



JANUARY 1999

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

CHICAGO, IL

OHARE INTERNATIONAL AIRPORT (ORD)
 Lat: 41°59' N Long: 87°54' W Elev (Ground): 658 Feet
 Time Zone: CENTRAL WBAN: 94846 ISSN #:0198-1854

JANUARY 1999
CHICAGO, IL

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	22	6	14	-8	8	13	51	0	SN BR	T		2.0	0.10	29.63	30.40	6.8	07	12.0	30	10	25	11	01																																										
02	26	18	22	0	21	22	43	0	SN BR BLSN DRSN	5		18.6	1.24	29.08	29.83	17.6	08	19.2	47*	09	37*	09	02																																										
03	26	5	16	-6	8	12	49	0	SN FZFG BR BLSN	17		1.0	0.05	29.01	29.76	13.2	27	17.2	31	23	25	24	03																																										
04	5	-9	-2*	-23	-7	-1	67	0		18		0.0	0.00	29.48	30.26	10.9	24	11.5	20	23	17	24	04																																										
05	18	-16*	1	-20	-8	-3	64	0	SN BR	14		0.6	0.02	29.47	30.26	9.0	20	9.7	22	19	17	19	05																																										
06	21	2	12	-9	10	14	53	0	SN BR	15		1.4	0.07	29.30	30.06	11.0	28	12.1	24	31	21	31	06																																										
07	9	-7	1	-20	-7	1	64	0		14		0.0	0.00	29.64	30.42	5.5	26	5.8	18	28	14	27	07																																										
08	22	9	16	-5	11	15	49	0	SN BR	13		1.9	0.19	29.35	30.11	8.7	36	9.1	22	34	20	33	08																																										
09	12	-4	4	-17	-3	4	61	0	SN BR	16		T	T	29.45	30.22	8.7	28	11.0	22	31	18	31	09																																										
10	14	-2	6	-15	-2	5	59	0	SN BLSN	14		T	T	29.34	30.11	13.3	27	15.5	30	27	24	28	10																																										
11	13	-3	5	-16	0	4	60	0	SN FG+ FZFG BR HZ	13		3.0	0.10	29.21	29.98	4.0	19	7.7	17	16	15	14	11																																										
12	28	11	20	-1	14	17	45	0	SN BR	17		0.2	0.01	29.17	29.93	8.1	02	9.6	28	06	22	05	12																																										
13	24	16	20	-1	15	19	45	0	RA FZRA SN BR BLSN	15		0.2	0.01	29.53	30.29	19.1	06	19.4	36	06	26	06	13																																										
14	20	16	18	-3	13	16	47	0	SN BR HZ	12		T	T	29.50	30.26	3.8	08	6.3	28	05	17	07	14																																										
15	30	16	23	3	20	22	42	0	SN BR	13		T	T	29.21	29.96	7.9	19	8.2	20	18	16	17	15																																										
16	40	20	30	10	30	32	35	0	BCFG BR HZ	12		0.0	0.00	29.09	29.83	9.6	23	9.9	22	20	17	20	16																																										
17	41	14	28	8	31	32	37	0	RA DZ FG BCFG BR	11		0.0	0.44	29.01	29.75	4.9	16	8.8	23	16	20	12	17																																										
18	36	22	29	9	26	29	36	0	SN BR	6		0.4	0.04	28.89	29.63	17.7	25	18.1	37	25	29	26	18																																										
19	34	19	27	6	20	25	38	0	BR	7		0.0	0.00	29.28	30.03	6.8	24	7.1	25	26	21	25	19																																										
20	41	19	30	9	29	30	35	0	SN FG+ FZFG BR	7		T	T	29.26	30.01	2.1	09	3.9	20	07	10	34	20																																										
21	41	32	37	16	33	35	28	0	TSRA RA FG BR HZ	6		0.0	0.71	29.12	29.86	11.6	05	11.9	30	07	21	06	21																																										
22	46	38	42	21	42	42	23	0	RA FG+ BR	3		0.0	0.57	28.94	29.67	5.1	10	6.7	26	06	21	07	22																																										
23	44	33	39	18	35	36	26	0	RA DZ SN PL FG+ BR	2		0.3	0.89	28.90	29.63	6.6	29	9.7	24	26	20	27	23																																										
24	35	31	33	12	30	32	32	0	DZ SN BR	0		T	0.03	29.35	30.10	6.6	26	7.6	22	28	16	28	24																																										
25	34	22	28	7	25	27	37	0	DZ BR	0		0.0	T	29.59	30.34	8.7	29	9.9	23	31	21	33	25																																										
26	39	18	29	8	23	28	36	0		0		0.0	0.00	29.54	30.29	5.8	16	7.0	20	14	17	14	26																																										
27	49*	34	42*	21	34	38	23	0	BR HZ	0		0.0	0.00	29.15	29.88	11.7	25	14.1	38	27	29	26	27																																										
28	34	31	33	12	27	31	32	0	BR HZ	0		0.0	0.00	29.45	30.20	9.0	30	10.2	22	31	18	31	28																																										
29	39	26	33	12	26	31	32	0		0		0.0	0.00	29.71	30.46	3.0	28	5.0	17	03	10	26	29																																										
30	44	24	34	13	28	33	31	0	BR HZ	0		0.0	0.00	29.78	30.54	8.4	07	9.2	28	06	18	07	30																																										
31	40	32	36	14	28	33	29	0	DZ BR	0		0.0	T	29.64	30.39	14.2	08	14.6	29	07	22	06	31																																										
29.9											15.3	22.6	■ ■	18.1	21.8	42.2	0.0	< MONTHLY AVERAGES		TOTALS-->	29.6	4.47	29.33	30.08	1.6	27	10.6	<- MONTHLY AVERAGES																																					
0.9											2.4	1.6	■ ■	<----- DEPARTURE FROM NORMAL ----->											2.94	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																																							
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 1.27 DATE :21-22											SEA LEVEL PRESSURE DATE TIME																																											
MONTHLY											GREATEST 24-HR SNOWFALL: 18.6 DATE :02											MAXIMUM : 30.61 30 1029																																											
TOTAL DEPARTURE											GREATEST SNOW DEPTH: 18 DATE :04											MINIMUM : 29.45 03 1026																																											
HEATING: 1309 -55											SEASON TO DATE TOTAL DEPARTURE 3164 -639											NUMBER OF DAYS WITH →											MAXIMUM TEMP ≥ 90: 0											MINIMUM TEMP ≤ 32: 28											PRECIPITATION ≥ 0.01 INCH : 15										
COOLING: 0 0																																	MAXIMUM TEMP ≤ 32 : 15											MINIMUM TEMP ≤ 0 : 6											PRECIPITATION ≥ 0.10 INCH : 8										
																																	THUNDERSTORMS : 1											HEAVY FOG : 4											SNOWFALL ≥ 1.0 INCH : 6										

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

CHICAGO, IL

JANUARY 1999

ORD

WBAN # 94846

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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	T	T	T	T	T	T	01	T	0.10		
02	T	T	T	T	T	T	0.01	T	T	T	T	T	02	T	T	T	T	T	T	T	T	T	T	T	02	0.01	1.24		
03	T	T	T	T	T	T							03	T	T	T	T	T	T	T	T	T	T	T	03	T	0.05		
04													04												04		0.00		
05													05					T	T	T	T	T	T	T	05	T	0.02		
06	T	T	T			T	T	T	T	T	T	T	06	T											06	T	0.07		
07													07	T											07	T	0.00		
08													08	T	T	T	T	T	T	T	T	T	T	T	08	T	0.19		
09	T	T	T	T	T	T							09	T		T	T	T	T	T	T	T	T	T	09	T	T		
10		T	T		T	T							10												10		T		
11													11	T	T	T	T								11	T	0.10		
12				T	T	T							12												12	T	0.01		
13	T	T	T	T	T	T							13	T	T	T	T	T	T	T	T	T	T	T	13	T	0.01		
14													14	T	T	T	T	T	T	T	T	T	T	T	14	T	T		
15	T	T	T	T	T	T							15	T	T	T	T	T	T	T	T	T	T	T	15	T	T		
16													16												16		0.00		
17													17	0.09	0.10	0.10	0.02	T	T	0.01	T	T	0.03	T	17	0.41	0.44		
18													18	T	T	T	T								18	T	0.04		
19													19												19		0.00		
20					T								20												20		T		
21				T		0.06	T						21								0.12	0.22	0.20	0.17	21		0.71		
22	0.20	0.15	0.05	0.01	0.01	0.06	T						22	0.06	0.02	0.01	0.04	0.01	T	0.04	0.02		0.01	22		0.57			
23		0.01	0.03	0.01	0.10	0.02	0.07	0.19	0.20	0.08	0.02	T	23		T	T	T	T	T	T	T	T	T	23		0.89			
24				0.02									24											0.01	24		0.03		
25	T	T											25		T	T	T	T	T	T	T	T	T	25		T			
26													26												26		0.00		
27													27												27		0.00		
28													28												28		0.00		
29													29												29		0.00		
30													30												30		0.00		
31													31											T	31	T	T		

MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

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 1: NCDC derives these data from one-minute ASOS values. The table is not printed when inconsistent with ASOS hourly totals.

Note 2: 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.

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

JANUARY 1999

ORD

WBAN # 94846

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB
SUNRISE: 0719				JAN 01				SUNSET: 1631				SUNRISE: 0719				JAN 07				SUNSET: 1636					
03	BKN	024		10.00	9	0	7	67	13	35	29.58	30.35	03	CLR	NC		10.00	-2	-10	-3	68	8	26	29.62	30.40
06	SCT	NC		9.00	6	-6	4	57	10	36	29.64	30.42	06	CLR	NC		10.00	-5	-12	-6	72	12	30	29.66	30.44
09	BKN	150		10.00	8	-1	6	66	8	34	29.71	30.48	09	FEW	NC		10.00	-4	-13	-5	65	8	26	29.70	30.49
12	OVC	028		6.00	16	9	14	74	0	00	29.67	30.43	12	BKN	250		10.00	5	-9	3	52	8	28	29.70	30.48
15	OVC	029		5.00	21	16	20	81	15	11	29.63	30.40	15	OVC	250		10.00	8	-5	6	55	0	00	29.64	30.42
18	OVC	023		10.00	20	15	19	81	17	10	29.63	30.40	18	OVC	100		10.00	8	-5	6	55	6	24	29.65	30.43
21	OVC	060		10.00	20	14	18	78	21	10	29.60	30.37	21	OVC	095		10.00	8	-1	6	66	3	22	29.59	30.37
24	OVC	015		1.50	18	14	17	84	22	11	29.55	30.32	24	OVC	065		10.00	9	-2	7	61	0	00	29.55	30.32
SUNRISE: 0720				JAN 02				SUNSET: 1632				SUNRISE: 0719				JAN 08				SUNSET: 1637					
03	OVC	003		0.75	19	17	18	92	18	09	29.45	30.22	03	OVC	065		10.00	11	1	9	64	0	00	29.48	30.26
06	VV	002		0.25	20	19	20	96	20	08	29.32	30.07	06	OVC	036		3.00	13	7	12	77	5	05	29.41	30.19
09	OVC	003		0.25	22	20	21	92	23	09	29.22	29.97	09	OVC	026		2.00	14	10	13	84	9	02	29.38	30.15
12	OVC	002		0.25	22	21	22	96	22	09	29.09	29.84	12	OVC	015		1.00	20	17	19	89	8	36	29.30	30.05
15	OVC	002		0.25	24	22	23	91	22	07	28.94	29.69	15	OVC	021		2.00	22	18	21	85	10	36	29.23	29.98
18	OVC	012		1.75	25	23	24	92	14	07	28.86	29.60	18	OVC	026		1.00	19	15	18	85	14	36	29.28	30.03
21	OVC	015		3.00	26	24	25	92	8	04	28.79	29.52	21	OVC	044		7.00	16	12	15	84	14	34	29.29	30.04
24	OVC	014		9.00	26	25	26	96	10	33	28.73	29.47	24	OVC	046		4.00	12	9	11	87	15	34	29.31	30.06
SUNRISE: 0720				JAN 03				SUNSET: 1633				SUNRISE: 0719				JAN 09				SUNSET: 1639					
03	OVC	040		3.00	16	14	15	92	21	32	28.76	29.50	03	OVC	060		7.00	11	7	10	84	13	33	29.34	30.09
06	BKN	055		4.00	13	9	12	84	17	30	28.85	29.60	06	BKN	080		9.00	9	3	8	77	15	31	29.40	30.17
09	BKN	060		7.00	14	9	13	80	18	26	28.95	29.70	09	CLR	NC		10.00	3	-4	2	72	14	28	29.50	30.27
12	BKN	027		3.00	16	10	14	77	21	25	28.99	29.74	12	CLR	NC		10.00	8	-4	6	57	12	27	29.48	30.26
15	BKN	024		4.00	15	10	14	80	20	25	29.06	29.81	15	CLR	NC		10.00	8	-4	6	57	10	24	29.48	30.26
18	BKN	050		4.00	9	4	8	80	18	23	29.15	29.91	18	SCT	NC		10.00	2	-9	0	60	9	23	29.50	30.27
21	SCT	NC		10.00	5	-1	4	76	14	25	29.21	29.97	21	SCT	NC		10.00	-4	-9	-5	79	9	23	29.48	30.26
24	SCT	NC		10.00	5	0	4	79	14	25	29.27	30.03	24	OVC	075		10.00	-2	-10	-3	68	8	22	29.42	30.20
SUNRISE: 0720				JAN 04				SUNSET: 1634				SUNRISE: 0719				JAN 10				SUNSET: 1640					
03	BKN	200		10.00	1	-4	0	79	12	25	29.34	30.10	03	OVC	046		10.00	3	-2	2	79	13	20	29.29	30.06
06	SCT	NC		10.00	-1	-7	-2	75	12	24	29.39	30.17	06	OVC	025		5.00	10	2	8	69	12	23	29.24	30.00
09	BKN	250		10.00	2	-6	1	69	10	24	29.46	30.24	09	OVC	032		3.00	13	8	12	81	15	27	29.27	30.04
12	BKN	250		10.00	5	-4	3	66	12	24	29.48	30.26	12	SCT	NC		8.00	13	4	11	67	18	29	29.31	30.07
15	BKN	200		10.00	3	-4	2	72	13	22	29.52	30.30	15	SCT	NC		8.00	11	0	9	61	18	29	29.33	30.09
18	SCT	NC		10.00	-2	-9	-3	72	12	21	29.57	30.35	18	SCT	NC		10.00	4	-6	2	63	16	29	29.39	30.17
21	SCT	NC		10.00	-6	-12	-7	75	12	24	29.59	30.37	21	FEW	NC		10.00	0	-9	-1	65	15	29	29.46	30.24
24	SCT	NC		10.00	-9	-15	-10	75	12	24	29.59	30.37	24	OVC	200		10.00	-1	-10	-2	65	10	29	29.50	30.28
SUNRISE: 0720				JAN 05				SUNSET: 1635				SUNRISE: 0719				JAN 11				SUNSET: 1641					
03	CLR	NC		10.00	-12	-16	-12	81	6	23	29.60	30.39	03	SCT	NC		10.00	-3	-11	-4	68	8	25	29.49	30.27
06	SCT	NC		10.00	-15	-18	-15	86	7	22	29.58	30.37	06	OVC	050		10.00	-1	-9	-2	68	6	23	29.43	30.22
09	SCT	NC		7.00	-12	-16	-12	81	8	22	29.60	30.39	09	OVC	009		0.50	1	-2	1	87	10	18	29.37	30.15
12	BKN	150		10.00	-3	-9	-4	75	13	19	29.55	30.34	12	VV	005		0.25	4	0	3	83	14	16	29.22	29.99
15	OVC	110		10.00	3	-8	1	60	12	18	29.44	30.23	15	BKN	100		9.00	11	5	10	77	6	15	29.03	29.80
18	OVC	046		7.00	5	-2	4	72	13	17	29.37	30.16	18	FEW	NC		8.00	9	6	8	88	6	14	28.96	29.73
21	OVC	048		3.00	11	4	9	73	9	19	29.29	30.06	21	SCT	NC		4.00	10	8	10	92	3	28	28.96	29.72
24	OVC	008		3.00	18	15	17	88	9	21	29.22	29.98	24	OVC	150		10.00	11	7	10	84	9	33	29.03	29.79
SUNRISE: 0719				JAN 06				SUNSET: 1635				SUNRISE: 0718				JAN 12				SUNSET: 1642					
03	OVC	012		7.00	20	17	19	89	14	25	29.17	29.93	03	BKN	017		10.00	11	5	10	77	8	36	29.10	29.86
06	OVC	008		2.00	20	18	19	92	9	24	29.14	29.90	06	OVC	022		10.00	12	6	11	77	8	01	29.16	29.92
09	OVC	016		8.00	21	17	20	85	12	27	29.18	29.94	09	OVC	023		10.00	14	9	13	80	3	VR	29.19	29.95
12	OVC	015		1.50	18	14	17	84	16	31	29.23	29.98	12	OVC	019		10.00	18	14	17	84	7	01	29.16	29.91
15	BKN	200		10.00	15	7	13	70	17	32	29.30	30.05	15	OVC	010		8.00	21	18	20	88	5	04	29.12	29.88
18	BKN	200		10.00	12	3	10	67	9	30	29.41	30.17	18	OVC	012		7.00	23	20	22	88	8	01	29.19	29.94
21	CLR	NC		10.00	7	-1	5	70	10	27	29.50	30.27	21	OVC	014		10.00	26	21	24	81	16	06	29.25	29.99
24	CLR	NC		10.00	2	-4	1	76	12	26	29.58	30.36	24	OVC	014		7.00	24	22	23	91	18	05	29.30	30.05

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

JANUARY 1999

ORD

WBAN # 94846

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB
SUNRISE: 0718 JAN 13 SUNSET: 1643																									
03	OVC	018	6.00	-SN BR	24	20	23	84	17	06	29.35	30.11	03	CLR	NC	10.00		21	11	18	65	17	25	29.23	29.97
06	OVC	015	7.00	-SN	23	18	21	81	17	06	29.42	30.18	06	CLR	NC	10.00		19	11	17	71	9	24	29.27	30.02
09	OVC	021	2.00	-SN BR	21	18	20	88	21	06	29.53	30.29	09	OVC	100	10.00		22	13	19	68	8	24	29.32	30.06
12	OVC	019	10.00		21	15	19	78	20	07	29.55	30.31	12	OVC	070	10.00		28	15	24	58	8	21	29.32	30.07
15	BKN	023	3.00	-SN	21	15	19	78	18	04	29.59	30.35	15	BKN	200	10.00		33	28	31	82	8	25	29.27	30.02
18	OVC	023	9.00	-SN	18	12	16	77	18	06	29.63	30.39	18	OVC	008	10.00		32	29	31	88	0	00	29.29	30.04
21	OVC	021	5.00	-SN	17	12	16	80	16	08	29.65	30.41	21	OVC	008	9.00		31	29	30	92	3	19	29.32	30.07
24	OVC	048	10.00		16	9	14	74	15	07	29.63	30.40	24	BKN	014	6.00 BR		28	28	28	100	0	00	29.31	30.06
SUNRISE: 0717 JAN 14 SUNSET: 1644																									
03	OVC	050	10.00		16	8	14	71	15	07	29.60	30.37	03	OVC	004	0.50 BR		21	21	21	100	0	00	29.28	30.02
06	OVC	016	5.00	-SN	16	11	15	80	9	06	29.57	30.34	06	BKN	007	0.25 BR		26	26	26	100	5	02	29.32	30.06
09	OVC	025	3.00	-SN BR	17	14	16	88	7	07	29.56	30.32	09	VV	001	<.25 FZFG		28	28	28	100	7	15	29.30	30.04
12	OVC	050	10.00		18	12	16	77	7	08	29.49	30.25	12	OVC	003	2.00 BR		32	31	32	96	6	15	29.30	30.04
15	OVC	024	10.00		19	13	17	77	0	00	29.44	30.21	15	OVC	200	9.00		39	31	36	73	3	13	29.25	29.98
18	OVC	050	10.00		20	15	19	81	5	VR	29.42	30.19	18	BKN	200	10.00		38	31	35	76	0	00	29.22	29.96
21	OVC	046	6.00	-SN BR	19	15	18	85	6	25	29.40	30.16	21	OVC	120	6.00 BR		34	32	33	92	7	06	29.21	29.95
24	OVC	055	5.00	-SN BR	17	13	16	84	6	24	29.38	30.15	24	OVC	200	5.00 BR		33	32	33	96	3	VR	29.20	29.94
SUNRISE: 0717 JAN 15 SUNSET: 1645																									
03	OVC	034	7.00	-SN	17	14	16	88	6	23	29.36	30.12	03	OVC	110	5.00 BR		33	31	32	92	5	08	29.19	29.92
06	OVC	009	6.00	-SN BR	17	16	17	96	3	20	29.33	30.08	06	FEW	NC	3.00 BR		34	32	33	92	10	03	29.13	29.87
09	OVC	004	1.75	-SN BR	19	18	19	96	6	18	29.30	30.06	09	OVC	003	0.25 BR		36	33	35	89	9	05	29.18	29.92
12	OVC	010	4.00	BR	24	22	23	91	9	20	29.23	29.98	12	BKN	250	5.00 HZ		41	33	38	74	10	05	29.16	29.89
15	OVC	012	8.00		24	20	23	84	9	17	29.15	29.90	15	OVC	003	0.50 BR		36	33	35	89	15	04	29.13	29.87
18	OVC	007	6.00	BR	24	23	24	96	12	17	29.11	29.85	18	OVC	020	3.00 BR		37	33	35	86	16	06	29.08	29.82
21	OVC	003	1.50	BR	26	26	26	100	9	20	29.05	29.80	21	OVC	018	4.00 RA		38	33	36	83	17	06	29.03	29.77
24	OVC	007	2.50	BR	30	29	30	96	10	20	29.00	29.74	24	OVC	006	3.00 RA BR		38	34	36	86	18	07	28.98	29.71
SUNRISE: 0717 JAN 16 SUNSET: 1646																									
03	OVC	007	7.00		33	31	32	92	14	23	28.93	29.67	03	OVC	005	4.00 RA BR		38	38	38	100	15	09	28.93	29.66
06	FEW	NC	8.00		34	31	33	89	9	23	28.94	29.68	06	OVC	003	5.00 -RA BR		38	38	38	100	9	06	28.86	29.59
09	BKN	150	5.00	BR	35	31	33	85	13	26	29.01	29.75	09	OVC	004	0.50 FG		39	39	39	100	6	05	28.93	29.66
12	SCT	NC	8.00		39	31	36	73	15	24	29.08	29.82	12	OVC	002	<.25 FG		41	41	41	100	7	14	28.94	29.67
15	BKN	250	10.00		39	30	35	70	14	24	29.13	29.86	15	VV	001	<.25 FG		44	44	44	100	5	16	28.97	29.70
18	SCT	NC	10.00		35	30	33	82	7	23	29.21	29.94	18	VV	001	0.25 FG		45	45	45	100	5	18	28.98	29.72
21	CLR	NC	10.00		32	30	31	92	8	22	29.25	29.99	21	OVC	001	0.25 FG		43	43	43	100	5	14	28.96	29.69
24	CLR	NC	7.00	BCFG	21	20	21	96	0	00	29.28	30.02	24	VV	001	<.25 FG		44	45	44	100	3	03	28.92	29.65
SUNRISE: 0716 JAN 17 SUNSET: 1647																									
03	CLR	NC	7.00	BCFG	19	18	19	96	3	02	29.28	30.02	03	OVC	001	<.25 -RA BR		39	39	39	100	7	01	28.87	29.60
06	FEW	NC	7.00	BCFG	22	22	22	100	3	10	29.23	29.97	06	OVC	005	2.00 -RA BR		37	37	37	100	8	01	28.81	29.53
09	BKN	150	7.00		33	32	33	96	9	09	29.18	29.91	09	OVC	003	2.00 RA BR		37	37	37	100	7	36	28.80	29.52
12	OVC	028	3.00	RA BR	36	34	35	93	8	09	29.03	29.77	12	OVC	005	7.00 -RA		38	38	38	100	9	30	28.77	29.49
15	OVC	009	1.50	RA BR	39	38	39	96	16	15	28.87	29.61	15	OVC	009	10.00 -RA		35	34	35	96	13	26	28.85	29.58
18	OVC	003	1.50	DZ BR	41	40	41	96	12	19	28.82	29.54	18	OVC	010	3.00 -SN BR		34	33	34	97	13	26	28.97	29.71
21	OVC	005	6.00	DZ BR	39	39	39	100	8	25	28.74	29.46	21	OVC	012	10.00		34	31	33	89	13	26	29.07	29.81
24	OVC	007	6.00	BR	35	34	35	96	13	26	28.75	29.48	24	OVC	027	10.00		34	29	32	82	13	28	29.14	29.88
SUNRISE: 0716 JAN 18 SUNSET: 1649																									
03	OVC	025	10.00		36	31	34	82	16	24	28.77	29.49	03	OVC	017	10.00		34	31	33	89	10	27	29.23	29.97
06	OVC	036	10.00		36	26	32	67	15	24	28.78	29.51	06	OVC	018	10.00		33	29	31	85	7	28	29.34	30.08
09	OVC	060	10.00		33	27	31	78	15	23	28.79	29.51	09	OVC	015	9.00		31	27	29	85	6	27	29.38	30.13
12	OVC	016	8.00	-SN	32	28	30	85	16	25	28.81	29.54	12	OVC	014	9.00		33	29	31	85	8	26	29.41	30.16
15	OVC	015	2.00	-SN BR	32	30	31	92	20	26	28.88	29.62	15	BKN	100	7.00		34	31	33	89	10	24	29.39	30.14
18	OVC	013	10.00		29	26	28	89	24	25	29.01	29.75	18	OVC	012	7.00		34	31	33	89	7	19	29.38	30.13
21	SCT	NC	10.00		24	19	22	81	22	26	29.07	29.82	21	OVC	012	7.00		34	31	33	89	5	25	29.39	30.14
24	CLR	NC	10.00		22	12	19	66	18	26	29.16	29.90	24	OVC	005	2.00 DZ BR		33	33	33	100	3	17	29.35	30.10

OBSERVATIONS AT 3-HOURLY INTERVALS

CHICAGO, IL

JANUARY 1999

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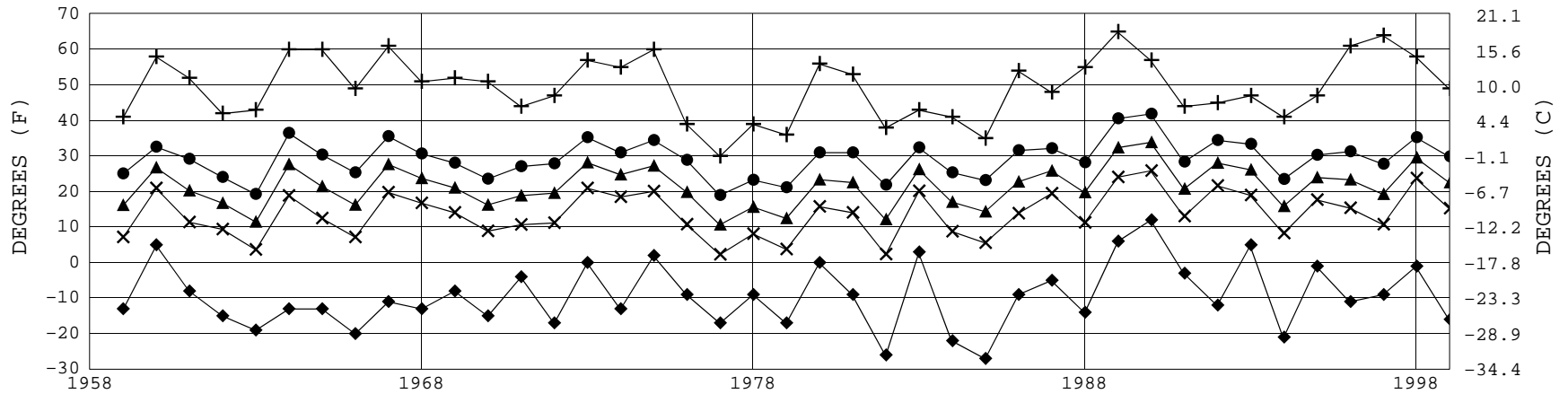
WBAN # 94846

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)																	
	OBSERVATION TIME (LST)	EFF CLD AMT Ok/as		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as		DRY BULB	DEW POINT			WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL																		
SUNRISE: 0711								JAN 25								SUNSET: 1657								SUNRISE: 0705								JAN 31								SUNSET: 1705							
03	OVC	011			8.00			34	32	33	92	13	30	29.38	30.13	03	OVC	200			10.00			32	28	31	85	13	08	29.76	30.51																
06	OVC	014			10.00			31	27	29	85	15	33	29.46	30.21	06	OVC	200			10.00			32	27	30	82	20	07	29.72	30.47																
09	BKN	015			8.00			29	24	27	82	15	31	29.58	30.34	09	BKN	200			10.00			34	27	31	76	16	07	29.70	30.44																
12	BKN	015			10.00			28	24	27	85	13	29	29.64	30.39	12	OVC	150			10.00			36	26	32	67	14	07	29.65	30.40																
15	OVC	015			9.00			28	24	27	85	7	28	29.65	30.40	15	OVC	150			10.00			39	26	34	60	15	07	29.68	30.33																
18	OVC	013			9.00			26	22	25	84	9	27	29.71	30.47	18	OVC	026			10.00			40	27	35	60	18	10	29.55	30.30																
21	FEW	NC			9.00			23	20	22	88	3	VR	29.71	30.47	21	OVC	024			10.00			39	28	35	65	14	09	29.52	30.27																
24	BKN	150			10.00			22	19	21	89	7	28	29.72	30.48	24	OVC	018			3.00	DZ BR		35	33	34	93	9	09	29.48	30.23																
SUNRISE: 0710								JAN 26								SUNRISE: 1658								3-HOURLY OBSERVATION NOTES																							
03	SCT	NC			10.00			20	16	19	85	0	00	29.69	30.44	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.																															
06	CLR	NC			10.00			19	16	18	88	3	20	29.68	30.43	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
09	OVC	200			10.00			25	18	23	75	6	20	29.68	30.44	NC= No ceiling detected.																															
12	OVC	200			10.00			32	24	29	73	7	19	29.60	30.36	& = Original observation contained additional weather elements.																															
15	BKN	250			10.00			39	25	34	57	10	17	29.51	30.26	See page 3 for additional notes.																															
18	OVC	044			10.00			37	29	34	73	12	15	29.43	30.18																																
21	SCT	NC			8.00			38	32	36	79	13	12	29.31	30.05																																
24	SCT	NC			8.00			36	33	35	89	10	14	29.23	29.97																																
SUNRISE: 0709								JAN 27								SUNRISE: 1660																															
03	BKN	080			8.00			38	33	36	83	8	16	29.13	29.86																																
06	FEW	NC			7.00			45	33	40	63	10	21	29.05	29.78																																
09	SCT	NC			7.00			47	33	41	59	13	22	29.04	29.77																																
12	BKN	200			7.00			45	39	42	79	16	25	29.07	29.80																																
15	OVC	018			9.00			41	34	38	76	17	26	29.14	29.87																																
18	OVC	016			10.00			37	33	36	87	16	27	29.23	29.96																																
21	OVC	016			9.00			36	31	34	82	13	28	29.26	29.99																																
24	OVC	012			6.00	BR		34	32	33	92	8	27	29.29	30.02																																
SUNRISE: 0708								JAN 28								SUNRISE: 1701																															
03	OVC	011			6.00	BR		33	29	31	85	13	28	29.32	30.05																																
06	OVC	015			7.00			31	27	29	85	8	26	29.34	30.09																																
09	OVC	015			5.00	HZ		33	28	31	82	13	28	29.40	30.15																																
12	OVC	017			7.00			34	28	32	79	13	30	29.42	30.17																																
15	OVC	019			10.00			34	27	31	76	13	31	29.48	30.22																																
18	OVC	029			10.00			34	28	32	79	9	28	29.54	30.29																																
21	OVC	025			10.00			33	26	30	75	6	33	29.59	30.34																																
24	OVC	027			10.00			33	25	30	72	6	02	29.63	30.38																																
SUNRISE: 0707								JAN 29								SUNRISE: 1702																															
03	OVC	025			10.00			32	24	29	73	5	33	29.67	30.42																																
06	OVC	025			10.00			31	24	28	76	3	21	29.71	30.46																																
09	BKN	200			10.00			33	23	29	67	3	36	29.74	30.49																																
12	BKN	200			10.00			37	26	33	65	8	28	29.72	30.47																																
15	BKN	200			10.00			39	26	34	60	6	VR	29.71	30.46																																
18	BKN	200			10.00			34	28	32	79	7	29	29.72	30.47																																
21	SCT	NC			8.00			31	27	29	85	3	32	29.75	30.50																																
24	SCT	NC			8.00			31	28	30	89	3	36	29.74	30.49																																
SUNRISE: 0706								JAN 30								SUNRISE: 1704																															
03	CLR	NC			5.00	BR		26	24	25	92	0	00	29.77	30.52																																
06	FEW	NC			5.00	BR		28	25	27	88	3	01	29.80	30.55																																
09	SCT	NC			4.00	BR		32	30	31	92	5	03	29.83	30.58																																
12	SCT	NC			10.00			42	31	37	65	14	08	29.83	30.58																																
15	BKN	200			10.00			43	27	37	53	15	07	29.78	30.53																																
18	BKN	200			10.00			38	31	35	76	10	06	29.78	30.53																																
21	BKN	200			10.00			39	26	34	60	13	08	29.77	30.52																																
24	OVC	150			10.00			35	31	33	85	13	10	29.78	30.53																																

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)	DIRECTION	
							STATION	SEA LEVEL				
01			21	17	20	83	29.32	30.07	7.19	10	2	30
02			21	17	20	84	29.32	30.08	6.80	10	2	27
03			20	16	19	84	29.32	30.07	7.46	10	2	29
04			20	16	19	83	29.31	30.07	7.44	10	2	30
05			20	16	19	82	29.32	30.07	7.21	10	2	29
06			20	16	19	83	29.32	30.08	6.92	10	2	32
07			21	16	20	84	29.35	30.10	6.98	9	1	29
08			21	17	20	84	29.34	30.09	5.82	10	1	29
09			22	17	21	82	29.35	30.10	5.88	10	2	27
10			23	18	22	81	29.35	30.11	6.01	11	2	27
11			24	19	23	80	29.35	30.10	6.55	12	2	27
12			25	19	23	78	29.33	30.08	6.78	12	3	26
13			26	19	24	76	29.31	30.06	7.18	12	3	25
14			26	19	24	76	29.30	30.06	6.66	12	3	25
15			26	20	24	76	29.31	30.06	7.27	11	2	25
16			26	19	24	77	29.31	30.07	7.02	12	3	23
17			25	20	24	79	29.32	30.07	7.32	11	2	23
18			25	19	23	81	29.32	30.08	7.66	11	2	22
19			24	19	23	82	29.33	30.08	7.43	10	1	25
20			24	19	22	82	29.33	30.08	8.16	11	1	21
21			24	19	22	82	29.32	30.08	7.60	10	1	25
22			23	18	22	83	29.32	30.08	7.66	10	1	28
23			23	18	21	83	29.33	30.08	7.62	10	2	28
24			22	18	21	85	29.32	30.08	6.97	10	1	28

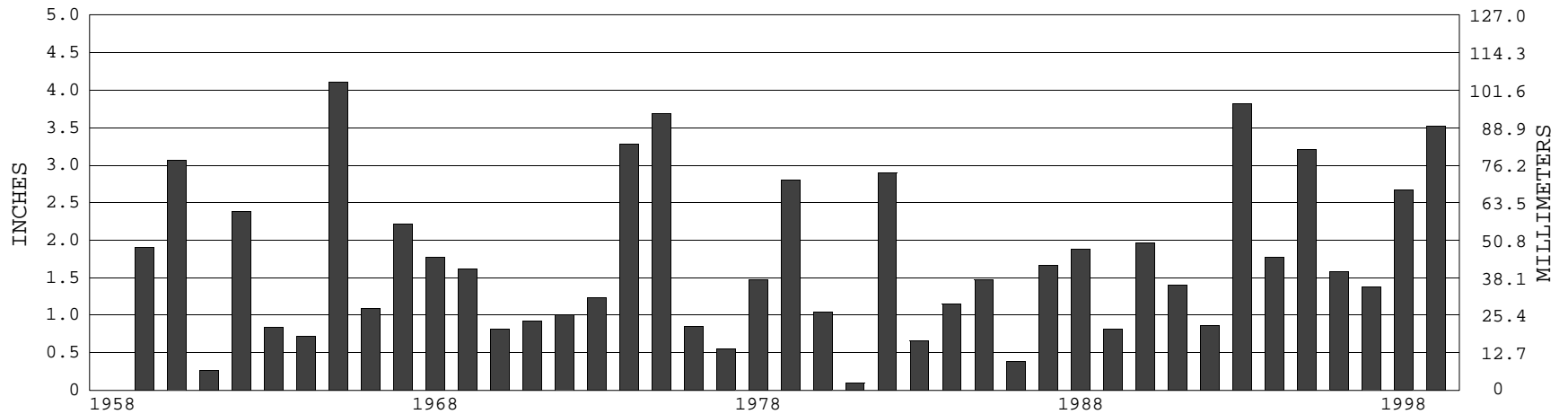
CHICAGO, IL JANUARY TEMPERATURES



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

Long-Term (1958-1999) Mean: 21.1 1961-1990 Normal: 21.0

CHICAGO, IL JANUARY PRECIPITATION



Long-Term (1958-1999) Mean Monthly Total: 1.69

1961-1990 Normal: 1.53



**JANUARY 1999
CHICAGO, IL**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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DIRECTOR

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

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