



MAY 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	63	43	53	0	35	44	12	0	TS TSRA RA BR VCTS	0		0.0	0.47	28.98	29.70	6.1	06	9.0	31	04	24	03	01										
02	53	44	49	-5	35	42	16	0	RA DZ BR	0		0.0	0.02	29.03	29.75	12.3	31	13.4	31	28	24	32	02										
03	53	38	46	-8	27	38	19	0		0		0.0	0.00	29.39	30.13	4.6	06	8.7	25	08	15	07	03										
04	69	34	52	-2	35	46	13	0		0		0.0	0.00	29.41	30.14	5.6	21	6.5	20	26	15	26	04										
05	69	48	59	4	45	51	6	0		0		0.0	0.00	29.40	30.13	4.7	10	10.0	29	20	21	20	05										
06	75	60	68	13	60	63	0	3	RA BR	0		0.0	0.06	29.13	29.85	9.5	20	10.1	28	20	21	21	06										
07	68	44	56	1	45	48	9	0	BR	0		0.0	0.00	29.34	30.06	11.9	04	13.5	28	03	23	04	07										
08	65	45	55	-1	54	55	10	0	RA BR HZ	0		0.0	0.14	29.12	29.84	10.4	12	11.7	30	13	24	12	08										
09	68	48	58	2	42	50	7	0	TSRA RA BR	0		0.0	0.31	29.10	29.81	18.2	27	18.5	46*	29	36*	28	09										
10	66	45	56	0	28	44	9	0		0		0.0	0.00	29.55	30.28	6.7	28	10.8	29	29	23	29	10										
11	57	45	51	-6	39	45	14	0	TSRA RA BR VCTS	0		0.0	2.18	29.48	30.21	11.3	10	12.5	29	10	23	10	11										
12	50	45	48	-9	47	47	17	0	RA DZ BR	0		0.0	0.13	29.21	29.94	6.8	01	7.8	25	04	16	35	12										
13	56	44	50	-8	41	45	15	0	DZ BR	0		0.0	T	29.27	30.00	8.9	34	10.7	28	36	21	35	13										
14	64	43	54	-4	42	48	11	0		0		0.0	0.00	29.32	30.05	7.5	31	8.5	22	30	17	32	14										
15	75	40	58	0	48	54	7	0	RA BR	0		0.0	0.01	29.27	29.99	12.1	21	12.3	37	21	28	21	15										
16	66	43	55	-4	50	52	10	0	RA BR	0		0.0	0.85	29.21	29.93	1.9	31	10.8	25	01	22	02	16										
17	45	36	41	-18	33	37	24	0		0		0.0	0.00	29.41	30.14	14.0	03	14.9	35	06	23	04	17										
18	54	34	44	-16	33	38	21	0		0		0.0	0.00	29.48	30.22	4.8	03	8.3	25	33	20	33	18										
19	54	38	46	-14	36	41	19	0	RA	0		0.0	T	29.53	30.27	6.4	06	8.5	31	07	15	04	19										
20	48	33	41*	-20	30	38	24	0		0		0.0	0.00	29.66	30.41	10.7	04	11.0	28	02	21	02	20										
21	58	31*	45	-16	30	39	20	0		0		0.0	0.00	29.64	30.39	3.9	13	5.4	22	06	14	10	21										
22	68	41	55	-6	38	47	10	0		0		0.0	0.00	29.46	30.19	12.9	19	13.2	31	16	23	17	22										
23	72	57	65	4	52	57	0	0	TS TSRA RA BR	0		0.0	0.04	29.19	29.91	12.9	22	13.7	38	18	31	17	23										
24	64	43	54	-8	39	45	11	0	TS RA BR	0		0.0	0.03	29.35	30.08	11.8	03	12.9	29	04	23	02	24										
25	57	41	49	-13	46	48	16	0	TSRA RA DZ BR HZ	0		0.0	0.15	29.25	29.98	2.5	32	9.0	24	31	18	31	25										
26	73	37	55	-7	45	52	10	0	BR	0		0.0	0.00	29.36	30.09	7.1	20	7.9	22	22	18	19	26										
27	78	49	64	2	51	57	1	0	RA	0		0.0	T	29.31	30.03	3.4	13	5.2	18	08	14	10	27										
28	78	59	69	6	58	62	0	4	RA BR HZ	0		0.0	T	29.25	29.96	4.4	09	5.3	23	08	16	10	28										
29	83	62	73	9	62	66	0	8		0		0.0	0.00	29.16	29.87	7.5	23	8.3	21	22	16	22	29										
30	85	64	75	11	64	68	0	10	BR HZ	0		0.0	0.00	29.07	29.77	9.0	23	9.2	22	24	16	23	30										
31	86*	67	77*	13	56	65	0	12	RA	0		0.0	T	29.03	29.73	9.3	28	10.2	25	25	20	24	31										
65.2										45.2	55.2	■ ■	43.4	49.4	10.7	1.2	< MONTHLY AVERAGES		TOTALS->			0.0	4.39	29.30	30.03	0.7	27	10.3	<- MONTHLY AVERAGES				
-4.7										-2.3	-3.5	■ ■	<-----DEPARTURE FROM NORMAL----->										1.01	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 2.21			DATE: 11-12			SEA LEVEL PRESSURE			DATE			TIME												
MONTHLY									GREATEST 24-HR SNOWFALL: 0.0			DATE:			MAXIMUM			:			0756												
TOTAL DEPARTURE									SEASON TO DATE			GREATEST SNOW DEPTH: 0			DATE:			MINIMUM			:			2156									
HEATING: 331 96									5681 -820			NUMBER OF DAYS WITH ➡			MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32: 1			PRECIPITATION ≥ 0.01 INCH: 12												
COOLING: 37 -11									81 23						MAXIMUM TEMP ≤ 32: 0			MINIMUM TEMP ≤ 0: 0			PRECIPITATION ≥ 0.10 INCH: 7												
															THUNDERSTORMS: 6			HEAVY FOG: 0			SNOWFALL ≥ 1.0 INCH: 0												

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

CHICAGO, IL

MAY 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 02 03 04 05	T 0.02	T				T	T						01 02 03 04 05						T	T	0.03	0.04	0.04 T	0.20 T	0.16	01 02 03 04 05		0.47 0.02 0.00 0.00 0.00
06 07 08 09 10					T	T	0.02	T	0.01	0.03			06 07 08 09 10												0.01	06 07 08 09 10		0.06 0.00 0.14 0.31 0.00
11 12 13 14 15													11 12 13 14 15	0.12 T	0.14	0.05	0.01	0.01	T T	T T	0.12 T	0.28 T	0.41	0.32	0.16	11 12 13 14 15		2.18 0.13 T 0.00 0.01
16 17 18 19 20													16 17 18 19 20		0.15	0.22	0.14	0.05	0.04	T						16 17 18 19 20		0.85 0.00 0.00 T 0.00
21 22 23 24 25													21 22 23 24 25												T	21 22 23 24 25		0.00 0.00 0.04 0.03 0.15
26 27 28 29 30 31													26 27 28 29 30 31													26 27 28 29 30 31		0.00 T T 0.00 0.00 T

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.14	.23	.28	.31	.36	.38	.51	.60	.71	.76	.95	1.08
Ending Date	11	11	11	11	11	11	11	11	11	11	11	11
Ending Time (Hour/Min)	2108	2112	2116	2118	2118	2118	2118	2114	2230	2248	2233	2230

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
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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							2.50	10.00	
02							6.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							3.00	10.00	
07							2.50	10.00	
08							3.00	10.00	
09							2.00	10.00	
10							10.00	10.00	
11							2.00	10.00	
12							.50	10.00	
13							5.00	10.00	
14							7.00	10.00	
15							4.00	10.00	
16							2.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							9.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							4.00	10.00	
24							4.00	10.00	
25							2.00	10.00	
26							5.00	10.00	
27							10.00	10.00	
28							5.00	10.00	
29							7.00	10.00	
30							5.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.29	10.00	

SUNSHINE (MINUTES)

Total:

Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

31

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

0 8 14

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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: 0448 MAY 01 Sunset: 1849																													
03	OVC	090			10.00	49	36	43	61	6	16	29.08	29.80	03	CLR	NC			10.00	65	63	64	93	7	30	29.12	29.83		
06	OVC	080			10.00	49	36	43	61	3	17	29.11	29.83	06	OVC	005			7.00	50	48	49	93	20	04	29.28	30.00		
09	OVC	070			10.00	54	31	44	42	9	15	29.09	29.81	09	OVC	010			10.00	49	44	47	83	18	04	29.38	30.10		
12	BKN	100			10.00	59	34	47	39	9	08	28.99	29.71	12	OVC	014			10.00	48	40	44	74	13	03	29.45	30.17		
15	OVC	065			10.00	58	33	46	39	13	06	28.93	29.65	15	SCT	NC			10.00	51	37	45	59	17	04	29.42	30.15		
18	OVC	048			10.00	51	37	45	59	12	04	28.84	29.57	18	BKN	250			10.00	47	38	43	71	13	05	29.40	30.13		
21	OVC	044			10.00	47	41	44	80	18	03	28.78	29.49	21	OVC	200			10.00	44	39	42	83	10	06	29.38	30.12		
24	OVC	008			4.00	45	44	45	97	18	36	28.85	29.57	24	SCT	NC			10.00	45	41	43	86	10	04	29.33	30.06		
Sunrise: 0447 MAY 02 Sunset: 1850																													
03	OVC	010			6.00	45	43	44	93	16	33	28.89	29.61	03	OVC	009			10.00	50	45	47	83	12	11	29.27	30.00		
06	OVC	016			10.00	44	41	43	89	16	32	28.96	29.69	06	OVC	015			9.00	55	49	52	80	23	12	29.22	29.95		
09	BKN	022			10.00	47	39	43	74	18	31	28.99	29.71	09	OVC	008			7.00	52	51	52	97	13	12	29.20	29.93		
12	BKN	042			10.00	50	36	44	59	23	31	29.02	29.75	12	OVC	007		BR	5.00	55	53	54	93	10	10	29.15	29.87		
15	SCT	NC			10.00	52	25	41	35	16	29	29.06	29.78	15	OVC	015			7.00	63	57	60	81	10	13	29.08	29.80		
18	FEW	NC			10.00	51	25	40	36	14	27	29.10	29.82	18	OVC	012		HZ	6.00	63	58	60	84	10	10	29.02	29.73		
21	OVC	060			10.00	50	32	42	50	13	31	29.15	29.88	21	OVC	009		-RA	5.00	61	60	60	97	8	10	28.97	29.69		
24	SCT	NC			10.00	44	35	40	71	5	26	29.21	29.93	24	BKN	012		-RA	4.00	65	64	64	97	7	20	28.91	29.62		
Sunrise: 0445 MAY 03 Sunset: 1851																													
03	SCT	NC			10.00	39	32	36	76	6	26	29.26	29.99	03	OVC	020		RA	7.00	61	61	61	100	9	26	28.84	29.55		
06	CLR	NC			10.00	42	27	36	55	14	33	29.34	30.07	06	OVC	008			8.00	59	58	58	96	20	27	28.89	29.61		
09	CLR	NC			10.00	50	25	40	38	10	01	29.39	30.13	09	BKN	080			10.00	52	46	49	80	20	28	29.01	29.73		
12	CLR	NC			10.00	50	31	42	48	12	08	29.42	30.15	12	FEW	NC			10.00	57	38	48	49	28	28	29.10	29.81		
15	CLR	NC			10.00	50	29	41	44	12	10	29.43	30.17	15	FEW	NC			10.00	59	33	47	38	30	28	29.16	29.88		
18	CLR	NC			10.00	48	22	38	36	10	08	29.43	30.17	18	FEW	NC			10.00	57	30	45	36	20	26	29.23	29.95		
21	CLR	NC			10.00	42	24	35	49	7	09	29.46	30.20	21	CLR	NC			10.00	52	29	42	41	12	26	29.33	30.06		
24	CLR	NC			10.00	41	27	35	57	6	09	29.46	30.20	24	CLR	NC			10.00	48	30	40	50	12	26	29.38	30.11		
Sunrise: 0444 MAY 04 Sunset: 1853																													
03	CLR	NC			10.00	37	32	35	82	0	00	29.44	30.18	03	FEW	NC			10.00	46	31	40	56	9	24	29.41	30.14		
06	CLR	NC			10.00	39	36	38	89	0	00	29.47	30.21	06	CLR	NC			10.00	47	33	41	59	9	26	29.47	30.21		
09	CLR	NC			10.00	58	31	46	36	9	17	29.46	30.20	09	BKN	250			10.00	57	30	45	36	17	30	29.56	30.29		
12	CLR	NC			10.00	64	33	49	32	9	25	29.42	30.16	12	SCT	NC			10.00	63	27	47	26	20	28	29.58	30.31		
15	CLR	NC			10.00	67	35	51	31	8	25	29.36	30.09	15	FEW	NC			10.00	66	24	48	20	9	30	29.58	30.31		
18	FEW	NC			10.00	68	36	52	31	12	23	29.33	30.05	18	SCT	NC			10.00	63	23	46	22	5	30	29.58	30.31		
21	SCT	NC			10.00	62	39	51	43	7	21	29.38	30.10	21	BKN	200			10.00	55	28	43	36	5	11	29.62	30.36		
24	BKN	200			10.00	60	42	51	52	7	23	29.38	30.10	24	BKN	120			10.00	54	28	43	37	8	10	29.64	30.37		
Sunrise: 0443 MAY 05 Sunset: 1854																													
03	BKN	075			10.00	55	45	50	69	6	27	29.42	30.14	03	BKN	120			7.00	53	30	43	41	8	11	29.61	30.34		
06	SCT	NC			10.00	48	41	45	77	13	03	29.51	30.24	06	OVC	100			7.00	56	30	44	37	13	13	29.62	30.35		
09	CLR	NC			10.00	54	41	48	62	10	08	29.53	30.26	09	OVC	140			10.00	55	31	44	40	12	14	29.57	30.30		
12	CLR	NC			10.00	59	44	51	58	9	10	29.49	30.22	12	OVC	030			3.00	46	44	45	93	17	09	29.53	30.27		
15	FEW	NC			10.00	65	45	54	49	10	09	29.37	30.10	15	OVC	010			10.00	45	44	45	97	15	09	29.46	30.20		
18	SCT	NC			10.00	60	44	52	56	9	09	29.30	30.02	18	OVC	010			10.00	46	45	46	96	12	08	29.35	30.09		
21	BKN	200			10.00	58	45	51	62	7	11	29.29	30.01	21	OVC	005		+TSRA	3.00	45	45	45	100	14	06	29.27	30.00		
24	CLR	NC			10.00	67	51	58	57	13	20	29.23	29.95	24	OVC	003		-RA	3.00	47	47	47	100	6	05	29.23	29.95		
Sunrise: 0442 MAY 06 Sunset: 1855																													
03	OVC	200			10.00	66	53	59	63	16	20	29.18	29.89	03	OVC	005		BR	2.00	48	48	48	100	7	01	29.14	29.87		
06	OVC	100			10.00	62	57	59	84	12	19	29.16	29.88	06	OVC	003		-RA	1.00	47	47	47	100	5	08	29.16	29.89		
09	OVC	007			3.00	60	60	60	100	6	20	29.17	29.89	09	OVC	003		-RA	1.00	48	48	48	100	3	36	29.18	29.91		
12	BKN	009			10.00	66	62	64	87	10	19	29.10	29.81	12	OVC	005		-RA	1.75	49	49	49	100	14	36	29.21	29.94		
15	FEW	NC			10.00	72	62	66	71	9	23	29.09	29.80	15	OVC	005		BR	4.00	48	47	47	96	12	36	29.25	29.97		
18	CLR	NC			10.00	74	62	66	67	10	19	29.08	29.80	18	OVC	003		-DZ	1.50	46	46	46	100	7	07	29.28	30.00		
21	FEW	NC			10.00	66	61	63	84	7	18	29.12	29.84	21	OVC	010		BR	5.00	47	45	46	93	10	35	29.28	30.01		
24	SCT	NC			10.00	68	63	65	84	8	22	29.12	29.83	24	OVC	014			10.00	45	42	44	90	13	36	29.25	29.98		

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

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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 <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: 0434 MAY 13						SUNSET: 1902						SUNRISE: 0428 MAY 19						SUNSET: 1908											
03	OVC	015			10.00	44	40	42	85	9	34	29.26	29.98	03	OVC	100			10.00	40	34	37	79	7	20	29.49	30.23		
06	OVC	015			10.00	44	41	43	89	10	35	29.28	30.01	06	SCT	NC			10.00	43	34	39	71	9	04	29.51	30.25		
09	OVC	037			10.00	49	39	44	69	13	02	29.26	29.98	09	SCT	NC			10.00	51	37	45	59	6	02	29.51	30.25		
12	OVC	043			10.00	51	40	46	66	7	04	29.28	30.01	12	BKN	200			10.00	52	39	46	61	13	07	29.51	30.25		
15	BKN	050			10.00	54	40	47	59	17	31	29.28	30.01	15	OVC	060			10.00	51	35	44	54	10	08	29.52	30.26		
18	BKN	200			10.00	54	40	47	59	13	29	29.27	30.00	18	OVC	075			10.00	47	32	41	56	10	07	29.55	30.29		
21	BKN	055			10.00	50	41	46	71	5	26	29.26	29.99	21	OVC	100			10.00	42	35	39	76	8	05	29.59	30.32		
24	CLR	NC			10.00	47	44	46	90	8	29	29.25	29.97	24	OVC	095			10.00	42	33	38	71	13	04	29.61	30.35		
SUNRISE: 0432 MAY 14						SUNSET: 1903						SUNRISE: 0427 MAY 20						SUNSET: 1909											
03	FEW	NC			9.00	45	42	44	90	8	30	29.26	29.98	03	OVC	085			10.00	42	32	38	68	10	04	29.62	30.35		
06	CLR	NC			9.00	46	43	45	89	13	30	29.30	30.02	06	OVC	080			10.00	40	32	37	73	12	05	29.66	30.40		
09	CLR	NC			10.00	55	41	48	59	3	VR	29.33	30.05	09	OVC	075			10.00	44	30	38	58	12	05	29.70	30.44		
12	BKN	070			10.00	61	41	51	48	13	33	29.33	30.06	12	BKN	049			10.00	46	31	40	56	16	04	29.68	30.42		
15	BKN	075			10.00	63	42	52	47	15	30	29.32	30.04	15	FEW	NC			10.00	48	26	39	42	13	05	29.67	30.41		
18	FEW	NC			10.00	61	41	51	48	12	31	29.33	30.05	18	FEW	NC			10.00	44	25	37	47	14	03	29.67	30.41		
21	CLR	NC			10.00	51	44	48	77	5	25	29.35	30.09	21	CLR	NC			10.00	39	31	36	73	5	35	29.68	30.42		
24	CLR	NC			10.00	47	43	45	86	0	00	29.38	30.11	24	CLR	NC			10.00	33	31	32	92	0	00	29.66	30.41		
SUNRISE: 0431 MAY 15						SUNSET: 1904						SUNRISE: 0426 MAY 21						SUNSET: 1910											
03	CLR	NC			4.00	BR	42	42	42	100	0	00	29.38	30.11	03	CLR	NC			10.00	33	30	32	89	3	30	29.68	30.42	
06	SCT	NC			7.00		48	46	47	93	0	00	29.38	30.11	06	CLR	NC			10.00	39	29	35	67	0	00	29.71	30.46	
09	SCT	NC			10.00		63	46	54	54	15	19	29.35	30.08	09	CLR	NC			10.00	48	28	40	46	3	VR	29.72	30.46	
12	SCT	NC			10.00		70	48	58	46	17	20	29.30	30.01	12	FEW	NC			10.00	53	28	42	38	0	00	29.67	30.41	
15	BKN	250			10.00		74	50	60	43	18	22	29.19	29.91	15	SCT	NC			10.00	57	30	45	36	9	12	29.62	30.36	
18	BKN	250			10.00		71	52	60	51	18	21	29.16	29.88	18	BKN	250			10.00	55	26	43	33	12	11	29.58	30.32	
21	OVC	150			10.00		69	52	59	55	20	21	29.16	29.87	21	CLR	NC			10.00	46	33	40	61	9	15	29.58	30.32	
24	BKN	110			10.00		62	55	58	78	12	21	29.17	29.88	24	CLR	NC			10.00	42	34	39	73	6	17	29.56	30.30	
SUNRISE: 0430 MAY 16						SUNSET: 1905						SUNRISE: 0425 MAY 22						SUNSET: 1911											
03	BKN	090			10.00	62	54	57	75	9	23	29.16	29.87	03	CLR	NC			10.00	41	34	38	76	7	18	29.56	30.30		
06	BKN	250			10.00	62	54	57	75	10	23	29.17	29.88	06	CLR	NC			10.00	47	34	41	61	8	20	29.58	30.32		
09	OVC	075			10.00	66	56	60	70	13	24	29.14	29.85	09	FEW	NC			10.00	57	38	48	49	15	19	29.56	30.29		
12	OVC	049			3.00	RA BR	60	60	60	100	7	24	29.15	29.86	12	FEW	NC			10.00	64	41	52	43	18	16	29.49	30.22	
15	OVC	005			9.00	-RA	48	47	47	96	18	03	29.18	29.90	15	BKN	250			10.00	67	39	53	36	17	18	29.40	30.13	
18	OVC	020			10.00		47	45	46	93	13	02	29.26	29.98	18	OVC	250			10.00	65	38	51	37	15	18	29.34	30.06	
21	BKN	150			10.00		44	39	42	83	10	05	29.32	30.04	21	BKN	250			10.00	61	38	50	43	13	19	29.32	30.04	
24	BKN	120			10.00		43	34	39	71	17	03	29.36	30.09	24	CLR	NC			10.00	57	41	49	55	13	21	29.31	30.03	
SUNRISE: 0430 MAY 17						SUNSET: 1906						SUNRISE: 0424 MAY 23						SUNSET: 1912											
03	SCT	NC			10.00	40	34	37	79	13	04	29.40	30.14	03	CLR	NC			10.00	57	43	50	60	16	20	29.26	29.97		
06	BKN	120			10.00	41	33	38	74	16	06	29.42	30.16	06	BKN	250			10.00	58	45	51	62	13	22	29.24	29.95		
09	BKN	200			10.00	43	33	39	68	17	03	29.42	30.16	09	OVC	250			10.00	65	49	56	56	16	23	29.24	29.95		
12	OVC	027			10.00	43	32	38	65	17	03	29.43	30.17	12	BKN	250			10.00	65	54	59	68	16	27	29.17	29.89		
15	OVC	028			10.00	42	32	38	68	13	03	29.40	30.14	15	OVC	038			10.00	68	55	60	63	20	23	29.14	29.85		
18	BKN	150			10.00	41	31	37	67	18	01	29.39	30.13	18	OVC	030			9.00	65	59	61	81	15	23	29.17	29.88		
21	CLR	NC			10.00	38	31	35	76	10	35	29.39	30.14	21	OVC	060			10.00	65	60	62	84	9	24	29.17	29.88		
24	CLR	NC			10.00	36	32	34	86	7	36	29.40	30.14	24	OVC	055			6.00	-TSRA BR	64	62	63	93	12	23	29.18	29.89	
SUNRISE: 0429 MAY 18						SUNSET: 1907						SUNRISE: 0424 MAY 24						SUNSET: 1913											
03	CLR	NC			10.00	35	33	34	93	7	35	29.41	30.15	03	OVC	060			4.00	-RA BR	63	61	62	93	10	32	29.19	29.91	
06	FEW	NC			10.00	37	33	35	86	8	34	29.49	30.23	06	BKN	250			10.00	47	38	43	71	13	03	29.30	30.03		
09	FEW	NC			10.00	44	30	38	58	10	36	29.50	30.24	09	SCT	NC			10.00	49	37	43	64	20	05	29.37	30.11		
12	SCT	NC			10.00	52	28	42	40	12	34	29.48	30.22	12	BKN	200			10.00	50	36	44	59	17	03	29.42	30.15		
15	SCT	NC			10.00	49	34	42	57	10	06	29.48	30.23	15	OVC	200			10.00	49	34	42	57	14	05	29.41	30.15		
18	SCT	NC			10.00	46	35	41	66	8	09	29.49	30.23	18	BKN	200			10.00	47	33	41	59	13	04	29.38	30.12		
21	FEW	NC			10.00	41	34																						

OBSERVATIONS AT 3-HOURLY INTERVALS

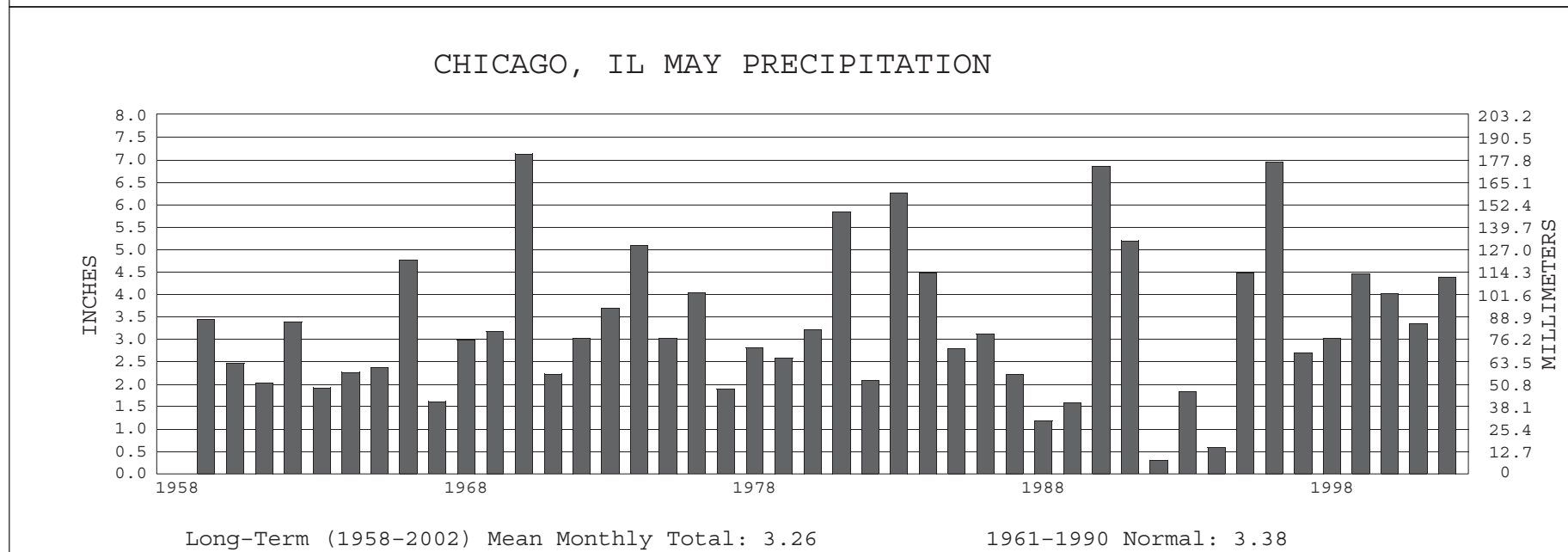
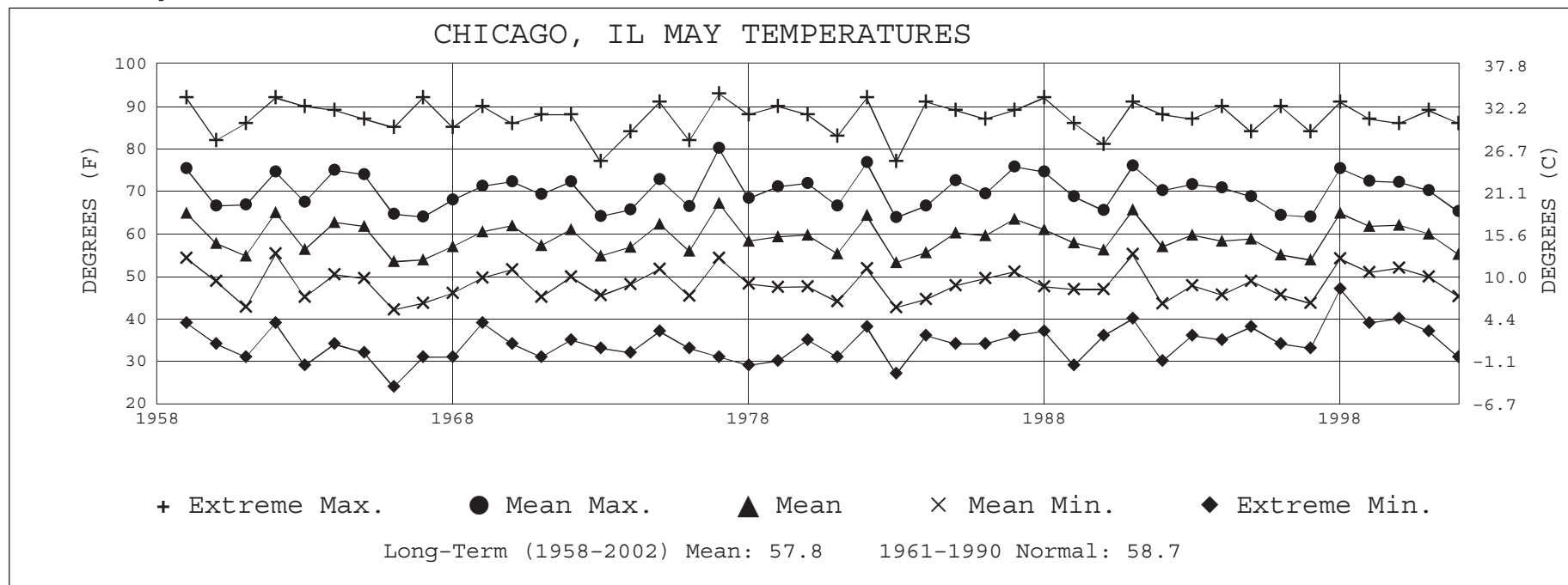
CHICAGO, IL

MAY 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: 0423	MAY 25		SUNSET: 1914										SUNRISE: 0419	MAY 31		SUNSET: 1919											
03	OVC	012			10.00		46	41	44	83	3	08	29.28	30.01	03	CLR	NC			10.00		74	65	68	74	14	24	28.94	29.65			
06	OVC	018			3.00	-TSRA BR	48	47	47	96	9	07	29.19	29.91	06	FEW	NC			10.00		72	65	67	79	12	26	28.98	29.68			
09	OVC	010			6.00	BR	53	52	52	96	5	20	29.14	29.87	09	BKN	200			10.00		81	59	67	47	10	28	29.02	29.72			
12	OVC	010			4.00	BR	55	51	53	87	13	27	29.17	29.89	12	OVC	200			10.00		84	51	64	32	9	29	29.05	29.75			
15	OVC	019			10.00		52	47	49	83	14	33	29.23	29.96	15	OVC	200			10.00		80	51	63	37	9	29	29.05	29.75			
18	OVC	022			10.00		51	45	48	80	10	32	29.31	30.03	18	FEW	NC			10.00		79	52	63	39	9	27	29.03	29.73			
21	SCT	NC			10.00		46	43	45	89	7	10	29.36	30.10	21	CLR	NC			10.00		71	50	59	47	6	28	29.09	29.79			
24	CLR	NC			5.00	BR	42	42	42	100	5	17	29.38	30.12	24	FEW	NC			10.00		67	53	59	61	9	29	29.09	29.80			
					SUNRISE: 0422	MAY 26		SUNSET: 1915										3-HOURLY OBSERVATION NOTES														
03	CLR	NC			5.00	BR	41	41	41	100	3	23	29.37	30.11		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.																
06	CLR	NC			5.00	BR	46	45	46	96	0	00	29.40	30.14		Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																
09	CLR	NC			10.00		59	50	54	72	9	21	29.40	30.13		NC= No ceiling detected.																
12	CLR	NC			10.00		68	48	57	49	15	23	29.39	30.12		& = Original observation contained additional weather elements.																
15	CLR	NC			10.00		72	49	59	44	12	22	29.35	30.08		See page 3 for additional notes.																
18	CLR	NC			10.00		72	42	56	34	14	19	29.30	30.02																		
21	CLR	NC			10.00		61	44	52	54	7	17	29.32	30.04																		
24	CLR	NC			10.00		58	44	51	60	7	19	29.32	30.04																		
					SUNRISE: 0422	MAY 27		SUNSET: 1916										SUMMARY BY HOUR														
03	CLR	NC			10.00		53	46	49	77	0	00	29.31	30.03		HOUR (LST)	CEILOMETER	EFF CLD AMT	AVERAGES						RESULTANT WIND (MPH)	SPEED	DIRECTION					
06	BKN	250			10.00		55	50	52	83	0	00	29.34	30.06					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)					VISIBILITY (MILES)	WIND SPEED (MPH)			
09	BKN	250			10.00		69	54	60	59	5	17	29.34	30.06		STATION	SEA LEVEL															
12	BKN	250			10.00		76	52	62	43	5	11	29.32	30.03																		
15	OVC	200			10.00		76	54	63	47	6	16	29.29	30.00																		
18	BKN	100			10.00		71	51	60	49	8	09	29.29	30.00																		
21	BKN	100			10.00		64	50	56	61	7	08	29.32	30.03																		
24	BKN	110			10.00		63	53	57	70	6	02	29.31	30.01																		
					SUNRISE: 0421	MAY 28		SUNSET: 1917																								
03	BKN	100			10.00		60	51	55	72	3	01	29.30	30.02		01				52	44	48	78	29.29	30.01	8.97	7	2	25			
06	BKN	070			7.00		61	53	57	75	0	00	29.30	30.01		02				51	44	48	78	29.28	30.01	8.87	8	2	27			
09	OVC	065			6.00	HZ	69	57	62	66	3	02	29.30	30.01		03				50	44	47	81	29.28	30.01	8.68	8	2	26			
12	OVC	150			5.00	HZ	74	60	65	62	9	13	29.28	29.99		04				50	43	47	81	29.29	30.01	8.63	8	1	34			
15	BKN	250			10.00		77	61	67	58	12	08	29.20	29.91		05				49	43	46	82	29.30	30.03	8.06	8	1	30			
18	OVC	250			10.00		72	60	65	66	9	08	29.20	29.92		06				51	44	47	79	29.32	30.04	8.55	9	1	35			
21	OVC	200			8.00		66	59	62	78	6	10	29.18	29.89		07				53	44	48	73	29.33	30.05	9.09	10	0	0			
24	BKN	100			6.00	BR	65	61	63	87	0	00	29.18	29.88		08				55	44	49	68	29.33	30.06	8.93	11	1	25			
					SUNRISE: 0420	MAY 29		SUNSET: 1917								09				56	43	50	64	29.33	30.05	9.03	11	1	30			
03	FEW	NC			9.00		64	63	63	96	7	18	29.16	29.87		10				58	44	51	62	29.33	30.05	9.03	11	1	36			
06	BKN	250			7.00		66	63	64	90	6	23	29.22	29.92		11				59	44	51	61	29.32	30.05	8.57	12	1	30			
09	BKN	250			9.00		74	62	66	67	8	23	29.21	29.91		12				60	44	52	59	29.32	30.04	8.77	13	2	32			
12	BKN	250			10.00		79	61	68	54	10	27	29.18	29.89		13				61	44	52	57	29.31	30.04	9.13	12	2	33			
15	BKN	250			10.00		83	61	69	48	9	23	29.14	29.84		14				61	44	52	56	29.30	30.03	9.19	12	1	30			
18	BKN	250			10.00		79	61	68	54	12	21	29.12	29.82		15				61	43	52	54	29.29	30.02	9.68	13	1	34			
21	BKN	200			10.00		70	61	64	73	6	19	29.15	29.85		16				61	42	51	54	29.29	30.01	9.32	13	1	4			
24	FEW	NC			10.00		69	63	65	81	5	22	29.15	29.86		17				60	42	51	55	29.28	30.01	9.65	13	1	1			
					SUNRISE: 0420	MAY 30		SUNSET: 1918								18				59	42	50	57	29.28	30.01	9.56	12	0	0			
03	CLR	NC			6.00	BR	65	63	64	93	6	23	29.13	29.84		19				57	41	49	59	29.29	30.01	9.42	11	1	8			
06	BKN	250			5.00	BR	68	64	66	87	5	24	29.15	29.85		20				55	42	49	64	29.29	30.02	9.23	9	1	11			
09	SCT	NC			8.00		76	65	69	69	7	23	29.13	29.84		21				54	43	49	69	29.30	30.02	9.39	9	1	11			
12	BKN	250			10.00		81	64	70	57	14	21	29.09	29.80		22				54	44	49	71	29.29	30.02	9.13	9	2	19			
15	SCT	NC			10.00		85	62	70	46	12	23	29.03	29.73		23				53	44	49	73	29.30	30.02	9.13	9	2	25			
18	FEW	NC			10.00		83	62	69	49	10	23	28.98	29.68		24				53	44	49	76	29.29	30.02	8.97	8	1	27			
21	BKN	200			10.00		80	64	70	58	13	23	28.99	29.70																		
24	CLR	NC			10.00		77	64	69	64	15	23	28.98	29.68																		





MAY 2002

CHICAGO, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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