



FEBRUARY 2003

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				
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	34	32	33	10	29	32	32	0	RA BR HZ	1		0.0	T	29.19	29.93	3.8	23	7.1	15	17	12	18	01		
02	39	34	37	14	34	35	28	0	RA BR	0		0.0	0.03	29.08	29.81	8.6	10	9.5	24	10	22	10	02		
03	45	32	39	15	37	37	26	0	RA DZ SN PL FG+ BR HZ	0		T	0.11	28.69	29.41	1.1	26	10.0	29	30	24	31	03		
04	32	10	21	-3	12	19	44	0	SN BR	0		T	T	29.11	29.85	18.2	30	18.8	37	30	28	30	04		
05	27	8	18	-6	4	14	47	0		0		0.0	0.00	29.48	30.24	7.1	25	8.7	18	21	15	22	05		
06	32	15	24	0	14	22	41	0		0		0.0	0.00	29.44	30.20	6.7	30	9.7	23	03	16	33	06		
07	18	8	13	-12	2	10	52	0	SN	0		T	T	29.45	30.22	10.5	28	11.7	24	25	18	26	07		
08	30	10	20	-5	10	17	45	0	SN	0		T	T	29.24	30.00	13.1	25	14.7	26	26	22	28	08		
09	26	4	15	-10	0	13	50	0		0		0.0	0.00	29.30	30.06	7.5	26	9.0	22	31	17	30	09		
10	28	8	18	-8	10	17	47	0	SN BR	0		T	T	29.14	29.89	8.9	30	11.7	25	31	21	33	10		
11	32	5	19	-7	5	14	46	0	SN FZFG BR	0		T	T	29.08	29.84	13.1	26	15.5	46*	25	38*	29	11		
12	21	4	13	-13	0	11	52	0		0		0.0	0.00	29.38	30.14	14.2	28	14.6	30	27	22	26	12		
13	32	11	22	-4	7	18	43	0		0		0.0	0.00	29.42	30.18	7.2	28	7.6	21	29	17	29	13		
14	35	14	25	-2	20	25	40	0	SN BR	0		T	T	29.34	30.10	9.0	06	9.5	26	06	22	06	14		
15	29	19	24	-3	15	21	41	0	SN	0		T	T	29.58	30.34	21.5	06	21.6	36	06	28	05	15		
16	28	18	23	-4	13	20	42	0		0		0.0	0.00	29.60	30.36	17.6	05	17.9	32	05	26	05	16		
17	32	22	27	-1	22	25	38	0	SN	0		T	T	29.35	30.11	7.5	07	9.5	23	06	18	07	17		
18	37	25	31	3	27	29	34	0	BR HZ	0		0.0	0.00	29.28	30.02	10.7	22	10.8	24	22	18	21	18		
19	41	24	33	5	20	28	32	0	BR	0		0.0	0.00	29.46	30.20	7.5	28	8.6	20	28	15	28	19		
20	50	27	39*	10	24	33	26	0		0		0.0	0.00	29.46	30.20	9.9	22	10.2	25	24	21	24	20		
21	50*	23	37	8	25	33	28	0	BR	0		0.0	0.00	29.16	29.89	5.0	21	5.4	17	18	13	18	21		
22	35	20	28	-1	24	27	37	0	SN BR HZ	0		T	T	28.93	29.67	18.9	01	19.2	41	03	33	02	22		
23	28	12	20	-10	7	17	45	0		0		0.0	0.00	29.25	30.00	8.1	01	10.4	26	33	22	35	23		
24	23	6	15	-15	9	14	50	0	SN FZFG BR	0		1.5	0.05	29.52	30.29	11.2	31	12.0	25	29	21	30	24		
25	17	-2*	8*	-22	-3	7	57	0		1		0.0	0.00	29.72	30.49	2.3	30	4.6	15	32	13	31	25		
26	30	5	18	-13	9	16	47	0		0		0.0	0.00	29.46	30.22	3.0	14	5.0	25	09	13	10	26		
27	32	10	21	-10	13	20	44	0	BR	0		0.0	0.00	29.36	30.11	3.5	08	4.6	23	07	13	11	27		
28	40	13	27	-4	15	24	38	0	BR HZ	0		0.0	0.00	29.37	30.12	2.4	13	3.6	26	06	12	09	28		
< MONTHLY AVERAGES										TOTALS->						<- MONTHLY AVERAGES									
-2.4										-4.3				-3.4		<-----DEPARTURE FROM NORMAL----->									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.11 DATE :03				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 1.5 DATE :24				MAXIMUM : 30.60 25 0756											
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: 1 DATE :25+				MINIMUM : 29.27 03 1856											
HEATING: 1152 77 4912 66										NUMBER OF DAYS WITH =>				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 27				PRECIPITATION ≥ 0.01 INCH : 3			
COOLING: 0 0 0 0														MAXIMUM TEMP ≤ 32 :18				MINIMUM TEMP ≤ 0 : 1				PRECIPITATION ≥ 0.10 INCH : 1			
														THUNDERSTORMS : 0				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH : 1			

FEBRUARY 2003
CHICAGO, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

CHICAGO, IL

FEBRUARY 2003

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			T	
02	0.02	0.01											02												02			T	
03													03												03	0.04		0.03	
04		T	T	T		T	T		T	T	T		04	T	T	0.01	0.02	0.01	T	T	T	T	T		04			0.11	
05													05			T									05			T	0.00
06													06												06			T	0.00
07													07			T									07			T	
08													08	T	T		T								08			T	
09													09			T									09			T	0.00
10													10	T	T										10			T	
11													11												11			T	
12													12												12			T	0.00
13													13												13			T	0.00
14													14												14			T	0.00
15													15												15			T	0.00
16													16												16			T	0.00
17													17												17			T	0.00
18													18												18			T	0.00
19													19												19			T	0.00
20													20												20			T	0.00
21													21												21			T	0.00
22													22												22			T	0.00
23													23												23			T	0.00
24	T	0.01	0.01	T	0.01	T	T						24	T	T	T	T	T	T	T	T	T			24	0.03		0.05	
25													25												25			T	0.00
26													26												26			T	0.00
27													27												27			T	0.00
28													28												28			T	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.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = 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

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971–2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unknown Precipitation		
Intensity (as indicated on pages 4 to 6): '+' = Heavy ' ' = Moderate '- ' = Light			

CHICAGO, IL FEBRUARY 2003

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

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.

ADDITIONAL NOTES:

Note: 2002 LCD Annual, the element "Normal Dry Bulb" was not updated using the 1971–2000 Normals. Correction will be made in the 2003 LCD Annual.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							3.00	7.00	
02							1.75	4.00	
03							.13	10.00	
04							5.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							4.00	10.00	
09							10.00	10.00	
10							1.00	10.00	
11							.50	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							1.50	10.00	
15							7.00	10.00	
16							10.00	10.00	
17							7.00	10.00	
18							2.00	9.00	
19							5.00	10.00	
20							10.00	10.00	
21							5.00	10.00	
22							3.00	10.00	
23							10.00	10.00	
24							.50	10.00	
25							9.00	10.00	
26							8.00	10.00	
27							6.00	10.00	
28							3.00	10.00	
MONTHLY AVGS							5.96	9.64	
SUNSHINE (MINUTES)									
Total:					Possible:				
Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
28									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
1 10 13									

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

FEBRUARY 2003

ORD WBAN # 94846

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	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	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0705					FEB 01					SUNSET: 1706					SUNRISE: 0658					FEB 07					SUNSET: 1714				
03	OVC	017		5.00	BR	32	28	31	85	8	31	29.22	29.96	03	CLR	NC		10.00		12	5	10	73	7	29	29.49	30.25		
06	OVC	025		6.00	BR	32	28	31	85	7	29	29.24	29.98	06	CLR	NC		10.00		9	5	8	84	13	29	29.49	30.26		
09	OVC	017		6.00	HZ	32	26	30	79	3	29	29.22	29.96	09	FEW	NC		10.00		9	1	7	70	9	30	29.50	30.27		
12	OVC	015		5.00	HZ	33	27	31	78	6	22	29.22	29.96	12	SCT	NC		10.00		16	5	13	62	12	30	29.46	30.23		
15	OVC	011		4.00	BR	33	30	32	89	8	20	29.15	29.89	15	SCT	NC		10.00		16	2	13	54	14	27	29.42	30.19		
18	OVC	011		7.00		33	31	32	92	6	17	29.15	29.88	18	CLR	NC		10.00		13	-1	10	54	15	25	29.41	30.19		
21	OVC	004		3.00	BR	33	33	33	100	7	18	29.15	29.89	21	CLR	NC		10.00		10	-1	8	61	10	24	29.40	30.17		
24	OVC	006		3.00	BR	34	33	34	97	8	19	29.11	29.85	24	CLR	NC		10.00		10	-3	8	55	9	21	29.36	30.13		
SUNRISE: 0703					FEB 02					SUNSET: 1707					SUNRISE: 0657					FEB 08					SUNSET: 1715				
03	OVC	006		3.00	BR	34	33	34	97	6	09	29.09	29.83	03	CLR	NC		10.00		11	1	9	64	15	21	29.30	30.06		
06	OVC	006		3.00	BR	35	34	35	96	3	VR	29.10	29.84	06	CLR	NC		10.00		14	6	12	71	15	22	29.22	29.98		
09	OVC	004		2.00	BR	35	34	35	96	6	VR	29.13	29.87	09	FEW	NC		10.00		18	11	16	74	17	23	29.21	29.97		
12	OVC	014		3.00	BR	38	35	37	89	7	11	29.11	29.85	12	OVC	024		10.00		24	15	21	68	13	25	29.19	29.95		
15	OVC	120		2.50	BR	37	34	36	89	10	09	29.08	29.82	15	OVC	023		10.00		26	20	24	78	12	25	29.18	29.93		
18	CLR	NC		4.00	BR	36	34	35	93	15	07	29.07	29.80	18	BKN	060		10.00	-SN	30	15	25	54	12	27	29.21	29.96		
21	OVC	011		4.00	BR	36	33	35	89	17	10	29.01	29.75	21	CLR	NC		10.00		22	7	18	52	17	28	29.29	30.03		
24	OVC	008		4.00	BR	35	33	34	93	12	09	28.96	29.69	24	CLR	NC		10.00		15	0	12	51	15	30	29.34	30.09		
SUNRISE: 0702					FEB 03					SUNSET: 1709					SUNRISE: 0656					FEB 09					SUNSET: 1716				
03	OVC	010		3.00	BR	35	34	35	96	9	11	28.85	29.58	03	FEW	NC		10.00		10	-1	8	61	12	30	29.39	30.15		
06	OVC	003		1.00	BR	37	37	37	100	9	14	28.78	29.50	06	CLR	NC		10.00		5	-5	3	63	5	27	29.40	30.17		
09	OVC	003		0.50	FG	39	39	39	100	8	14	28.73	29.45	09	FEW	NC		10.00		8	-2	6	63	7	25	29.41	30.17		
12	OVC	001		0.50	FG	43	43	43	100	5	20	28.66	29.38	12	SCT	NC		10.00		17	-5	13	37	10	25	29.35	30.11		
15	OVC	003		0.50	-RA FG	44	44	44	100	3	29	28.59	29.31	15	BKN	250		10.00		22	-3	16	33	8	23	29.27	30.02		
18	OVC	004		3.00	BR	37	37	37	100	12	30	28.55	29.27	18	OVC	070		10.00		22	5	18	48	10	24	29.24	30.00		
21	OVC	012		10.00		34	32	33	92	15	30	28.60	29.32	21	OVC	090		10.00		23	4	18	44	6	21	29.16	29.91		
24	OVC	020		7.00		32	27	30	82	15	30	28.68	29.41	24	OVC	070		10.00		26	11	22	53	12	22	29.09	29.84		
SUNRISE: 0701					FEB 04					SUNSET: 1710					SUNRISE: 0654					FEB 10					SUNSET: 1718				
03	OVC	026		6.00	-SN	31	26	29	82	24	29	28.80	29.52	03	FEW	NC		10.00		23	20	22	88	12	23	29.02	29.76		
06	OVC	022		8.00	-SN	27	21	25	78	18	30	28.91	29.65	06	OVC	020		10.00		26	22	25	84	7	24	28.96	29.71		
09	OVC	020		7.00	-SN	22	15	20	75	16	29	29.02	29.76	09	OVC	025		10.00		26	17	23	69	16	31	29.02	29.76		
12	OVC	025		9.00	-SN	21	14	19	74	20	31	29.09	29.84	12	BKN	027		10.00		24	17	22	75	16	34	29.11	29.85		
15	BKN	030		10.00		20	10	17	65	21	30	29.18	29.93	15	BKN	041		10.00	-SN	19	2	15	47	17	31	29.19	29.94		
18	SCT	NC		10.00		16	5	13	62	15	31	29.29	30.04	18	SCT	NC		10.00		14	-3	11	47	12	34	29.27	30.02		
21	FEW	NC		10.00		13	2	11	61	20	33	29.38	30.15	21	SCT	NC		10.00		10	-2	8	58	7	35	29.30	30.06		
24	SCT	NC		10.00		10	-1	8	61	12	33	29.43	30.20	24	SCT	NC		10.00		9	0	7	67	5	26	29.27	30.02		
SUNRISE: 0700					FEB 05					SUNSET: 1711					SUNRISE: 0653					FEB 11					SUNSET: 1719				
03	CLR	NC		10.00		8	0	6	69	9	28	29.47	30.24	03	OVC	080		10.00		8	-4	6	57	8	26	29.21	29.97		
06	SCT	NC		10.00		8	0	6	69	6	27	29.49	30.27	06	BKN	090		10.00		7	-6	5	55	9	25	29.17	29.93		
09	SCT	NC		10.00		11	1	9	64	7	26	29.52	30.29	09	FEW	NC		10.00		9	-6	6	50	13	25	29.12	29.88		
12	FEW	NC		10.00		19	2	15	47	8	28	29.51	30.28	12	BKN	030		10.00		18	9	16	68	20	24	29.04	29.79		
15	OVC	060		10.00		22	3	17	44	8	25	29.47	30.24	15	OVC	200		10.00		31	14	26	49	14	22	28.92	29.67		
18	OVC	060		10.00		22	8	18	55	8	21	29.45	30.22	18	VV	013		1.00	-SN BR	30	26	29	85	29	24	28.84	29.59		
21	OVC	048		10.00		25	11	21	55	7	20	29.43	30.20	21	BKN	039		10.00	-SN	19	4	15	52	23	30	29.11	29.87		
24	OVC	036		10.00		27	12	23	53	9	21	29.43	30.18	24	FEW	NC		10.00		13	3	11	64	16	29	29.24	29.99		
SUNRISE: 0659					FEB 06					SUNSET: 1713					SUNRISE: 0652					FEB 12					SUNSET: 1720				
03	OVC	047		10.00		28	15	24	58	9	23	29.40	30.16	03	CLR	NC		10.00		9	-1	7	64	12	29	29.32	30.07		
06	FEW	NC		10.00		26	18	23	71	8	24	29.40	30.16	06	CLR	NC		10.00		6	-4	4	63	13	29	29.37	30.13		
09	BKN	032		10.00		27	19	24	72	8	29	29.43	30.19	09	CLR	NC		10.00		7	-7	5	52	14	28	29.40	30.17		
12	BKN	250		10.00		31	19	27	61	8	32	29.45	30.20	12	CLR	NC		10.00		13	-3	10	49	16	28	29.40	30.17		
15	BKN	250		10.00		32	11	26	41	9	36	29.42	30.17	15	CLR	NC		10.00		20	2	16	45	20	26	29.35	30.12		
18	SCT	NC		10.00		24	13	21	62	13	32	29.47	30.23	18	CLR	NC		10.00		20	5	16	52	10	27	29.37	30.14		
21	SCT	NC		10.00		19	9	16	65	8	35	29.49	30.25	21	CLR	NC		10.00		19	1	15	45	13	28	29.40	30.16		
24	SCT	NC		10.00		15	4	13	61	10	34	29.50	30.26	24	CLR	NC		10.00		18	2	14	49	10	30	29.42	30.19		

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

FEBRUARY 2003

ORD

WBAN # 94846

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	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	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
		SUNRISE: 0650		FEB 13				SUNSET: 1722						SUNRISE: 0642		FEB 19				SUNSET: 1729									
03	SCT	NC	10.00		15	2	12	56	10	29	29.42	30.18	03	CLR	NC	10.00		31	24	28	76	10	28	29.34	30.08				
06	BKN	120	10.00		14	0	11	53	8	29	29.40	30.17	06	BKN	200	10.00		25	17	23	72	9	31	29.41	30.16				
09	OVC	046	10.00		16	5	13	62	9	27	29.45	30.21	09	BKN	250	10.00		26	13	22	57	9	32	29.47	30.22				
12	OVC	042	10.00		25	6	20	44	9	26	29.43	30.19	12	SCT	NC	10.00		36	15	29	42	10	29	29.48	30.23				
15	FEW	NC	10.00		32	10	25	40	14	28	29.41	30.17	15	FEW	NC	10.00		40	18	32	41	10	26	29.47	30.22				
18	FEW	NC	10.00		28	12	23	51	5	28	29.42	30.19	18	CLR	NC	10.00		36	21	31	55	8	23	29.49	30.24				
21	CLR	NC	10.00		23	14	20	68	0	00	29.42	30.18	21	CLR	NC	10.00		32	23	29	69	7	24	29.52	30.28				
24	FEW	NC	10.00		20	14	18	78	0	00	29.39	30.15	24	CLR	NC	10.00		30	22	27	72	6	24	29.54	30.29				
		SUNRISE: 0649		FEB 14				SUNSET: 1723						SUNRISE: 0641		FEB 20				SUNSET: 1730									
03	CLR	NC	10.00		19	13	17	77	0	00	29.37	30.13	03	CLR	NC	10.00		29	22	27	75	6	25	29.52	30.27				
06	BKN	200	8.00		18	15	17	88	3	04	29.35	30.11	06	FEW	NC	10.00		28	23	26	81	8	23	29.53	30.28				
09	OVC	180	8.00		28	22	26	78	6	07	29.36	30.12	09	CLR	NC	10.00		37	22	32	54	9	24	29.53	30.27				
12	OVC	200	10.00		33	19	28	56	9	11	29.33	30.07	12	CLR	NC	10.00		47	23	38	39	15	22	29.49	30.23				
15	OVC	180	10.00		33	21	29	61	13	07	29.28	30.02	15	CLR	NC	10.00		50	24	40	36	15	23	29.40	30.15				
18	OVC	028	7.00	-SN	31	23	28	72	15	05	29.33	30.07	18	CLR	NC	10.00		42	25	35	51	15	21	29.38	30.13				
21	OVC	025	4.00	-SN	29	24	27	82	22	05	29.35	30.10	21	CLR	NC	10.00		38	27	34	65	10	20	29.37	30.12				
24	OVC	028	10.00		29	21	26	72	20	06	29.37	30.12	24	CLR	NC	10.00		34	28	32	79	7	21	29.34	30.07				
		SUNRISE: 0648		FEB 15				SUNSET: 1724						SUNRISE: 0639		FEB 21				SUNSET: 1732									
03	BKN	110	10.00		27	17	24	66	25	06	29.39	30.14	03	CLR	NC	10.00		33	26	30	75	7	22	29.31	30.04				
06	OVC	024	7.00	-SN	24	18	22	77	23	05	29.49	30.24	06	SCT	NC	8.00		26	23	25	88	0	00	29.26	30.00				
09	OVC	022	10.00		24	17	22	75	22	05	29.56	30.32	09	BKN	250	10.00		35	28	32	76	6	21	29.23	29.96				
12	OVC	019	10.00		24	16	22	71	23	06	29.62	30.37	12	BKN	250	10.00		45	22	36	40	7	23	29.18	29.91				
15	BKN	022	10.00		23	14	20	68	24	04	29.62	30.38	15	FEW	NC	10.00		49	19	37	31	9	18	29.05	29.78				
18	OVC	024	10.00		22	14	20	71	22	06	29.67	30.43	18	FEW	NC	10.00		42	22	34	45	6	19	29.07	29.80				
21	OVC	024	10.00		21	12	19	68	18	06	29.70	30.46	21	SCT	NC	9.00		31	27	29	85	0	00	29.06	29.79				
24	OVC	120	10.00		19	11	17	71	20	06	29.68	30.44	24	OVC	200	5.00	BR	34	31	33	89	0	00	29.04	29.77				
		SUNRISE: 0646		FEB 16				SUNSET: 1725						SUNRISE: 0638		FEB 22				SUNSET: 1733									
03	BKN	120	10.00		19	11	17	71	20	06	29.68	30.44	03	OVC	200	3.00	BR	33	32	33	96	8	01	28.95	29.68				
06	BKN	120	10.00		18	10	16	71	18	05	29.66	30.42	06	OVC	009	9.00		33	30	32	89	23	02	28.94	29.67				
09	SCT	NC	10.00		23	12	20	63	16	05	29.66	30.42	09	OVC	007	10.00		31	29	30	92	18	03	28.94	29.68				
12	SCT	NC	10.00		26	12	22	55	20	04	29.62	30.38	12	OVC	011	10.00		32	26	30	79	28	02	28.88	29.61				
15	BKN	200	10.00		27	12	23	53	20	04	29.57	30.32	15	OVC	013	6.00	-SN	29	24	27	82	24	01	28.85	29.59				
18	BKN	250	10.00		25	14	22	63	15	04	29.55	30.31	18	OVC	013	10.00	-SN	26	22	25	84	28	01	28.89	29.63				
21	BKN	250	10.00		26	19	24	75	14	07	29.50	30.25	21	OVC	019	9.00	-SN	23	14	20	68	18	35	28.96	29.70				
24	OVC	013	10.00		23	18	21	81	17	05	29.47	30.23	24	OVC	025	10.00		20	10	17	65	17	35	29.00	29.74				
		SUNRISE: 0645		FEB 17				SUNSET: 1727						SUNRISE: 0636		FEB 23				SUNSET: 1734									
03	OVC	011	10.00		22	19	21	89	14	07	29.42	30.18	03	BKN	038	10.00		16	4	13	59	14	36	29.07	29.81				
06	OVC	009	10.00		23	19	22	85	10	05	29.38	30.14	06	BKN	038	10.00		13	3	11	64	15	34	29.17	29.92				
09	OVC	007	10.00		24	21	23	88	12	07	29.40	30.15	09	FEW	NC	10.00		15	6	13	67	12	35	29.25	30.00				
12	OVC	010	10.00		27	22	25	81	9	02	29.35	30.11	12	FEW	NC	10.00		22	5	18	48	6	VR	29.31	30.06				
15	OVC	018	10.00		31	22	28	69	10	05	29.31	30.05	15	FEW	NC	10.00		26	1	20	34	0	00	29.30	30.05				
18	OVC	011	10.00	-SN	27	23	26	85	7	09	29.32	30.07	18	OVC	200	10.00		22	11	19	63	12	07	29.34	30.10				
21	OVC	011	9.00		27	24	26	89	5	17	29.31	30.06	21	OVC	200	10.00		23	12	20	63	7	05	29.36	30.13				
24	OVC	013	7.00		28	25	27	88	5	18	29.27	30.02	24	OVC	060	10.00		23	11	20	60	6	02	29.35	30.10				
		SUNRISE: 0644		FEB 18				SUNSET: 1728						SUNRISE: 0635		FEB 24				SUNSET: 1735									
03	OVC	007	9.00		26	23	25	88	7	23	29.26	30.01	03	OVC	013	1.25	-SN BR	19	17	18	92	9	33	29.34	30.10				
06	OVC	005	5.00	BR	25	23	24	92	8	22	29.27	30.01	06	OVC	027	2.50	-SN BR	17	15	17	92	8	34	29.39	30.15				
09	OVC	007	5.00	BR	27	24	26	89	9	22	29.29	30.03	09	BKN	036	10.00		17	11	15	77	10	30	29.45	30.21				
12	OVC	007	4.00	BR	30	27	29	88	12	23	29.31	30.05	12	OVC	014	1.00	-SN	18	13	17	81	16	30	29.51	30.27				
15	BKN	250	8.00		37	30	34	76	14	21	29.28	30.02	15	OVC	041	6.00	-SN	16	8	14	71	16	29	29.57	30.33				
18	BKN	100	7.00		34	31	33	89	10	21	29.27	30.01	18	FEW	NC	10.00		13	2	11	61	14	29	29.64	30.40				
21	FEW	NC	6.00	BR	34	31	33	89	13	21	29.29	30.03	21	CLR	NC	10.00		10	-1	8	61	10	29	29.69	30.46				
24	SCT	NC	6.00	BR	34	31	33	89	10	24	29.31	30.05	24	CLR	NC	10.00		6	-3	4	66	9	30	29.75	30.52				

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL
FEBRUARY 2003

ORD WBAN # 94846

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT		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: 0633 FEB 25 SUNSET: 1737								SUNRISE: FEB 31 SUNSET:							
03	CLR	NC				10.00		2	-5	1	72	8	32	29.77	30.55
06	FEW	NC				10.00		0	-8	-1	69	5	34	29.79	30.57
09	CLR	NC				10.00		5	-11	3	47	6	01	29.81	30.59
12	SCT	NC				10.00		11	-6	8	46	3	08	29.77	30.55
15	OVC	250				10.00		16	-5	12	39	7	20	29.68	30.46
18	OVC	200				10.00		16	1	13	51	9	26	29.65	30.42
21	OVC	090				10.00		15	2	12	56	0	00	29.61	30.38
24	OVC	070				10.00		14	4	12	64	0	00	29.57	30.34
SUNRISE: 0632 FEB 26 SUNSET: 1738								SUNRISE: FEB 31 SUNSET:							
03	BKN	085				10.00		8	5	7	87	0	00	29.54	30.31
06	FEW	NC				10.00		7	5	7	91	0	00	29.52	30.29
09	FEW	NC				8.00		18	9	16	68	5	VR	29.52	30.29
12	FEW	NC				10.00		25	11	21	55	8	14	29.46	30.22
15	CLR	NC				10.00		29	10	23	45	6	VR	29.41	30.17
18	CLR	NC				10.00		25	14	22	63	10	10	29.39	30.15
21	CLR	NC				10.00		19	11	17	71	8	14	29.38	30.14
24	CLR	NC				10.00		18	10	16	71	3	19	29.36	30.12
SUNRISE: 0630 FEB 27 SUNSET: 1739								SUNRISE: FEB 31 SUNSET:							
03	CLR	NC				10.00		13	8	12	81	0	00	29.36	30.12
06	FEW	NC				10.00		11	7	10	84	0	00	29.38	30.14
09	CLR	NC				10.00		23	10	19	57	6	VR	29.38	30.14
12	FEW	NC				10.00		30	11	24	45	10	09	29.36	30.11
15	FEW	NC				10.00		31	11	25	43	10	10	29.33	30.08
18	SCT	NC				10.00		27	17	24	66	7	05	29.34	30.10
21	SCT	NC				10.00		25	20	23	81	3	08	29.34	30.09
24	CLR	NC				6.00	BR	20	18	19	92	0	00	29.34	30.09
SUNRISE: 0629 FEB 28 SUNSET: 1740								SUNRISE: FEB 31 SUNSET:							
03	CLR	NC				5.00	BR	18	15	17	88	0	00	29.34	30.10
06	CLR	NC				4.00	BR	14	12	13	92	0	00	29.36	30.12
09	CLR	NC				6.00	HZ	30	19	26	64	5	VR	29.40	30.15
12	BKN	250				10.00		37	11	29	34	5	VR	29.39	30.14
15	OVC	200				10.00		38	17	31	43	10	09	29.35	30.10
18	OVC	100				10.00		34	17	28	50	6	11	29.36	30.11
21	BKN	250				10.00		29	17	25	61	6	16	29.36	30.11
24	FEW	NC				10.00		27	18	24	69	3	19	29.35	30.11
SUNRISE: FEB 29 SUNSET:								SUNRISE: FEB 30 SUNSET:							

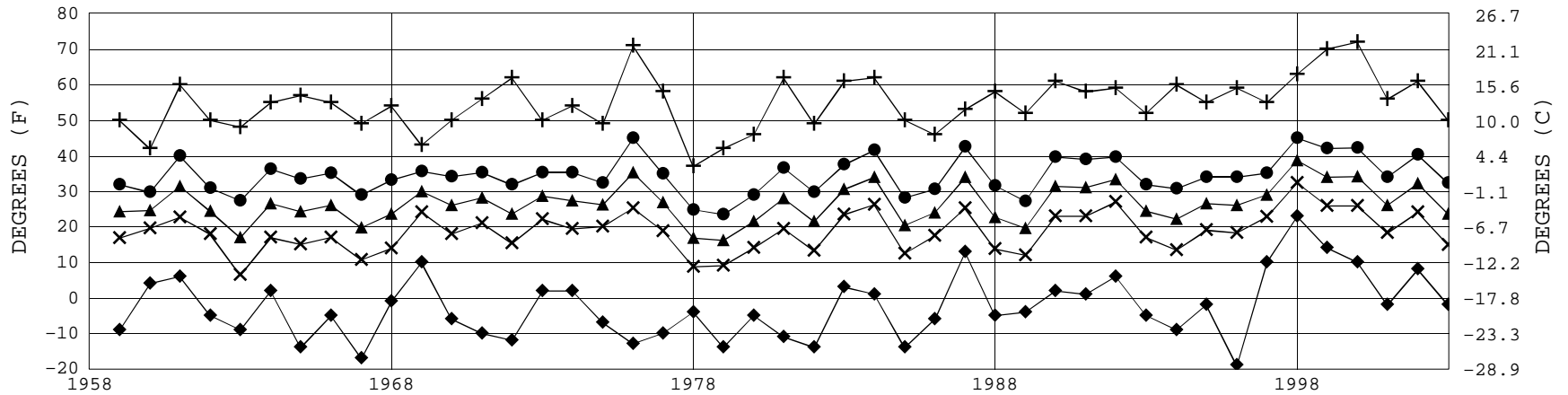
3-HOURLY OBSERVATION NOTES

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 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)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			22	14	20	73	29.31	30.06	8.43	9	3	29
02			21	14	20	75	29.31	30.07	8.15	10	3	29
03			20	14	19	76	29.31	30.06	8.40	10	3	31
04			20	14	18	77	29.31	30.06	8.23	10	4	31
05			19	14	18	78	29.31	30.06	8.56	10	4	31
06			19	13	17	79	29.32	30.07	8.27	9	4	32
07			19	13	17	79	29.32	30.08	8.50	9	3	31
08			20	14	19	77	29.34	30.09	8.32	10	3	31
09			22	14	20	71	29.34	30.09	8.66	9	4	31
10			24	14	22	65	29.33	30.09	8.83	11	3	30
11			26	14	22	63	29.34	30.09	8.46	11	3	29
12			27	15	24	61	29.32	30.08	8.52	11	3	30
13			28	15	24	59	29.31	30.06	8.58	12	3	29
14			29	15	25	57	29.29	30.04	8.94	12	4	30
15			30	14	25	56	29.29	30.04	8.61	12	3	29
16			29	15	25	58	29.29	30.04	9.01	13	3	32
17			28	15	24	61	29.29	30.04	9.04	12	2	32
18			27	16	24	65	29.30	30.05	8.89	12	2	30
19			26	15	23	66	29.31	30.06	9.04	12	3	33
20			25	15	22	68	29.31	30.07	8.82	11	2	31
21			24	15	21	69	29.32	30.07	9.07	10	2	32
22			23	15	21	70	29.32	30.07	8.91	10	3	31
23			23	14	20	72	29.32	30.07	8.41	10	3	30
24			22	14	20	71	29.32	30.07	8.86	9	2	31

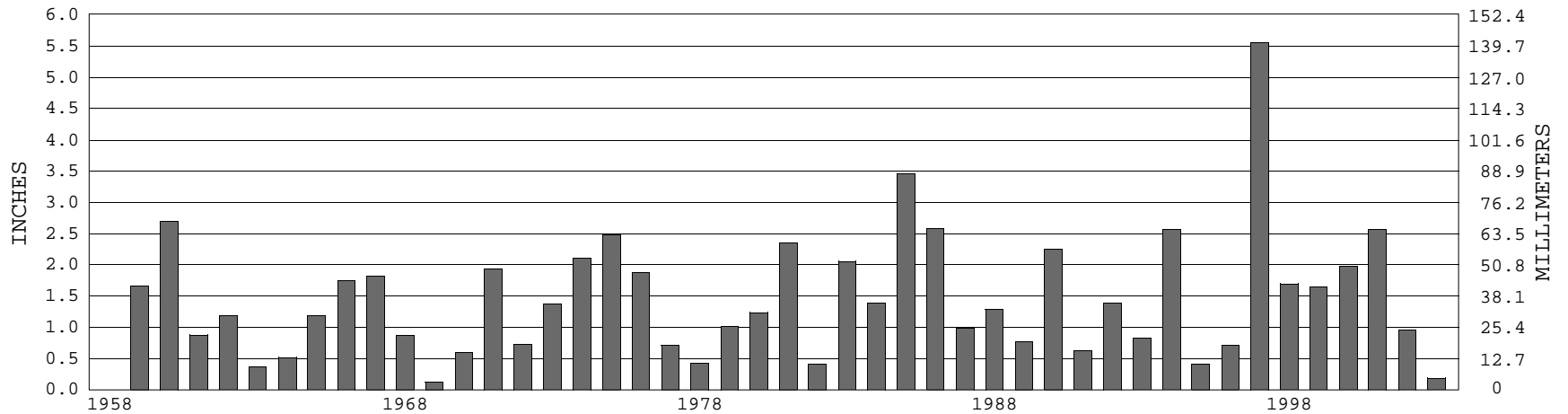
CHICAGO, IL FEBRUARY TEMPERATURES



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

Long-Term (1958-2003) Mean: 26.0 1961-1990 Normal: 27.0

CHICAGO, IL FEBRUARY PRECIPITATION



Long-Term (1958-2003) Mean Monthly Total: 1.44

1961-1990 Normal: 1.63



FEBRUARY 2003

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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