SUNRISE: 0554	OCT 06			SUNSET: 1725										SUNRISE: 0601	OCT 12									
03	SCT	NC			10.00		50	45	48	83	7	18	29.33	30.05	03	CLR	NC			4.00	55	54	54	96	5	19	29.33	30.04	
06	BKN	250			10.00		54	46	50	75	15	19	29.26	29.98	06	BKN	050			3.00	55	55	55	100	5	19	29.33	30.05	
09	BKN	150			10.00		59	49	54	69	18	19	29.20	29.92	09	OVC	050			3.00	59	58	58	96	6	17	29.32	30.04	
12	BKN	150			10.00		65	51	57	61	13	22	29.15	29.87	12	BKN	049			7.00	67	60	63	79	9	23	29.29	30.00	
15	CLR	NC			10.00		69	53	60	57	18	25	29																

## OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

OCTOBER 2002

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 <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: 0602						OCT 13	SUNSET: 1713						SUNRISE: 0609						OCT 19	SUNSET: 1704									
03	CLR	NC			10.00	43	36	40	76	13	30	29.53	30.27	03	FEW	NC			10.00	44	34	40	68	9	29	29.11	29.83		
06	CLR	NC			10.00	38	29	34	70	12	30	29.61	30.35	06	BKN	033			10.00	40	34	37	79	8	29	29.18	29.91		
09	CLR	NC			10.00	42	25	35	51	18	32	29.68	30.41	09	OVC	035			10.00	45	31	39	58	15	33	29.27	30.00		
12	CLR	NC			10.00	47	22	37	37	16	31	29.70	30.43	12	BKN	037			10.00	47	31	40	54	14	31	29.28	30.01		
15	CLR	NC			10.00	49	22	38	35	12	30	29.66	30.40	15	BKN	043			10.00	47	32	40	56	13	30	29.28	30.01		
18	CLR	NC			10.00	44	23	36	43	6	29	29.68	30.42	18	BKN	043			10.00	44	32	39	63	8	29	29.32	30.05		
21	CLR	NC			10.00	35	31	33	85	3	23	29.68	30.43	21	FEW	NC			10.00	40	30	36	68	5	30	29.34	30.07		
24	CLR	NC			10.00	33	27	31	78	0	00	29.67	30.42	24	CLR	NC			10.00	35	32	34	89	6	28	29.33	30.06		
SUNRISE: 0603						OCT 14	SUNSET: 1712						SUNRISE: 0610						OCT 20	SUNSET: 1703									
03	CLR	NC			10.00	36	28	33	73	0	00	29.65	30.39	03	CLR	NC			8.00	30	30	30	100	5	25	29.35	30.09		
06	CLR	NC			10.00	32	27	30	82	0	00	29.65	30.39	06	CLR	NC			10.00	33	29	31	85	7	31	29.38	30.12		
09	CLR	NC			10.00	49	25	39	39	7	21	29.61	30.35	09	CLR	NC			10.00	41	27	35	57	9	35	29.41	30.15		
12	CLR	NC			10.00	53	28	42	38	13	17	29.52	30.26	12	CLR	NC			10.00	47	28	39	48	5	VR	29.39	30.14		
15	CLR	NC			10.00	56	28	44	34	16	17	29.38	30.12	15	CLR	NC			10.00	51	30	42	45	0	00	29.38	30.12		
18	CLR	NC			10.00	51	26	41	38	7	18	29.33	30.06	18	BKN	250			10.00	44	33	39	65	9	11	29.40	30.14		
21	CLR	NC			10.00	44	28	38	53	6	18	29.31	30.03	21	BKN	250			10.00	43	35	40	74	5	VR	29.41	30.15		
24	CLR	NC			10.00	41	29	36	62	5	20	29.27	30.00	24	CLR	NC			8.00	38	35	37	89	0	00	29.42	30.16		
SUNRISE: 0604						OCT 15	SUNSET: 1710						SUNRISE: 0611						OCT 21	SUNSET: 1701									
03	CLR	NC			10.00	40	29	36	65	5	21	29.21	29.93	03	BKN	200			7.00	37	35	36	93	0	00	29.42	30.16		
06	FEW	NC			10.00	41	31	37	67	6	23	29.19	29.92	06	BKN	100			9.00	39	35	37	86	6	15	29.41	30.15		
09	FEW	NC			10.00	50	32	42	50	9	35	29.19	29.92	09	FEW	NC			10.00	45	31	39	58	13	15	29.41	30.15		
12	FEW	NC			10.00	57	39	48	51	7	33	29.19	29.92	12	SCT	NC			10.00	52	33	44	49	9	17	29.37	30.11		
15	BKN	055			10.00	55	39	47	55	12	36	29.20	29.92	15	BKN	180			10.00	55	36	46	49	9	19	29.31	30.04		
18	SCT	NC			10.00	50	37	44	61	12	36	29.25	29.98	18	BKN	075			10.00	49	40	45	71	3	19	29.31	30.04		
21	SCT	NC			10.00	44	28	38	53	7	34	29.26	29.98	21	SCT	NC			10.00	52	36	45	55	7	22	29.33	30.06		
24	FEW	NC			10.00	41	33	38	74	8	34	29.26	29.99	24	FEW	NC			10.00	45	36	41	71	3	24	29.34	30.06		
SUNRISE: 0605						OCT 16	SUNSET: 1709						SUNRISE: 0612						OCT 22	SUNSET: 1660									
03	SCT	NC			10.00	39	34	37	82	7	36	29.28	30.00	03	CLR	NC			7.00	42	39	41	89	14	34	29.38	30.12		
06	FEW	NC			10.00	37	32	35	82	10	35	29.30	30.02	06	OVC	013			9.00	39	35	37	86	13	34	29.46	30.20		
09	BKN	250			10.00	44	30	38	58	13	34	29.34	30.07	09	BKN	015			10.00	39	33	37	79	8	34	29.52	30.26		
12	BKN	250			10.00	48	25	39	41	3	VR	29.31	30.04	12	FEW	NC			10.00	48	33	41	56	8	33	29.53	30.26		
15	BKN	250			10.00	48	30	40	50	12	05	29.27	30.00	15	BKN	250			10.00	49	34	42	57	10	35	29.52	30.27		
18	SCT	NC			10.00	43	32	38	65	7	06	29.28	30.01	18	BKN	110			10.00	42	34	39	73	12	34	29.57	30.31		
21	BKN	250			10.00	42	31	37	65	0	00	29.29	30.02	21	OVC	120			10.00	42	35	39	76	13	34	29.60	30.35		
24	SCT	NC			10.00	37	32	35	82	3	34	29.26	29.99	24	OVC	014			7.00	40	36	38	86	9	35	29.64	30.38		
SUNRISE: 0606						OCT 17	SUNSET: 1707						SUNRISE: 0613						OCT 23	SUNSET: 1658									
03	OVC	085			10.00	37	33	35	86	3	VR	29.26	29.99	03	OVC	020			10.00	41	37	39	86	10	32	29.62	30.36		
06	OVC	085			10.00	39	31	36	73	8	23	29.26	30.00	06	OVC	012			9.00	42	41	42	96	9	36	29.66	30.40		
09	OVC	044			10.00	41	33	38	74	9	26	29.28	30.02	09	OVC	020			10.00	43	39	41	86	15	04	29.69	30.43		
12	OVC	024			10.00	43	35	40	74	12	23	29.25	29.98	12	OVC	024			10.00	45	38	42	77	10	07	29.69	30.43		
15	OVC	027			10.00	44	37	41	76	9	22	29.22	29.95	15	OVC	019			10.00	43	39	41	86	12	05	29.68	30.42		
18	OVC	033			10.00	42	40	41	92	6	22	29.24	29.97	18	OVC	050			10.00	44	36	41	73	14	05	29.68	30.42		
21	OVC	025			10.00	41	40	41	96	5	24	29.25	29.98	21	OVC	042			10.00	45	36	41	71	7	05	29.66	30.40		
24	SCT	NC			7.00	37	37	37	100	6	24	29.27	30.00	24	OVC	038			10.00	45	36	41	71	14	10	29.65	30.39		
SUNRISE: 0608						OCT 18	SUNSET: 1706						SUNRISE: 0615						OCT 24	SUNSET: 1657									
03	OVC	007			7.00	38	37	38	97	7	24	29.27	30.01	03	OVC	027			10.00	44	39	42	83	7	10	29.63	30.37		
06	OVC	045			5.00	39	39	39	100	9	15	29.23	29.96	06	OVC	023			6.00	42	40	41	92	9	13	29.64	30.38		
09	OVC	085			6.00	43	40	42	89	13	18	29.18	29.91	09	OVC	018			10.00	42	39	41	89	16	10	29.66	30.40		
12	BKN	200			10.00	53	41	47	64	20	20	29.08	29.81	12	OVC	014			10.00	43	40	42	89	16	10	29.62	30.36		
15	BKN	250			10.00	61	45	53	56	15	21	29.01	29.73	15	OVC	021			10.00	44	37	41	76	14	10	29.57	30.31		
18	OVC	150			10.00	58	48	53	70	7	20	29.01	29.73	18	OVC	045			10.00	45	36	41	71	14	10	29.55	30.29		
21	OVC	100			10.00	56	49	52	77	6	25	29.02	29.74	21	OVC	041			10.00	45	37	41	74	14	12	29.52	30.26		
24	OVC	100			10.00	52	38	45	59	16	28	29.05	29.77	24	OVC	041			10.00	43	39	41	86	14	13	29.48	30.22		

## OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

OCTOBER 2002

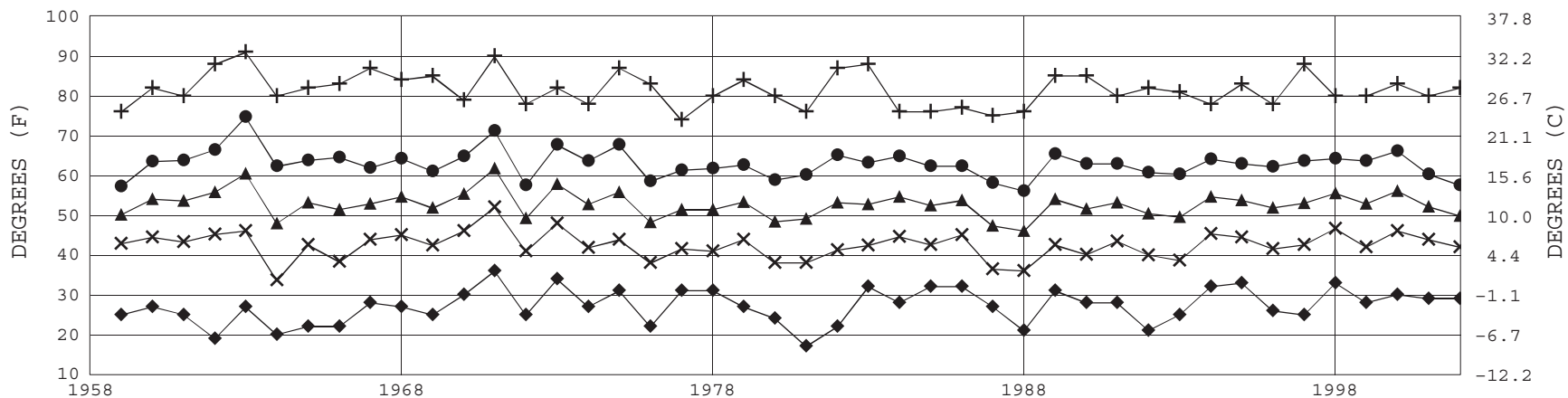
ORD

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 OFF 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 OFF 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: 0616						OCT 25	SUNSET: 1655						SUNRISE: 0623						OCT 31	SUNSET: 1647											
03	OVC	028		5.00	-RA BR	42	41	42	96	8	13	29.46	30.19	03	OVC	110		10.00		40	36	38	86	9	34	29.42	30.16				
06	OVC	031		6.00	-RA BR	43	41	42	93	13	13	29.41	30.15	06	OVC	100		9.00		40	35	38	83	3	34	29.44	30.18				
09	OVC	047		7.00		45	42	44	90	12	10	29.35	30.09	09	SCT	NC		9.00		43	36	40	76	9	32	29.47	30.22				
12	OVC	014		7.00		46	43	45	89	9	09	29.28	30.01	12	BKN	029		10.00		47	35	42	63	14	30	29.46	30.19				
15	OVC	012		6.00	BR	47	44	46	90	7	VR	29.23	29.96	15	SCT	NC		10.00		44	32	39	63	14	29	29.42	30.17				
18	OVC	012		6.00	BR	46	44	45	93	6	08	29.22	29.95	18	BKN	250		10.00		39	31	36	73	9	27	29.43	30.17				
21	OVC	014		6.00	BR	47	45	46	93	0	00	29.23	29.96	21	OVC	100		10.00		35	24	31	64	15	29	29.47	30.21				
24	OVC	009		3.00	BR	46	46	46	100	5	27	29.25	29.98	24	FEW	NC		10.00		31	22	28	69	12	29	29.47	30.22				
SUNRISE: 0617						OCT 26	SUNSET: 1654						3-HOURLY OBSERVATION NOTES																		
03	OVC	005		4.00	BR	46	45	46	96	8	28	29.26	29.98	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.																	
06	OVC	007		10.00		45	44	45	97	10	31	29.30	30.02	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																	
09	OVC	015		10.00		45	41	43	86	13	31	29.34	30.08	NC= No ceiling detected.																	
12	OVC	019		10.00		45	39	42	80	8	34	29.37	30.11	& = Original observation contained additional weather elements.																	
15	OVC	029		10.00		47	38	43	71	8	30	29.36	30.10	See page 3 for additional notes.																	
18	BKN	031		10.00		44	36	40	73	5	25	29.40	30.14																		
21	CLR	NC		10.00		39	36	38	89	5	24	29.42	30.17																		
24	OVC	040		10.00		41	37	39	86	6	27	29.45	30.19																		
SUNRISE: 0618						OCT 27	SUNSET: 1652						SUMMARY BY HOUR																		
03	OVC	040		10.00		41	38	40	89	3	27	29.46	30.21	HOUR (LST)	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH)						
06	BKN	042		10.00		39	35	37	86	7	35	29.50	30.24								STATION	SEA LEVEL			SPEED	DIRECTION					
09	BKN	250		10.00		40	24	34	53	13	36	29.54	30.28	01			47	41	44	82	29.36	30.09	8.77	7	2	31					
12	OVC	250		10.00		44	24	36	45	0	00	29.53	30.27	02			46	41	44	84	29.36	30.09	8.42	7	1	32					
15	OVC	200		10.00		44	30	38	58	7	05	29.51	30.25	03			46	42	44	86	29.36	30.09	8.15	8	1	34					
18	OVC	070		10.00		42	28	36	58	8	06	29.51	30.26	04			46	41	44	85	29.36	30.09	8.55	8	1	35					
21	OVC	060		10.00		42	32	38	68	5	05	29.49	30.23	05			46	41	44	85	29.37	30.10	8.39	8	1	30					
24	OVC	065		10.00		41	35	38	79	7	02	29.44	30.18	06			46	41	44	85	29.37	30.11	8.42	8	1	32					
SUNRISE: 0619						OCT 28	SUNSET: 1651						07			46	41	44	83	29.38	30.11	7.87	8	1	34						
03	OVC	028		8.00		40	37	39	89	7	36	29.45	30.19	08			48	41	45	78	29.39	30.12	8.32	10	1	32					
06	OVC	018		10.00	-DZ	38	36	37	93	12	01	29.44	30.18	09			50	41	46	72	29.39	30.12	8.84	11	1	34					
09	OVC	023		9.00		42	39	41	89	6	VR	29.43	30.17	10			52	41	47	67	29.39	30.12	9.42	11	0	0					
12	OVC	027		10.00		47	37	42	69	13	07	29.40	30.14	11			53	40	47	64	29.38	30.11	9.48	11	1	25					
15	OVC	100		10.00		47	34	41	61	10	07	29.38	30.12	12			54	40	47	62	29.37	30.10	9.58	9	1	19					
18	OVC	100		10.00		46	35	41	66	10	07	29.38	30.13	13			55	40	48	60	29.35	30.07	9.84	8	0	0					
21	OVC	100		10.00		48	37	43	66	14	09	29.37	30.11	14			55	41	48	61	29.33	30.07	9.87	10	1	25					
24	OVC	065		10.00		46	36	42	68	15	09	29.36	30.09	15			55	41	48	61	29.33	30.06	9.81	10	1	34					
SUNRISE: 0621						OCT 29	SUNSET: 1650						16			54	41	48	63	29.33	30.06	9.61	10	1	36						
03	OVC	070		10.00		45	37	41	74	21	10	29.33	30.06	17			52	41	47	67	29.34	30.07	9.61	10	1	4					
06	OVC	024		10.00		43	35	40	74	16	08	29.33	30.06	18			51	41	46	70	29.35	30.08	9.65	9	1	3					
09	OVC	055		10.00		43	32	38	65	15	09	29.34	30.07	19			50	41	46	72	29.35	30.09	9.55	8	2	35					
12	OVC	050		10.00		43	33	39	68	16	06	29.29	30.02	20			49	41	45	74	29.36	30.09	9.48	7	1	34					
15	OVC	023		10.00		43	34	39	71	16	04	29.26	29.99	21			49	41	45	75	29.37	30.10	9.61	8	2	33					
18	OVC	039		10.00		44	35	40	71	15	06	29.30	30.03	22			47	40	44	79	29.37	30.10	9.23	8	2	34					
21	OVC	100		10.00		43	33	39	68	17	06	29.32	30.05	23			47	41	44	80	29.37	30.10	9.03	8	2	33					
24	OVC	030		10.00		43	36	40	76	12	07	29.31	30.04	24			46	40	43	81	29.37	30.10	8.94	8	2	33					
SUNRISE: 0622						OCT 30	SUNSET: 1648																								
03	OVC	029		10.00		43	36	40	76	14	06	29.31	30.04																		
06	OVC	027		10.00		43	36	40	76	10	07	29.35	30.09																		
09	OVC	030		10.00		43	36	40	76	14	06	29.39	30.13																		
12	BKN	032		10.00		46	32	40	58	12	07	29.37	30.11																		
15	BKN	250		10.00		45	33	40	63	9	05	29.37	30.11																		
18	OVC	110		10.00		42	34	39	73	12	01	29.39	30.13																		
21	OVC	120		10.00		41	35	38	79	8	35	29.41	30.16																		
24	OVC	095		10.00		41	37	39	86	8	33	29.42	30.16																		



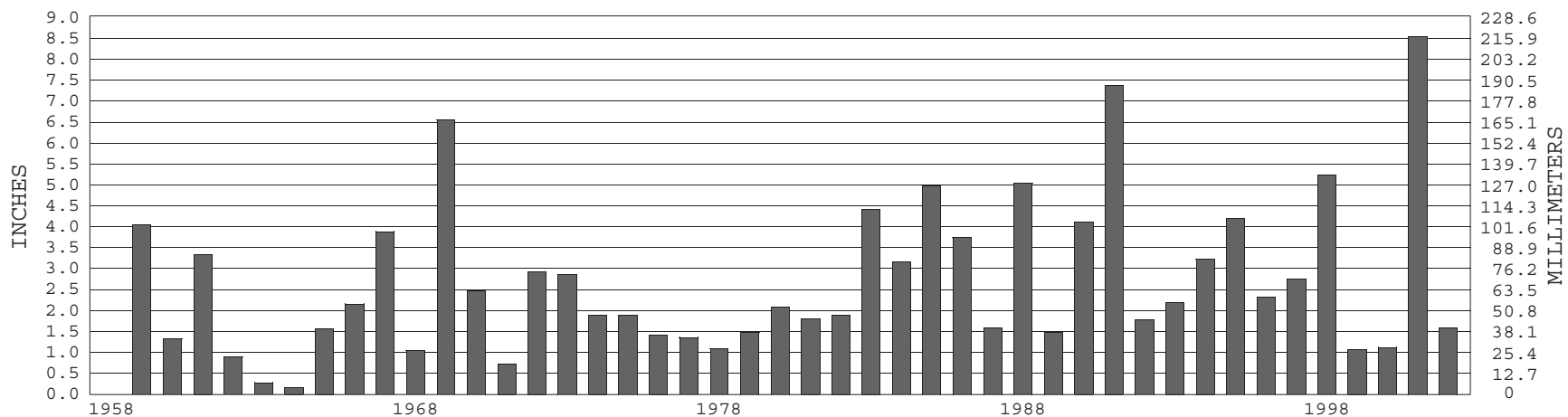
# CHICAGO, IL OCTOBER TEMPERATURES



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

Long-Term (1958-2002) Mean: 51.5    1961-1990 Normal: 52.1

# CHICAGO, IL OCTOBER PRECIPITATION



Long-Term (1958-2002) Mean Monthly Total: 2.65

1961-1990 Normal: 2.71



OCTOBER 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.*

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