



APRIL 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	41	27	34	-9	27	31	31	0	RA DZ SN PL FG BR	0		0.9	0.22	29.25	29.99	0.9	09	6.0	20	06	15	07	01																
02	44	33	39	-4	34	37	26	0	RA DZ SN BR HZ	0		T	0.02	29.09	29.83	9.1	34	12.7	29	29	24	31	02																
03	40	30	35	-8	28	32	30	0	SN BR	0		T	0.01	29.54	30.28	8.0	32	8.6	21	30	20	31	03																
04	37	25	31*	-12	25	29	34	0	SN BR	0		0.1	0.02	29.69	30.44	4.3	34	5.9	22	33	15	34	04																
05	41	24	33	-11	25	30	32	0	SN BR	0		T	T	29.65	30.40	3.7	31	6.4	22	08	18	31	05																
06	44	24*	34	-10	23	31	31	0		0		0.0	0.00	29.63	30.38	5.5	14	7.4	22	10	17	14	06																
07	49	35	42	-3	34	39	23	0	RA BR	0		0.0	0.30	29.29	30.03	11.6	19	11.9	26	18	21	18	07																
08	52	46	49	4	48	49	16	0	RA DZ FG+ BR	0		0.0	0.88	29.08	29.81	1.7	07	7.1	26	02	15	36	08																
09	51	35	43	-2	39	41	22	0	RA DZ BR	0		0.0	0.05	29.48	30.22	3.2	04	7.5	24	06	17	36	09																
10	64	34	49	3	36	44	16	0	BR HZ	0		0.0	0.00	29.62	30.36	10.5	18	10.7	24	17	21	17	10																
11	75	50	63	17	41	52	2	0		0		0.0	0.00	29.37	30.09	12.8	19	13.0	29	17	23	18	11																
12	67	47	57	11	51	53	8	0	RA	0		0.0	T	29.34	30.06	1.8	24	8.7	28	23	20	22	12																
13	62	42	52	5	45	48	13	0	BR	0		0.0	0.00	29.38	30.11	3.9	07	5.7	24	06	12	08	13																
14	77	41	59	12	50	56	6	0	BR HZ	0		0.0	0.00	29.08	29.80	9.8	20	10.2	26	19	22	19	14																
15	88	62	75	28	59	65	0	10		0		0.0	0.00	29.07	29.77	13.1	21	13.7	31	21	23	21	15																
16	87	68	78*	30	61	67	0	13		0		0.0	0.00	29.15	29.86	17.1	20	17.3	37	21	29	19	16																
17	85	65	75	27	58	65	0	10	RA	0		0.0	0.07	29.26	29.97	6.0	24	10.2	25	23	20	22	17																
18	89*	63	76	27	61	67	0	11	TS RA	0		0.0	0.04	29.16	29.86	12.8	21	14.2	39	21	32	30	18																
19	68	44	56	7	47	52	9	0	TSRA RA	0		0.0	0.19	29.29	30.00	10.1	02	13.6	28	02	23	04	19																
20	48	41	45	-4	30	38	20	0	RA	0		0.0	0.04	29.40	30.13	17.6	04	17.7	31	03	25	03	20																
21	42	39	41	-9	38	39	24	0	RA DZ BR	0		0.0	0.35	29.19	29.92	12.6	07	14.3	33	09	26	10	21																
22	43	36	40	-11	33	37	25	0	RA	0		0.0	T	29.36	30.10	5.4	35	8.3	22	05	16	32	22																
23	60	31	46	-5	37	42	19	0	BR	0		0.0	0.00	29.42	30.16	7.5	15	8.3	20	13	17	12	23																
24	73	42	58	7	44	50	7	0	TSRA RA BR	0		0.0	0.29	29.17	29.89	8.8	22	16.2	46*	27	36*	28	24																
25	54	37	46	-6	26	38	19	0		0		0.0	0.00	29.40	30.13	14.9	27	15.4	41	29	32	26	25																
26	53	36	45	-7	26	37	20	0		0		0.0	0.00	29.56	30.30	3.1	06	6.9	22	09	15	10	26																
27	54	41	48	-4	37	43	17	0	TSRA RA DZ BR	0		0.0	0.51	29.22	29.95	12.3	12	13.7	33	11	28	12	27																
28	59	41	50	-3	41	44	15	0	RA BR	0		0.0	0.01	28.99	29.71	11.5	29	15.6	39	24	31	25	28																
29	61	40	51	-2	38	45	14	0		0		0.0	0.00	29.22	29.95	8.8	26	9.3	26	27	20	28	29																
30	60	47	54	1	34	45	11	0	RA	0		0.0	T	29.16	29.88	2.6	28	6.3	20	36	15	34	30																
58.9 40.9 49.9 ■■										< MONTHLY AVERAGES TOTALS->			1.0	3.00	29.32	30.05	1.9	22	10.8	<- MONTHLY AVERAGES																			
0.9 3.3 2.1 ■■										<-----DEPARTURE FROM NORMAL----->										- .68										SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.93			DATE :08-09			SEA LEVEL PRESSURE				DATE TIME																				
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.9			DATE :01			MAXIMUM :				30.48 06 0956																				
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0			DATE :			MINIMUM :				29.36 28 0256																				
HEATING: 490 -2 5350 -916									NUMBER OF DAYS WITH →			MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32: 6			PRECIPITATION ≥ 0.01 INCH : 15																					
COOLING: 44 35 44 34												MAXIMUM TEMP ≤ 32 : 0			MINIMUM TEMP ≤ 0 : 0			PRECIPITATION ≥ 0.10 INCH : 7																					
												THUNDERSTORMS : 4			HEAVY FOG : 1			SNOWFALL ≥ 1.0 INCH : 0																					

APRIL 2002
CHICAGO, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

CHICAGO, IL

APRIL 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												01		0.22	
02	T	T	T			0.01	T	0.01	T				02		T	0.05	0.05	0.06	0.04	0.01	T	0.01	T	T	T		02	0.02
03										T	T		03			T	T	T	T	T	T	T	T	0.01	03		0.01	
04	T											T	04	T	T	T	T	T	T	0.01	T	T			04		0.02	
05											T	T	05	T	T	T	0.01	T	T		T	T			05		T	
06													06												06		0.00	
07													07	0.02	T	0.02	0.03	T		T	T				07		0.30	
08	T	T	T	T	T	T	0.02	T	0.04	0.04	0.04	0.06	08	0.10	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.08	0.01	T	08		0.88	
09	0.01	T	0.03	0.01			T	T	T	T		0.08	09										0.07	0.03	0.08		09	0.05
10													10												10		0.00	
11													11												11		0.00	
12					T	T	T					T	12												12		T	
13													13												13		0.00	
14													14												14		0.00	
15													15												15		0.00	
16													16												16		0.00	
17				0.07	T								17												17		0.07	
18													18												18		0.04	
19		T	T										19												19		0.19	
20	0.02	0.01											20								0.12	0.02	0.03	0.04	0.01		20	0.04
21	0.01	0.01	0.03	0.06	0.09	0.03	T	0.01	T	T			21			0.04	0.04	0.01	T	0.01	T	T	0.01	T	21		0.35	
22					T						T	T	22												22		T	
23													23												23		0.00	
24													24			T	0.25	0.01	0.03	T	T				24		0.29	
25													25												25		0.00	
26													26												26		0.00	
27											T	0.02	27	0.10	0.08	0.11	0.11	T		0.03	0.02	0.02	T	T	27		0.51	
28						T	0.01						28												28		0.01	
29													29												29		0.00	
30							T						30												30		T	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.08	.12	.12	.13	.18	.23	.25	.26	.26	.26	.28	.30
Ending Date	19	19	19	24	24	24	24	24	24	24	24	27
Ending Time (Hour/Min)	2044	2049	2049	1543	1550	1557	1557	1557	1557	1557	1722	1556

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
APRIL 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.

Errata –Feb LCD 2002– Please change min temp on day 24 to 38 degrees F.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							.50	10.00	
02							2.50	10.00	
03							4.00	10.00	
04							1.00	10.00	
05							3.00	10.00	
06							7.00	10.00	
07							4.00	10.00	
08							.25	7.00	
09							2.00	10.00	
10							3.00	10.00	
11							10.00	10.00	
12							7.00	10.00	
13							4.00	10.00	
14							1.50	10.00	
15							9.00	10.00	
16							9.00	10.00	
17							10.00	10.00	
18							8.00	10.00	
19							6.00	10.00	
20							7.00	10.00	
21							1.75	10.00	
22							7.00	10.00	
23							6.00	10.00	
24							2.50	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							1.50	10.00	
28							1.50	10.00	
29							9.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							5.41	9.90	

SUNSHINE (MINUTES)
 Total: Possible:
 Percent Possible:

NUMBER OF DAYS WITH:
SKY CONDITION
 CLR PTLY CLDY CLOUDY MISSING
 30
MINIMUM VISIBILITY (MILES)
 <=0.25 <=3.0 >=7.0
 1 12 13

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

APRIL 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: 0535				APR 01		SUNSET: 1816				SUNRISE: 0524				APR 07		SUNSET: 1823													
03	CLR	NC			10.00		30	23	28	75	7	29	29.28	30.02	03	BKN	250			10.00		37	20	31	50	13	19	29.37	30.11
06	FEW	NC			10.00		27	23	26	85	3	25	29.32	30.06	06	OVC	075			10.00		38	22	32	53	15	19	29.35	30.09
09	SCT	NC			10.00		36	22	31	57	3	30	29.34	30.08	09	OVC	045			6.00	-RA BR	35	32	34	89	13	19	29.36	30.11
12	OVC	200			10.00		40	24	34	53	8	26	29.30	30.04	12	OVC	025			4.00	-RA BR	39	37	38	93	13	18	29.30	30.03
15	VV	005			0.50	SN FG	33	32	33	96	0	00	29.23	29.97	15	OVC	035			6.00	-RA BR	43	41	42	93	10	18	29.25	29.98
18	OVC	007			1.00	-SN BR	33	32	33	96	7	11	29.21	29.95	18	OVC	065			10.00		45	41	43	86	5	18	29.21	29.94
21	OVC	003			3.00	-RAPL BR	34	33	34	97	10	08	29.17	29.91	21	OVC	050			8.00	-RA	48	44	46	86	13	21	29.21	29.95
24	OVC	005			5.00	-DZ BR	36	32	34	86	12	08	29.09	29.82	24	OVC	035			7.00		49	46	47	90	13	21	29.20	29.93
SUNRISE: 0533				APR 02		SUNSET: 1817				SUNRISE: 0523				APR 08		SUNSET: 1824													
03	BKN	007			7.00		36	34	35	94	8	06	29.00	29.73	03	OVC	026			7.00	-RA	48	46	47	93	3	20	29.17	29.90
06	OVC	021			5.00	-RA BR	38	37	38	97	9	03	28.98	29.72	06	OVC	010			0.75	-DZ BR	47	47	47	100	5	14	29.17	29.90
09	OVC	006			2.50	BR	40	38	39	93	5	07	28.97	29.71	09	OVC	007			1.75	-RA BR	49	49	49	100	8	15	29.13	29.86
12	OVC	010			5.00	HZ	43	38	41	82	13	30	29.01	29.75	12	OVC	007			2.00	-RA BR	51	51	51	100	7	14	29.07	29.79
15	OVC	016			10.00		43	36	40	76	14	30	29.08	29.81	15	OVC	005			1.50	-RA BR	52	52	52	100	6	09	28.99	29.72
18	OVC	015			6.00	-SN	39	33	37	79	17	31	29.17	29.91	18	OVC	002			0.50	-RA FG	51	51	51	100	6	VR	28.97	29.69
21	OVC	019			10.00		37	30	34	76	16	31	29.26	29.99	21	OVC	004			3.00	RA BR	47	47	47	100	9	36	29.02	29.75
24	OVC	030			8.00		34	28	32	79	9	36	29.33	30.07	24	OVC	008			6.00	RA BR	46	45	46	96	14	34	29.11	29.83
SUNRISE: 0531				APR 03		SUNSET: 1818				SUNRISE: 0521				APR 09		SUNSET: 1825													
03	SCT	NC			10.00		31	26	29	82	8	33	29.39	30.13	03	OVC	008			10.00	-RA	45	44	45	97	12	34	29.20	29.92
06	BKN	055			10.00		31	28	30	89	7	31	29.46	30.21	06	OVC	009			3.00	BR	44	41	43	89	10	35	29.34	30.08
09	BKN	048			10.00		36	28	33	73	9	31	29.51	30.26	09	OVC	017			5.00	BR	42	41	42	96	7	05	29.46	30.20
12	OVC	055			10.00		38	26	33	62	12	31	29.54	30.29	12	OVC	033			9.00		43	40	42	89	7	08	29.54	30.28
15	OVC	070			10.00		39	28	35	65	8	31	29.57	30.32	15	FEW	NC			10.00		48	37	43	66	0	00	29.56	30.30
18	OVC	065			10.00	-SN	36	30	34	79	13	31	29.61	30.35	18	CLR	NC			10.00		46	34	41	63	7	11	29.61	30.35
21	BKN	030			10.00	-SN	34	29	32	82	7	28	29.65	30.40	21	CLR	NC			10.00		37	33	35	86	5	16	29.65	30.40
24	OVC	035			6.00	-SN	32	25	29	75	9	34	29.66	30.41	24	CLR	NC			9.00		36	34	35	91	6	17	29.68	30.42
SUNRISE: 0529				APR 04		SUNSET: 1819				SUNRISE: 0520				APR 10		SUNSET: 1826													
03	OVC	050			10.00		31	22	28	69	8	35	29.66	30.41	03	CLR	NC			5.00	BR	35	32	34	89	5	18	29.70	30.44
06	OVC	050			10.00		30	21	27	69	7	31	29.71	30.46	06	FEW	NC			3.00	BR	36	34	35	93	7	17	29.71	30.46
09	BKN	048			10.00		33	17	28	52	5	27	29.72	30.47	09	CLR	NC			6.00	HZ	50	39	45	66	14	15	29.69	30.43
12	OVC	029			10.00	-SN	36	25	32	64	9	32	29.71	30.45	12	SCT	NC			10.00		58	39	49	50	13	17	29.65	30.38
15	OVC	026			8.00	-SN	34	28	32	79	8	04	29.67	30.42	15	SCT	NC			10.00		63	33	49	33	15	20	29.56	30.30
18	OVC	016			1.50	-SN	32	30	31	92	6	05	29.69	30.45	18	BKN	250			10.00		60	34	48	38	13	18	29.53	30.27
21	OVC	049			8.00	-SN	31	29	30	92	0	00	29.70	30.45	21	BKN	250			10.00		54	38	46	55	12	16	29.53	30.26
24	SCT	NC			7.00		25	25	25	100	0	00	29.69	30.44	24	CLR	NC			10.00		53	32	44	45	13	17	29.49	30.22
SUNRISE: 0528				APR 05		SUNSET: 1820				SUNRISE: 0518				APR 11		SUNSET: 1827													
03	CLR	NC			5.00		26	26	26	100	5	30	29.67	30.42	03	BKN	200			10.00		51	40	46	65	5	20	29.47	30.20
06	BKN	150			7.00		25	24	25	96	0	00	29.68	30.44	06	BKN	200			10.00		50	40	45	68	9	18	29.45	30.19
09	BKN	055			10.00		35	24	31	64	7	26	29.68	30.43	09	BKN	200			10.00		61	42	51	50	15	20	29.45	30.18
12	OVC	055			10.00	-SN	38	25	33	60	12	28	29.65	30.40	12	BKN	250			10.00		70	41	55	35	18	20	29.38	30.11
15	OVC	050			10.00		40	23	34	51	14	29	29.60	30.35	15	BKN	250			10.00		75	39	56	27	15	21	29.31	30.02
18	BKN	065			10.00		36	25	32	64	5	VR	29.61	30.36	18	BKN	250			10.00		72	36	54	27	15	19	29.26	29.98
21	FEW	NC			10.00		32	25	29	75	6	VR	29.64	30.39	21	BKN	250			10.00		66	45	55	47	10	18	29.27	29.99
24	SCT	NC			10.00		28	24	27	85	0	00	29.65	30.40	24	SCT	NC			10.00		65	52	58	63	14	20	29.25	29.97
SUNRISE: 0526				APR 06		SUNSET: 1822				SUNRISE: 0516				APR 12		SUNSET: 1828													
03	CLR	NC			8.00		28	24	27	85	3	31	29.66	30.41	03	OVC	130			10.00		65	55	59	70	14	23	29.23	29.93
06	FEW	NC			9.00		27	23	26	85	3	30	29.71	30.46	06	BKN	090			7.00	-RA	60	55	57	84	8	22	29.27	29.98
09	SCT	NC			10.00		36	21	31	55	0	00	29.73	30.48	09	BKN	015			10.00		62	56	59	81	10	26	29.31	30.03
12	BKN	049			10.00		40	22	33	49	8	08	29.70	30.45	12	OVC	014												

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

APRIL 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: 0515 APR 13 SUNSET: 1829						SUNRISE: 0505 APR 19 SUNSET: 1836																							
03	SCT	NC			4.00	BR	44	43	44	96	0	00	29.41	30.14	03	BKN	150			10.00	66	57	61	73	6	27	29.14	29.85	
06	SCT	NC			5.00	BR	45	44	45	97	5	35	29.43	30.16	06	BKN	200			10.00	64	53	58	68	13	34	29.22	29.93	
09	SCT	NC			10.00		53	45	49	74	6	03	29.44	30.17	09	BKN	200			10.00	64	50	56	61	12	35	29.30	30.01	
12	SCT	NC			10.00		60	48	54	65	7	VR	29.40	30.14	12	BKN	023			10.00	60	47	53	62	16	05	29.34	30.06	
15	BKN	250			10.00		61	49	54	65	5	08	29.35	30.09	15	BKN	250			10.00	56	42	49	60	18	02	29.34	30.06	
18	OVC	250			10.00		55	47	51	74	7	10	29.34	30.07	18	BKN	250			10.00	50	39	45	66	20	03	29.34	30.06	
21	OVC	200			10.00		49	44	47	83	7	09	29.34	30.06	21	OVC	065			6.00	-TSRA	46	40	43	79	14	03	29.36	30.09
24	BKN	200			8.00		46	44	45	93	5	15	29.29	30.01	24	OVC	070			7.00	-RA	44	38	41	79	14	03	29.35	30.08
SUNRISE: 0513 APR 14 SUNSET: 1830						SUNRISE: 0504 APR 20 SUNSET: 1837																							
03	BKN	200			5.00	BR	44	43	44	96	0	00	29.24	29.96	03	OVC	050			7.00	42	33	38	71	16	03	29.35	30.08	
06	SCT	NC			3.00	BR	44	44	44	100	6	15	29.21	29.93	06	OVC	060			10.00	41	29	36	62	17	02	29.40	30.14	
09	FEW	NC			8.00		63	53	57	70	9	21	29.14	29.86	09	CLR	NC			10.00	45	31	39	58	20	03	29.43	30.17	
12	CLR	NC			10.00		72	51	60	48	17	21	29.07	29.79	12	BKN	100			10.00	46	29	39	51	21	04	29.42	30.16	
15	BKN	060			10.00		75	48	60	39	14	22	28.99	29.70	15	OVC	085			10.00	45	28	38	52	18	04	29.39	30.13	
18	SCT	NC			10.00		74	49	60	41	15	21	28.95	29.66	18	OVC	100			10.00	42	25	35	51	20	03	29.39	30.13	
21	BKN	250			10.00		70	57	62	64	14	20	28.97	29.68	21	OVC	065			10.00	42	26	36	53	15	04	29.38	30.11	
24	BKN	080			10.00		68	58	62	70	12	21	28.98	29.69	24	OVC	075			10.00	-RA	41	34	38	76	15	05	29.34	30.07
SUNRISE: 0511 APR 15 SUNSET: 1832						SUNRISE: 0502 APR 21 SUNSET: 1838																							
03	BKN	250			10.00		65	59	61	81	7	22	29.00	29.71	03	OVC	060			7.00	-RA	39	37	38	93	16	04	29.29	30.02
06	SCT	NC			10.00		64	58	60	81	10	22	29.05	29.76	06	OVC	014			6.00	-RA BR	39	37	38	93	20	06	29.29	30.02
09	FEW	NC			10.00		74	60	65	62	15	26	29.09	29.80	09	OVC	010			9.00	-RA	39	38	39	96	17	09	29.24	29.97
12	SCT	NC			10.00		83	62	69	49	16	20	29.08	29.79	12	OVC	016			10.00	42	38	40	85	18	10	29.15	29.88	
15	SCT	NC			10.00		88	55	67	33	21	22	29.06	29.76	15	OVC	009			2.00	-DZ BR	40	40	40	100	16	10	29.06	29.80
18	SCT	NC			10.00		84	55	66	37	15	20	29.05	29.76	18	OVC	011			2.50	-RA BR	40	40	40	100	12	06	29.10	29.83
21	FEW	NC			10.00		78	61	67	56	16	19	29.12	29.82	21	OVC	006			3.00	-RA BR	39	39	39	100	7	VR	29.15	29.88
24	CLR	NC			10.00		74	62	66	67	17	21	29.15	29.85	24	OVC	005			6.00	BR	39	39	39	100	6	36	29.14	29.87
SUNRISE: 0510 APR 16 SUNSET: 1833						SUNRISE: 0501 APR 22 SUNSET: 1839																							
03	CLR	NC			10.00		70	62	65	76	15	21	29.17	29.87	03	OVC	005			10.00	38	38	38	100	8	35	29.18	29.91	
06	CLR	NC			9.00		68	62	64	81	13	19	29.20	29.91	06	BKN	019			10.00	36	33	35	89	10	34	29.27	30.01	
09	FEW	NC			10.00		76	63	68	64	16	22	29.19	29.90	09	OVC	021			10.00	39	33	37	79	9	32	29.34	30.07	
12	FEW	NC			10.00		83	62	69	49	20	20	29.15	29.86	12	OVC	036			10.00	40	33	37	77	13	31	29.38	30.13	
15	BKN	250			10.00		87	57	68	36	24	19	29.10	29.80	15	OVC	032			10.00	42	31	37	65	6	30	29.40	30.14	
18	OVC	200			10.00		84	55	66	37	17	20	29.11	29.82	18	OVC	049			10.00	39	32	36	76	7	VR	29.43	30.18	
21	OVC	200			10.00		77	61	67	58	15	20	29.14	29.85	21	OVC	032			10.00	38	33	36	83	3	12	29.47	30.22	
24	BKN	200			10.00		73	62	66	69	18	21	29.17	29.88	24	OVC	045			10.00	38	34	36	86	6	13	29.46	30.21	
SUNRISE: 0508 APR 17 SUNSET: 1834						SUNRISE: 0459 APR 23 SUNSET: 1840																							
03	OVC	085			10.00		72	62	66	71	14	22	29.20	29.90	03	SCT	NC			8.00	34	32	33	92	3	14	29.46	30.21	
06	BKN	200			10.00		67	61	63	81	12	21	29.23	29.94	06	SCT	NC			7.00	35	33	34	93	5	19	29.49	30.23	
09	BKN	039			10.00		73	64	67	74	14	24	29.28	29.98	09	FEW	NC			10.00	46	34	41	63	9	14	29.48	30.22	
12	SCT	NC			10.00		80	62	69	54	15	27	29.28	29.98	12	OVC	050			10.00	52	36	45	55	12	17	29.45	30.19	
15	FEW	NC			10.00		84	57	67	40	9	23	29.27	29.97	15	CLR	NC			10.00	58	41	50	54	9	14	29.38	30.12	
18	FEW	NC			10.00		81	46	61	29	13	34	29.26	29.97	18	CLR	NC			10.00	55	40	48	57	13	11	29.34	30.08	
21	CLR	NC			10.00		73	50	60	44	7	08	29.30	30.01	21	CLR	NC			10.00	46	40	43	79	9	15	29.34	30.09	
24	FEW	NC			10.00		67	58	62	73	3	10	29.31	30.02	24	CLR	NC			9.00	49	41	45	74	10	15	29.32	30.04	
SUNRISE: 0507 APR 18 SUNSET: 1835						SUNRISE: 0458 APR 24 SUNSET: 1842																							
03	CLR	NC			10.00		70	62	65	76	8	21	29.29	29.99	03	CLR	NC			10.00	49	42	46	77	10	17	29.26	29.98	
06	SCT	NC			10.00		69	62	65	78	12	21	29.27	29.98	06	CLR	NC			10.00	52	43	48	72	12	18	29.23	29.95	
09	BKN	250			10.00		77	65	69	66	14	22	29.23	29.94	09	CLR	NC			10.00	64	44	54	48	15	20	29.18	29.90	
12	BKN	250			10.00		82	64	70	55	18	19	29.15	29.86	12	BKN	250			10.00	73	50	60	44	17	20	29.08	29.79	
15	SCT	NC			10.00		87	60	70	40	18	21	29.05	29.75	15	OVC	040			9.00	-RA	67	56	60	68	15	21	29.03	29.75
18	BKN	150			10.00		85	57	67	39	18	20	29.02	29.72	18	OVC	014			10.00	52	50	51	93	29	31			

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

APRIL 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 OFFT	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 OFFT	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: 0456	APR 25			SUNSET: 1843																				
03	FEW	NC			10.00		38	28	34	68	9	27	29.39	30.13															
06	CLR	NC			10.00		39	28	35	65	10	24	29.38	30.12															
09	CLR	NC			10.00		48	28	40	46	23	26	29.35	30.09															
12	FEW	NC			10.00		52	26	41	37	28	27	29.37	30.11															
15	FEW	NC			10.00		54	26	42	34	22	28	29.39	30.13															
18	FEW	NC			10.00		51	23	40	33	20	28	29.40	30.14															
21	SCT	NC			10.00		46	26	38	46	5	27	29.45	30.19															
24	FEW	NC			10.00		42	28	36	58	8	29	29.48	30.22															
						SUNRISE: 0455	APR 26			SUNSET: 1844																			
03	FEW	NC			10.00		39	26	34	60	8	31	29.51	30.25															
06	SCT	NC			10.00		37	25	33	62	8	35	29.55	30.29															
09	FEW	NC			10.00		43	21	35	42	0	00	29.59	30.33															
12	CLR	NC			10.00		48	23	38	37	0	00	29.60	30.34															
15	CLR	NC			10.00		50	31	42	48	9	08	29.55	30.29															
18	FEW	NC			10.00		46	28	39	50	10	09	29.55	30.29															
21	FEW	NC			10.00		43	28	37	56	6	09	29.56	30.30															
24	BKN	200			10.00		42	24	35	49	6	09	29.55	30.29															
						SUNRISE: 0453	APR 27			SUNSET: 1845																			
03	OVC	100			10.00		43	24	36	47	9	10	29.51	30.25															
06	OVC	090			10.00		43	23	35	45	9	09	29.48	30.22															
09	OVC	085			10.00		46	30	39	54	15	10	29.41	30.15															
12	OVC	048			8.00	-RA	46	40	43	79	10	09	29.31	30.03															
15	OVC	011			3.00	RA BR	45	45	45	100	21	11	29.17	29.89															
18	OVC	008			5.00	BR	47	45	46	93	20	13	28.98	29.71															
21	OVC	007			2.50	-DZ BR	48	48	48	100	14	15	28.89	29.62															
24	OVC	005			5.00	BR	53	53	53	100	12	17	28.72	29.43															
						SUNRISE: 0452	APR 28			SUNSET: 1846																			
03	BKN	032			10.00		59	54	56	83	20	24	28.65	29.36															
06	OVC	014			4.00	BR	50	49	49	96	18	24	28.70	29.41															
09	OVC	008			10.00		44	42	43	93	21	28	28.83	29.55															
12	OVC	014			10.00		42	38	40	85	17	31	29.02	29.74															
15	OVC	018			10.00		42	37	40	82	17	31	29.14	29.86															
18	OVC	025			10.00		43	35	40	74	20	32	29.22	29.95															
21	OVC	032			10.00		43	36	40	76	8	33	29.28	30.01															
24	OVC	036			10.00		41	37	39	86	3	09	29.29	30.02															
						SUNRISE: 0451	APR 29			SUNSET: 1847																			
03	OVC	040			10.00		42	37	40	82	5	24	29.28	30.01															
06	OVC	038			10.00		43	38	41	82	7	26	29.27	30.00															
09	OVC	040			10.00		47	37	42	69	8	28	29.26	29.99															
12	OVC	031			10.00		50	40	45	68	13	25	29.24	29.97															
15	SCT	NC			10.00		59	39	49	48	14	27	29.19	29.92															
18	FEW	NC			10.00		60	35	48	39	14	26	29.15	29.88															
21	CLR	NC			10.00		54	36	46	51	6	22	29.16	29.88															
24	CLR	NC			10.00		53	36	45	52	10	23	29.13	29.85															
						SUNRISE: 0449	APR 30			SUNSET: 1848																			
03	OVC	100			10.00		52	41	47	66	8	31	29.15	29.87															
06	SCT	NC			10.00		51	35	44	54	12	33	29.19	29.91															
09	OVC	150			10.00		54	31	44	42	12	31	29.21	29.93															
12	OVC	100			10.00		56	23	42	28	5	32	29.20	29.92															
15	OVC	200			10.00		58	24	44	27	3	22	29.14	29.86															
18	OVC	200			10.00		55	36	46	49	10	14	29.12	29.85															
21	OVC	110			10.00		51	43	47	74	0	00	29.16	29.88															
24	OVC	075			10.00		49	42	46	77	6	17	29.12	29.84															

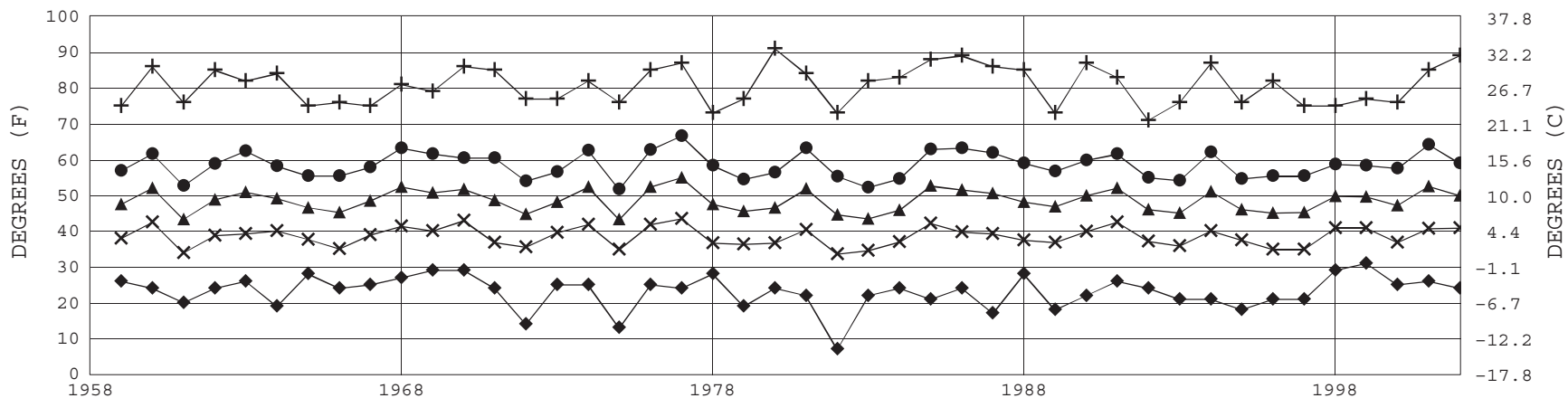
3-HOURLY OBSERVATION NOTES

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 WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)		
							STATION	SEA LEVEL			SPEED	DIRECTION
01			46	39	43	78	29.31	30.04	8.37	8	2	22
02			46	39	43	79	29.30	30.03	8.57	8	2	24
03			46	39	43	79	29.31	30.04	8.77	8	3	26
04			45	39	42	80	29.31	30.04	8.73	8	2	24
05			45	38	42	80	29.32	30.05	8.43	8	2	24
06			45	38	42	80	29.33	30.07	7.96	9	2	25
07			47	39	43	76	29.34	30.07	8.08	11	2	26
08			49	39	44	72	29.34	30.07	8.35	11	3	26
09			50	39	45	68	29.34	30.08	8.94	11	3	24
10			52	39	46	65	29.35	30.08	9.01	12	4	23
11			53	39	47	62	29.34	30.07	9.30	12	2	24
12			54	40	47	62	29.33	30.06	9.27	13	4	23
13			55	40	47	60	29.32	30.05	9.37	13	2	20
14			56	40	48	60	29.30	30.04	8.87	13	3	22
15			55	40	47	60	29.29	30.02	8.67	13	3	21
16			55	40	47	62	29.29	30.02	8.30	12	2	18
17			54	39	47	62	29.29	30.02	8.13	12	2	13
18			53	38	46	63	29.29	30.02	8.55	13	1	21
19			51	39	45	67	29.29	30.02	8.72	11	1	13
20			50	39	45	70	29.31	30.04	8.65	10	2	14
21			49	40	44	73	29.31	30.04	8.68	9	2	18
22			48	40	44	74	29.31	30.04	8.75	9	2	19
23			48	39	44	75	29.32	30.04	8.67	9	2	21
24			47	39	44	76	29.31	30.04	8.67	9	2	20

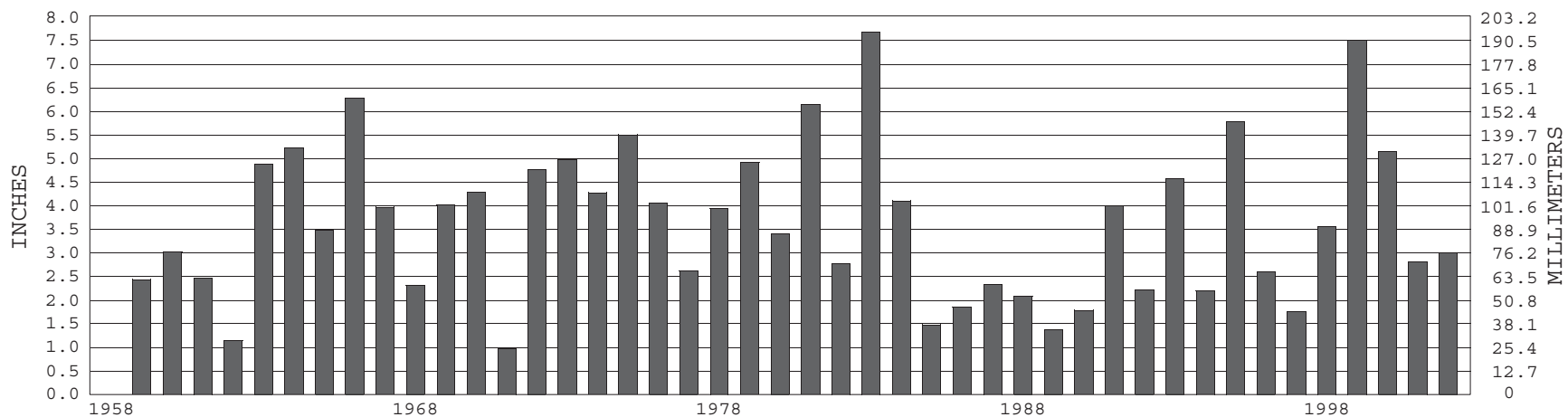
CHICAGO, IL APRIL TEMPERATURES



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

Long-Term (1958-2002) Mean: 47.4 1961-1990 Normal: 47.8

CHICAGO, IL APRIL PRECIPITATION



Long-Term (1958-2002) Mean Monthly Total: 3.55

1961-1990 Normal: 3.68



APRIL 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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