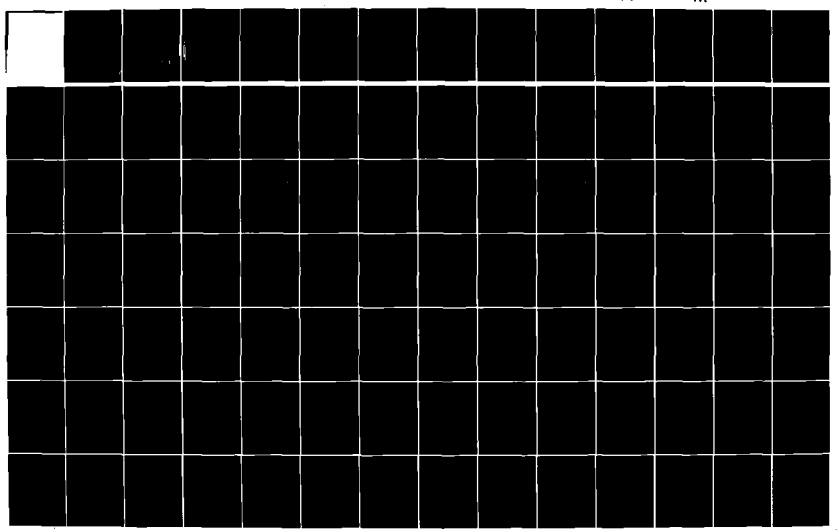
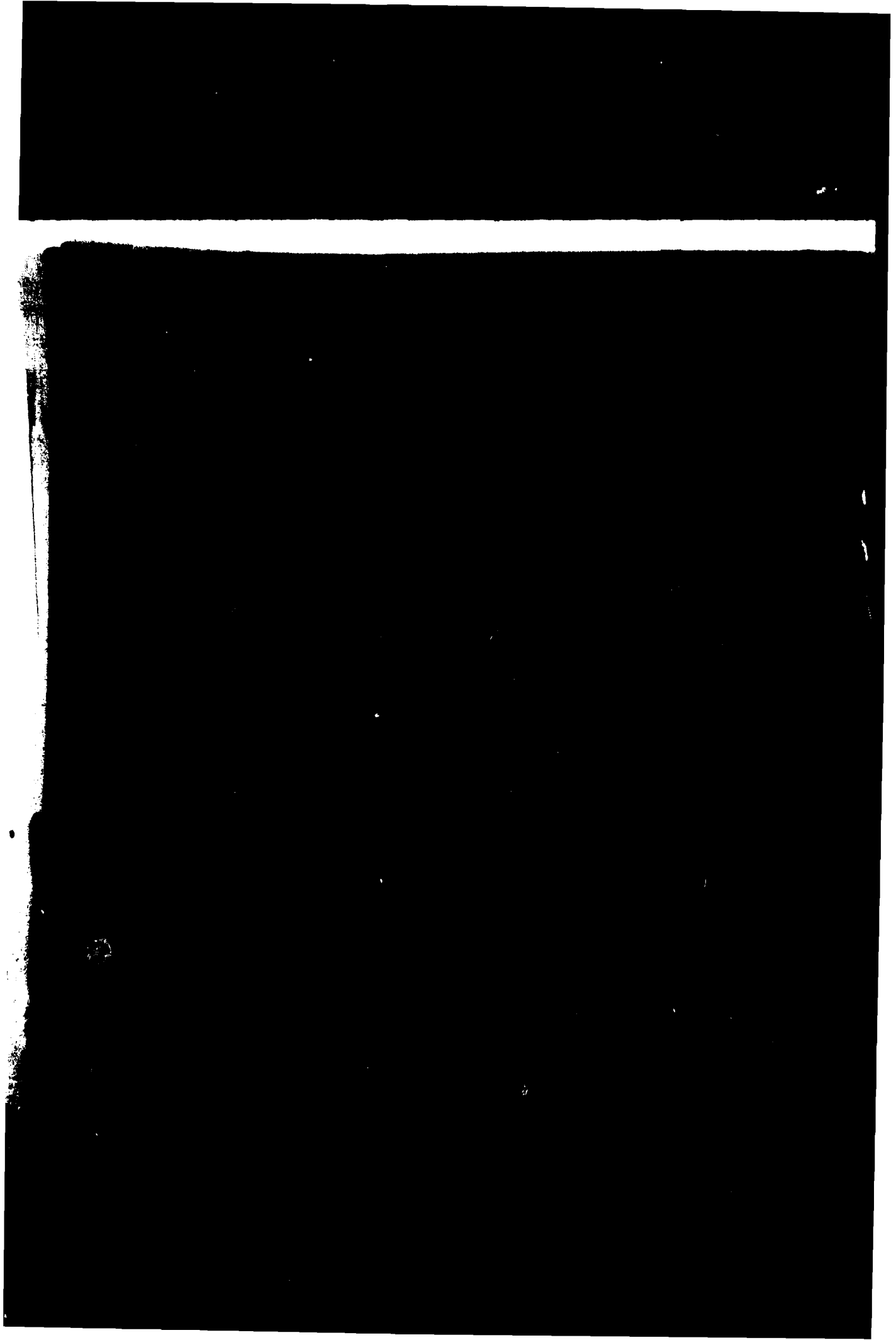
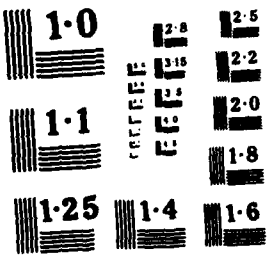
AD A147 206 O'HARE INTERNATIONAL AIRPORT CHICAGO REVISED UNIFORM SUMMARY OF SURFACE W..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84 1/6

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USAFETAC DS-84/33

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USAFETAC
Air Weather Service (MAC)

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PERIOD OF RECORD
SUMMARY OF
SURFACE WEATHER OBSERVATIONS

CHICAGO-O'HARE Int'l
N 41 59 W 087 54 ELEV 667 FT

WBAN #725300
CRD

PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 74 - DEC 83
SUMMARY OF DAY DATA: OCT 46 - DEC 83

TIME CONVERSION GMT TO LST: -6

01 OCT 1984

FEDERAL BUILDING
ASHEVILLE, N. C.

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This technical report has been reviewed and is approved for publication.

Wayne E McCollom

WAYNE E. MCCOLLOM
Chief, Document Reference Section
USAFETAC/LDX

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER: USAFETAC/DS- 84/033	2 GOVT ACCESSION NO. [illegible]
3 RECIPIENT'S CATALOG NUMBER	
4 TITLE and Subtitle: Revised Uniform Summary of Surface Weather Observations (RUSSWO)- O'HARE INTL, CHICAGO, ILLINOIS	5 TYPE OF REPORT & PERIOD COVERED: Final rept.
	6 PERFORMING ORG REPORT NUMBER
7 AUTHOR(s)	8 CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS: USAFETAC/OL-A, Air Force Environmental Technical Appl. Center, Scott AFB IL 62225	10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11 CONTROLLING OFFICE NAME AND ADDRESS: USAFETAC/CBD, Air Weather Service (MAC), Scott AFB IL 62225	12 REPORT DATE: OCT 84
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16 DISTRIBUTION STATEMENT (of this Report)

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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18 SUPPLEMENTARY NOTES

19 KEY WORDS (Continue on reverse side if necessary and identify by block number)

*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)

20 ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report is a six-part statistical summary of surface weather observations for O'HARE INTL, CHICAGO, ILLINOIS.

It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

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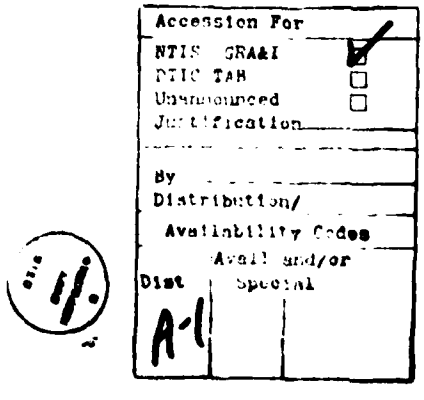
19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* ILLINOIS * CHICAGO

*O'HARE INTL

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.



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REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A	WEATHER CONDITIONS	PART E	DAILY MAX, MIN, & MEAN TEMP
	ATMOSPHERIC PHENOMENA		EXTREME MAX & MIN TEMP
PART B	PRECIPITATION		PSYCHROMETRIC-DRY VS WET BULB
	SNOWFALL		MEAN & STD DEV - (DRY BULB, WET BULB, & DEW POINT)
	SNOW DEPTH		RELATIVE HUMIDITY
PART C	SURFACE WINDS		
PART D	CEILING VERSUS VISIBILITY	PART F	STATION PRESSURE
	SKYCOVER		SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY	APRIL	JULY	OCTOBER
FEBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

STATION LOCATION AND INSTRUMENTATION HISTORY

AWS WBAN NO.	NAME OF STATION	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
725300	CHICAGO/O'HARE IAP IL	N 41 59	W 087 54	667	ORD	72530

CHG NO.	GEOGRAPHICAL LOCATION AND NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT BARO	
1	Chicago/Park Ridge, IL	AWS	Oct 46	Oct 58	N 41 59	W 087 54	610	Unk	24
2	Chicago/O'Hare IAP IL	NWS	Oct 58	Aug 84	Same	Same	667	692	24

CHG NO.	DATE OF CHANGE	SURFACE EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Sep 49	In CAA control tower	Unkn	Unkn	Unkn	
2	Jun 53	Top of hangar adjacent taxiway	AN/GMQ-1	ML-204-B	62 Ft	
3	Apr 55	Hangar roof 10 ft N Wea Stn	Same	Same	79 Ft	
4	Dec 57	1300 ft NW of Wea Stn	Same	Same	45 Ft	
5	Nov 58	Roof of Penthouse Bldg	WSO-301	WSO-301	65 Ft	
6	Dec 60	3300 ft SW Penthouse on field	F420-C	F313	20 Ft	F102, F005+65 Ft since Jul 80
7	Aug 84	Same	Same	Same	Same	

AWS Form 2
NOV 83

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A

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
MEANS FOR HOURLY OBSERVATION

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	OBS
TOTALS													

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WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

MONTH	HOURS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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AL CLIMATOLOGY [illegible]
[illegible]
[illegible] SE-WIC[illegible] AF

WEATHER CONDITIONS

[illegible] CHICAGO-O'HARE TAP TL | 74-83 | SEP
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (EST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	1-12	1.1	11.7		2.4		14.4	.8	2.3	.3		11.3	900
	7-[illegible]	1.1	11.4		3.1		14.1	1.4	4.1			13.4	[illegible]
	[illegible]-[illegible]	.1	11.1		2.7		14.1	12.7	11.6			21.9	[illegible]
	[illegible]-18	.9	11.3	.7	2.3		15.4	1.2	1.1			16.4	[illegible]
	19-24	1.1	12.4		2.1		14.1	7.6	9.2	.2		15.6	[illegible]
	19-17	1.2	11.4		1.7		13.2	6.6	6.1	.7	.2	12.6	[illegible]
	[illegible]-21	1.7	12.9		2.1		14.4	5.8	6.3	.7	.1	12.7	[illegible]
	1-23	1.2	12.1		3.3		15.1	5.7	3.7	.7	.4	1.3	[illegible]
TOTALS		.6	1.1	.1	2.7		14.2	5.7	6.8	.3	.1	14.5	[illegible]

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[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible] | [illegible]-CHICAGO-O'HARE IAP IL | 74-83 | MAY
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	[illegible]	1.2	[illegible]				[illegible]	1.6	[illegible]			14.4	930
	[illegible]	.4	[illegible]				[illegible]	14.7	7.4			[illegible]	930
	[illegible]	.4	[illegible]				[illegible]	15.9	15.5		.1	[illegible]	930
	[illegible]	.2	[illegible]				[illegible]	9.0	12.4			19.8	930
	12-14	.4	[illegible]				[illegible]	5.4	7.8			[illegible]	930
	15-17	.4	[illegible]				[illegible]	5.3	[illegible]		.3	[illegible]	930
	[illegible]	1.8	1.4				10.4	7.6	8.3		.3	14.7	930
	21-23	1.4	10.8		.1		[illegible]	9.2	5.7		.2	14.	930
TOTALS		.9	[illegible]		.1		[illegible]	[illegible]	8.7		.1	17.1	7440

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[illegible]
[illegible] WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 [illegible]-ICAGO-O'HARE IAP IL | 74-83 | JUN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
J[illegible]	[illegible]-[illegible]	1.4	4.4				4.4	6.3	7.8			13.2	[illegible]
	[illegible]-[illegible]	[illegible].2	7.2				7.2	12.7	11.3			21.[illegible]	[illegible]
	[illegible]-[illegible]	1.[illegible]	7.8				7.8	12.2	17.2			26.[illegible]	[illegible]
	[illegible]-[illegible]	.[illegible]	[illegible].[illegible]				[illegible].1	5.4	15.4			19.4	[illegible]
	[illegible]-[illegible]	.1	[illegible].[illegible]				5.5	1.1	[illegible].[illegible]			13.[illegible]	[illegible]
	[illegible]-17	1.5	7.9				7.9	1.6	[illegible].2			[illegible].4	[illegible]
	[illegible]-[illegible]	.[illegible]	7.9				7.9	2.7	[illegible].[illegible]			12.4	[illegible]
	1-2[illegible]	1.4	[illegible].1				[illegible].[illegible]	4.1	[illegible].[illegible]			[illegible].[illegible]	[illegible]
TOTALS		1.[illegible]	6.[illegible]				[illegible].[illegible]	5.8	11.5			15.[illegible]	[illegible]

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[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible]EATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible] | [illegible] CHICAGO-O'HARE TAP IL | 74-82 | JUL
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	[illegible]-[illegible]	1.4	4.9				4.5	6.9	13.9			17.5	93[illegible]
	[illegible]-[illegible]	2.1	5.3				[illegible].3	1.0	16.9			23.4	93[illegible]
	[illegible]-[illegible]	1.4	6.7				6.7	3.4	27.4			32.6	93[illegible]
	[illegible]-11	.5	5.3				5.9	3.2	[illegible].2			22.9	[illegible]
	12-14	.2	5.1				[illegible].[illegible]	1.6	14.7			15.[illegible]	93[illegible]
	[illegible]-17	1.1	4.5				4.5	1.5	12.2			13.[illegible]	93[illegible]
	[illegible]-21	1.1	4.1				4.7	1.2	15.4			16.[illegible]	93[illegible]
	1-23	1.3	5.0				[illegible].6	2.8	14.7			16.2	93[illegible]
TOTALS		[illegible].2	[illegible].4				[illegible].1	[illegible].[illegible]	17.[illegible]			19.[illegible]	744[illegible]

USAPETAC FORM JULY 64 0 10 5(OL &), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
[illegible]	[illegible]	3.[illegible]	[illegible]				[illegible]	9.9	17.[illegible]			[illegible]	93[illegible]
	[illegible]	2.[illegible]	[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	93[illegible]
	[illegible]	.[illegible]	[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	93[illegible]
	[illegible]	.[illegible]	[illegible]				[illegible]	6.9	[illegible]			[illegible]	93[illegible]
	[illegible]	.[illegible]	[illegible]			.[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	93[illegible]
	[illegible]	.[illegible]	[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	93[illegible]
	[illegible]	1.[illegible]	[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	93[illegible]
	[illegible]	1.9	[illegible]				[illegible]	[illegible]	[illegible]			[illegible]	93[illegible]
TOTALS		1.[illegible]	[illegible]			.	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]

USAPETAC FORM MAY 66 0-10 5(OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

[illegible] FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
	[illegible]	1.7	7.5				7.3	3.6	8.[illegible]			14.[illegible]	9[illegible]
	[illegible]	.8	[illegible].7				[illegible].7	11.9	1[illegible].5			19.6	9[illegible]
	[illegible]	.4	[illegible].3				6.8	21.3	21.6			34.[illegible]	9[illegible]
	[illegible]-11	.2	[illegible].6				5.6	6.1	16.8			21.[illegible]	9[illegible]
	12-14	.5	[illegible].7				[illegible].7	2.4	9.[illegible]			[illegible].[illegible]	9[illegible]
	15-17	.9	[illegible].7				[illegible].7	3.7	3.[illegible]			1.[illegible]	9[illegible]
	[illegible]-20	1.1	4.9				4.9	4.[illegible]	[illegible].3			11.5	9[illegible]
	21-23	1.1	[illegible].4				6.4	5.6	7.3			11.4	9[illegible]
TOTALS		.9	[illegible].5				6.5	8.[illegible]	11.2			16.[illegible]	7200

USAFETAC FORM [illegible] 0-10 5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] FACILITIES SERVICE/AL

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	CHICAGO-O'HARE INTL	74-87	OCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	7-10	.2	7.3				7.5	5.2	3.5			9.5	930
	10-13	.1	7.4		.1		7.5	12.7	4.8			15.3	93[illegible]
	13-16		7.1		.1		7.4	15.7	11.3			24.3	93[illegible]
	16-19		6.4		.1		6.7	7.3	1.5			16.8	93[illegible]
	19-22	.2	7.1		.1		7.4	4.7	6.3			9.9	93[illegible]
	22-1	.2	7.3				7.4	4.7	5.5			9.5	93[illegible]
	1-4	.3	8.5		.1		8.7	5.3	5.7			10.3	93[illegible]
	4-7	.1	6.3		.1		6.4	6.2	4.4			9.8	93[illegible]
TOTALS		.1	6.3		.1		6.5	6.1	6.5			13.2	7443

USAPETAC FORM AAT-64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	25-83	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
[illegible]	[illegible]		[illegible]	.1	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	.3	[illegible]	.3	[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	.1	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	12-14		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	.2	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]	.2	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
	[illegible]-23	.3	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	.1		[illegible]	[illegible]
TOTALS		.1	[illegible]	.1	[illegible]		[illegible]	12.3	[illegible]	.1		[illegible]	[illegible]

USAPETAC FORM MAY 64 0 10 5(OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY [illegible]
[illegible]

WEATHER CONDITIONS

[illegible]	CHICAGO-O'HARE TAP IL	74-83	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-24	.3	7.4	1.1	14.7		24.3	16.5	3.8	1.1		27.5	93
	01-24		5.3	.9	17.3		24.7	17.0	7.1	1.3		27.4	93
	02-24	.3	5.4	.9	14.2		21.5	17.8	6.2	1.2	.1	25.7	93
	03-24		5.4	.2	15.4		21.8	14.4	10.8	1.1		26.5	93
	12-24		5.1	.3	14.4		21.4	14.6	12.4	.5		25.1	93
	13-24	.3	5.7	.5	12.4		18.1	14.3	7.5	1.1		21.4	93
	14-24	.3	7.1	.4	13.1		21.1	14.1	4.4	.6		19.1	927
	15-24	.5	6.4	1.1	13.4		22.3	15.2	5.4	.3		20.4	927
TOTALS		.1	7.3	.4	14.1		21.4	16.4	6.5	1.1	.1	22.1	7438

USAFETAC FORM 0-10 5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

WEATHER CONDITIONS

[illegible] | [illegible] | 74-83 | ALL
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.1	3.4	1.1	18.0		27.2	11.6	9.7	2.4		21.7	7443
[illegible]		.1	3.3	.3	16.1		27.4	12.3	11.4	.4		21.7	6768
[illegible]		.1	4.9	.5	3.5		16.9	14.3	8.4	.1		20.4	7443
[illegible]		.1	17.1	.7	2.1		19.2	.5	6.3	.3	.1	14.5	7203
[illegible]		.4	3.2		.1		3.3	4.7	6.7		.1	17.2	744
[illegible]		1.4	6.5				7.6	5.8	11.5			15.3	7203
[illegible]		.2	.1				7.1	4.8	17.			15.3	744
[illegible]		1.4	7.1			.1	7.2	7.8	20.2			24.5	744
[illegible]		.1	2.3				2.5	3.3	11.2			16.1	7203
[illegible]		.1	.1		.1		3.7	5.	0.5			13.2	744
[illegible]		.1	3.4	.1	7.7		12.6	12.3	2.1	.7		19.1	7203
[illegible]		.1	7.2	.6	14.5		21.4	16.4	0.3	1.3	.3	22.1	7434
TOTALS		.6	7.3	.2	5.1	.1	12.4	9.9	1.5	.4	.1	18.9	87447

USAPETAC FORM AAT 64 0-10 5(OL ALL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION | STATION NAME | YEARS | ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	1.2	23.1	0.8	52.7	.2	62.9	33.8	55.1	8.9		66.	1147
FEB		.2	23.5	5.1	46.6	.4	57.1	33.9	55.2	4.9	.1	64.3	1045
MAR		6.9	36.2	2.8	38.1	.3	53.5	36.3	54.5	4.3		64.3	1147
APR		11.1	32.6	.5	11.5	1.4	54.1	34.1	49.5	.6		57.1	1110
MAY		14.7	51.5		1.1	1.7	48.2	33.5	49.3		.1	56.6	1147
JUN		12.	47.5			.3	48.2	28.8	54.2		.2	59.1	1104
JUL		12.3	44.2			.6	43.1	31.2	58.			62.3	1114
AUG		15.7	41.1			.6	42.0	37.6	63.8			64.1	1116
SEP		14.	42.8		.2	.6	41.6	37.2	54.1			57.1	1079
OCT		4.7	39.5		2.4	.2	38.5	34.4	48.6			56.9	1147
NOV		1.7	35.9	.3	23.2	.2	48.9	36.2	46.8	1.5		59.9	1123
DEC		2.	29.4	6.7	44.9	.2	59.7	38.5	52.2	4.2		64.8	1177
TOTALS		10.4	36.9	2.7	19.4	.5	49.8	34.4	53.6	2.7	.1	61.9	13456

USAPETAC FORM JULY 64 0 10 5(OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE.

Continued on Reverse Side

[illegible] tables do not include measurements from incomplete months.

(1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:		U. S. Navy and National Weather Service (USWB)	
Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 57	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

2

GLOBAL CLIMATOLOGY BRANCH
ESSA/EDS
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

[illegible] CHICAGO-O'HARE IAP IL — 46-63
STATION — STATION NAME — YEARS

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02 .05	.06 .10	.11 .25	.26 .50	.51 1.00	1.01 2.50	2.51 5.00	5.01 10.00	10.01 20.00	OVER 20.00				MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 15.4	15.5 25.4	25.5 50.4	OVER 50.4							
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120							
JAN	[illegible].1	29.4	4.6	10.2	5.0	7.8	3.4	1.9	.8								73.7	1147	1.74	4.26	.17
FEB	[illegible].1	27.4	4.7	9.4	4.6	6.8	3.4	1.3	.3								7[illegible].5	1045	1.32	2.7[illegible]	.15
MAR	[illegible].0	21.9	4.7	8.1	5.9	7.9	5.6	4.[illegible]	1.3								77.5	1146	2.65	5.91	.63
APR	[illegible].1	16.8	3.1	[illegible].6	5.9	9.[illegible]	7.4	4.5	2.7								4[illegible].3	1110	3.65	7.69	.97
MAY	4[illegible].5	17.[illegible]	[illegible].[illegible]	[illegible].1	3.9	7.2	6.7	5.7	1.4	.2							74.[illegible]	1147	3.24	7.14	.43
JUN	[illegible].3	14.3	2.3	6.1	3.1	5.5	6.3	6.3	2.2	.3							72.9	1139	4.14	7.94	1.47
JUL	5[illegible].5	12.3	2.7	5.3	4.[illegible]	6.5	4.6	4.4	2.1	.1	.1						7[illegible].7	1138	3.87	9.[illegible]4	1.06
AUG	[illegible].4	13.5	2.3	4.5	2.7	5.4	5.3	4.3	2.7	.2							77.4	1137	3.34	9.54	.36
SEP	57.5	13.7	2.5	6.4	2.3	6.1	3.9	4.8	2.5	.4							[illegible]8.8	1096	3.22	11.44	.2[illegible]
OCT	5[illegible].3	14.6	3.2	5.[illegible]	3.5	5.4	3.3	2.6	1.5	.3							74.7	1167	2.32	9.55	.[illegible]7
NOV	4[illegible].4	19.9	3.[illegible]	6.6	4.5	6.1	6.8	3.2	.8								71.7	114[illegible]	2.3[illegible]	6.95	.65
DEC	[illegible].3	25.6	5.1	8.8	4.9	7.1	4.9	2.7	1.4	.2							74.0	1177	2.47	8.56	.23
ANNUAL	4[illegible].9	19.0	3.4	7.1	4.1	6.7	5.1	3.8	1.8	.1	.[illegible]						72.2	13559	34.22		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L RAL CLIMATOLOGY BRANCH
...RFETAC
...CATH... SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

...-1-2 CHICAGO-O'HARE IAP IL 46-83
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4									*	.77	.64	2.61	
4	-	.41	.17	.79	2.0	.64	2.44*	.24*	.92*	1.77*	1.31	1.01	.42	2.44
4	-	.76	.52*	.95	.73	1.10*	1.17*	.44	.32*	1.76	.11	1.00	.61	* 1.17
4	-	.6	.73	1.13	1.71	.83	3.59	1.93	.12	.55	1.79	.41	1.35	3.59
4	-	1.64	.73	1.37	.65	.73	2.89	1.75	1.04	1.74	1.30	.61	.68	2.89
4	-	.7	.73	1.75	1.1	1.94	1.35	2.51	1.3	1.91	.82	1.35	1.30	2.59
4	-	.74	.16	.96	1.34	.84	1.31	1.25	1.51	1.71	.31	.96	.56	1.51
4	-	.7	.48	.95	.55	.56	1.75	.94	.67	.74	.71	.67*	1.33	1.75
4	-	.75	.26	1.41	1.56	1.1	1.09*	1.61	1.18	.86	3.76	.35	1.29	3.76
4	-	1.12	.47	.68	.71	.92	1.47	.51	1.74	.75	2.24	.72	.77	2.24
4	-	.71	.41	.77	1.71	1.05	.44	.64	1.16	.29	.15	.44	.33	1.71
4	-	1.43	1.5	.77	.77	.84	1.73	5.6	.99	.72	1.72	.22	.75	5.60
4	-	.76	.13	.23	1.13	1.43	1.47	2.24	.64	.81	1.26	.65	.3	2.24
4	-	.7	.59	1.19	1.13	.54	.28	1.24	1.30	.83	1.72	1.33	.7	1.33
4	-	.6	.73	.42	1.58	1.05	.22	1.64	1.29	.50	.48	.37	.23	2.00
4	-	.15	.42	1.08	.49	.75	1.71	1.39	.43	2.85	1.49	.46	.7	2.88
4	-	.22	.29	.34	.42	.91	.58	2.84	1.02	1.09	.86	.33	.17	2.84
4	-	.39	.12	.77	1.67	.85	.65	1.28	1.10	1.36	.11	.87	.29	1.98
4	-	.21	.22	.71	1.37	.96	1.13	2.33	1.29	1.16	.79	1.50	.3	2.33
4	-	1.20	.40	.99	.61	.66	.89	1.76	1.11	1.13	.71	.89	1.77	1.77
4	-	.6	.77	.76	1.45	2.69	1.22	.75	.40	.22	.85	1.32	.66	2.69
4	-	.7	.52	1.25	.93	.67	3.09	.85	1.73	1.76	.89	.80	.99	3.09
4	-	.45	.53	.34	.80	.97	1.28	.65	3.43	1.16	.24	1.76	.83	3.43
4	-	.33	.5	1.77	.94	.96	1.50	.84	.27	1.32	4.25	.35	.5	4.25
4	-	.39	.29	.63	.93	2.11	1.79	1.59	.73	1.46	.75	.48	.71	2.11
4	-	.45	.12	.53	.13	.56	.40	1.26	2.30	.85	.38	.44	1.68	2.30
4	-	.35	.16	1.1	2.36	.71	1.26	.99	2.49	2.55	1.17	.95	1.1	2.55
4	-	.51	.74	.86	1.41	1.15	1.58	1.63	.32	2.03	.94	.38	1.12	2.03
4	-	1.00	.72	.98	1.17	.84	.97	1.58	.95	.46	1.1	.66	.43	1.58
4	-	1.63	.69	.51	1.1	.63	1.22	.55	3.48	.56	1.29	.7	1.55	3.48
MEAN														
S D														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 00 0-80-3 (OLA)

...L CLIMATOLOGY BRANCH
...ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

...STATION CHICAGO-O'HARE IAP IL STATION NAME 46-73 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
73	.[illegible]	1.22	1.62	2.09	1.[illegible]	.83	.73	.67	.97	.71	.59	.94	[illegible]
72	.14	.22	1.33	.89	.56	1.92	.29	1.34	1.27	.64	.75	.94	1.92
71	.44	.13	.[illegible]	.[illegible]3	.79	2.[illegible]4	1.7[illegible]	.64	2.93	.70	.50	1.[illegible]3	2.83
70	.22	.23	1.[illegible]7	1.75	1.3[illegible]	1.27	1.[illegible]3	2.24	.[illegible]22	.63	.91	1.49	2.24
[illegible]	.24	.[illegible]3	.45	.[illegible]4	1.[illegible]9	.70	1.[illegible]9	1.96	1.79	.56	.43	1.12	1.96
[illegible]	.[illegible]5	.86	.17	2.[illegible]4	3.45	1.62	1.7[illegible]	1.57	1.[illegible]0	.82	.75	.29	3.45
[illegible]	.55	.21	.91	.[illegible]3	.43	.96	[illegible].26	2.[illegible]6	.51	.69	1.62	4.47	4.47
[illegible]	.16	1.45	1.33	1.54	1.62	1.68	1.43	1.[illegible]2	1.[illegible]6	2.81	2.45	1.[illegible]3	2.81
MEAN	.655	.5[illegible]5	.844	1.[illegible]72	1.[illegible]58	1.[illegible]43	1.[illegible]53	1.[illegible]25	1.[illegible]11	1.[illegible]03	.820	.846	2.655
S D	.474	.331	.3[illegible]8	.[illegible]553	.627	.[illegible]705	1.[illegible]95	.[illegible]814	.672	.[illegible]734	.461	.[illegible]790	1.231
TOTAL OBS	1147	1[illegible]45	1144	11[illegible]3	1107	1109	1138	1137	1096	1167	1140	1177	13559

NOTE * (CALCULATED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 00 0-88-5 (OLA)

...L CLIMATOLOGY BRANCH
...ETAC
AT ...THER SERVICE/MAC

EXTREME VALUES

MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

...STATION CHICAGO-O'HARE IAP IL STATION NAME 46-83 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4									*	.77	2.34	2.04	
4	.61	.17	1.90	4.11	4.54	4.74*	1.38*	1.96*	2.66*	1.35	2.25	.62	*26.53
4	1.14	.77*	2.69	1.59	4.13*	2.13*	1.76	.39*	1.11	.27	2.61	3.7	*22.37
4	2.24	1.45	2.35	1.05	2.13	5.12	3.52	.36	1.21	2.53	1.13	3.90	27.93
4	4.24	2.62	2.16	1.42	.43	5.28	2.31	2.57	1.16	2.45	1.42	2.63	30.33
4	1.78	2.14	3.67	3.56	3.26	2.93	4.64	3.73	3.19	2.79	2.36	4.42	40.77
4	1.76	.38	2.87	2.66	2.13	4.21	2.39	3.23	1.23	.71	2.49	1.94	29.88
4	1.24	1.60	2.14	2.10	2.1	3.25	2.82	1.46	2.82	.77	1.23*	2.32	*24.42
4	1.41	1.34	4.27	5.23	2.77	2.68*	4.25	5.25	1.62	2.55	.96	2.6	*43.19
4	2.21	2.23	2.11	2.36	2.56	4.71	1.25	2.47	2.25	5.27	1.24	.94	31.95
5	.42	1.42	1.10	4.34	4.75	1.41	1.16	4.76	.55	.75	1.69	1.1	23.16
5	4.44	2.44	2.65	3.05	3.45	5.25	2.24	4.21	1.47	2.84	2.71	3.55	36.27
5	1.67	.34	.63	2.14	2.76	4.37	4.37	1.97	2.24	1.09	1.65	.72	25.45
5	1.21	1.16	2.39	2.44	2.44	1.68	5.16	2.13	1.91	4.24	3.57	1.99	32.24
5	2.17	2.75	1.17	2.2	2.46	4.26	4.27	3.46	1.39	1.73	.81	.41	28.23
5	.27	.68	4.71	2.47	2.15	4.20	2.66	1.34	11.44	2.24	1.76	1.32	36.78
5	2.24	1.14	1.73	1.14	3.24	2.13	5.27	1.62	1.5	.89	.71	.23	21.77
5	.54	.56	2.76	4.48	1.94	2.30	4.24	2.73	2.96	.73	2.12	.73	25.27
5	.71	.52	3.45	5.22	2.25	2.96	4.23	1.05	3.96	.16	2.90	1.51	29.74
5	4.11	1.18	3.76	3.48	2.36	3.44	3.66	6.41	5.22	1.57	1.47	2.32	39.18
5	1.79	1.75	2.44	6.28	4.77	2.95	2.19	1.10	.55	2.16	4.74	1.88	32.37
6	2.22	1.42	2.31	3.37	1.41	7.04	1.37	2.60	2.45	3.85	2.19	2.41	35.27
6	1.77	.97	.9	2.31	2.09	4.15	2.73	5.32	3.86	1.24	3.70	2.77	31.73
6	1.42	.12	1.63	4.02	3.17	7.79	2.43	.51	3.21	1.55	1.11	1.15	34.41
7	.91	.59	2.12	4.9	2.14	2.14	4.26	1.50	2.69	2.48	2.78	1.77	43.47
7	.93	1.64	1.54	.37	2.23	2.62	2.57	3.97	2.39	.74	1.32	5.37	27.57
7	1.71	.73	3.45	4.77	2.02	3.55	4.27	6.97	2.14	2.92	3.75	2.89	45.47
7	1.24	1.35	3.91	4.19	3.69	2.87	5.27	.67	6.21	2.86	1.57	3.71	38.12
7	3.99	2.11	2.41	4.27	5.19	4.69	2.96	2.60	1.47	1.98	2.47	2.12	35.35
7	3.69	2.48	2.72	5.53	3.4	5.27	2.19	7.37	.84	1.91	2.53	3.5	39.62
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AUG 66 0-88-3 (OLA)

...L CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

...D STATION CHICAGO-O'HARE INTL AP IL STATION NAME 46-83 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]	.95	1.17	[illegible].91	4.15	4.72	[illegible].23	1.44	1.23	1.45	1.41	.55	.64	26.56
[illegible]7	.65	.71	3.67	2.62	1.98	5.12	1.18	5.39	6.07	1.76	2.15	1.91	32.56
[illegible]	1.41	.83	1.16	3.94	[illegible].91	4.36	4.61	1.96	5.96	1.73	[illegible].24	4.41	37.35
[illegible]7	[illegible].12	1.12	4.49	4.12	2.56	4.63	[illegible].17	7.57	.02	1.49	2.83	[illegible].56	37.12
	1.[illegible]	1.24	1.96	3.41	[illegible].92	[illegible].42	[illegible].51	[illegible].54	[illegible].65	[illegible].[illegible]	1.10	[illegible].43	38.66
	[illegible].10	2.35	.53	6.14	5.[illegible]3	4.46	4.5[illegible]	6.6[illegible]	[illegible].2[illegible]	1.9[illegible]	2.46	1.[illegible]5	39.19
	[illegible].	.41	4.15	[illegible].78	[illegible].[illegible]	1.56	.33	[illegible].[illegible]	[illegible].[illegible]	1.93	6.95	[illegible].56	44.68
[illegible]	.66	2.[illegible]6	3.56	7.69	6.2[illegible]	4.11	4.25	[illegible].[illegible]a	5.41	4.4[illegible]	5.87	2.99	49.35
MEAN	1.[illegible]73	1.[illegible]13	[illegible].[illegible]48	3.[illegible]53	3.[illegible]23	4.143	3.[illegible]26	3.[illegible]39	3.[illegible]24	2.[illegible]17	2.[illegible]03	2.[illegible]47	34.[illegible]63
S D	1.[illegible]12	.[illegible]67	1.[illegible]37	1.[illegible]44	1.[illegible]47	1.[illegible]25	1.[illegible]79	2.[illegible]23	2.[illegible]63	1.[illegible]46	1.[illegible]12	1.[illegible]54	6.[illegible]93
TOTAL OBS	1147	1.[illegible]43	1148	1117	1147	1109	1139	1137	1.[illegible]61	1167	1145	1177	13559

NOTE: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 64 0-88-5 (OLA)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

STATION [redacted] CHICAGO-O'HARE IAP IL STATION NAME 46-53 YEARS

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02 .05	.06 .10	.11 .25	.26 .50	.51 1.00	1.01 2.50	2.51 5.00	5.01 10.00	10.01 20.00	OVER 20.00				MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 13.4	13.5 25.4	25.5 50.4	OVER 50.4							
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120							
JAN	47.5	27.1	9.9	8.5	3.2	1.6	.9	.5	.6	.2							25.4	1147	10.3	34.3	TRACE
FEB	7.2	24.7	9.7	6.6	3.5	.9	.7	.5	.3								22.1	1145	6.9	21.5	.8
MAR	1.7	22.1	6.7	4.7	1.7	1.1	.3	1.1	.3								16.2	1146	7.2	24.7	TRACE
APR	8.8	7.9	1.8	.6	.2	.5	.1	.1	.1	.1							3.2	1110	1.5	11.1	.0
MAY	9.1	.7			.1												.1	1147	TRACE	1.6	.0
JUN	[illegible]																	1109	.2	.0	.0
JUL	[illegible]																	1140	.2	.0	.0
AUG	[illegible]																	1146	.2	.0	.0
SEP	9.8	.2																1095	TRACE	TRACE	.0
OCT	7.8	1.7	.2		.2	.1	.1										.5	1172	.3	6.6	.0
NOV	17.2	15.1	3.4	2.3	1.0	.5	.2	.1									7.7	1139	2.3	11.4	TRACE
DEC	45.6	22.8	9.7	6.3	2.4	1.7	1.0	.9	.6								21.6	1178	9.5	43.3	.2
ANNUAL	41.7	1.2	3.4	2.4	1.2	.5	.3	.3	.2	.0							8.1	13574	38.1		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

STATION [illegible] STATION NAME CHICAGO-O'HARE IAP IL 46-63 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46											TRACE	3.0	
47	4.4	9.2	5.3	TRACE							2.7	4.	5.2
48	5.	1.6	5.5	TRACE							TRACE	3.	5.5
49	TRACE	3.6	TRACE	TRACE							3.3	2.	3.6
50	3.4	3.9	1.5	TRACE							1.	5.3	5.3
51	3.5	2.2	4.5	1.2							4.4	10.	10.0
52	5.5	1.3	7.1	.4						TRACE	TRACE	1.	7.1
53	1.5	2.3	4.	TRACE							2.2	2.1	4.0
54	2.6	.6	6.4	TRACE	TRACE						1.2	4.	6.4
55	3.1	4.7	1.1							TRACE	1.9		4.7
56	.9	2.7	.4	.1							.8	3.	3.
57	.1	1.6	1.8	.4						2.2	1.0	3.	10.1
58	7.6	1.1	1.4	TRACE							.4	3.	7.6
59	4.	1.	.3	.4						.3	3.3	4.6	4.6
60	2.	5.	5.8	TRACE	TRACE					TRACE	.1	3.	5.8
61	1.	6.2	2.4	4.7						TRACE	2.6	7.4	7.4
62	8.	3.5	2.3	.7						TRACE	.3	2.	8.6
63	8.	2.4	4.	TRACE							TRACE	4.	8.2
64		2.6	7.4	TRACE						TRACE	1.6	4.1	7.4
65	4.4	6.7	6.8	TRACE						TRACE	.2	2.5	6.8
66	8.1	2.6	.4	TRACE	1.6					TRACE	.4	4.3	8.1
67	13.4	.4	4.1	3.4	TRACE				TRACE	4.	2.0	1.	13.4
68	3.	1.7	.8	.1							.6	3.4	3.8
69	1.	.8	2.5		TRACE						.7	9.9	9.9
70	2.5	2.9	5.8	4.							.1	1.4	5.8
71	4.7	.4	3.	.4	TRACE						1.0	.2	4.7
72	2.	1.8	6.4	2.9						.1	.5	4.9	6.4
73	.9	4.4	2.	.2	TRACE						TRACE	4.5	4.5
74	2.7	2.6	.5	TRACE							.9	3.7	3.7
75	1.8	3.7	2.7	1.7							5.	3.	10.7
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

725340 STATION — CHICAGO-O'HARE INTL AP IL STATION NAME — 45-83 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	2.7	.8	1.5	.8	TRACE	.1	.1	.1	.	1.6	.2	2.7	2.7
77	1.2	2.2	2.4	TRACE	.1	.2	.1	.2	.1	.2	3.3	5.2	5.2
78	6.5	1.9	1.7	.2	.1	.1	.2	.2	.	.1	2.6	1.1	11.1
79	15.1	2.1	.8	.1	.1	.2	.2	.2	.1	.1	2.4	.5	15.3
80	1.7	3.9	3.2	2.2	.1	.1	.1	.1	.	TRACE	1.1	2.1	3.9
81	.1	9.7	1.1	.2	.1	.2	.1	.2	.1	TRACE	.2	2.1	9.7
82	5.4	2.6	8.5	9.4	.	.1	.	.1	.	.	.4	.5	9.4
83	1.4	3.8	3.1	1.2	.1	.2	.1	.2	.1	.2	.7	3.8	3.8
MEAN	4.71	2.99	3.23	1.18	.24	.20	.10	.10	TRACE	.22	1.33	3.64	6.27
S D	3.513	2.031	2.382	2.469	.263	.09	.09	.09	.04	.776	1.317	2.424	3.276
TOTAL OBS	1147	1049	1159	1113	1147	1139	1149	1146	1095	1172	1139	1178	13

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OLA)

...L CLIMATOLOGY BRANCH
...ETAC
AT... WEATHER... OF VIC... AFB

EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

... STATION ... STATION NAME ... YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
...											TRACE	6..	
...	3..	2..	7..	TRACE	..	..	..	..	..	..	4.3	6..	* 29.1
...	6..	1..	7..	TRACE	..	..	..	..	..	..	TRACE	6..	* 21.7
...	TRACE	5.5	TRACE	TRACE	..	..	..	..	..	..	3..	6.5	15.2
...	3..	12.2	2.7	TRACE	..	..	..	..	..	..	2..	15.4	45.6
...	11..	..5	7.7	1.2	..	..	..	..	..	..	11.4	43.3	6..6
...	11..	3..	14.2	.6	..	..	..	..	..	TRACE	TRACE	3..	32.8
...	4..	2.7	7..	TRACE	..	..	..	..	..	..	3.7	3.2	2..5
...	6..	..	14..	TRACE	TRACE	..	..	..	..	..	2.4	11.6	36.1
...	9..	7..	1.7	..	..	..	..	..	..	TRACE	5.2	1.6	* 24.5
...	2.4	..4	1.2	.1	..	..	..	..	..	..	..6	7..	27.9
...	24.5	4.2	2.4	.4	..	..	..	..	..	2.2	1.7	8.5	42.9
...	1..6	2..	4.2	TRACE	..	..	..	..	..	..	.4	12.7	32.9
...	1..6	2.7	2.9	.4	..	..	..	..	..	.3	12.4	6.9	38.9
...	3..	17.3	13.5	TRACE	TRACE	..	..	..	..	TRACE	.1	4..	38.4
...	3..	6.5	2.4	6.9	..	..	..	..	..	TRACE	..0	12.7	31.5
...	12.6	1..7	5.7	.7	..	..	..	..	..	TRACE	.3	2.3	37.6
...	16..	..4	7.5	TRACE	..	..	..	..	..	..	TRACE	8.9	41.6
...	1..	6.9	19.8	TRACE	..	..	..	..	..	TRACE	..3	11.1	4..7
...	11.7	11.5	24.7	TRACE	..	..	..	..	..	TRACE	.2	6.6	54.7
...	1..6	4.3	.7	TRACE	1.6	..	..	..	..	TRACE	.5	8.4	31.0
...	2..4	21.5	8.8	3.4	TRACE	..	..	..	TRACE	6.6	2.4	2.9	7..7
...	1..4	3..	1.5	.2	..	..	..	..	..	..	.7	10.9	27.4
...	3.7	2.3	4.7	..	TRACE	..	..	..	..	..	2..	19.3	32.0
...	9..	6.3	11.3	1.2	..	..	..	..	..	..	.2	2.7	37.7
...	1..	1.4	8..	.8	TRACE	..	..	..	..	..	1.3	..	21.7
...	7.6	7.7	16.3	3.3	..	..	..	..	..	.1	.9	11..	47.6
...	.5	9.3	3.4	.2	TRACE	..	..	..	..	..	TRACE	18.3	32.2
...	7.4	..6	1.4	TRACE	..	..	..	..	..	..	1..	9.4	28.8
...	3.5	..2	4.5	11.1	..	..	..	..	..	..	8.4	6.8	4..5
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 66 0-88-5 (OLA)

...AL CLIMATOLOGY BRANCH
...ETAC
AT...HER SERVICE/MAC

EXTREME VALUES

MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

...3... (STATION) CHICAGO-O'HARE INT'L (STATION NAME) 46-63 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
...	...	1..	1.9	.8	TRACE	..	..	..	..	1.6	.5	6..	22.9
...	7...	4..	4.4	TRACE	..	..	..	..	..	..	5.2	12.7	34..
...	21.	7.9	4.5	.2	.	..	..	..	.	..	5.2	35.3	75..
...	14.3	6.6	2..	.1	..	..	..	..	..	..	4..	..	48.1
...	..	14.7	11..	4..	.	..	..	..	..	TRACE	5.1	9.7	51.5
...	2..	15.9	2.3	..	..	..	..	..	..	TRACE	3.6	4.9	28.7
...	11.1	4..	14..	1..	..	..	..	..	.	..	.4	2.1	53.3
...	5..	6.9	9..	1.2	..	..	..	..	..	..	1..	16.5	41.6
...													
...													
...													
...													
...													
...													
...													
...													
...													
...													
MEAN	...24	6.92	7.17	1.49	.04	.00	.00	.00	TRACE	.29	2.35	9.57	39.26
S D	7.81	4.885	5.645	2.9..	.265	....	....	....	....	1.154	2.749	8.688	14.927
TOTAL OBS	1147	1145	1146	1111	1147	1119	1140	1146	1.95	1172	1139	1176	13578

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 46 0-88-5 (OLA)

L AL CLIMATOLOGY BRANCH
ETAC
AT HEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

STATION: [illegible] CHICAGO-O'HARE IAP IL — STATION NAME — 46-83 — YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02 .05	.06 .10	.11 .25	.26 .50	.51 1.00	1.01 2.50	2.51 5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 15.4	15.5 25.4	25.5 50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	2.3	24.2	13.3	8.1	7.3	14.2	6.9	2.6	.4					52.8	1147			
FEB	12.4	21.7	9.5	7.1	6.5	16.6	5.1	3.8	.4					48.9	1045			
MAR	61.3	19.5	5.1	2.7	3.8	5.5	2.4	.1						19.5	1147			
APR	84.3	3.7	.7	.5	.5	.4	.2							2.3	1110			
MAY	99.7	.2	.1											.1	1147			
JUN	100.0														1109			
JUL	100.0														1131			
AUG	100.0														1141			
SEP	99.9	.1													1093			
OCT	99.5	.5	.1	.1	.1									.3	1172			
NOV	85.3	10.1	1.7	1.4	.8	.8	.1							4.7	1140			
DEC	72.2	26.3	9.9	5.7	4.4	6.8	3.1	.9	.1					27.8	1178			
ANNUAL	77.9	8.8	3.8	2.1	1.9	3.7	1.5	.6	.1					13.3	13561			

1210 WS FORM JUL 64 0-15-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

[illegible] STATION CHICAGO-O'HARE IAP IL STATION NAME 46-83 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46												3	
47	-	5	2	2	TRACE	-	-*	-*	-*	-*	5	4	8
48	-	-	-	6	-	*	-*	-*	-*	-	-	4	6
49	-	1	6	TRACE	-	-	-	-	-	-	1	2	6
50	-	-	8	3	TRACE	-	-	-	-	-	3	1	10
51	-	5	8	6	1	-	-	-	-	-	9	25	25
52	-	5	2	7	TRACE	-	-	-	-	-	-	3	7
53	-	-	1	4	-	-	-	-	-	-	2	6	8
54	-	-	2	7	-	-	-	-	-	-	1	5	9
55	-	-	4	1	-	-	-	-	-	-	2	1	5
56	-	-	-	1	TRACE	-	-	-	-	-	1	3	5
57	-	1	5	5	TRACE	-	-	-	-	2	1	-	12
58	-	1	13	-	-	-	-	-	-	-	TRACE	6	13
59	-	-	-	1	-	-	-	-	-	TRACE	3	5	8
60	-	-	-	11	-	-	-	-	-	-	TRACE	4	11
61	-	-	5	2	5	-	-	-	-	-	2	5	8
62	-	11	9	3	TRACE	-	-	-	-	TRACE	TRACE	-	11
63	-	-	6	5	TRACE	-	-	-	-	-	TRACE	4	8
64	-	-	3	6	3	-	-	-	-	-	1	7	7
65	-	4	10	9	TRACE	-	-	-	-	TRACE	TRACE	3	20
66	-	7	4	TRACE	TRACE	1	-	-	-	-	TRACE	4	7
67	-	21	27	8	3	TRACE	-	-	TRACE	3	TRACE	1	27
68	-	5	2	TRACE	TRACE	-	-	-	-	-	TRACE	4	5
69	-	7	-	1	2	-	-	-	-	-	TRACE	1	10
70	-	7	2	8	2	-	-	-	-	-	TRACE	1	8
71	-	5	3	3	1	-	-	-	-	-	TRACE	TRACE	3
72	-	3	4	6	3	-	-	-	-	-	TRACE	4	6
73	TRACE	4	2	TRACE	TRACE	-	-	-	-	-	2	12	12
74	-	7	5	TRACE	1	-	-	-	-	-	1	3	7
75	-	4	5	4	11	4	-	-	-	-	6	3	11
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC [illegible] 0-88-5 (OLA)

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

[illegible] STATION CHICAGO-O'HARE IAP IL STATION NAME 46-83 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]			4	1						1	TRACE	4	6
[illegible]77	[illegible]	[illegible]	5	2	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	6
[illegible]7	1[illegible]	[illegible]	13	5	[illegible]	[illegible]	[illegible]	[illegible]			4	9	13
[illegible]7	[illegible]	[illegible]	12	7	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	28
[illegible]			5	4	1	[illegible]		[illegible]			1	[illegible]	5
[illegible]	[illegible]	[illegible]	12	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	12
[illegible]	[illegible]	[illegible]	7	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	1	12
[illegible]8	[illegible]	[illegible]	4	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	6
MEAN	5.1	9.1	4.2	1.1	.1	.1	.0	.0	TRACE	.0	1.3	4.7	9.9
S D	5.711	5.152	4.[illegible]6	2.195	.164	.[illegible]0	.[illegible]06	.[illegible]03	.000	.601	2.023	4.360	6.222
TOTAL OBS	1147	1045	1147	1111	1147	11[illegible]7	1131	1141	1[illegible]3	1172	1140	1178	13560

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AM 04 0-88-5 (OLA)

L...BAL CLIMATOLOGY BRANCH
USETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

...3... CHICAGO-O'HARE IAP IL 62-66 YEARS
STATION STATION NAME

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
								*SW	*37*SW	*...W	29WSW	42...	3...	
	...	*...W	34SS...	39WSW	47S...	20N	46NNE	*7W	36NNE	44WNW	*3ESW	21S	...	WSW 47
	...SW	41S...	44NNE	43WSW	43W	44SW	*6NNW	41SSW	31S	42S	*4SSW	48NE	...	NNE 63
	...	...N	...S...	41S...	50S...	47S...	37NNW	30NW	41SW	42NNW	*3W	40NNE	...	SW 62
	...	...S	...S...	43...	39WSW	36NNE	29W...	42WSW	34W	3...W	*5N	*9S...	27	SW 43
	...S...	4...SW	47N	30WSW	...SSW	*0S	33NE	*2W	37N	29SSW	46WNW	30W	...	WSW 55
	...	*1...W	37SSW	41S	48SSW	47WNW	34NNW	30WNW	40WNW	*7WSW	*2NE	43WNW	47	S 40
	...	...SW	*EW	*2NNE	42WNW	3...SW	39WSW	43S	34WSW	26NE	26ESE	*...NW	3...	... NNE 42
	...	...SW	*7N	*...NE	3...W	...WSW	*7WSW	41WSW	36WSW	31WSW	29SSE	*7N	4...W	47 W 47
	...	...	3...W	47WSW	43S...	36S...	*4NW	*8N	34N	42S	33SSW	52S	44S...	46... SSW 50
	...	...	44NW	34W	*9NE	26S...	*4SW	4...W	44NW	46W	4...W	*...NE	34S...	3... NW 46
	...	...	*4...	3...	31S...	40W	3...SW	29SW	31SW	29S	28SSW	*2SSE	36E	... SW 43
	...	...	*...N	41S...	43S	43W	34W	*6NW	44SW	47N	32S	*4S	31N	31 NW 48
	...	...	45W	44NE	33S...	44S	34SW	46SW	5...S	37NE	33SW	*4...W	45E...	34... SW 50
	...	...	...W	*7S...	42W	39S...	*7SW	*6NW	34S	25S	27S	30S	3...W	3... SW 42
	...	...	...E	5...W	46SW	41S...	30N	55W	32S	37W	*2SW	*2S	32NW	*...* N 55
	...	...	...N	42S	37W	38N	4...W	42NW	*2W	45E	36SW	27SW	38S	34 W 45
	...	...	*6N	*4W	*5...	58N	37NE	30S	27N	38N	26SW	*4NE	*2...	40... W 58
	...	...	43E	39N	39NE	42W	26N	36N	66SW	33NW	20NW	*6SW	39S	37 N 66
	...	...	4...W	4...N	*9S	44NE	4...S	*4NE	2...S	26W	*4S	*4W	36S	*... S 44
	...	...	...W	...E	42W	49S	*5W	*8SW	*7N	*9NW	2...W	4...S	37S	64 S 58
	...	...	...E	...E	*7SW	44N	5...S	31N	*6...NE	47W	*4SW	*3S...	46W	*... N *6...
MEAN	*...*	37.*	4...4	43.8	32.1	*7.8	*7.1	36.5	*3...	34.4	37.1	36.4		42.*
S D	.15*	5.696	6.572	6.920	5.30...	6.137	9.467	6.867	6.495	5.619	5.597	7.676		*.342
TOTAL OBS	*61	593	645	627	65	630	643	656	663	6*5	660	6*2		7778

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM AA 60 0-88-5 (OLA)

... (BASED ON LESS THAN FULL MONTHS AND *1... KNOTS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

Presented in this part are various tabulations of surface wind follows:

*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] CHICAGO-O'HARE IAP IL — 74-83 (YEARS) — JAN (MONTH)

ALL WEATHER (CLASS) — 0000-0200 (HOURS (L S T))

CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.1	2.7	1.3	.2	.1	.1					[illegible]	10.2
NNE	.	.4	1.7	.4	.2							[illegible]	9.0
NE			.	.9	.4							1.[illegible]	13.4
ENE		.1	.	.3	.1							1.4	11.2
E		.	.	.6	.2							1.3	12.0
ESE	.	.	.	.4	.1							1.[illegible]	8.5
SE	.	.	1.1	.5	.1							2.[illegible]	8.2
SSE	.1	1.2	1.7	1.[illegible]								3.5	8.3
S	.	1.[illegible]	4.1	1.6	.6	.1						[illegible].7	9.1
SSW		1.[illegible]	2.3	1.3	.4	.1	.2					[illegible].2	11.1
SW	.	2.[illegible]	2.[illegible]	.7	.1							7.6	8.1
WSW	.	2.7	5.7	1.6		.4						11.[illegible]	8.4
W	1.1	.6	6.6	5.7	1.7	.6						21.3	9.6
WNW	.	1.7	7.1	2.9	.1	.1						[illegible].4	9.7
NW		1.4	3.[illegible]	2.6	.5							[illegible].5	9.5
NNW		.[illegible]	2.[illegible]	2.3	.1	.2						5.7	11.2
VARBL													
CALM												2.5	
	4.0	22.5	33.6	21.4	5.1	1.7	.3					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM [illegible] 0-83 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L CAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] CHICAGO-O'HARE IAP IL — STATION NAME
YEARS: 74-77
MONTH: JAN
CLASS: ALL WEATHER
CONDITION:
HOURS (L S T.): 0700-0900

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.0	3.1	1.8	.6							6.6	10.3
NNE	.1	.3	.2	.7	.3							1.9	9.6
NE		.2	1.2	.4	.2							2.0	10.7
ENE			.1	.2	.2							1.1	11.2
E	.1		.5	.3	.3							1.3	11.3
ESE	.1	.1	.2	.3								1.2	7.4
SE	.1	.4	1.2	.6								2.3	8.4
SSE		1.2	2.1	.5								4.0	8.1
S	.1	2.4	2.8	2.8	.6							9.0	9.8
SSW	.1	1.2	2.0	2.4	.5	.1	.2					6.8	10.6
SW	.4	2.0	2.4	1.7		.2	.1					6.9	8.9
WSW	.2	2.4	3.1	1.9	.6	.1						8.6	9.1
W	.4	4.6	8.8	5.2	1.1	.5						20.6	9.7
WNW	.2	1.7	4.3	1.5	.9							8.7	9.5
NW	.2	1.7	2.9	2.2	1.2							8.2	10.4
NNW	.1	1.4	2.3	1.9	.5							6.2	10.1
VARBL													
CALM												4.4	
	.1	21.5	39.3	24.0	7.2	1.0	.3					100.0	9.3

NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ORD (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	2.5	1.5	.9							6.3	9.8
NNE	.1	.4	.3	.6								1.5	9.4
NE		.1	.[illegible]	1.5	.4							2.6	12.2
ENE		.1	.[illegible]		.1							.4	10.8
E			.[illegible]	.2	.2							.6	13.6
ESE	.1	.4	.[illegible]	.9	.1							1.7	10.2
SE		1.1	.[illegible]	.5								2.5	8.0
SSE	.4	1.4	1.[illegible]	.3								3.7	6.7
S	.[illegible]	2.2	3.1	2.9	.6							9.1	9.6
SSW	.[illegible]	1.1	1.[illegible]	.7	.4		.1					6.6	10.4
SW	.4	2.3	2.7	1.8	.3	.1	.2					7.2	9.6
WSW	.[illegible]	2.2	3.4	2.4	1.4	.2						9.8	10.5
W	1.[illegible]	5.1	6.[illegible]	5.4	1.4	.4						19.6	9.7
WNW	.4	3.1	3.4	2.5	.5	.1						10.1	9.1
NW		1.[illegible]	2.5	2.6	.5	.2						7.4	10.5
NNW		.9	2.[illegible]	2.4	.8	.[illegible]						6.5	11.9
VARBL													
CALM												4.0	
	3.9	22.9	31.6	26.1	7.8	1.4	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 930

L PAL CLIMATOLOGY BRANCH
SAFETAC
ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3 C (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.2	2.6	1.3	.6							6.9	9.3
NNE		.5	.5	.6	.1							1.9	9.4
NE	.1	.3	.6	.2	.6							1.9	11.9
ENE			.4	.5								1.0	11.0
E			.8	1.4	.2							2.4	12.7
ESE		.1	.5	.5	.1							1.3	11.8
SE	.4	.6	1.2	.6	.1							2.8	8.8
SSE		.7	2.3	.9								4.5	9.3
S	.2	.8	3.1	3.0	1.1	.4						8.6	11.9
SSW	.1	1.1	2.4	1.9	.6							6.3	10.6
SW	.2	1.0	2.0	2.4	.4	.2						6.3	10.4
WSW	.2	1.8	3.0	4.2	1.1	.4	.2					11.0	11.6
W	.2	3.3	7.6	7.5	2.2	.6	.1					21.9	11.1
WNW	.1	1.4	3.1	3.0	1.1	.1						8.8	10.9
NW	.1	1.4	2.0	2.0	.8	.1						6.7	10.6
NNW	.1	.1	2.2	2.4	1.4	.2						6.9	12.5
VARBL													
CALM												1.1	
	2.3	15.2	35.9	32.6	10.4	2.2	.3					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 930

L CAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13-3-0	CHICAGO-O'HARE IAP IL	74-83	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

1200-1400 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.9	2.7	2.1	.5							5.7	10.5
NNE	.	.1	.7	.2	.2							1.3	10.7
NE	.	.1	.9	1.1	.3							2.4	12.2
ENE	.	.2	.9	.6	.3							2.0	10.9
E	.	.2	.7	1.1	.1							1.8	11.5
ESE	.	.2	.7	1.0	.3							1.9	12.3
SE	.2	.4	.6	.8								2.2	8.4
SSE	.1	.6	1.6	1.3	.4							4.1	10.2
S	.	1.0	2.0	4.6	.8		.1					8.7	12.2
SSW	.	.4	1.6	3.3	.6							6.0	11.9
SW	.1	.8	1.6	3.5	.9	.1						6.9	12.1
WSW	.1	1.1	4.1	6.1	1.9	.6	.1					14.1	12.4
W	.2	2.3	7.5	6.5	3.1	.9						20.5	11.9
WNW	.2	1.4	4.2	3.5	.6	.3						10.4	10.6
NW	.	.2	2.4	1.7	1.1							5.6	11.2
NNW	.	.5	1.2	2.0	1.1							5.1	12.3
VARBL													
CALM												.9	
	1.2	11.4	32.3	39.7	12.4	1.9	.2					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94 8 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JAN — MONTH
ALL WEATHER — CLASS
1500-1700 — HOURS (L S T)
CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.7	2.6	2.0	.4	.1						6.5	10.2
NNE		.8	1.0	.4	.2							2.4	9.6
NE		.7	1.4	1.1	.4	.1						3.2	11.6
ENE			.6	1.0	.2							1.9	11.4
E		.2	.8	.9	.1							1.9	11.1
ESE		.7	1.0	.9	.1							2.3	10.0
SE		.5	1.4	1.0								2.9	9.2
SSE		.2	1.7	.4	.2							2.5	9.3
S	.1	1.0	3.1	4.1	1.5							9.8	11.8
SSW	.1	.5	2.0	2.4	.4							6.3	10.6
SW	.1	.4	1.0	2.7	.2							5.7	10.6
WSW		1.4	5.2	3.8	1.7	.3	.3					12.9	11.7
W	.1	4.1	8.3	7.6	2.4	.9	.2					23.5	11.1
WNW	.1	.6	2.4	2.6	.4	.1						6.3	11.0
NW	.1	.6	1.9	2.3	.6							5.6	11.1
NNW		.2	1.8	1.7	.9	.1						4.4	11.4
VARBL													
CALM												.9	
	.4	14.1	37.6	34.7	9.9	1.6	.5					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	CHICAGO-O'HARE IAP IL	74-83	JAN

CLASS: ALL WEATHER

HOURS (L S T): 1900-2000

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.8	3.5	1.9	.1	.1						6.5	9.7
NNE	.	.9	.9	.6	.1							2.5	9.0
NE	.	.5	.3	1.3	.1							2.3	11.3
ENE	.	.1	.4	.4								1.3	11.2
E	.	.	1.0	1.0	.2							2.2	11.4
ESE	.	.2	.6	.9	.2							1.9	11.6
SE	.	1.0	1.0	1.0	.1							3.0	9.5
SSE	.	.9	1.7	.8								3.3	8.8
S	.2	1.5	4.0	3.5	1.2	.1						10.5	10.8
SSW	.1	1.6	2.4	1.6	.8							6.5	10.0
SW	.2	2.2	2.5	2.0	.1							7.1	9.1
WSW	.2	4.3	5.6	3.1	1.3	.4						15.1	9.6
W	.3	4.7	7.5	4.3	1.8	.8	.1					19.6	10.1
WNW	.1	1.0	2.0	1.5	.4	.1						6.0	10.0
NW	.1	1.5	2.3	2.5	.9							7.2	10.6
NNW		.2	1.7	1.5	.4	.1						4.0	12.0
VARBL													
CALM												1.2	
	1.0	21.3	39.3	28.3	7.7	1.6	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L PAL CLIMATOLOGY BRANCH
...SAFETAC
AT... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

... C | CHICAGO-O'HARE IAP IL | 74-82 | JAN
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 2100-2300
CLASS | HOURS (L S T)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6	2.9	1.2	.3	.2	.1	.1				5.5	11.3
NNE	.2	.6	.2	.3								1.4	6.8
NE		.1	.4	1.0	.3							2.0	12.0
ENE	.1	.1	.4	.5	.2							1.6	10.4
E	.1	.2	1.1	.6	.3							2.4	10.7
ESE		.5	.6	.3	.1							1.6	8.9
SE		.2	1.9	.6								2.7	9.6
SSE	.1	.2	1.8	.8								3.2	8.5
S		1.3	4.2	2.5	1.2	.3						9.2	11.0
SSW	.5	1.7	2.2	1.9	1.0							7.3	9.6
SW	.2	1.9	4.2	1.4	.2	.1						7.7	8.8
WSW	.4	4.2	5.4	2.9	.4	.3						13.5	8.9
W	.5	4.4	8.5	6.0	1.9	.3						21.8	10.2
WNW	.1	1.5	2.4	1.7	.4							6.1	9.6
NW		1.3	2.9	2.3	.3	.2						7.0	10.4
NNW		.4	2.0	1.5	.4	.1	.1					4.6	11.3
VARBL													
CALM												2.2	
	2.5	19.7	41.1	25.5	7.2	1.6	.2	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L TAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94822 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.2	2.6	1.6	.5	.1	.0	.0				6.1	10.1
NNE	.1	.5	.7	.4	.1							1.9	9.2
NE	.2	.5	.9	.4	.2							2.3	11.9
ENE	.1	.1	.6	.5	.1							1.3	10.9
E	.2	.1	.6	.8	.2							1.7	11.6
ESE	.1	.3	.5	.6	.1							1.7	10.2
SE	.1	.7	1.1	.7	.0							2.6	8.8
SSE	.1	.8	1.9	.7	.1							3.6	8.6
S	.2	1.5	3.3	3.1	1.0	.1	.2					9.2	10.8
SSW	.2	1.2	2.2	2.2	.6	.0	.1					6.5	10.5
SW	.2	1.6	2.4	2.2	.3	.1	.0					6.9	9.6
WSW	.2	2.5	4.4	3.2	1.1	.4	.1					12.0	10.3
W	.2	4.3	7.6	6.0	1.9	.6	.1					21.1	10.5
WNW	.2	1.4	3.2	2.4	.6	.1						8.1	10.0
NW	.1	1.5	2.5	2.3	.7	.1						7.1	10.5
NNW	.2	.6	2.1	2.0	.7	.1	.0					5.5	11.6
VARBL													
CALM												2.2	
	2.4	19.6	36.7	29.8	8.5	1.6	.3	.0				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 7440

...L RAL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

...3 ... CHICAGO-O'HARE IAP IL (STATION / STATION NAME) 74-83 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.7	2.5	2.6	.2							6.6	10.0
NNE	.4	1.8	.3	.9	.4							4.1	8.3
NE	.1	.9	1.6	.7	.2							3.5	9.1
ENE		.1	1.7	2.4	.6							4.4	12.6
E		.4	1.7	.9								2.6	10.2
ESE		.7	.6	.4								1.5	8.5
SE		.4	1.1	.2								1.7	8.1
SSE	.2	.8	.8	.5	.1							2.5	7.9
S	.1	4.6	3.2	3.1	.9							11.9	9.2
SSW	.1	2.7	3.2	3.7	.8							10.3	10.1
SW	.2	1.8	2.1	1.5	.2							6.1	8.5
WSW	.3	3.0	3.5	1.2	.4	.1						8.6	8.1
W	.7	5.6	5.2	2.6	.7							14.5	8.2
WNW	.2	1.3	3.4	1.3								6.3	8.5
NW	.1	1.9	2.6	2.0	.2							6.9	9.4
NNW		.8	1.2	1.9	1.1							5.0	12.3
VARBL													
CALM												3.4	
	2.4	27.4	33.9	25.8	5.9	.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-350 CHICAGO-O'HARE IAP IL ZM-93 FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 00-0500
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	1.3	1.2		.1						4.0	8.6
NNE		1.7	.9	.5	.1	.4						3.5	9.4
NE		1.1	1.4	1.5	.2							4.3	9.7
ENE		.5	1.7	1.9	.5							4.1	11.4
E		.1	1.4	1.2	.1							2.8	11.0
ESE		.2	1.1	.4								1.7	8.9
SE	.1	.6	.6	.4								1.7	7.9
SSE		1.7	1.5	.8								4.0	7.9
S	.2	3.2	3.0	3.0	.6	.1						10.2	9.4
SSW	.1	2.3	2.5	2.2	.5							7.2	9.1
SW	.2	3.2	2.5	1.3								7.2	7.4
WSW	.7	1.5	3.5	1.2	.1							7.1	8.1
W	.7	4.8	5.1	2.6	.7	.2						14.2	8.9
WNW	.7	1.7	4.1	.7								7.2	7.4
NW	.4	1.7	3.2	2.7	.5							8.6	9.4
NNW		1.2	1.4	2.0	.5	.1						5.2	10.5
VARBL													
CALM												.6	
	.9	27.0	35.3	23.5	3.8	.9						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] CHICAGO-O'HARE IAP IL — STATION / STATION NAME
74-83 — YEARS
FEB — MONTH
ALL WEATHER — CLASS
0600-0800 — HOURS (LST)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	2.4	1.4	.5	.1	.2					5.6	11.1
NNE	.1	.7	.7	.8	.1	.2						2.7	10.3
NE	.1	.4	1.1	1.5	.5	.1						4.1	10.7
ENE	.1	.5	1.4	1.9	.4							4.3	10.9
E		.4	.9	1.2	.2							2.7	10.8
ESE		.5	1.2	.8								2.5	9.4
SE		.2	.7	.6	.1							1.6	8.9
SSE	.4	2.0	.9	1.1	.1							4.5	7.8
S	.7	4.4	3.1	2.2								10.4	7.8
SSW	.5	1.8	3.0	3.1	.5							8.7	9.8
SW	.7	2.1	1.2	2.4	.2							6.6	8.7
WSW	.5	2.8	3.1	1.1	.1	.2						7.6	8.3
W	.5	5.4	4.1	2.2	.4	.1						12.8	8.0
WNW	.6	2.1	3.2	2.0	.2							8.9	8.5
NW	.1	.9	3.0	1.4	.4							5.8	9.5
NNW	.1	.8	2.1	2.6	.6	.1						6.4	11.3
VARBL													
CALM												4.5	
	4.3	27.2	32.3	26.4	4.3	.9	.2					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 846

[illegible] CLIMATOLOGY BRANCH
USAFETAC
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300	CHICAGO-O'HARE IAP IL	74-83	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER	0900-1100
CLASS	HOURS (L S T)

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.7	3.7	2.1	.7	.5	.1					8.5	10.6
NNE		.2	1.1	.7	.6	.4	.2					3.2	14.2
NE	.1	.7	1.1	2.8	.5	.1						5.3	11.6
ENE		.4	.5	2.6	.5							3.9	12.2
E		.1	.6	1.5								2.6	11.5
ESE	.1	.6	1.4	.9	.5							3.5	10.4
SE	.1	.4	.8	.9								2.4	9.7
SSE	.1	.6	1.5	.9								3.4	8.7
S	.5	1.9	3.5	3.3	1.1							10.4	10.1
SSW		1.2	2.6	4.4	.9	.2						9.3	11.7
SW	.1	.9	2.0	1.8	1.1	.1						6.0	11.3
WSW	.1	1.1	3.0	2.7	.6	.2						7.7	10.9
W	.6	2.6	4.7	4.3	.8	.1	.2					13.4	10.1
WNW	.4	.7	3.0	2.8	.6							7.4	10.6
NW	.4	.9	1.7	1.9	.1	.1						5.1	9.6
NNW	.1	1.3	1.9	2.0	.7	.1	.1					6.1	11.1
VARBL													
CALM												1.7	
	2.8	15.1	33.0	35.8	8.6	1.9	.7					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 896

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TECHNICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94846 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

1200-1400 (HOURS (L S T))

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.1	2.1	3.2	.7	.5						7.3	11.9
NNE		.7	1.7	2.2	.7	.5	.1					5.9	12.7
NE		1.1	2.0	2.2	.5							5.8	10.5
ENE		.2	1.7	2.2	.2							4.4	11.1
E		.5	.7	1.1	.2							2.5	10.9
ESE		.7	1.2	.7								2.6	8.9
SE		.7	.6	.8								2.1	9.5
SSE	.1	.4	.5	1.7	.4							3.3	11.0
S	.1	.5	2.1	1.9	1.7							6.7	12.0
SSW		.6	2.6	6.6	1.4	.1						11.3	13.0
SW	.1	.1	2.6	3.3	.8	.5						7.4	12.8
WSW	.5	.2	1.7	4.0	.7	.9						8.2	12.8
W		1.1	5.7	6.5	1.7	.6	.2					15.7	12.0
WNW		1.9	1.5	3.0	.7							7.1	10.7
NW	.2	.5	1.4	1.4	.2	.1						3.9	11.0
NNW		.4	1.3	1.5	.6	.5	.1					4.4	13.8
VARBL													
CALM												1.3	
	1.7	11.0	29.7	42.2	10.5	3.7	.5					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 646

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	DATE
[illegible]	CHICAGO-O'HARE IAP IL	74-83	FEB

CLASS: ALL WEATHER

CONDITION

HOURS (LST): 1500-1700

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	2.7	1.9	1.1	.7	.1					7.6	12.4
NNE	.1	.5	2.4	2.9	1.3	.4	.1					7.8	12.7
NE	.1	.4	2.3	2.9	.1	.2						5.9	11.2
ENE		.4	1.4	2.2	.2							4.3	11.3
E		.5	1.1	1.4	.1							3.1	10.7
ESE		.4	.3	.6	.1							2.6	9.6
SE		.2	.4	.2								.8	8.3
SSE		.4	1.3	.7	.2	.1						2.7	11.2
S		.5	2.7	5.4	1.3	.1						10.4	12.3
SSW		.7	2.3	3.7	1.4	.1						7.9	12.5
SW		.8	2.7	2.3	.6	.2						6.4	11.1
WSW		.7	2.4	4.3	.8	.4						8.5	12.1
W	.1	2.2	4.4	7.1	1.9	.6	.2					16.6	12.2
WNW	.4	2.0	3.7	2.3	.1							7.7	8.7
NW	.1	.2	.7	.9	.2							2.2	10.7
NNW	.7	.1	1.2	2.2	1.3	.1	.1					5.3	13.4
VARBL													
CALM												.8	
	1.2	11.3	31.0	40.3	10.9	3.0	.6					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 896

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL RAL CLIMATOLOGY BRANCH
USAFETAC
A[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] CHICAGO-O'HARE IAP IL (STATION / STATION NAME) 74-83 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L S T.))

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.[illegible]	3.[illegible]	[illegible]	.4	.5						7.3	10.6
NNE		.[illegible]	[illegible].[illegible]	1.9	.6	.5						4.3	12.3
NE		.7	2.7	1.7	.2	.1						5.4	10.4
ENE	.1	.[illegible]	1.[illegible]	1.9	.5							3.9	11.5
E	.1	.2	1.[illegible]	1.5	.5							3.5	11.6
ESE		.7	1.[illegible]	.[illegible]								2.1	8.0
SE		.[illegible]	.1	.1								.5	7.8
SSE		1.[illegible]	1.[illegible]	.7	.6	.1						3.9	10.2
S	.1	2.[illegible]	4.[illegible]	5.3	1.[illegible]							13.[illegible]	10.5
SSW	.1	1.[illegible]	[illegible].[illegible]	1.9	.9	.1						6.9	10.5
SW	.[illegible]	1.[illegible]	2.[illegible]	1.1	.1	.1	.1					5.7	9.0
WSW	.[illegible]	3.1	[illegible].[illegible]	2.5	.6	.2						[illegible].9	9.7
W	.4	4.[illegible]	[illegible].[illegible]	[illegible].2	.7	.1						16.4	9.5
WNW	.[illegible]	2.1	2.1	1.4								5.9	7.9
NW		.[illegible]	1.7	.9	.1	.1						3.3	9.9
NNW		.4	1.[illegible]	2.[illegible]	1.1	.1						5.1	13.4
VARBL													
CALM												1.1	
	1.[illegible]	21.[illegible]	35.[illegible]	3[illegible].[illegible]	7.6	2.0	.1					[illegible]00.0	10.2

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC/GL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725340 (STATION) CHICAGO-O'HARE IAP, IL (STATION NAME) 74-83 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (LST))

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.3	1.3	2.0	.1	.2						5.7	10.0
NNE		.7	1.2	1.2	.4							3.4	10.8
NE		1.1	1.9	2.0	.5	.2						5.6	11.2
ENE		.1	.9	1.9	.5							3.4	12.3
E		.2	1.3	.7	.4							2.5	11.4
ESE		.2	.2	.6								2.5	8.4
SE	.1	.9	.9	.6								2.4	8.5
SSE	.1	1.1	.4	.7	.2							2.5	9.4
S	.5	3.2	5.3	3.4	.8							13.4	9.2
SSW	.4	2.5	2.7	3.4	.9							9.2	10.0
SW	.1	1.4	3.1	1.2								5.8	8.8
WSW	.5	3.2	3.8	1.7	.5	.4						9.7	8.9
W	.4	5.2	3.4	5.0	.5	.2						14.7	9.1
WNW	.2	2.1	2.2	1.4								5.8	7.9
NW		1.4	2.2	1.4	.1							5.2	9.1
NNW	.2	.6	2.1	2.5	.8	.1						6.4	11.8
VARBL													
CALM												1.8	
	3.0	25.4	33.3	29.7	5.7	1.2						100.2	9.5

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...RAL CLIMATOLOGY BRANCH
...SAFETAC
AI... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

...CHICAGO-O'HARE TAP IL (STATION / STATION NAME) 74-83 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.1	2.[illegible]	2.2	.5	.3	.1					6.7	10.8
NNE	.1	.8	1.4	1.4	.5	.3	.1					4.6	11.6
NE	.1	.9	1.7	1.9	.3	.1						5.0	10.6
ENE	.[illegible]	.[illegible]	1.2	2.1	.4							4.1	11.6
E	.[illegible]	.[illegible]	1.1	1.2	.2							2.6	11.0
ESE	.[illegible]	.[illegible]	1.[illegible]	.6	.1							2.3	9.1
SE	.[illegible]	.[illegible]	.6	.5	.[illegible]							1.7	8.8
SSE	.1	1.[illegible]	1.1	.9	.2	.0						3.4	9.2
S	.[illegible]	2.[illegible]	3.5	3.5	1.[illegible]	.0						10.9	10.0
SSW	.1	1.[illegible]	2.[illegible]	3.6	.9	.1						9.0	10.9
SW	.[illegible]	1.[illegible]	2.3	1.9	.4	.1	.0					6.4	9.7
WSW	.4	1.9	2.9	2.3	.5	.3						8.3	9.9
W	.4	3.[illegible]	4.8	4.8	.9	.3	.1					14.6	9.8
WNW	.[illegible]	1.[illegible]	2.9	1.8	.2							7.1	8.8
NW	.[illegible]	1.[illegible]	2.1	1.6	.2	.0						5.1	9.7
NNW	.1	.7	1.[illegible]	2.1	.8	.1	.0					5.5	12.1
VARBL													
CALM												2.5	
	2.7	20.7	33.2	31.8	7.2	1.7	.3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 6768

USAFETAC FORM AC 64 OBSOLETE ALL PREV... EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725-70	CHICAGO-O'HARE IAP IL	74-83	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS — CONDITION

0000-0200 — HOURS (L.S.T.)

SPEED (KNTS) / DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥56	%	MEAN WIND SPEED
N	.7	2.2	2.2	2.2	.3	.1						7.4	9.9
NNE		1.0	1.2	1.4	.5	.1						4.2	10.6
NE	.1	.4	1.5	1.7	.3							4.4	10.8
ENE		.5	1.7	1.8	.2							4.3	10.3
E		.7	2.0	1.8	.3							4.5	11.1
ESE	.1	1.0	1.5	.3	.1							3.0	8.0
SE	.1	1.1	1.7	.7	.2							3.8	8.4
SSE	.1	1.7	2.4	1.2								4.9	8.3
S	.6	2.6	2.8	3.1	1.2	.1						10.3	10.0
SSW	.1	.9	2.4	2.5	.4	.2						6.5	11.0
SW	.2	1.4	2.5	2.0	.3	.1						7.1	9.3
WSW	.2	2.5	2.2	1.3	.4	.1						6.7	8.7
W	.2	2.9	5.4	2.4	1.3							12.2	9.4
WNW	.2	1.7	2.4	1.2	.2							6.0	8.0
NW	.2	2.2	2.2	1.4	.4	.1						7.2	9.2
NNW	.1	.7	1.7	1.4	.5							4.1	11.2
VARBL													
CALM												3.4	
	3.3	22.4	36.7	25.0	7.3	.9						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...FETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

...3 ... CHICAGO-O'HARE IAP IL — STATION / STATION NAME
74-83 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
0300-0500 — HOURS (L S T)
CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.5	3.0	2.6	.8							7.8	10.6
NNE	.1	1.3	1.2	1.4	.2							4.4	9.1
NE	.1	1.0	1.5	1.4	.3	.2						4.5	10.5
ENE	.1	.2	1.0	2.4								3.7	11.1
E		.2	1.3	1.8	.3							3.7	11.4
ESE		1.0	1.4	.6								3.2	8.4
SE		1.2	1.4	1.1	.2	.1						4.0	9.5
SSE	.1	1.6	2.7	1.1								5.5	7.8
S		.2	4.0	2.5	.9							9.5	9.8
SSW	.1	.2	1.8	1.9	.8	.2						5.7	11.6
SW		1.0	2.0	2.4		.1						7.2	9.4
WSW	.2	2.2	1.5	1.5	.2							5.7	8.7
W	.4	3.2	4.1	1.8	1.1	.1						10.8	9.1
WNW	.2	1.8	2.3	.8	.1							5.2	7.9
NW		2.0	2.4	1.6	.4							7.3	8.7
NNW	.2	1.2	2.0	2.0	1.1							8.2	11.1
VARBL													
CALM												4.7	
	1.0	24.2	34.5	27.7	6.3	.8						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 930

...L RAL CLIMATOLOGY BRANCH
...SFETAC
AT... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72..T.D STATION — CHICAGO-O'HARE IAP IL STATION NAME — 74-83 YEARS — MAR MONTH

ALL WEATHER CLASS — 0600-0800 HOURS (L S T)

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.3	2.5	2.3	1.1	.2						7.2	10.6
NNE	.2	.8	1.4	.9	.8	.1						3.9	11.0
NE	.2	.5	1.7	2.4	.5	.1						5.3	11.7
ENE		.1	1.1	2.0	.1							3.3	11.6
E	.1	.4	1.4	1.8	.2							4.2	10.3
ESE	.1	.4	1.4	.9	.3							3.1	10.3
SE	.1	.6	1.7	.4	.2							3.1	8.9
SSE	.4	1.7	2.6	.8	.2							5.7	8.1
S	.4	2.7	3.5	3.5	1.5	.2						12.0	10.4
SSW		1.7	2.7	1.9	.9							6.1	10.6
SW	.1	1.5	1.7	1.7	.2	.2						4.9	10.1
WSW	.1	1.7	2.0	1.5	.4	.2	.2					5.8	10.8
W	.2	2.0	2.5	2.2	.9	.1						9.4	8.9
WNW	.1	2.3	3.2	.9	.1							6.6	8.0
NW	.1	1.2	4.0	2.7	.5							8.5	9.9
NNW	.1	.7	2.2	2.0	.6							6.6	12.0
VARBL													
CALM												3.0	
	2.2	19.5	35.1	28.7	8.6	1.2	.2					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] CHICAGO-O'HARE IAP IL — STATION NAME — 74-83 YEARS — MAR MONTH

ALL WEATHER CLASS — 0000-1100 HOURS (L.S.T.)

CONDITION

SPEED KNTS. / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.9	1.4	2.6	1.1	.1						6.1	12.2
NNE		.6	1.3	2.2	.8	.1						4.9	11.8
NE		1.1	1.9	2.9	1.0	.3						7.2	12.3
ENE		.9	1.7	1.7	.1							3.8	11.0
E		.5	1.9	1.8	.6	.1						5.1	11.9
ESE		.1	.9	1.1	.2							2.3	11.2
SE		.6	1.0	1.7	.1	.1						4.6	10.0
SSE		.5	2.0	1.6	.4							4.6	10.5
S	.1	1.1	3.3	4.8	1.5	.6	.1	.1				11.7	12.8
SSW		.9	2.0	3.5	.9	.6						7.3	13.2
SW	.2	1.0	2.0	2.3	1.2	.2						7.0	11.4
WSW	.1	.4	1.2	2.9	1.1	.2						6.1	12.4
W	.2	1.2	2.2	3.1	.9	.5						8.8	11.5
WNW		1.1	2.2	1.6	.2	.1						5.2	10.0
NW	.2	.8	3.1	4.1	.4							8.6	10.7
NNW		.2	1.6	2.7	1.5							6.0	13.1
VARBL													
CALM												.6	
	1.1	10.5	31.6	40.6	11.9	3.1	.1	.1				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 930

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

...3_2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.4	2.3	2.2	1.4	.2						6.5	12.6
NNE	.1	.7	1.4	2.3	.6	.1						4.8	12.2
NE		.1	2.0	3.4	1.5	.1						7.2	13.2
ENE		.7	2.0	2.0	.3							4.7	11.2
E		.5	1.5	2.5	.8							4.9	12.0
ESE		.2	1.5	.4	.3	.1						2.6	11.1
SE		.7	.2	1.0	.3							2.2	11.6
SSE		.3	1.7	3.1	.1							5.3	11.1
S		.5	2.0	5.3	2.4	.9						11.8	13.8
SSW		.2	2.7	3.0	2.5	.8	.4					9.1	15.4
SW		.3	1.3	1.8	.8	.5	.2					4.9	14.3
WSW	.1	.5	2.0	2.2	1.1	.2						6.1	12.2
W	.1	1.4	4.1	4.9	1.2	1.1						12.8	12.3
WNW		.9	2.3	3.5	.4	.1						7.2	11.1
NW	.1	.5	1.5	2.7	.4							5.3	11.7
NNW			.6	1.8	.6	.1						3.2	14.1
VARBL													
CALM												1.0	
	.4	6.7	32.2	42.2	14.7	4.2	.6					100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 930

AL PAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] CHICAGO-O'HARE IAP IL (STATION NAME) | 74-83 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 1500-1700 (HOURS (L S T.))

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.4	1.6	2.3	.6	.1						5.1	12.3
NNE		.5	2.7	3.3	1.1	.3						8.0	12.3
NE		.3	2.0	4.0	.6	.2						7.1	12.3
ENE	.1	.3	2.3	2.4	.4							5.5	11.3
E		.3	1.9	2.8	.8							4.9	12.2
ESE		.2	.4	.8	.3							1.7	11.7
SE	.1	.2	.0	.6	.2							2.0	10.4
SSE		.1	1.9	2.7	.1							4.7	11.2
S		.4	4.2	4.3	2.4	.2						11.5	12.8
SSW	.1	.4	1.5	3.1	2.5	.8	.1					8.5	14.8
SW		.4	1.2	1.1	1.0	.8	.1					4.5	14.9
WSW	.1	.4	2.3	3.2	.5	.9						7.4	13.1
W		1.1	3.7	5.1	1.6	.5	.1					12.0	12.5
WNW		.3	3.3	4.1	.5	.1						8.8	11.5
NW		.1	1.3	1.7	.4	.1						3.7	12.1
NNW		.2	1.1	2.4	.5							4.2	12.7
VARBL													
CALM												.3	
	.4	6.1	31.4	43.8	13.7	4.0	.3					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300	CHICAGO-O'HARE IAP IL	74-83	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS) | 1900-2000 (HOURS (L.S.T.))

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.5	3.7	1.8	1.0	.						7.0	11.0
NNE	.	1.1	2.5	2.0	.6	.1						6.5	10.9
NE	.	1.0	4.4	1.5	.2	.3						7.4	10.0
ENE	.	.3	2.9	1.8	.3	.1						5.5	10.8
E	.	.5	3.7	1.5	.8							6.0	10.7
ESE	.	.5	1.9	1.3	.6							4.3	10.9
SE	.	.4	1.4	1.3								3.1	10.1
SSE	.	.4	2.0	1.4	.7							4.8	9.7
S	.	1.0	4.4	3.1	1.2	.2						9.9	11.4
SSW	.	.7	2.3	2.0	1.1	.2						5.8	12.4
SW	.	1.2	1.5	1.5	.8	.1						5.2	10.9
WSW	.1	2.0	3.3	1.9	.8	.2						8.3	9.8
W	.2	2.0	4.1	3.4	.9	.3						11.9	10.0
WNW	.	1.2	1.4	1.3	.3							4.6	9.6
NW	.1	1.0	1.9	1.8	.3							5.2	10.5
NNW	.	.9	1.7	1.1	.3							4.0	10.0
VARBL													
CALM	-	-	-	-	-	-	-	-	-	-	-	.5	
	.4	15.7	44.0	28.8	9.4	1.6						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 930

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74 T C (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (LST))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.7	2.9	1.3	1.0	.2						6.4	9.3
NNE	.1	1.6	2.4	1.8	.6	.2						6.3	9.9
NE		1.3	3.4	1.4	.2	.1						6.5	9.6
ENE		.9	1.0	1.3	.1							3.8	10.2
E		.5	1.8	.9	.9	.1						4.2	11.7
ESE	.1	1.0	2.3	1.4	.2							4.9	9.3
SE		.3	2.0	1.2	.1							3.7	10.1
SSE		1.1	2.4	1.4								4.8	9.0
S	.3	2.0	3.2	3.3	1.3	.3						10.5	10.7
SSW		.6	3.3	1.7	1.1	.2						7.0	11.5
SW		2.0	1.2	1.2	.5							5.4	8.7
WSW	.3	2.5	3.2	1.9	.8	.3						9.5	9.4
W	.3	3.1	4.1	2.0	1.4	.2						11.2	9.8
WNW	.1	1.1	2.0	1.4								4.6	9.1
NW		1.2	2.3	1.7	.1							5.3	9.5
NNW	.1	.4	.5	1.0		.1						2.2	10.4
VARBL													
CALM												1.8	
	1.3	22.4	39.4	24.5	9.3	1.9						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL A) (PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE)

...L CLIMATOLOGY BRANCH
...ETAC
AT... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

...LD (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-63 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.3	2.4	2.1	1.0	.1						7.1	10.9
NNE	.1	.9	1.9	1.9	.7	.1						5.5	11.1
NE	.2	.7	2.3	2.3	.6	.2						6.2	11.4
ENE	.1	.3	1.0	1.9	.2	.0						4.3	10.9
E	.1	.4	1.0	1.9	.6	.3						4.7	11.4
ESE	.0	.5	1.4	.8	.3	.2						3.1	10.0
SE	.2	.6	1.5	1.0	.2	.0						3.3	9.8
SSE	.1	.9	2.3	1.7	.1							5.1	9.4
S	.1	1.6	3.5	3.7	1.5	.3	.0	.0				10.9	11.5
SSW	.2	.6	2.2	2.5	1.2	.4	.1					7.2	12.8
SW	.1	1.2	1.9	1.7	.6	.3	.0					5.8	10.9
WSW	.2	1.5	2.7	2.0	.7	.3	.0					6.9	10.6
W	.2	2.4	3.0	3.1	1.1	.4	.2					11.1	10.5
WNW	.1	1.3	2.4	1.9	.2	.0						6.0	9.6
NW	.1	1.2	2.4	2.2	.4	.0						6.4	10.1
NNW	.1	.4	1.4	2.0	.7	.0						4.6	11.9
VARBL													
CALM												2.0	
	1.5	15.9	35.7	32.9	10.0	2.2	.2	.0				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 7490

L SAL CLIMATOLOGY BRANCH
FAETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
APR — MONTH
ALL WEATHER — CLASS
0000-0200 — HOURS (L S T)
CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.3	1.3	2.1	.3	.1						6.7	9.0
NNE	.4	2.6	3.4	1.5	1.6	.6						9.0	10.7
NE		1.2	2.6	.9	.8	.2						5.4	10.8
ENE		1.2	1.4	.2	.2							3.6	9.7
E	.2	1.3	1.9	1.4	.3	.2						5.1	10.1
ESE	.1	1.4	1.1	.9	.1							3.8	8.3
SE	.1	1.4	1.3	.9	.1							3.9	8.3
SSE	.2	1.6	2.2	.6	.3	.1						4.8	8.6
S	.4	3.6	3.4	2.4	.6							10.8	8.6
SSW		1.7	2.1	2.6	.2							6.2	10.3
SW	.2	1.1	2.2	1.6	.6	.2						5.7	10.5
WSW	.2	2.1	1.7	1.4	.1							5.9	8.3
W	.2	4.6	3.7	2.3	.7	.3	.1					12.4	9.0
WNW	.2	1.1	1.3	.3	.2							4.1	7.7
NW	.2	1.7	.9	.6	.4							3.8	8.5
NNW		.4	1.2	.8	.2	.3	.1					2.9	12.6
VARBL													
CALM												4.0	
	4.1	28.7	32.9	21.2	6.8	2.1	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 992

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94822 CHICAGO-O'HARE IAP IL 74-83 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER 0700-0900
CLASS HOURS (L.S.T.)

CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.2	5.2	1.8	.8	.1						10.9	9.2
NNE		2.2	1.3	1.2	.9	.3						6.6	10.3
NE	.1	1.7	2.4	1.1	.7	.3	.1					6.4	10.3
ENE	.2	.2	.2	.4	.3							2.1	10.1
E		.4	2.1	1.6	.9	.1						5.1	11.8
ESE	.1	1.2	1.3	1.2	.3	.1						4.1	10.1
SE	.2	.2	1.2	.1	.1							2.1	7.5
SSE	.2	2.6	1.2	.6	.4							5.6	7.7
S	.2	2.4	2.2	2.3	.4							8.4	9.1
SSW	.2	.9	2.1	2.2	.2	.1						6.3	10.2
SW	.2	1.3	2.4	2.1	.2		.2					6.6	10.4
WSW	.3	2.7	1.2	1.1	.3							6.2	8.1
W	.6	2.6	3.2	2.3	.8							9.4	9.2
WNW	.3	2.3	2.1	.6								5.3	7.3
NW		1.2	1.7	1.7	.3							4.9	9.9
NNW	.1	.8	2.1	.6	.2							3.8	9.2
VARBL													
CALM												5.9	
	2.3	26.2	34.2	21.4	7.0	1.1	.3					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 900

...L DAL CLIMATOLOGY BRANCH
...SAFETAC
AT... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

... 7 ... CHICAGO-O'HARE IAP IL — 74-83 — APR
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 0600-0800
CLASS — HOURS (L S T)

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.3	3.0	2.7	.6	.2						9.6	9.5
NNE	.7	2.1	3.0	2.1	1.1	.4	.1					9.2	10.9
NE		1.3	1.7	1.4	.2	.3						5.0	10.6
ENE	.1	.3	1.6	1.0	.3	.4						3.8	11.8
E	.1	.8	2.0	3.3	.2	.1						6.2	10.4
ESE	.1	1.3	1.3	1.4	.2							5.0	9.3
SE	.1	.7	1.3	.9								2.7	9.1
SSE		1.1	1.7	1.6	.1							4.4	9.6
S	.4	2.1	3.1	4.6	.9	.1						11.3	10.4
SSW		1.3	1.3	2.1	.3	.1						5.3	10.6
SW	.3	.7	1.3	2.6	.3	.2	.1					5.2	11.7
WSW		1.2	2.4	1.9	.4	.2						6.1	10.6
W	.1	1.3	2.3	1.9	.3	.1						6.4	9.3
WNW	.4	1.4	2.2	2.1	.4	.1						7.1	9.5
NW	.3	.9	1.3	1.8	.2							4.4	9.7
NNW		.6	1.6	2.1								4.2	10.7
VARBL													
CALM												3.9	
	2.3	20.6	32.7	32.1	5.8	2.4	.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 Y-2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.4	2.0	2.8	.6							7.1	10.3
NNE		.8	2.1	4.9	2.0	.4	.2					12.4	13.8
NE		.4	2.7	3.0	.7	.1						6.9	11.6
ENE	.2	.7	2.1	1.9	.7	.2						5.9	11.0
E	.1	.3	2.0	2.0	.7							5.1	11.3
ESE		1.1	1.4	2.1	.2							5.0	10.3
SE	.2	.8	1.4	1.0	.3							3.8	9.9
SSE	.1	.4	1.2	2.1								3.9	10.2
S	.1	1.2	2.2	6.6	2.2	.3						13.1	12.9
SSW	.2	.4	1.2	2.6	.7	.2						5.3	12.1
SW		.2	1.2	2.7	1.1	.7						5.6	14.2
WSW		.7	1.4	2.1	1.0	.6	.2	.1				6.1	14.4
W	.2	1.2	1.4	3.2	1.0							7.3	11.1
WNW	.2	.8	1.1	2.0	.6							4.7	10.8
NW	.1	.9	1.2	1.7	.2							4.6	10.2
NNW		.2	1.3	2.2	.4							4.3	12.2
VARBL													
CALM												.7	
	2.0	1.0	27.1	42.8	12.3	2.6	.4	.1				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 3 0	CHICAGO-O'HARE IAP IL	74-83	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

1200-1400 (HOURS (L S T))

CONDITION

SPEED (KNTS.) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.4	.2	2.0	.4	.2	.1					4.3	12.4
NNE	.1	.4	2.2	4.7	2.8	.4	.1					10.8	14.0
NE	.1	.6	2.7	5.4	1.3	.1						10.2	12.6
ENE	.1	.3	2.4	3.2	.3	.1						6.3	11.4
E	.2	.2	2.2	2.3	.4							5.8	10.3
ESE		.2	1.8	1.2	.2	.1						3.7	10.4
SE	.1	.1	.2	1.1	.2							2.4	11.5
SSE		.2	1.6	2.6	.4							5.4	11.0
S	.2	.2	1.8	4.7	1.8	.8	.1					10.1	14.0
SSW	.1	.4	1.2	2.2	1.4	.4						6.0	13.5
SW		.2	1.1	2.6	2.3	.2	.1					7.0	14.3
WSW		.2	1.2	2.6	1.4	.8						6.2	14.8
W		1.4	1.2	4.0	1.9	.3	.1					9.6	12.7
WNW		.2	1.2	2.0	.2							4.6	11.7
NW		.6	1.4	1.3	.2							3.6	10.3
NNW		.6	.2	2.1								3.6	11.2
VARBL													
CALM												.4	
	1.2	5.2	25.2	43.2	16.0	3.6	.6					100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72632 CHICAGO-O'HARE IAP IL 74-83 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER 1500-1700
CLASS HOURS (L S T)

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	2.2	2.8	.7	.3						6.6	13.9
NNE		.7	2.0	5.8	1.6	.6						11.4	13.2
NE		.4	4.1	5.6	1.4	.2						11.8	12.3
ENE		.3	2.0	3.3	.3							6.9	11.1
E		.2	3.4	3.7	.3							7.7	11.1
ESE		.0	3.0	.7	.2	.2						5.0	9.9
SE		.4	.6	.6	.3							2.1	10.6
SSE		.2	1.2	1.7	.1							3.0	11.4
S		.6	2.2	3.9	2.0	.7	.1					9.4	13.9
SSW		.2	1.7	2.4	1.7	.1						6.2	13.4
SW	.1	.4	.2	1.9	.8	.2						4.3	13.2
WSW	.1	.6	.2	2.6	1.4	.8	.2					6.4	15.2
W		.2	1.2	3.3	2.4	.8	.4					9.2	15.5
WNW		.4	2.1	2.2	.6							5.1	11.0
NW	.1	.7	1.1	2.3	.2							4.4	11.0
NNW		.1	.4	1.2								1.6	11.6
VARBL													
CALM	-	-	-	-	-	-	-	-	-	-	-	.3	
	.3	6.2	29.8	43.7	14.3	3.9	.8					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 8 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
APR — MONTH
ALL WEATHER — CLASS
1900-2000 — HOURS (L & F)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.0	2.8	2.6	1.0	.1						7.7	11.1
NNE	.2	.9	4.7	5.3	1.4	.4						12.7	11.8
NE		.4	4.7	3.3	.6							9.1	10.4
ENE		.4	2.9	1.1	.1							4.6	9.8
E		1.4	4.1	1.4	.3	.1						7.4	9.5
ESE	.2	1.9	3.9	.6	.4							7.0	8.4
SE		.6	3.1	.7								4.3	8.2
SSE	.1	.9	1.9	1.2		.1						4.2	9.3
S	.1	.9	3.9	3.7	.9	.3						9.9	11.7
SSW		1.9	1.7	2.4	.4	.1						5.7	11.2
SW	.1	.7	1.2	1.2	.6							3.8	10.4
WSW		.2	2.2	1.9	.7	.3						5.0	11.1
W	.1	1.2	2.2	3.6	1.9	.3	.1	.1				10.1	12.5
WNW	.2	.4	1.6	.8		.1		.2				3.4	10.6
NW		.2	1.6	.9	.2							3.4	9.9
NNW	.1	.1	.9	.9	.1							2.1	10.7
VARBL													
CALM												.6	
	1.5	14.1	42.0	30.7	8.7	2.0	.1	.3				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 900

L DAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94846 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L S T))

CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.0	2.0	2.6	1.2	.1						8.9	10.6
NNE	.1	2.2	4.3	2.4	1.3	.1	.1					12.7	10.5
NE		1.6	3.0	1.1	.1	.3						6.1	9.4
ENE		.6	1.4	1.2	.2	.1						3.7	10.8
E		.2	2.3	1.0	.6	.1						4.9	10.0
ESE	.4	2.4	2.9	1.3								7.0	7.8
SE	.3	1.2	1.3	.4	.1							3.3	7.4
SSE	.6	2.4	1.7	.9	.4							6.0	8.1
S	1.2	3.1	4.2	3.0	.6	.1	.1					13.0	9.3
SSW	.3	1.7	2.1	1.1	.2	.2						6.0	8.9
SW	.3	2.3	2.1	.6	.2							5.4	7.6
WSW	.3	1.3	1.3	.6	.4	.1	.1					4.6	9.3
W	.3	2.3	3.1	3.0	1.6	.3	.1					12.4	11.1
WNW	.3	.9	.8	.4			.2					2.6	9.4
NW		1.1	1.1	1.0								3.2	8.7
NNW		.3	.8	.2	.2							1.6	10.1
VARBL													
CALM												2.7	
	4.4	26.4	36.2	20.8	7.2	1.6	.7					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 900

'L RAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

'' '' CHICAGO-O'HARE IAP IL (STATION / STATION NAME) 74-83 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.7	2.6	2.4	.7	.2	.0					7.8	10.4
NNE	.1	1.5	2.2	3.5	1.6	.4	.1					10.1	12.0
NE	.2	.9	1.2	2.7	.7	.2	.0					7.6	11.2
ENE	.1	.5	2.2	1.6	.3	.1						4.6	10.8
E	.1	.7	2.4	2.0	.5	.1						5.9	10.5
ESE	.1	1.2	2.2	1.2	.2	.1						5.1	9.2
SE	.1	.7	1.4	.7	.2							3.1	8.9
SSE	.2	1.3	1.6	1.4	.2	.0						4.7	9.3
S	.4	1.0	2.0	3.9	1.2	.3	.0					10.6	11.2
SSW	.2	.9	1.7	2.3	.7	.2						5.9	11.3
SW	.2	.9	1.5	1.9	.8	.2	.1					5.5	11.6
WSW	.1	1.2	1.6	1.6	.7	.3	.1	.0				5.8	11.6
W	.2	2.0	2.4	2.9	1.3	.3	.1	.0				9.3	11.3
WNW	.2	1.1	1.6	1.3	.3	.0	.0	.0				4.6	9.7
NW	.1	1.0	1.2	1.4	.2							4.0	9.8
NNW	.2	.4	1.1	1.3	.2	.0	.0					3.0	11.1
VARBL													
CALM												2.3	
	2.5	18.0	32.5	32.1	9.8	2.4	.4	.1				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94-3-2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

0000-0200 (HOURS (L S T))

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	5.3	1.5	1.7	.6		.1					10.3	7.8
NNE	.5	4.4	2.4	2.3	.5	.4						10.6	8.7
NE	.4	2.6	2.4	.4								5.8	6.9
ENE	.2	1.0	1.1	.2								2.5	6.7
E	.2	.5	1.5	.4								2.9	7.9
ESE	.2	2.5	.5	.3								3.5	6.2
SE	.3	1.2	.9	.5								2.7	7.3
SSE	.1	2.0	2.2	.4								4.8	7.2
S	1.2	5.3	3.5	2.2	.4	.1						12.9	7.7
SSW	.3	1.9	2.0	1.0	.2							6.2	8.3
SW	.4	1.9	2.2	.5								5.1	6.8
WSW	.2	3.2	2.2	.3								5.9	6.4
W	.2	4.7	2.5	.5								8.5	6.3
WNW	.2	2.3	.9	.2								4.1	5.5
NW	.2	1.3	1.4	.1								3.5	5.9
NNW	.2	1.6	.6	.2	.3							3.1	7.1
VARBL													
CALM												7.8	
	7.8	41.7	28.4	11.4	2.2	.5	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

...L PAL CLIMATOLOGY BRANCH
...SAFETAC
...AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

... CHICAGO-O'HARE IAP IL (STATION / STATION NAME) 74-83 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	4.5	1.6	2.3	.1							9.6	7.5
NNE	.7	4.1	2.8	1.9	.4	.3						10.1	8.7
NE	.4	2.2	2.3	1.1								5.9	7.8
ENE		1.9	.8	.9								3.5	7.5
E	.1	.8	1.3	.3	.1							2.6	7.5
ESE	.2	1.3	.8	.1	.2							2.6	7.0
SE	.3	1.2	.5	.1								2.2	6.0
SSE	.2	1.9	1.5	.4	.1							4.2	7.1
S	1.2	4.7	4.5	2.6	.2							13.9	7.5
SSW	.2	1.9	2.4	1.7								6.2	8.6
SW	.5	1.5	1.3	.8								4.0	7.2
WSW	.3	2.7	1.5	.8								5.8	6.4
W	1.1	4.9	3.0	.1								9.0	6.0
WNW	.3	2.7	.9	.3								4.7	5.8
NW	.3	1.5	1.3		.1							3.2	6.5
NNW	.3	1.1	.3	.3	.3							3.3	7.5
VARBL													
CALM												9.1	
	6.3	38.9	27.1	13.7	1.6	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

...AL CLIMATOLOGY BRANCH
...AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72383 — STATION | CHICAGO-O'HARE IAP IL — STATION NAME | 74-83 — YEARS | MAY — MONTH

ALL WEATHER — CLASS | 0600-0800 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.5	1.5	2.7	.5							9.0	8.5
NNE	.3	2.4	2.6	2.7	1.6	.1						9.9	10.7
NE	.2	2.2	2.3	1.7	.3							6.7	9.0
ENE		1.2	1.3	1.1	.1							3.4	9.7
E	.3	1.4	1.7	1.4	.1							4.9	8.8
ESE	.1	2.3	1.5	.2								4.1	6.6
SE	.1	1.4	1.9	.2								3.7	7.1
SSE	.2	1.9	1.2	.6								4.0	7.4
S	.8	3.5	5.6	3.7	.1							13.7	8.5
SSW	.5	1.4	2.4	1.9	.4							6.9	9.1
SW	.2	1.3	1.9	1.3	.3	.1						5.1	9.4
WSW	.2	1.1	1.5	2.2	.3							5.7	9.4
W	.4	2.2	2.2	1.2								5.6	7.1
WNW	.4	1.4	2.2	1.2								5.5	7.8
NW	.3	1.5	1.7	.4								4.5	6.6
NNW	.2	1.1	.4	.9	.3							3.1	9.4
VARBL													
CALM												4.3	
	4.2	29.4	33.2	22.9	4.2	.2						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L SAL CLIMATOLOGY BRANCH
...SAFETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

... C CHICAGO-O'HARE IAP IL 74-83 MAY
STATION STATION NAME YEARS MONTH

ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.3	1.5	2.7	.2	.1						6.9	9.8
NNE	.1	1.3	2.3	3.7	1.5	.3						9.1	12.5
NE	.2	1.4	3.3	2.4	1.1	.1						8.5	10.7
ENE	.1	1.2	3.2	1.7	.1							6.3	9.1
E	.2	1.6	2.2	1.9	.1							6.0	9.0
ESE	.1	1.2	1.4	.9	.1							3.9	8.7
SE	.1	1.4	1.5	.3								3.3	7.2
SSE	.4	1.6	1.9	.6								4.6	7.4
S		1.2	4.2	4.5	.9	.5						11.5	11.5
SSW	.1	.6	2.2	3.5	.8	.1						7.4	11.5
SW	.1	1.6	1.9	3.3	.8	.2						8.0	10.9
WSW	.3	1.5	1.3	2.9	.3							6.3	10.1
W	.2	1.6	1.2	3.1	.3	.2						6.7	10.5
WNW	.2	1.1	1.2	1.4								4.0	8.8
NW	.1	.6	1.0	1.1	.1							3.8	9.5
NNW	.1	.6	.9	1.4	.1							3.0	10.1
VARBL													
CALM												.6	
	2.2	21.1	32.2	35.5	6.3	1.6						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: CHICAGO-O'HARE IAP IL — YEARS: 74-83 — MONTH: MAY

CLASS: ALL WEATHER — HOURS (L S T): 1200-1400

CONDITION:

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.5	.9	1.5	.8	.2						4.0	12.5
NNE		1.2	1.9	4.9	1.9	.8	.1					10.9	13.6
NE		1.2	5.1	4.9	1.0	.2						12.4	10.7
ENE		1.1	4.4	2.3	.1							7.6	9.5
E	.1	.8	3.2	1.9	.1							6.1	9.7
ESE	.1	1.1	1.5	.9	.3							4.1	8.8
SE		1.0	1.7	.2								2.9	7.7
SSE	.2	.5	1.5	1.1	.2							3.5	10.0
S	.4	1.3	3.2	4.6	1.5	.8						12.0	12.0
SSW	.2	.6	2.2	3.0	.5	.4						7.0	11.6
SW		1.2	2.2	2.0	1.4	.2						7.1	11.5
WSW	.1	1.1	1.6	1.7	.5	.1						5.2	10.9
W		1.1	2.5	2.4	1.0	.1						7.0	11.5
WNW	.1	.3	1.5	1.7								3.7	10.1
NW	.1	1.1	1.2	1.1	.1							3.7	9.1
NNW		.5	.4	1.1								2.0	9.5
VARBL													
CALM												.6	
	1.2	14.5	35.2	35.4	9.5	2.8	.1					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 930

USAFETAC FORM [illegible] OBSOLETE

L AL CLIMATOLOGY BRANCH
SAFETAC
ATH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CHICAGO-O'HARE IAP IL (STATION / STATION NAME) 74-83 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.0	.8	1.0	1.0	.3						4.1	13.1
NNE	.1	.5	3.4	4.8	2.7	1.0	.1					13.0	13.4
NE		.6	5.0	4.5	.4							11.4	10.5
ENE		.3	5.3	2.5								8.5	9.8
E		.8	8.8	1.4	.1							10.1	9.8
ESE	.1	.5	3.0	1.9	.2							5.8	9.9
SE		.5	1.4	.3								2.3	8.4
SSE		.8	.4	1.1	.3							2.6	10.4
S	.1	1.1	2.5	3.9	1.7	.6						10.0	12.7
SSW		.5	1.5	2.3	.8							5.1	11.8
SW	.1	.4	3.5	2.9	.9	.4						6.6	12.6
WSW	.1	1.2	.9	2.0	.1							4.3	10.1
W	.3	1.1	2.4	2.4	1.0	.1						7.1	11.0
WNW		.5	.6	1.9								3.3	10.7
NW	.1	1.1	.5	1.1	.2							3.2	9.2
NNW	.1	.6	.3	.9	.1							1.9	9.7
VARBL													
CALM												.6	
	1.0	12.6	36.0	36.9	9.5	2.5	.1					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L PAL CLIMATOLOGY BRANCH
SAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 7 2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1900-2000 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.6	2.0	2.5	1.0	.3						6.8	12.0
NNE		2.1	4.7	4.3	1.2	.2	.2					12.4	10.8
NE	.1	2.0	6.1	1.4	.1							9.8	8.4
ENE		1.7	5.2	1.2								7.5	9.0
E		1.6	6.2	1.3	.1							9.8	8.6
ESE	.1	2.1	7.2	.6		.1						10.9	8.0
SE		1.5	2.2	.3								3.9	7.3
SSE	.1	1.4	1.7	.4								3.7	7.3
S		1.7	2.1	3.8	1.0							8.9	11.0
SSW	.1	1.1	1.7	1.5	.1							4.5	9.5
SW	.1	1.2	1.7	1.4	.5							4.7	10.3
WSW	.1	1.2	1.2	1.5	.5							4.4	10.0
W		1.4	1.9	.9	.1							4.7	8.2
WNW	.2	.4	1.2	.8								2.6	8.6
NW	.4	.6	.6	.5								2.3	7.7
NNW		.4	.7	.2	.1							1.4	9.1
VARBL													
CALM												1.1	
	1.2	22.9	46.1	27.6	4.7	.6	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

...T G... CHICAGO-O'HARE IAP IL (STATION / STATION NAME) 74-83 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (LST))

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.5	2.0	1.5	.3	.2	.2					7.7	9.9
NNE	.2	4.5	3.3	2.5	1.1	.2	.1					11.9	9.2
NE	.4	2.3	3.4	.3			.1					7.6	7.0
ENE	.1	2.5	2.5	.3	.1							5.5	7.0
E		1.4	1.8	.5								3.8	7.6
ESE	.2	4.6	1.7	.8	.1							7.6	6.7
SE	.2	4.7	1.7	.3								7.1	6.1
SSE	.2	2.6	1.6	.5								4.7	7.1
S	.4	3.6	3.3	3.1	.3	.1						10.3	9.3
SSW	.4	2.6	1.6	1.1	.2							5.9	7.6
SW		.2	2.8	.5								5.2	7.5
WSW	.3	1.9	1.7	.9								4.8	7.5
W	.3	2.2	2.0	1.0	.1							6.5	7.7
WNW	.2	1.1	.5	.1								2.0	5.5
NW	.3	.8	.6	.3								2.0	7.3
NNW	.2	1.5	1.0	.4	.1							3.2	7.4
VARBL													
CALM												4.0	
	4.5	41.6	33.2	14.2	2.4	.5	.4					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300 CHICAGO-O'HARE IAP IL 74-83 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER ALL

CLASS HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.5	1.5	.0	.6	.1	.0					7.3	9.5
NNE	.2	2.7	3.7	3.4	1.4	.4	.1					11.1	11.0
NE	.2	1.9	3.9	2.1	.4	.0	.0					8.5	9.2
ENE	.1	1.3	3.0	1.3	.1							5.6	8.8
E	.1	1.1	3.0	1.4	.1							5.8	8.9
ESE	.2	2.0	2.2	.7	.1	.0						5.3	7.8
SE	.1	1.6	1.5	.3								3.5	7.0
SSE	.2	1.5	1.5	.7	.1							4.0	7.8
S	.4	2.7	3.7	3.5	.8	.3						11.6	9.9
SSW	.2	1.4	2.1	2.0	.4	.1						6.2	9.8
SW	.2	1.4	1.9	1.6	.5	.1						5.7	9.9
WSW	.2	1.7	1.5	1.5	.2	.0						5.3	8.8
W	.4	2.4	2.3	1.4	.3	.1						6.9	8.4
WNW	.4	1.3	1.2	.6								3.7	7.8
NW	.4	1.1	1.2	.6	.1							3.3	7.7
NNW	.2	1.2	.6	.7	.2							2.6	8.6
VARBL													
CALM												3.5	
	4.4	27.7	34.2	24.1	5.0	1.1	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 7480

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	CHICAGO-O'HARE TAP IL	74-83	JUN

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 0000-0200

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	3.2	1.7	.6	.1							6.8	6.2
NNE	.1	3.0	3.0	1.6	.2							7.9	8.3
NE		1.2	1.5	1.1								3.9	8.5
ENE	.2	.5	.5	.2								1.9	6.4
E		.2	.4	.3								1.7	7.4
ESE	.4	1.4	.7									2.6	5.4
SE	.6	2.1	.7	.1								3.4	5.3
SSE	.4	3.2	1.4	.6	.1							5.8	6.7
S	1.7	6.1	5.6	2.2								15.6	7.1
SSW	.2	3.0	2.4	2.1	.1							8.4	7.9
SW	.7	3.3	2.1	1.1	.2							8.4	7.4
WSW	.2	2.8	2.9	.3								6.6	6.5
W	1.2	2.1	1.6	.4	.1							5.4	5.8
WNW	.2	2.0	.8	.2		.1						4.0	6.0
NW	.2	.2	1.0	.8								3.0	7.6
NNW	.2	.8	.6	.1								1.8	6.2
VARBL													
CALM												9.9	
	9.8	39.9	27.7	11.9	.9	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-82 — YEARS
JUN — MONTH
ALL WEATHER — CLASS
0300-0500 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.2	2.7	.7	.1							7.1	7.0
NNE	.5	2.9	1.8	1.2	.1							6.4	7.4
NE	.3	1.7	1.6	.9								4.1	8.1
ENE	.1	.6	1.0	.1								1.8	6.9
E	.1	1.7	.7	.3	.1							2.9	7.3
ESE	.2	1.1	.4	.2								2.0	6.3
SE	.3	1.9	.8									3.0	5.5
SSE	.2	3.2	1.7	.6								5.7	6.8
S	.7	6.2	4.7	1.9	.1							13.6	7.2
SSW	.2	4.4	2.8	1.6	.1							9.2	7.4
SW	1.1	3.3	3.6	.6								8.6	6.7
WSW	.5	4.4	2.8	.3								8.1	6.4
W	.6	5.2	1.7	.2	.1							7.8	6.0
WNW	1.2	1.9	1.2									4.1	5.2
NW	.3	1.8	.9	.2								3.2	6.0
NNW	.2	1.3	.8	.1								2.4	6.0
VARBL													
CALM												10.0	
	7.1	44.4	29.9	8.7	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION [illegible] CHICAGO-O'HARE IAP IL STATION NAME — 74-83 YEARS — JUN MONTH

ALL WEATHER CLASS

CONDITION

0600-0800 HOURS (L.S.T.)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	3.8	1.8	1.3	.1							7.0	7.7
NNE	.7	1.9	1.9	1.9								6.3	8.0
NE	[illegible]	1.8	2.6	1.0								5.3	8.1
ENE	.1	1.0	1.1	.7								2.9	8.0
E	.7	.7	1.[illegible]	.8								2.7	8.1
ESE	.7	1.4	1.1	.4								3.3	6.9
SE	.6	1.6	2.0	.4								4.6	7.0
SSE	.[illegible]	2.2	2.2	.4								5.2	7.0
S	.7	3.6	6.7	3.3	.4							14.7	8.8
SSW	.5	3.[illegible]	2.4	2.0								7.	8.2
SW	.[illegible]	2.4	3.[illegible]	1.1	.2							7.8	8.2
WSW	.7	2.1	2.[illegible]	1.3								7.0	7.7
W	.8	3.6	3.6	1.9	.3							10.1	8.0
WNW	.6	1.6	1.7	.4								4.2	6.9
NW	.1	1.8	1.[illegible]	.4								3.7	7.4
NNW	.3	.4	.[illegible]	.8	.1							2.4	8.9
VARBL													
CALM												5.1	
	5.3	32.8	36.8	18.3	1.2							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72,3,0	CHICAGO-O'HARE IAP IL	74-83	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS) | 0900-1100 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.7	1.9	1.2								4.7	8.6
NNE	.2	1.0	3.1	1.8	.1	.1						6.3	9.5
NE	.2	1.0	3.3	2.8								7.4	9.8
ENE	.1	1.0	1.6	.4								3.1	7.8
E	.1	.8	1.1	1.2								3.2	9.1
ESE		1.2	1.2	.9								3.6	8.6
SE	.2	1.0	2.0	.2	.2							3.6	7.6
SSE	.1	1.2	1.4	.7	.1							4.1	7.6
S	.4	2.2	4.9	6.1	.9							15.1	10.
SSW	.1	1.4	2.9	2.9	.9							8.2	10.
SW	.4	2.0	4.2	2.1	.6							9.3	9.2
WSW	.1	2.0	3.9	2.1	.6	.1						8.7	9.7
W	.2	2.6	4.1	3.4	.2							10.6	9.3
WNW	.2	1.1	2.2	2.3								5.9	9.7
NW		.1	1.0	.7	.1							1.9	10.1
NNW	.1	.4	.8	.7	.1							2.1	9.4
VARBL													
CALM												2.0	
	2.9	22.0	39.6	29.6	3.8	.2						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
725 30	CHICAGO-O'HARE IAP IL	74-83	JUN

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T.): 1200-1400

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.0	.3	.1	.1						2.3	9.0
NNE		.4	2.1	4.6	.2	.1						7.4	11.7
NE		1.0	4.1	4.1	.3							9.6	10.3
ENE		.6	3.9	.7								5.0	9.0
E	.1	1.4	2.9	1.8								6.1	8.6
ESE		.5	1.4	.8								3.1	9.2
SE	.3	.8	.7	.3								2.1	7.2
SSE		1.3	1.7	.6								3.6	7.9
S	.2	2.1	4.4	4.4	1.3	.2						12.8	10.9
SSW	.2	1.3	2.2	3.9	1.0							8.6	11.1
SW	.1	1.0	3.9	2.8	1.2							8.9	10.7
WSW	.2	1.0	3.1	2.9	1.0	.1						8.3	11.1
W	.1	2.3	3.1	3.9	.6							10.0	10.2
WNW	.1	1.2	2.2	2.3	.4							6.1	10.5
NW	.1	.6	1.9	1.6								4.1	10.0
NNW	.1	.3	.4	.3	.2							1.4	10.0
VARBL													
CALM												.6	
	1.4	16.8	38.8	35.1	6.4	.6						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.2	.9	1.3	.2							2.9	11.2
NNE		.6	2.7	3.4	1.4	.1						8.2	12.2
NE	.1	.7	5.4	5.1	.3							11.7	10.7
ENE		.4	3.7	2.0								6.1	9.9
E		1.0	3.8	2.1								6.9	9.4
ESE		.6	3.6	1.2								5.6	9.1
SE	.1	.7	.4	1.1								2.3	9.6
SSE		1.0	1.1	1.2								3.3	9.1
S	.3	1.2	4.0	4.2	.8							10.6	10.6
SSW		.7	2.9	3.0	.8							7.3	11.3
SW	.3	1.1	2.1	3.2	.1	.1						7.0	10.5
WSW	.1	.7	2.0	2.6	.4	.1						5.9	11.2
W	.1	2.2	3.4	3.2	1.1	.2	.1					10.4	10.9
WNW	.2	1.0	1.8	1.4	.4							4.9	9.8
NW	.1	1.3	1.4	1.4	.1							4.4	9.6
NNW		.6	.9	.1								1.6	7.5
VARBL													
CALM												.9	
	1.7	14.1	40.1	36.8	5.8	.6	.1					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1900-2000 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.6	1.0	1.7	.1							3.4	10.2
NNE		.9	5.6	4.4	.2							11.1	10.2
NE		1.0	6.0	2.4	.1							9.6	9.2
ENE	.1	1.0	4.5	1.0								6.7	8.3
E	.1	1.2	3.6	.1								5.0	7.6
ESE		2.6	5.9	.8								9.2	7.7
SE	.2	2.9	1.4	.1	.1	.1						4.9	7.0
SSE	.2	2.8	1.3	1.0	.1							5.4	7.7
S	.1	1.9	5.2	2.8	.1							10.1	9.1
SSW	.2	1.6	2.4	1.2	.2							5.7	8.7
SW	.2	2.8	2.8	.8								6.6	7.3
WSW	.1	2.7	1.6	1.2	.2							6.0	8.2
W	.2	1.9	2.2	1.9	.4	.1						6.8	9.4
WNW	.1	1.4	1.7	1.1	.1							4.6	8.4
NW	.1	1.2	.7	.1								2.1	6.6
NNW		.8	.3	.6	.1							1.8	6.9
VARBL													
CALM												1.1	
	1.2	27.2	46.4	21.2	1.9	.2						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725340	CHICAGO-O'HARE IAP IL	74-83	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS) — CONDITION — 2100-2300 HOURS (L.S.T.)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.9	2.1	1.1								5.6	7.5
NNE	.4	2.7	3.8	1.3								8.2	8.0
NE	.1	3.6	3.3	1.0	.2							8.2	7.7
ENE	.1	.9	1.1	.2								2.3	7.2
E	.1	1.1	1.9	.7								3.6	7.7
ESE	.1	4.6	2.0									6.7	6.0
SE	.4	5.4	1.6	.1	.1							7.7	5.8
SSE	.7	3.8	1.7	1.0								7.1	6.6
S	.9	5.4	6.9	1.9								14.2	7.4
SSW	.4	3.4	2.6	1.8	.1							8.3	7.8
SW	.7	2.1	2.4	.4								5.6	6.8
WSW	.7	3.3	2.3	.6								6.4	6.8
W	.3	3.4	1.6	.1		.1						5.2	6.3
WNW	.4	1.4	.7	.2		.1						2.9	6.9
NW	.1	1.3	.6									2.0	5.8
NNW	.1	.6	.7	.1								1.4	7.0
VARBL													
CALM												4.1	
	5.7	44.7	34.3	10.6	.4	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] CHICAGO-O'HARE IAP IL — STATION NAME — YEARS: 74-82 — MONTH: JUN

CLASS: ALL WEATHER — HOURS (L.S.T.): ALL

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.5	1.0	.1	.0						5.6	7.9
NNE	.5	1.7	3.5	2.5	.3	.0						7.7	9.5
NE	.1	1.4	3.5	2.3	.1							7.5	9.3
ENE	.1	.8	2.2	.7								3.7	8.4
E	.1	1.1	1.9	.9	.0							4.0	8.3
ESE	.1	1.8	2.1	.5								4.5	7.5
SE	.4	2.5	1.5	.3	.1	.0						4.0	6.7
SSE	.5	2.4	1.6	.7	.0							5.0	7.2
S	.5	3.7	5.3	3.4	.5	.0						13.3	8.8
SSW	.7	2.4	2.6	2.3	.4							7.9	9.1
SW	.5	2.3	3.2	1.5	.3	.0						7.8	8.4
WSW	.3	2.4	2.7	1.4	.3	.0						7.1	8.5
W	.4	3.2	2.7	1.9	.4	.1	.0					8.7	8.5
WNW	.4	1.4	1.5	1.0	.1	.0						4.6	8.2
NW	.2	1.1	1.1	.7	.0							3.1	8.1
NNW	.2	.7	.7	.3	.1							1.9	7.9
VARBL													
CALM	-	-	-	-	-	-	-	-	-	-	-	4.2	
	4.6	35.2	36.6	21.5	2.6	.2	.0					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 7230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ORD — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
ALL — MONTH
ALL WEATHER — CLASS
0000-0200 — HOURS (L S T)
CONDITION

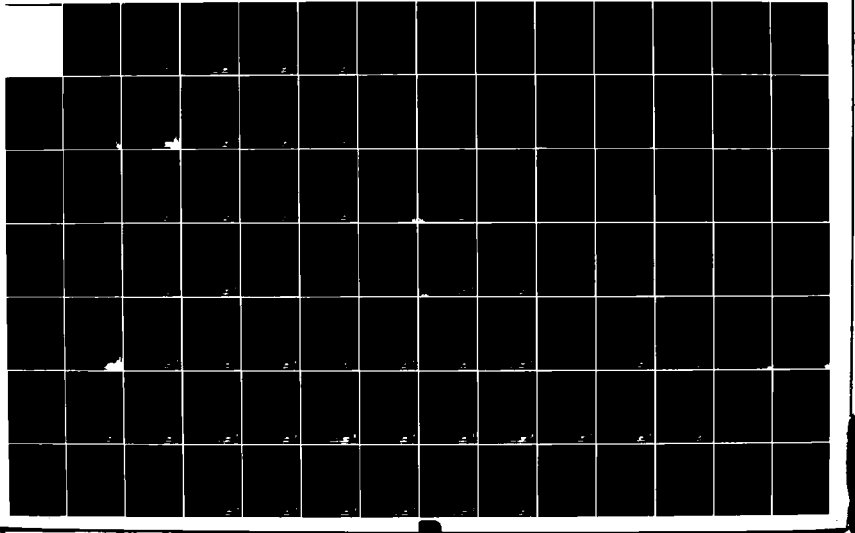
SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	3.4	1.7	.4	.1							6.9	6.0
NNE	.5	3.5	1.6	.4	.1							6.2	6.2
NE	.3	1.6	.9	.2								3.2	6.4
ENE		.6	.4	.1								1.2	6.4
E		.8	.5	.1								1.4	6.8
ESE	.2	1.2	.6	.2								2.3	6.1
SE	.5	2.0	.9									3.5	5.3
SSE	1.2	1.7	.9									3.5	5.0
S	1.2	7.3	5.2	1.1								14.7	6.7
SSW	1.2	2.6	3.7	1.5	.2							8.9	7.8
SW	1.3	4.1	2.5	2.3	.1							10.2	7.4
WSW	1.2	4.3	1.7	.4								7.6	5.8
W	.9	5.6	1.5	.3								8.3	5.6
WNW	1.6	3.2	.2	.1								5.2	4.6
NW	1.1	1.4	.4									2.9	4.6
NNW	.2	1.6	.9	.2								2.9	6.0
VARBL													
CALM												11.0	
	12.4	45.3	23.4	7.4	.5							100.0	5.6

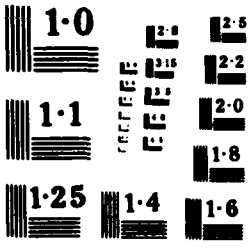
TOTAL NUMBER OF OBSERVATIONS 938

USAFETAC FORM 0-8-OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD A147 206 O'HARE INTERNATIONAL AIRPORT CHICAGO REVISED UNIFORM SUMMARY OF SURFACE W..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84

UNCLASSIFIED USAFETAC/DS-84/033 SBI-AD-E850 751 F/G 4/2 NL




1·0
1·1
1·25
1·4
1·6
2·0
2·2
2·5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	3.1	2.8	.9								7.5	6.9
NNE	.3	3.3	2.2	.9	.1	.1						6.8	7.2
NE	.2	1.1	1.0									2.3	6.3
ENE		.1	.6									.8	8.1
E	.1	.6	.4									1.2	6.2
ESE	.1	1.1	.5									1.7	5.8
SE	.3	1.5	.6	.1								2.5	5.8
SSE	.3	2.2	1.4									3.9	5.8
S	.6	5.7	3.5	1.0								10.9	6.6
SSW	.6	3.2	3.3	1.2	.1							8.5	7.5
SW	.5	4.2	3.7	1.8								10.2	7.3
WSW	1.3	4.8	2.0	1.0								9.1	6.2
W	1.6	7.5	1.6	.1	.1							11.0	5.2
WNW	1.1	3.0	.3									4.4	4.7
NW	.8	3.0	.4									4.2	4.8
NNW	1.9	1.2	.9	.3								3.3	5.9
VARBL													
CALM												11.8	
	9.6	45.7	25.4	7.1	.3	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72330 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) ANN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	3.3	3.1	1.3	.1							8.7	7.3
NNE		2.5	2.8	1.4	.1							6.8	8.1
NE	.3	1.7	2.8	.9	.1							5.8	7.9
ENE	.2	.3	1.4	.3	.1							2.4	8.9
E	.2	.2	.4	.3								1.0	8.4
ESE	.2	.5	.5	.1								1.4	6.5
SE	.3	1.0	.5									1.8	5.6
SSE	.2	2.0	2.6	.4								5.3	7.3
S	.3	5.1	5.5	1.8								12.7	7.5
SSW	.5	2.4	2.8	1.7								7.4	7.7
SW	.3	2.7	3.3	1.6	.1							8.5	7.7
WSW	1.2	4.6	3.2	1.8	.1							11.0	7.3
W	1.2	4.2	3.5	.4								9.4	6.4
WNW	1.2	1.9	1.3	.1								4.5	5.6
NW	.4	1.4	.9	.2								2.9	6.3
NNW	.6	1.6	1.2	.2								3.7	6.1
VARBL													
CALM												6.9	
	8.4	35.5	35.9	12.7	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.3	2.6	1.2	.1							5.4	8.7
NNE	.2	1.4	3.9	2.4	.2							8.1	9.2
NE		1.8	3.4	1.8	.1							7.2	8.7
ENE	.1	.5	2.0	.8								3.4	8.8
E	.2	1.3	1.4	.4								3.4	7.0
ESE	.4	.5	.6	.1								1.7	6.3
SE	.2	.6	1.6	.2								2.7	7.4
SSE	.1	1.3	1.7	.6	.1							3.9	8.1
S	.2	4.1	6.1	2.7	.1							13.3	8.3
SSW	.1	1.7	3.4	2.9								8.5	9.2
SW	.2	1.8	5.1	2.9	.1							10.1	9.1
WSW	.4	3.1	4.4	2.2	.2							10.3	8.3
W	.1	2.6	3.8	2.3	.2	.1						9.0	9.0
WNW	.1	2.4	2.0	.3								4.8	6.8
NW	.2	1.2	1.4	.5								3.3	7.7
NNW	.1	.6	1.1	.6								2.5	8.1
VARBL													
CALM												2.3	
	3.2	26.3	48.9	21.9	1.2	.1						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72830 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	1.1	1.4	1.6								4.1	9.2
NNE		.6	4.0	3.0	.8							8.4	10.8
NE	.2	1.1	4.5	2.5	.2							8.5	9.4
ENE		.6	4.0	.8								5.4	8.7
E	.3	1.3	3.0	1.1								5.7	8.0
ESE	.1	.5	1.1	.1								1.8	7.5
SE	.1	.5	1.0	.2								1.8	7.3
SSE	.1	1.1	1.4	.8								3.3	8.0
S	.5	1.6	4.9	3.1	.2							10.4	9.3
SSW		1.3	3.4	3.5	.3							8.6	10.2
SW	.3	2.4	4.0	3.1	.2							11.0	9.1
WSW	.3	1.8	3.3	2.5	.8							8.7	9.7
W		2.2	4.3	3.7	.2	.1						10.4	9.7
WNW	.2	2.2	2.0	.5								4.9	7.0
NW	.3	1.0	1.1	.8								3.1	8.1
NNW		.6	.3	.4								1.4	8.7
VARBL													
CALM												2.4	
	2.6	19.9	48.7	27.6	2.7	.1						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.4	2.0	.8								3.2	9.6
NNE	.1	.4	4.7	4.8	.2							10.3	11.0
NE	.1	.8	7.2	3.3	.2							11.6	9.5
ENE		1.0	3.9	1.3								6.1	8.8
E		1.1	4.3	1.5								6.9	8.9
ESE		1.0	2.4	.2								3.5	7.9
SE		.8	.6	.1								1.5	7.1
SSE	.1	1.0	1.0	.8								2.8	8.1
S	.3	1.5	4.5	3.7	.2							10.2	9.5
SSW	.1	1.7	4.2	3.0	.4							9.5	9.9
SW	.3	2.5	5.5	2.3	.1							10.6	8.6
WSW	.1	2.2	3.9	1.9	.3							8.4	9.1
W	.3	2.4	3.2	1.5	.2							7.5	8.8
WNW		1.3	1.8	.9	.1							4.1	8.6
NW	.1	.4	1.7	.2								2.5	7.9
NNW		.1	.4	.1								.6	8.7
VARBL													
CALM												.5	
	1.5	18.4	51.4	26.3	1.8							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) ____ (MONTH)

ALL WEATHER (CLASS)

1800-2000 (HOURS (LST))

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.4	1.5	1.3								4.4	8.4
NNE	.1	2.7	5.2	2.5	.1							11.6	8.6
NE		2.0	5.4	1.9								9.4	8.8
ENE	.1	1.7	3.4	.1								5.4	7.2
E		2.4	4.5	.3								7.2	7.6
ESE		2.8	4.3	.1								7.2	7.3
SE		1.8	.5									2.4	6.0
SSE	.1	1.1	1.1	.1	.1							2.5	7.5
S	.3	3.8	6.9	2.0	.3							13.3	8.2
SSW	.3	2.6	3.3	1.2								7.4	7.6
SW	.2	5.1	3.7	.8								9.7	6.9
WSW	.2	2.8	2.0	.5								5.6	6.7
W	.4	2.6	1.6	.4								5.1	6.5
WNW	.1	1.5	.9	.3								2.8	7.0
NW	.2	2.2	1.1	.2								3.7	6.3
NNW		.8	.3	.2								1.3	8.1
VARBL													
CALM												1.2	
	2.4	37.1	46.8	12.0	.5							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7253.0	CHICAGO-O'HARE IAP IL	74-83	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

2100-2300 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.8	1.9	.2	.1							5.7	6.3
NNE	.4	4.6	3.0	.9	.1							9.0	6.8
NE	.3	2.5	2.6	.3								5.6	6.9
ENE		1.5	.9	.1								2.5	6.6
E	.1	1.3	.8									2.2	6.2
ESE	.1	3.8	1.9									5.8	6.0
SE	.3	4.1	.5	.1								5.6	5.1
SSE	1.2	3.0	1.1	.3								5.6	5.5
S	1.4	8.0	5.2	1.5	.1							16.1	6.7
SSW	.1	4.1	3.1	1.2								8.5	7.4
SW	.8	4.8	1.4	1.3	.1							8.4	6.7
WSW	1.2	3.1	1.2	.4								5.9	5.9
W	.9	3.1	1.2	.3								5.5	5.7
WNW	.2	2.4	.2									2.8	5.0
NW	.3	1.5	.3	.1								2.2	5.3
NNW	.2	.5	.8	.1								1.6	6.5
VARBL													
CALM												7.1	
	8.5	51.1	26.0	6.9	.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72243.0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) (BLANK) (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.1	2.1	1.0	.1							5.7	7.5
NNE	.3	2.4	3.5	2.0	.2	.0						8.4	8.7
NE	.2	1.6	3.5	1.4	.1							6.7	8.5
ENE	.1	.8	2.1	.4	.0							3.4	8.2
E	.1	1.1	1.9	.5								3.6	7.7
ESE	.1	1.4	1.5	.1								3.2	6.8
SE	.3	1.5	.8	.1								2.7	5.9
SSE	.4	1.7	1.4	.4	.0							3.8	6.8
S	.5	4.6	5.7	2.1	.1							12.7	7.7
SSW	.3	2.4	3.5	2.0	.1							8.4	8.4
SW	.6	3.4	3.7	2.0	.1							9.8	7.9
WSW	.7	3.3	2.7	1.3	.2							8.3	7.5
W	.7	3.8	2.6	1.1	.1	.0						8.3	7.2
WNW	.5	2.2	1.1	.3	.0							4.2	6.1
NW	.4	1.5	.9	.3								3.1	6.3
NNW	.3	.9	.7	.3								2.2	6.8
VARBL													
CALM												5.4	
	6.1	34.9	37.7	15.3	1.0	.0						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7490

USAFETAC FORM AA 64 0-85 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.5	2.4	.5	.1							5.9	7.1
NNE	.7	1.5	1.9	.6	.1							4.8	7.4
NE		1.5	1.0	.3								2.6	7.1
ENE	.1	.6	1.1	.1								1.9	7.6
E	.7	1.0	.6									1.8	6.5
ESE	.5	.5	.9									1.6	6.6
SE	.1	1.9	.2									2.3	5.1
SSE	.6	3.3	.5									4.8	5.1
S	1.8	8.6	5.8	1.0								17.2	6.4
SSW	1.6	3.8	3.2	1.2	.1							9.8	7.0
SW	.9	3.7	2.9	.2								7.6	6.2
WSW	.6	4.1	1.7	.4		.1						7.0	6.1
W	1.3	6.6	1.4	.2								9.5	5.3
WNW	1.1	3.0	1.0	.1								5.2	5.2
NW	.8	3.1	.8		.1							4.7	5.2
NNW	.5	1.8	.9	.3								3.2	6.4
VARBL													
CALM												9.8	
	12.2	47.8	26.6	5.1	.4	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72363.0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.3	1.5	.1	.1							4.5	6.1
NNE	.3	2.6	1.7	.3								4.9	6.5
NE	.1	1.3	.9	.4	.1							2.8	7.4
ENE	.1	.5	.8									1.4	6.3
E	.2	.6	1.0	.1								1.9	7.1
ESE	.1	1.2	.2									1.5	5.6
SE	.6	.7	1.0									2.5	5.3
SSE	.5	3.2	.5	.1								4.4	5.1
S	1.2	7.7	4.1	.6								14.3	6.1
SSW	.5	4.9	2.9	1.1								9.5	6.8
SW	.9	4.9	2.6	.5								8.9	6.2
WSW	1.0	3.8	2.3	.3								8.3	5.5
W	1.2	5.6	1.2									8.1	5.0
WNW	.5	4.2	.7	.1	.1							5.2	5.1
NW	1.3	3.4	2.0	.3	.1							7.2	5.9
NNW	.2	1.7	1.3	.1								3.3	6.5
VARBL													
CALM												11.3	
	11.1	48.9	24.1	4.2	.4							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-[illegible]0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.2	3.0	.5		.1						8.1	7.2
NNE	.1	1.9	1.6	.6								4.3	7.8
NE	.4	1.6	2.2	.8	.1							5.1	7.6
ENE	.1	.3	1.4	.1								1.9	8.0
E	.3	.3	1.3	.6								2.5	8.3
ESE	.3	.6	1.0	.1								2.0	6.4
SE	.2	1.7	.6									2.6	5.7
SSE	.3	2.9	1.8									4.9	6.0
S	1.1	5.7	5.6	.9								13.2	6.7
SSW	.8	4.5	3.0	1.5	.2							10.0	7.1
SW	1.2	3.0	3.3	2.0								9.6	7.5
WSW	.4	3.7	1.9	1.2								7.2	6.9
W	1.9	3.1	2.8	.8								7.8	5.9
WNW	1.3	2.3	.8	.1								4.6	5.1
NW	.5	2.4	1.3	.4								4.5	6.0
NNW	.3	1.0	1.1	.4								2.8	7.4
VARBL													
CALM												8.8	
	9.6	38.8	33.0	9.8	.3	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AA 64 0-85 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL BAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 30 C — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
AUG — MONTH

ALL WEATHER — CLASS
0900-1100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.7	2.9	1.4								6.3	8.6
NNE	.2	1.4	2.4	1.6	.2							5.8	9.2
NE	.3	.9	3.1	.9	.4							5.6	9.0
ENE	.2	1.4	1.8	1.3								4.7	8.2
E	.1	1.1	1.9	.8								3.9	8.2
ESE	.2	1.3	1.8									3.3	6.8
SE	.4	2.0	1.3	.2								4.0	6.2
SSE	.2	2.6	1.4	.3								4.5	6.9
S	.5	3.8	5.3	3.0	.1							12.8	8.1
SSW	.5	2.4	4.2	2.4	.2							9.8	8.6
SW	.2	2.3	3.7	3.3	.1							9.6	9.0
WSW	.2	1.6	3.4	3.4	.1							8.9	9.2
W	.2	2.9	3.5	1.8								9.1	7.7
WNW	.2	1.7	1.1	.6								4.0	7.0
NW	.1	1.4	1.0	.2								2.7	6.7
NNW	.2	.9	1.1	.4	.2							2.8	8.5
VARBL													
CALM												2.2	
	5.7	29.2	39.8	21.7	1.4							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

AUG
MONTH

1200-1400
HOURS (L S T)

	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	≥56	%	MEAN WIND SPEED
N	•	1	1	1	•																																																4.2	9.4
NNE	•	1	•	•	•																																																6.7	9.2
NE		•	•	•																																																	6.1	10.0
ENE		•	1	•	1																																																5.6	8.7
E	•	1	1	1	•																																																3.7	8.1
ESE		1	1	•																																																3.4	7.8
SE	•	1	1	•																																																2.6	6.7
SSE	•	1	1	•	•	•																																														4.0	8.5
S	•	•	•	•	•	•	•	•																																												12.7	9.3
SSW	•	•	•	•	•	•	•	•																																												10.2	9.7
SW	•	•	•	•	•	•	•	•																																												11.3	9.2
WSW	•	•	•	•	•	•	•	•	•																																											9.1	9.6
W	•	•	•	•	•	•	•	•	•																																												9.7	8.2
WNW		•	1	1	•																																																3.9	8.2
NW	•	•	1	•	•																																																2.6	7.2
NNW		•	•	•	•	•																																																2.5	9.7
VARB																																																									
CALM																																																								.9	
	•	•	•	•	•	•	•	•	•																																														100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13.3.0 STATION — CHICAGO-O'HARE IAP IL STATION NAME — 74-83 YEARS — AUG MONTH

ALL WEATHER CLASS — 1500-1700 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.5	1.7	1.6	.1							3.5	10.0
NNE	.2	1.1	4.2	4.1	.3							9.9	10.3
NE	.1	.6	6.2	3.2	.1							10.1	9.7
ENE		.5	4.4	1.1								6.0	9.0
E		1.5	3.2	.3								5.2	8.1
ESE	.1	.6	1.9	.4								3.1	8.1
SE		.4	1.2	.4								2.0	8.8
SSE		1.4	1.6	.2								3.2	7.2
S		1.6	8.1	4.6	.1	.1						14.5	9.5
SSW		1.1	3.3	3.1	.3							7.8	10.4
SW	.1	1.8	4.5	2.5	.2							9.1	9.1
WSW	.2	1.9	3.9	2.2	.1							8.3	8.8
W	.2	2.3	3.3	1.6								7.4	8.4
WNW	.2	1.4	2.3	.9								4.7	8.0
NW	.1	1.1	1.5	.2								2.9	7.7
NNW		.2	.8	.3	.1							1.4	9.7
VARBL													
CALM												.6	
	1.3	17.6	52.2	26.8	1.4	.1						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72533.0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1900-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	1.7	1.4	.1	.1						4.2	9.7
NNE		1.7	5.9	1.7	.3							9.7	8.9
NE		2.6	6.1	.9								9.5	8.0
ENE	.4	1.6	5.4	.5								8.0	7.6
E		1.1	1.8									2.9	7.4
ESE	.1	1.8	3.6	.1								5.6	7.2
SE	.1	2.3	1.0	.2								3.5	5.9
SSE	.1	1.7	2.4	.1	.1							4.4	7.2
S	.2	6.7	7.5	2.0	.1							16.6	7.7
SSW	.2	4.0	2.5	1.6								8.3	7.7
SW	.1	3.9	3.4	1.2								8.6	7.6
WSW	.2	3.2	1.6	.2	.1							6.0	6.3
W	.3	3.3	1.2	.2								5.7	5.9
WNW	.5	1.3	.9									2.7	5.6
NW		.8	.3									1.1	6.0
NNW		.1	1.3	.4								1.8	9.6
VARBL													
CALM												1.5	
	2.7	36.9	47.4	10.6	.8	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300 CHICAGO-O'HARE IAP IL 74-83 AUG
STATION STATION NAME YEARS MONTH

ALL WEATHER 2100-2300
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.5	1.7	.5								6.2	6.3
NNE	.3	4.2	2.3	.3	.2							7.3	6.6
NE	.1	2.3	2.9	.5								5.7	7.3
ENE		1.4	2.5	.1								4.0	7.1
E	.2	1.0	1.7									2.9	6.8
ESE	.1	2.3	1.1	.3								3.8	6.4
SE	.1	2.3	.9	.2								3.3	6.0
SSE	.5	4.2	1.9	.3								6.9	5.9
S	1.0	10.2	6.6	1.4	.1							19.2	6.6
SSW	.5	4.2	1.9	1.1	.2							8.1	7.1
SW	.2	3.5	2.6	.6	.1							7.1	7.1
WSW	.8	3.5	1.7	.4								5.7	5.9
W	.5	4.7	1.4	.2								6.9	5.6
WNW	.5	1.6	.3									2.5	5.0
NW	.3	2.0	.2									2.6	5.2
NNW	.1	.5	1.2	.3								2.2	7.7
VARBL													
CALM												5.7	
	5.9	51.5	29.8	6.5	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72[illegible] CHICAGO-O'HARE IAP IL 74-83 AUG
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.9	2.1	.9	.1	.0						5.4	7.8
NNE	.3	2.1	2.9	1.4	.2							6.7	8.5
NE	.1	1.5	3.2	1.2	.1							6.2	8.6
ENE	.1	.9	2.6	.5								4.2	8.0
E	.1	.9	1.8	.3								3.1	7.7
ESE	.1	1.2	1.5	.2								3.1	7.0
SE	.3	1.6	.9	.1								2.8	6.2
SSE	.3	2.6	1.5	.2	.0							4.7	6.4
S	.9	5.8	6.1	2.2	.1	.0						15.1	7.5
SSW	.6	3.3	3.2	1.9	.2							9.2	8.0
SW	.5	3.2	3.4	1.9	.1							9.0	7.8
WSW	.6	3.0	2.4	1.4	.1	.0						7.6	7.5
W	.8	4.0	2.2	.9	.0							7.9	6.5
WNW	.6	2.1	1.0	.3	.0							4.1	6.2
NW	.4	1.8	1.0	.2	.0							3.5	6.1
NNW	.1	.9	1.0	.4	.1	.0						2.5	7.9
VARBL													
CALM												5.1	
	6.1	36.8	36.9	14.0	1.0	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7353.0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.6	3.4	1.2								7.7	7.6
NNE	.7	1.2	1.1	1.4								4.1	8.6
NE	.1	1.0	.3	.9								2.2	8.3
ENE		.1	.3	.1	.1							.7	10.3
E		.6	.7									1.2	7.1
ESE		.6	.9									1.4	7.3
SE	.4	.7	.1									1.2	4.7
SSE	.3	2.6	1.4									4.2	6.0
S	1.6	7.4	5.1	2.1								16.2	6.9
SSW	.9	3.3	4.2	1.4	.2							10.0	7.5
SW	1.1	4.6	2.7	1.1								9.4	6.6
WSW	.6	3.9	2.2	.7	.1							7.4	6.6
W	1.7	5.7	2.3	.6								10.2	5.8
WNW	1.1	4.9	1.1	.7								7.8	5.7
NW	.2	2.9	2.3	.2	.1							5.8	6.7
NNW	.1	1.6	1.9	1.1								4.7	8.2
VARBL													
CALM												5.7	
	9.7	43.4	30.2	11.4	.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72830 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	3.1	3.7	1.2								7.6	7.7
NNE	.2	.6	1.4	.6								2.8	7.9
NE		.8	1.1	.7								2.6	8.5
ENE		.6	.2									.8	5.9
E		.2	.3	.1								.7	8.5
ESE		.6	.2	.1								.9	7.1
SE	.1	1.6	.4									2.1	5.4
SSE	.3	4.0	1.2	.1								5.6	5.6
S	.3	7.8	4.9	1.3								14.8	6.8
SSW	.6	2.2	3.9	2.2	.1							9.3	8.2
SW	1.1	4.2	4.1	1.2								10.7	6.9
WSW	1.3	3.2	2.2	.6								7.0	6.7
W	2.1	6.0	2.6	.3								11.0	5.5
WNW	1.1	4.0	1.3	.1								6.6	5.3
NW	1.3	3.1	1.7	.6								6.7	6.1
NNW	.3	2.3	2.3	1.2								6.1	7.9
VARBL													
CALM												5.0	
	9.3	44.2	31.0	10.3	.1							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7[illegible]3_0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.3	4.2	1.3	.1							9.2	7.8
NNE	.2	1.9	1.6	.7	.2							4.4	8.1
NE		.4	1.2	.2	.1							2.0	8.9
ENE		.2	.7	.1								1.0	8.0
E		.4	.3									.8	6.1
ESE		.4	.4	.6								1.4	8.5
SE		1.2	.2		.1							1.5	6.2
SSE	.1	2.3	1.2	.2								4.4	6.6
S	1.1	7.4	6.6	1.2								16.3	6.9
SSW	1.2	2.8	3.4	2.4	.2							9.9	8.1
SW	1.2	3.4	3.4	2.2								10.3	7.6
WSW	.7	3.1	2.9	1.6								8.1	7.8
W	.9	2.7	2.7	1.0	.1							7.3	7.0
WNW	1.3	2.2	2.3	.3								6.2	6.[illegible]
NW	.9	2.2	2.2	1.3	.1							6.7	7.7
NNW	.9	1.4	3.0	1.7	.2							6.6	8.7
VARBL													
CALM												3.7	
	7.8	35.6	36.9	14.9	1.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 T C (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1 (CONDITION) 0900-1100 (HOURS (L.S.T.))

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.2	4.0	2.2	.7							8.9	9.6
NNE	.2	1.3	1.8	1.7	.6	.2						5.6	10.4
NE	.1	.3	1.2	1.9	.1	.1						4.3	10.2
ENE		.4	1.2	.7								2.3	9.1
E	.1	.5	.7	.3								2.0	6.8
ESE	.2	.8	.8	.1	.1							2.0	7.8
SE	.2	.5	.7	.3								2.1	7.1
SSE		1.7	1.8	.6								3.4	7.8
S	.2	2.6	6.8	2.9	.1	.1						12.7	8.8
SSW	.2	1.6	5.6	4.0	.1							11.8	9.6
SW	.1	2.1	5.3	4.4	.4							12.4	10.0
WSW	.2	2.0	3.3	2.7	.4							8.2	9.4
W	.2	2.2	3.1	1.9	.2							7.7	8.9
WNW	.1	1.0	2.4	1.2								4.8	8.8
NW		.6	2.6	2.2								5.7	9.7
NNW	.1	.6	1.9	2.6	.3							5.4	10.8
VARBL													
CALM	-	-	-	-	-	-	-	-	-	-	-	.7	
	2.3	21.6	42.7	29.2	3.1	.4						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM AR 44 0-85 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL RAL CLIMATOLOGY BRANCH
USAFETAC
ATH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72253 C (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.1	2.6	2.3								6.6	9.6
NNE	.1	.9	2.2	4.1	.9							8.2	11.7
NE		.7	2.0	2.1	.1							4.8	10.5
ENE		.4	1.9	.8								3.1	9.0
E	.2	.7	1.1	.7								2.7	8.6
ESE		.8	1.0	.2								2.0	7.6
SE		1.0	1.2	.4								2.7	7.9
SSE	.1	.9	2.2	.7								3.9	8.1
S	.4	1.6	6.7	4.9	.2							14.0	9.7
SSW		1.0	3.0	3.9	.3	.1						8.3	10.9
SW		2.1	4.1	4.6	.4							11.2	10.2
WSW	.2	1.3	3.1	3.3	.6							8.7	10.1
W	.1	1.7	3.8	2.9	.7	.2						9.3	10.6
WNW		.6	2.9	2.3	.1							5.9	10.1
NW		1.2	2.1	1.8	.1							5.2	9.3
NNW	.1	.8	.9	1.8	.1							3.6	10.0
VARBL													
CALM												.4	
	1.4	16.6	40.9	36.8	3.6	.3						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM JUL 64 0 8 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300	CHICAGO-O'HARE IAP IL	74-83	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS) | 1500-1700 (HOURS (L.S.T.))

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7	1.9	1.6	.6							4.7	10.7
NNE	.1	.9	3.4	3.4	1.0							8.9	11.2
NE		.6	4.3	2.3	.2	.1						7.6	10.2
ENE		.4	2.0	.9								3.3	9.1
E		.6	2.4	1.0								4.0	9.1
ESE	.1	.7	2.4	.7								3.9	8.7
SE		.2	.7	.1								1.0	7.9
SSE		.6	1.3	.6								2.8	8.2
S	.5	3.1	7.6	4.4	.3	.1						15.8	9.1
SSW	.1	1.7	3.9	2.4	.3							8.3	9.7
SW	.3	1.8	4.8	3.2	.4							10.6	9.7
WSW		1.7	1.9	2.4								6.0	9.4
W	.3	1.4	3.6	2.8	.2	.1						8.3	9.8
WNW		.9	3.6	1.4								5.9	9.1
NW	.1	.6	2.7	1.4	.2							5.2	9.4
NNW		.1	1.8	1.1	.2							3.2	10.6
VARBL													
CALM												.6	
	1.7	16.3	48.1	29.9	3.6	.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725340	CHICAGO-O'HARE IAP IL	74-63	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.6	3.9	1.7	.2							7.3	9.2
NNE		1.6	3.9	2.6	.1	.1						8.2	9.5
NE		2.2	2.8	1.6	.2							6.8	8.9
ENE	.1	.3	1.8	.2	.1							2.6	8.4
E		.3	2.0	.4								2.8	8.7
ESE	.1	2.2	3.2	.3	.1							6.0	7.6
SE	.2	2.9	1.1	.1								4.3	5.9
SSE	.1	3.9	3.1			.1						7.2	6.6
S	.1	7.3	8.0	1.8	.1							17.3	7.4
SSW	.2	3.7	2.2	1.0								7.2	7.1
SW	.2	3.6	2.8	.4								7.0	6.7
WSW	.3	2.7	1.4	.3	.1							4.9	6.5
W	.2	3.0	1.9	.3								5.3	6.5
WNW	.2	2.1	1.6	.6								4.4	7.0
NW	.1	2.4	2.4	.4								5.4	7.2
NNW		.4	1.4	.9								2.8	9.3
VARBL													
CALM												.3	
	2.1	40.2	43.4	12.7	1.0	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[redacted] CHICAGO-O'HARE IAP IL — 74-83 — SEP

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 2100-2300

CLASS — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.4	4.7	.9								8.2	7.6
NNE	.3	1.9	1.6	1.3	.1							5.2	8.0
NE	.2	.9	2.4	.4								4.0	8.1
ENE		.4	.4	.3								1.2	8.9
E	.1	.3	.7									1.1	6.5
ESE	.3	1.4	.7	.2								2.7	6.2
SE	.1	3.6	1.2	.2	.1							5.2	6.3
SSE		3.2	1.1	.2	.1							4.7	6.3
S	1.3	7.4	7.8	2.7	.1							19.6	7.2
SSW	.1	5.6	2.8	1.0	.1							9.6	6.8
SW	.2	3.8	3.4	1.0								8.4	7.2
WSW	.4	3.4	1.3	.2								5.4	5.8
W	.2	4.7	2.7	.3								8.1	6.0
WNW	.3	2.6	1.3	.3								4.6	6.5
NW	.1	2.9	1.6	.1								4.7	6.2
NNW		1.1	2.3	1.1	.1							4.6	8.7
VARBL													
CALM												2.6	
	5.2	45.7	35.4	10.4	.7							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7313.0	CHICAGO-O'HARE IAP IL	74-83	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

ALL — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.1	3.5	1.6	.2							7.4	8.6
NNE	.2	1.3	2.1	2.0	.4	.0						5.9	9.8
NE	.1	.9	2.0	1.2	.1	.0						4.3	9.4
ENE	.2	.4	1.1	.4	.0							1.9	8.8
E	.1	.5	1.0	.3								1.9	8.1
ESE	.1	.9	1.2	.3	.0							2.5	7.7
SE	.1	1.5	.7	.2	.0							2.5	6.4
SSE	.1	2.4	1.7	.3	.0	.0						4.5	6.7
S	.2	5.6	6.7	2.7	.1	.0						15.9	7.8
SSW	.4	2.9	3.6	2.3	.2	.0						9.3	8.5
SW	.5	3.2	3.8	2.3	.2							10.0	8.3
WSW	.4	2.7	2.3	1.4	.2							7.0	8.0
W	.2	3.4	2.7	1.3	.2	.0						8.4	7.5
WNW	.2	2.3	2.1	.9	.0							5.8	7.2
NW	.2	2.1	2.2	1.0	.1							5.7	7.7
NNW	.1	1.3	1.9	1.4	.1							4.6	9.1
VARBL													
CALM												2.4	
	4.3	32.9	38.6	19.5	1.7	.2						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 7200

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION — STATION NAME — YEARS — OCT MONTH

CLASS — 0900-2200 HOURS (L S T)

CONDITION

SPEED (KNOTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	2.4	•	•							6.3	7.4
NNE	•	1.4	1.7	•	•							3.5	9.0
NE	•	1.2	•	•	•							2.5	7.4
ENE		•	•	•								1.4	9.8
E	•	•	•	1.3								2.6	10.6
ESE	•	•	•		•							1.0	6.8
SE	•	1.1	1.3	•								2.3	6.6
SSE	•	1.7	2.0	1.0								4.8	7.7
S	1.1	3.7	4.7	4.1	•							14.3	8.9
SSW	•	3.0	3.0	2.7	1.5							10.2	8.9
SW	•	2.6	1.7	1.7	•							6.8	8.2
WSW	•	3.7	2.6	1.7	•							9.2	7.7
W	1.1	4.0	3.0	1.6	•	•						11.8	7.6
WNW	•	3.4	2.6	•								7.2	6.7
NW	•	2.5	2.0	•	•							5.9	8.1
NNW	•	1.2	1.0	2.2	•							4.5	9.7
VARBL													
CALM												4.4	
	•	24.1	34.7	31.5	12.5	3.7	•					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] CHICAGO-O'HARE IAP IL — 74-83 — OCT

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 0300-0500

CLASS — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.9	1.5	1.4	.2							4.2	9.7
NNE		.8	1.5	1.0	.5							3.8	10.4
NE	.1	.5	.4	.3								1.4	7.7
ENE	.2	.2	.6	.6								1.7	8.7
E	.2	.4	.6	.9	.1							2.3	9.4
ESE	.2	1.6	.6	.2								2.8	6.1
SE	.6	1.6	1.2	.1								3.5	5.9
SSE	.2	2.8	1.2	.5								4.7	6.8
S	1.1	5.6	4.5	4.3	.6							16.1	8.6
SSW	.5	3.3	2.2	2.7	.3	.2						9.4	8.8
SW	1.1	2.5	1.6	1.8	.2							7.2	7.9
WSW	.5	3.1	2.3	1.5								7.4	7.3
W	.2	5.1	2.7	1.7	.4							10.8	7.7
WNW	.2	3.8	3.2	.5		.2						8.6	7.1
NW	.4	2.2	2.2	.6	.3							5.7	7.8
NNW	.4	.5	2.6	1.7	.2							5.5	9.4
VARBL													
CALM												4.9	
	7.7	34.8	29.2	20.0	3.0	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72253 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.6	1.7	2.3	.5							5.3	11.0
NNE	.3	.5	.6	1.0	.2							2.6	10.1
NE	.1	.5	.8	.8	.2							2.4	10.1
ENE		.3	.3	.5								1.2	9.4
E	.3	.1	.8	1.2	.1							2.5	10.5
ESE		1.0	.7	.4								2.0	7.6
SE	.3	1.5	1.4	.3								3.5	6.8
SSE	.3	2.7	2.2	.9								6.0	7.1
S	.5	4.1	6.8	4.8	.1							16.3	8.7
SSW	.6	2.0	3.0	3.5	.4							9.7	9.4
SW	.8	2.4	2.4	1.4	.8	.1						7.4	9.4
WSW	.8	2.0	2.8	1.1		.1						6.8	7.6
W	1.2	3.1	3.9	2.0	.8							11.0	8.4
WNW	.6	2.7	2.6	1.0								6.9	7.2
NW	.5	2.2	2.5	1.5	.1							6.8	8.1
NNW	.1	.4	2.0	2.7	.4							5.7	11.0
VARBL													
CALM												4.0	
	6.2	26.2	34.3	25.4	3.7	.2						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725360 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.8	2.8	3.4	.4							8.6	10.2
NNE	.1	.8	.8	2.2	.6							4.4	11.7
NE		.3	1.1	1.6	.1							3.1	11.1
ENE		.3	.4	.9	.1							1.7	11.2
E	.1	.2	.5	1.4	.3							2.6	11.7
ESE	.1	.3	1.0	.8								2.2	9.0
SE	.1	.9	2.3	.4								3.7	8.0
SSE	.2	.9	2.8	.5								4.4	8.0
S	.6	1.8	5.8	7.3	.9	.3						16.8	10.9
SSW		1.0	2.8	6.9	.8							11.4	12.1
SW	.3	1.4	2.6	4.4	.8							9.5	11.0
WSW		.9	2.5	2.0	.6	.2						6.2	11.5
W	.2	1.1	2.8	3.3	.9							8.3	11.0
WNW	.3	.2	2.5	2.4	.2							5.6	10.6
NW		.5	2.3	2.8	.3							5.9	10.8
NNW		.6	1.2	3.1	.4							5.4	11.5
VARBL													
CALM												.3	
	2.3	13.0	34.9	47.4	6.5	.5						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AA 64 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72[illegible]0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.8	2.2	1.6	.4							5.1	10.2
NNE	.1	.3	1.5	3.5	.8	.1						6.3	12.2
NE		.6	2.6	1.5	.5							5.3	10.5
ENE		.5	.8	1.1								2.4	9.9
E		.2	1.2	1.4	.2							3.0	11.3
ESE		.3	1.2	.8								2.3	9.3
SE	.3		1.8	.2								2.4	7.9
SSE	.3	.8	2.0	1.1	.1							4.3	9.0
S	.1	2.2	3.7	7.3	1.2	.2						14.6	11.8
SSW	.5	.6	2.3	5.7	1.7	.2						10.8	12.8
SW	.1	1.4	2.5	3.3	1.6							8.9	11.5
WSW	.2	.8	2.2	3.5	1.3	.1						8.1	12.2
W		1.3	2.6	4.3	1.5	.2						9.9	12.0
WNW	.1	.9	1.9	3.1	.5	.3						6.9	11.8
NW		.5	2.0	1.9	.6							5.2	10.9
NNW	.3	.6	1.8	1.3	.2							4.2	9.8
VARBL													
CALM												.5	
	1.9	11.8	32.2	41.7	10.8	1.2						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72230 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.	.2	1.0	1.8	.5							4.4	11.5
NNE	.	.4	3.0	4.0	.4							7.8	11.5
NE	.	.2	3.3	1.2	.3							5.1	10.1
ENE	.	.4	3.2	1.2	.4							5.3	10.1
E	.	.6	2.2	2.4	.1							5.3	10.2
ESE	.1		1.0	.9	.2							3.0	10.2
SE	.1	.2	.9	.2								1.4	8.6
SSE		.2	2.0	.6								2.9	9.4
S	.	1.4	5.1	6.6	1.7	.1						14.8	11.6
SSW	.	1.4	2.4	3.2	.8	.1						7.8	11.0
SW	.5	1.0	2.8	4.0	1.2	.1						9.6	11.4
WSW	.4	1.4	2.0	3.1	.4							7.4	10.3
W	.3	2.0	2.9	3.3	.8							9.4	10.0
WNW	.	1.6	2.3	2.7	.9							7.4	10.8
NW	.	1.2	1.4	1.6	.1							4.3	9.3
NNW	.1	.2	.5	1.3	.4							2.6	11.9
VARBL													
CALM												1.5	
	1.6	12.6	37.6	38.1	8.3	.3						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 [illegible] C (STATION) CHICAGO-O'HARE TAP IL (STATION NAME) 74-83 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.6	3.7	1.8	.2							7.4	9.1
NNE	.1	1.4	2.4	1.5	.3							5.7	9.4
NE		2.0	3.1	.6								5.8	7.8
ENE		.9	2.9	.2								4.0	8.2
E		.8	2.8	.5	.5	.1						4.4	10.1
ESE		.6	1.9	.3	.2							3.0	9.1
SE		.8	1.8	.5	.2							4.3	7.6
SSE	.1	1.9	2.8	1.2	.2							6.2	8.6
S	.4	2.8	7.8	4.1	1.4							15.7	9.7
SSW	.3	2.6	3.2	2.9	.6							8.6	9.4
SW	.3	2.2	2.7	1.5								6.6	8.0
WSW	.3	2.6	2.9	1.6	.1							7.3	8.3
W	.4	3.0	2.4	1.4	.1							8.4	7.4
WNW		1.9	1.6	1.2	.1							4.8	8.6
NW	.1	1.8	.9	.5								2.9	7.4
NNW		1.1	1.0	.8	.1							3.9	8.6
VARBL													
CALM												1.0	
	2.3	29.2	43.5	19.9	4.2	.1						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72383 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.6	3.1	1.7								7.5	8.2
NNE	.2	1.4	1.4	.6	.4							4.1	8.6
NE		1.4	1.6	.4								3.4	7.6
ENE		.2	.6	.3	.1							1.3	9.5
E		.4	1.3	.5	.4							2.7	10.6
ESE		.9	1.2	.5								2.6	8.0
SE		1.7	.9	.4	.1							3.1	7.6
SSE	.2	1.4	1.7	1.0	.2							4.5	8.6
S	.5	3.8	6.5	4.1	.6							15.6	9.0
SSW		2.3	3.7	3.2	1.4							10.5	10.8
SW	.6	2.5	2.5	.9	.3							6.8	7.8
WSW	.2	4.2	2.6	1.9								8.9	7.7
W	.2	6.0	2.5	1.3	.2							10.2	7.3
WNW	.3	2.9	1.9	1.1								6.2	7.2
NW	.5	1.9	1.9	.9	.1							5.5	7.6
NNW		.4	2.0	1.1	.3							3.9	9.9
VARBL													
CALM												3.1	
	3.2	34.0	35.4	20.0	4.3							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72187 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.4	2.4	1.9	.3							6.1	9.5
NNE	.1	.9	1.6	1.8	.5	.0						4.8	10.6
NE	.0	.9	1.7	.8	.2							3.6	9.2
ENE	.0	.4	1.2	.7	.1							2.4	9.5
E	.1	.4	1.2	1.2	.2	.0						3.2	10.5
ESE	.1	.7	1.2	.5	.1							2.5	8.3
SE	.3	1.1	1.4	.3	.0							3.0	7.3
SSE	.3	1.5	2.1	.8	.1							4.7	8.1
S	.5	3.2	5.5	5.3	.9	.1						15.5	9.9
SSW	.3	2.1	2.9	3.7	.9	.1						9.8	10.5
SW	.5	2.0	2.3	2.4	.6	.0						7.8	9.6
WSW	.4	2.3	2.5	2.1	.3	.1						7.7	9.0
W	.5	3.4	3.0	2.4	.6	.0						10.0	8.9
WNW	.3	2.2	2.3	1.6	.2	.1						6.7	8.7
NW	.3	1.5	1.9	1.3	.2							5.3	8.8
NNW	.1	.6	1.6	1.8	.3							4.4	10.2
VARBL													
CALM												2.5	
	3.9	24.6	34.7	28.5	5.5	.4						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94822 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0000-2200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.7	2.2	1.7	.7							6.2	9.8
NNE	.1	.7	.9	.9	.1							2.6	9.7
NE		.2	1.0	.9	.1	.1						2.3	10.9
ENE		.4	.6	1.1								2.3	10.0
E		.2	.6	.6	.1							1.4	10.6
ESE		.1	.9	.7								1.6	10.5
SE	.1	.6	1.0	.6								2.2	8.2
SSE	.4	2.1	2.1	1.0								5.7	7.5
S	.7	3.7	4.4	3.1	.7	.1						12.7	8.9
SSW	.6	1.9	3.6	3.2	.7	.1						10.0	9.8
SW	.2	2.7	2.3	2.0	.1							7.3	8.5
WSW	.4	2.8	3.7	3.0	.4	.1	.1					10.6	9.2
W	.6	4.2	3.6	2.8	.8							11.9	8.6
WNW	.4	3.3	2.0	1.9	.1							7.8	7.7
NW	.1	2.7	1.9	1.3	.1							6.1	8.1
NNW	.2	.6	2.3	1.7	.9							5.7	11.0
VARBL													
CALM												3.7	
	4.1	27.8	32.9	24.3	4.8	.4	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 ? 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.7	1.9	1.2		.3						6.4	9.1
NNE	.1	1.2	.9	.7	.2	.1						3.2	8.8
NE		.7	1.0	1.7	.1							3.1	10.8
ENE	.0	.7	.4	.7	.1							1.8	9.3
E		.7	.4	.8								1.6	10.6
ESE		1.2	.8	.4	.2							2.7	8.6
SE	.4	1.2	1.0	.3								3.0	7.0
SSE	.4	2.4	1.5	.9	.2							4.9	7.6
S	.1	3.3	4.3	2.4	.3	.1						11.8	8.5
SSW		2.8	3.6	2.8	.2	.1						9.9	9.1
SW	.7	2.0	2.7	1.6	.2	.1	.1	.1				7.4	9.2
WSW	.7	2.4	2.9	1.6	.3	.1						7.7	9.0
W	.6	6.1	3.7	1.0	.6	.1						14.0	8.3
WNW	.4	2.6	2.4	1.9								7.1	8.4
NW	.9	3.0	1.8	1.4	.1							7.1	7.8
NNW		.7	1.2	1.6	.3							3.8	11.3
VARBL													
CALM												4.6	
	4.9	31.3	32.3	22.9	3.0	1.0	.1	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0600-1800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.4	2.9	1.1	.1	.1						5.9	8.8
NNE		1.1	1.2	.6	.8							3.7	10.3
NE	.1	.4	.6	1.0	.2							2.3	10.3
ENE		.1	.8	1.0								1.9	11.1
E	.1	.1	.3	.8								1.3	10.1
ESE	.1	.0	.0	.3								2.2	7.4
SE	.4	.9	1.0	.4	.1							2.9	7..
SSE	.1	2.2	1.4	1.0	.2							5.0	8.2
S	.4	3.7	5.4	2.7	.6	.1						12.9	8.9
SSW	.2	2.4	3.1	2.3	.1	.2						8.6	9.0
SW	.8	2.0	2.0	2.1	.2	.1						8.1	8.7
WSW	.5	2.8	4.9	3.1	.6	.1	.2					12.2	9.5
W	.7	3.6	3.8	2.9	.6	.1						11.6	9.0
WNW	.3	2.4	2.1	1.6	.1							6.6	8.3
NW	.4	2.3	1.7	1.6	.1	.1						6.2	8.5
NNW	.2	.7	1.8	1.6	.6	.1						4.9	10.6
VARBL													
CALM												3.8	
	5.0	27.1	38.7	24.0	4.2	1.0	.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 900

GL RAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7[illegible]3 C — CHICAGO-O'HARE IAP IL — 74-82 — NOV
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 0900-1100
CLASS — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.1	3.0	1.3	.3	.1						6.1	9.6
NNE		.9	.7	.9	.4	.2						3.1	11.6
NE		.6	1.2	1.7	.3							3.8	10.6
ENE	.1	.1	.6	.4								1.2	9.5
E		.2	.7	1.0								1.9	10.3
ESE		.3	.6	.2								1.1	8.0
SE		.6	1.8	.7								3.3	8.9
SSE		1.2	1.4	1.6	.1							4.7	9.5
S	.3	2.1	5.3	4.8	.9	.1						13.2	10.4
SSW	.3	1.3	3.3	4.2	.8							9.7	10.9
SW	.3	1.4	4.3	3.4	.7	.1						10.0	10.3
WSW	.1	1.3	4.3	2.9	.8	.2						9.8	10.5
W	.4	1.4	5.3	5.2	1.1	.6						13.8	11.3
WNW	.2	.8	2.0	2.2	.3							6.4	10.2
NW		.6	1.4	2.6	.2							5.1	10.9
NNW	.1	.8	1.3	1.7	1.4							5.3	12.1
VARBL													
CALM												1.4	
	2.2	15.9	36.0	34.8	7.4	1.3						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72363 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | NOV MONTH

ALL WEATHER CLASS | 1200-1400 HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.3	1.6	1.4	.9	.1						5.4	10.8
NNE	.1	.4	1.2	1.3	.4	.3						3.9	12.2
NE		.6	1.2	1.2	.1							3.6	9.9
ENE	.1	.7	.7	1.3								2.4	10.3
E	.1	.3	1.2	.4	.3							2.2	10.6
ESE	.1	.2	.4	.2	.1							1.1	8.7
SE		.3	.9	.6								1.8	9.6
SSE		.6	1.9	1.8	.4							4.7	10.4
S		1.7	5.8	5.1	.4	.4						13.4	10.9
SSW		.7	2.7	5.3	1.1							9.4	12.1
SW	.1	1.2	4.1	4.7	2.0	.1						12.2	11.9
WSW		.6	3.4	4.8	1.1	.2	.1					10.2	12.6
W	.2	1.6	4.2	6.8	.8	.6						14.1	11.5
WNW		.7	2.2	2.4	.3							5.4	10.8
NW		.6	1.8	2.3	.6							5.2	11.4
NNW		.6	1.7	1.6	.4	.3						4.1	12.0
VARBL													
CALM												.7	
	.9	11.2	34.6	41.3	9.1	2.1	.1					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L CAL CLIMATOLOGY BRANCH
SHEPPARD
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] CHICAGO-O'HARE IAP IL (STATION NAME)
YEARS: 74-83
MONTH: NOV
CLASS: ALL WEATHER
HOURS (L.S.T.): 1800-2000
CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.2	3.[illegible]	1.8	.1	.2						6.3	9.8
NNE		1.1	1.[illegible]	1.[illegible]	.7	.2						4.9	11.3
NE		.3	1.[illegible]	.6	.[illegible]							3.0	9.1
ENE		.4	.4	1.1	.3							2.4	11.4
E	.1	.1	.6	1.2	.3	.2						2.4	13.1
ESE		.[illegible]	.[illegible]	.[illegible]	.1	.1						2.1	10.5
SE		1.6	1.1	1.[illegible]								3.8	8.6
SSE	.1	1.[illegible]	2.4	.6								5.0	7.4
S	.[illegible]	.[illegible]	4.[illegible]	[illegible].9	1.1	.1						13.9	9.4
SSW		.[illegible]	[illegible].[illegible]	[illegible].3	.2	.1						8.6	9.0
SW	.[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]								9.2	8.3
WSW	.[illegible]	[illegible].6	[illegible].[illegible]	[illegible].6	.3	.6						11.0	9.5
W	.[illegible]	.[illegible]	[illegible].[illegible]	4.3	.4	.3						13.1	9.9
WNW	.[illegible]	1.[illegible]	1.6	1.[illegible]	.[illegible]							5.4	8.1
NW	.[illegible]	.[illegible]	1.[illegible]	1.[illegible]	.1							4.2	9.8
NNW		.4	1.[illegible]	1.1	.1							3.0	10.0
VARBL													
CALM												1.3	
	[illegible].[illegible]	[illegible].[illegible]	35.1	[illegible].9	4.8	1.9						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 900

[illegible] OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72383 / STATION — CHICAGO-O'HARE IAP IL / STATION NAME — 74-83 / YEARS — NOV / MONTH

ALL WEATHER / CLASS — 2100-2300 / HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.2	2.4	1.1	.3	.1	.1					5.4	10.1
NNE		1.0	.9	.9	.3	.2	.1					3.4	11.6
NE	.1	.2	.4	1.0	.4							2.2	12.0
ENE		.2	.6	.9	.2							2.0	10.8
E	.1	.1	.2	.9	.4	.2						2.0	14.6
ESE	.1	.2	1.0	.7	.1							2.1	10.0
SE	.2	.8	2.3	.8								4.0	8.6
SSE	.1	1.7	1.8	.4	.1	.1						4.3	8.0
S	.4	4.1	5.8	3.2	.6	.4	.1					14.7	9.4
SSW		2.2	3.2	3.0	.7							9.1	9.9
SW		3.1	2.6	1.8	.6							8.0	8.8
WSW	.1	1.8	2.8	1.7	1.1	.3						7.9	10.6
W		4.8	3.4	4.0	.8	.3						13.3	9.5
WNW	.1	2.6	2.1	1.1	.4	.1						6.4	8.8
NW	.2	1.7	2.6	1.8	.2	.1						6.6	8.9
NNW	.1	1.1	1.8	1.4	.6							5.1	10.3
VARBL													
CALM												3.3	
	1.7	27.0	34.9	24.8	6.9	2.0	.3					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72532 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.2	2.5	1.4	.4	.2	.0					5.4	9.9
NNE	.0	.9	1.1	1.0	.4	.2	.0					3.7	10.9
NE	.0	.6	1.2	1.1	.2	.0						3.0	10.3
ENE	.1	.3	.7	1.0	.1							2.1	10.5
E	.1	.2	.7	.8	.2	.1						2.0	11.4
ESE	.0	.5	.7	.5	.1	.0						1.9	9.3
SE	.2	.8	1.2	.6	.0							2.8	8.3
SSE	.1	1.6	1.9	1.0	.2	.0						4.8	8.5
S	.4	3.1	5.4	3.6	.7	.2	.0					13.3	9.6
SSW	.2	2.1	3.3	3.2	.6	.1						9.5	10.0
SW	.3	2.2	3.3	2.8	.6	.1	.0	.0				9.1	9.7
WSW	.2	2.2	3.6	3.0	.7	.2	.1					9.9	10.2
W	.4	3.4	3.9	4.2	.8	.3						13.0	9.9
WNW	.2	2.0	2.2	1.8	.2	.0						6.5	8.9
NW	.2	1.6	1.8	1.8	.2	.0						5.7	9.2
NNW	.1	.6	1.5	1.6	.6	.1						4.5	11.2
VARBL													
CALM												2.4	
	2.7	23.2	38.9	29.3	5.9	1.4		.0				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72363 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.3	2.5	1.2	.3	.3						5.7	10.1
NNE	.3	.1	.5	.8	.1	.1						1.8	11.3
NE		.6	.9	.4	.1							1.9	9.1
ENE		.2	.5	.5	.2							1.5	11.5
E	.1	.3	.8	.5	.2							1.9	10.2
ESE		.8	1.2	.8	.1							2.8	9.0
SE	.2	1.1	.6	.5	.3							2.8	8.9
SSE	.1	1.8	1.7	.5	.1							4.3	7.5
S	.5	3.9	4.3	2.9	.6	.5	.1					12.9	9.6
SSW	.2	2.4	3.5	2.5	.8	.1						9.5	9.6
SW	.2	2.3	2.3	3.2	.3							8.3	9.6
WSW	.8	3.1	3.1	1.4	1.1							9.5	8.8
W	1.1	3.0	5.2	2.7	1.4	.2						13.5	9.5
WNW	.2	1.8	3.7	1.2	.2							7.1	8.5
NW		1.7	4.0	2.2	.5							8.4	9.5
NNW	.1	1.1	2.5	1.9	.1							5.7	9.6
VARBL													
CALM												2.4	
	3.9	25.5	37.1	23.2	6.6	1.3	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM JUL 64 0 8 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.5	2.4	1.4	.5							5.6	9.6
NNE	.1	1.1	.5	1.0	.2							2.9	9.5
NE		1.2	.3	.4	.1	.3						2.4	9.9
ENE			.5	.1								.8	8.9
E		.2	.6	.4	.2							1.5	10.9
ESE		.8	1.3	.9	.1							3.0	9.1
SE	.2	.8	1.3	.5								2.8	8.2
SSE	.2	1.7	1.8	.3		.1						4.2	7.4
S	.6	2.8	5.5	2.3	.9							12.0	8.8
SSW	.5	2.2	1.9	3.4	.8	.1						9.0	10.4
SW		1.9	3.0	2.9	.5							8.4	10.0
WSW	.3	2.4	2.2	1.2	.6							6.7	8.8
W	.5	4.1	5.4	2.4	.9	.6						13.9	9.3
WNW	.4	3.2	4.5	1.1		.1						9.4	7.9
NW	.2	1.6	4.1	1.6	.1							7.6	8.7
NNW	.1	.6	1.7	2.6	.5	.1						5.7	11.4
VARBL													
CALM												4.0	
	3.4	26.0	37.2	22.5	5.5	1.4						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.8	2.2	2.6	.5	.4						7.7	10.6
NNE		.5	.3	.1	.2	.1						1.3	10.8
NE	.1	.4	.1	.6	.2	.1						1.6	11.7
ENE	.2	.3	.1	.5								1.2	8.5
E		.7	.6	.4								1.3	10.0
ESE		.8	1.1	.4	.1							2.4	8.6
SE	.7	1.1	.8	1.0	.1							3.1	8.7
SSE	.2	2.7	1.3	.6								4.8	6.7
S	.1	2.9	5.1	2.8	.3	.1						11.3	9.1
SSW	.2	1.7	2.4	3.5	1.1	.2	.1					9.2	11.4
SW	.1	2.0	3.2	2.5	.3	.2						8.4	9.7
WSW	.5	2.5	2.9	1.8	.4							8.2	8.7
W	.5	5.3	5.2	2.6	1.0	.2						14.7	8.7
WNW	.5	2.6	3.2	1.4	.4	.1						8.3	8.6
NW	.5	1.2	3.7	1.6	.1	.1						7.2	8.5
NNW	.1	.6	2.4	2.2	.5	.3						6.1	11.5
VARBL													
CALM												3.1	
	3.7	26.7	38.4	24.7	5.4	1.9	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72,330 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.3	2.6	2.7	.6							7.4	10.0
NNE	.2	.4	.4	.3	.3							1.7	9.3
NE		.6	.7	.1	.5	.2						1.7	12.5
ENE		.1	.8	.5	.1							1.5	10.4
E		.4	.6	.5								1.6	9.0
ESE		1.0	.5	.5								2.0	8.4
SE		1.2	1.2	.4	.1							2.9	8.1
SSE		1.3	1.4	1.1	.1							3.9	8.9
S		2.6	3.4	5.3	.8							12.0	10.3
SSW	.2	.4	2.3	4.2	1.4	.2						8.7	12.8
SW	.1	1.4	3.4	2.8	1.1	.3		.1				9.2	11.2
WSW	.5	1.6	3.3	2.8	.5							8.8	9.7
W	.9	3.2	5.3	4.0	1.3	.3						14.8	10.0
WNW	.4	1.5	3.3	2.4	.5							8.2	9.5
NW	.2	1.7	2.4	1.8	.5							6.7	9.6
NNW	.4	.9	1.3	2.8	1.0	.4						6.8	11.9
VARBL													
CALM												1.9	
	3.1	19.7	32.5	32.3	8.9	1.5		.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.1	2.3	1.8	.3	.1						5.6	10.4
NNE		.5	1.1	.2	.4	.2						2.5	11.3
NE		.6	1.2	.2	.3							2.4	9.3
ENE		.1	.6	.5	.2							1.5	11.9
E		.2	.8	.6	.1							1.7	10.3
ESE	.1	1.1	1.1	.5	.1							2.9	8.3
SE	.3	.8	.6	.4								2.2	7.4
SSE		.6	1.4	1.0	.1							3.1	9.6
S	.1	1.2	4.6	4.1	1.2	.1						11.3	11.0
SSW	.1	1.1	3.0	4.6	1.6							10.4	12.2
SW	.2	1.3	3.3	4.3	1.0							10.1	11.0
WSW	.2	1.2	3.9	4.1	.9	.2	.1					10.5	11.1
W	.3	1.9	6.0	6.3	1.8	.1						16.6	11.1
WNW		1.7	1.9	2.9	.2							6.8	10.1
NW	.1	1.1	1.9	2.6	.4							6.1	10.4
NNW		.6	1.3	2.0	1.2	.4						5.6	13.4
VARBL													
CALM												.8	
	1.5	15.2	35.1	36.3	9.9	1.2	.1					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AR 84 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72363 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOUR (L.S.T.))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.7	2.6	1.2	.5							6.1	9.3
NNE	.1	.4	1.1	.5	.5	.1		.1				2.9	12.0
NE		.4	1.4	.5	.1							2.5	9.0
ENE		.2	.5	.5	.1	.1						1.5	10.8
E		.3	1.3	1.5								3.1	11.0
ESE		.6	.9	.5	.3							2.4	10.1
SE		.2	1.2	.3								1.7	8.8
SSE		1.2	.7	1.6	.1							4.6	9.1
S	.4	1.8	4.7	3.3	1.3	.1						11.7	10.4
SSW	.7	2.0	2.8	3.4	1.0	.2						9.8	10.7
SW	.2	1.0	3.7	2.7	.5							8.1	10.3
WSW	.1	1.9	4.3	4.5	.6							11.5	10.6
W	.4	3.9	4.1	4.8	1.3	.4						14.9	10.3
WNW	.2	1.4	2.4	2.4	.3							6.7	9.8
NW	.1	.6	1.8	1.9	.4							4.9	10.7
NNW	.3	.1	1.9	2.2	.9	.1						5.5	11.7
VARBL													
CALM												2.0	
	2.4	18.0	36.3	32.0	8.1	1.1		.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AR 66 0 8 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 [illegible] CHICAGO-O'HARE IAP IL — 74-83 — DEC

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 1800-2000

CLASS — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.6	2.6	.5	.3		.1					5.4	9.0
NNE		.6	.9	.8	.3		.2					2.8	11.8
NE		.5	1.5	.5								2.6	8.6
ENE			.3	.6	.1							1.1	12.3
E			.9	1.0	.3							2.2	12.6
ESE		.4	1.0	1.3	.1							2.8	10.8
SE		.8	1.7	.3	.1							2.9	8.5
SSE	.2	.6	1.3	1.2								3.3	9.0
S	.1	2.9	6.3	4.0	1.4							14.7	10.2
SSW	.1	.8	3.7	2.4	1.2	.1						8.2	11.1
SW	.4	2.2	2.8	1.1	.9							7.3	9.0
WSW	.3	3.1	3.7	2.9	1.0	.1						11.1	9.6
W	.5	3.7	3.5	2.8	1.3	.3						12.1	9.9
WNW	.4	1.8	2.9	2.4	.3							7.9	9.3
NW	.3	1.4	2.0	2.2	.4	.1						6.5	9.8
NNW		.4	2.7	2.9	.4							6.5	10.9
VARBL													
CALM												2.7	
	2.7	20.9	37.6	26.9	8.2	.6	.3					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 927

USAFETAC FORM AA 64 0 8 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 30 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

CONDITION

2100-2300 (HOURS (LST))

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6	1.7	1.6	.1	.1						4.2	10.5
NNE		1.2	.5	.2	.2	.2		.1				2.5	10.6
NE		.3	1.4	.6								2.4	9.1
ENE		.1	.5	.4								1.1	10.0
E	.1	.2	.7	1.3	.2							2.0	11.9
ESE		.9	1.2	.8	.3							3.1	9.6
SE		1.2	1.5	.8	.3							3.6	9.7
SSE	.2	1.6	1.0	.4								4.2	7.2
S	.5	3.1	5.5	3.9	.8	.2						14.1	9.5
SSW	.3	1.4	3.6	3.3	.9	.2						9.7	10.8
SW	.2	1.6	3.7	2.9	.2	.1						8.1	9.9
WSW	.4	2.3	2.8	2.4	.6							8.7	9.3
W	.8	3.0	3.9	3.9	1.0	.3						12.8	9.9
WNW	.1	2.2	3.7	2.5	.4							8.8	9.2
NW	.2	1.8	3.7	2.0								7.8	8.7
NNW		.4	1.4	2.5	.3							4.6	11.3
VARBL													
CALM												2.2	
	1.2	21.8	36.6	29.6	5.4	1.2		.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 927

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72530 CHICAGO-O'HARE IAP IL 74-83 DEC
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.4	2.3	1.6	.4	.1	.0					6.0	9.9
NNE	.1	.6	.7	.6	.3	.1	.0	.0				2.3	10.9
NE	.4	.6	.9	.4	.2	.1						2.2	9.7
ENE	.2	.1	.5	.5	.1	.0						1.3	10.7
E	.3	.2	.7	.8	.1							1.9	10.9
ESE	.3	.8	1.0	.7	.1							2.7	9.3
SE	.1	.8	1.1	.5	.1							2.7	8.6
SSE	.1	1.5	1.6	.8	.1	.0						4.1	8.1
S	.3	2.6	4.8	3.6	.9	.1	.0					12.5	9.9
SSW	.3	1.5	2.9	3.4	1.1	.1	.0					9.3	11.1
SW	.2	1.7	3.1	2.8	.6	.1		.0				8.5	10.1
WSW	.4	2.3	3.3	2.6	.7	.0	.0					9.4	9.7
W	.6	3.5	4.8	3.7	1.2	.3						14.2	9.9
WNW	.3	2.0	3.2	2.0	.3	.0						7.9	9.1
NW	.2	1.4	2.9	2.0	.3	.0						6.9	9.4
NNW	.1	.6	1.9	2.4	.6	.2						5.8	11.5
VARBL													
CALM												2.4	
	3.7	21.7	35.9	28.4	7.2	1.3	.1	.0				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 7434

USAFETAC FORM 0-8-5 (GL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | ALL MONTH

ALL WEATHER CLASS | ALL HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.6	2.4	1.6	.4	.1	.0	.0				6.4	9.5
NNE	.1	1.4	2.1	1.8	.5	.1	.0	.0				6.1	10.3
NE	.1	1.0	2.3	1.5	.3	.1	.0					5.3	9.8
ENE	.1	.5	1.6	1.0	.1	.0						3.2	9.6
E	.1	.6	1.5	1.0	.2	.0						3.4	9.7
ESE	.1	1.0	1.4	.6	.1	.0						3.2	8.4
SE	.2	1.1	1.1	.4	.1	.0						2.9	7.7
SSE	.2	1.6	1.7	.8	.1	.0						4.4	8.0
S	.5	3.2	4.7	3.4	.7	.1	.0	.0				12.6	9.4
SSW	.3	1.9	2.7	2.6	.6	.1	.0					8.2	10.0
SW	.3	2.1	2.7	2.1	.4	.1	.0	.0				7.7	9.3
WSW	.4	2.3	2.7	2.0	.5	.1	.0	.0				7.9	9.3
W	.5	3.3	3.6	2.8	.7	.2	.0	.0				11.1	9.3
WNW	.4	1.8	2.1	1.3	.2	.0	.0	.0				5.8	8.6
NW	.2	1.4	1.8	1.3	.2	.0						4.9	8.9
NNW	.1	.7	1.3	1.3	.4	.1	.0					3.9	10.5
VARBL													
CALM												3.1	
	3.7	25.5	35.6	25.5	5.4	1.0	.1	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 87692

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725300 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (L.S.T.))

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE (CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.9	4.2	3.6	1.1	.3	.1	.0				11.2	11.0
NNE	.1	1.2	2.5	3.1	1.1	.4	.1	.0				9.0	11.9
NE	.1	1.1	2.9	2.7	.7	.2	.0					7.6	10.8
ENE	.1	.6	1.7	2.3	.3	.1						5.0	11.1
E	.1	.5	1.7	2.0	.4	.1						4.8	11.3
ESE	.1	1.0	1.5	1.0	.2	.0						3.9	9.4
SE	.2	.8	1.6	.8	.1	.0						3.5	8.7
SSE	.1	1.2	2.0	1.3	.2	.0						4.7	9.0
S	.3	1.9	3.7	3.4	.7	.1	.0					10.1	10.1
SSW	.3	1.1	2.3	2.0	.4	.0						6.0	10.0
SW	.3	1.2	2.0	1.7	.4	.0	.0					5.6	9.7
WSW	.3	1.2	1.9	1.8	.5	.1	.0					5.8	10.5
W	.3	1.6	2.1	2.0	.7	.3	.0					7.0	10.5
WNW	.3	1.0	1.3	.7	.1	.1						3.5	8.6
NW	.3	.9	1.4	1.5	.4	.1						4.7	10.0
NNW	.1	.7	1.7	2.2	.9	.1	.0					5.8	11.9
VARBL													
CALM	~											1.8	
	2.6	17.9	35.0	32.2	8.3	1.9	.2	.0				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 11807

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0. For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of $\geq$ 1500 feet with $\geq$ 3 miles, subtracted from 97.4 read from the table at the intersection of $\geq$ 500 feet with $\geq$ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling $\geq$ 500 feet with visibility $\geq$ 1 mile, but < 3 miles; or ceiling $\geq$ 500 feet, but < 1500 feet with visibility $\geq$ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...CHICAGO-O'HARE INTL AP IL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (HUNDREDS OF FEET)	VISIBILITY: STATUTE MILES ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
UNLIM	38.7	41.0	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥22000	38.1	42.7	43.7	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥20000	38.9	42.7	43.7	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥18000	38.9	42.7	43.7	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥16000	39.7	42.8	43.9	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥14000	39.7	44.7	45.7	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥12000	40.2	47.3	48.1	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥10000	41.3	47.7	49.8	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥9000	42.9	51.2	51.4	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥8000	43.3	51.1	52.2	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥7000	44.1	51.5	52.7	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥6000	44.4	52.4	53.7	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥5000	47.1	53.1	54.4	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥4500	47.3	53.2	54.6	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥4000	48.3	56.3	56.7	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥3500	48.7	57.2	58.7	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥3000	61.3	61.6	63.4	65.1	65.5	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥2500	64.1	66.1	68.1	69.8	70.5	70.5	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥2000	65.7	67.8	69.8	71.6	72.4	72.4	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥1800	66.3	70.8	73.1	75.2	76.3	76.3	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥1600	67.1	74.0	76.7	79.5	80.6	80.6	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥1400	67.3	76.0	79.8	81.9	83.5	83.5	84.1	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6
≥1200	67.6	77.0	79.8	83.1	84.7	84.7	85.4	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
≥1000	67.7	77.7	80.9	84.4	86.5	86.5	87.3	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4
≥900	67.7	77.8	81.1	84.8	87.2	87.2	88.6	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1
≥800	67.7	78.1	81.8	86.9	89.9	90.0	91.9	92.8	92.8	93.9	93.9	93.9	93.9	93.9	93.9
≥700	67.7	78.1	81.8	87.2	90.3	90.8	92.9	93.8	93.8	94.9	95.3	95.3	95.5	95.5	95.5
≥600	67.7	78.1	81.8	87.6	91.3	91.9	94.4	95.3	95.3	96.5	96.8	96.8	97.0	97.0	97.1
≥500	67.7	78.1	81.8	87.6	91.3	92.3	94.9	95.8	95.8	97.3	97.6	97.6	98.3	98.3	98.4
≥400	67.7	78.1	81.8	87.6	91.3	92.3	94.8	95.8	95.8	97.4	97.7	97.7	98.8	98.9	99.2
≥300	67.7	78.1	81.8	87.6	91.3	92.3	94.9	95.8	95.8	97.4	97.7	97.7	98.8	98.9	99.4
≥200	67.7	78.1	81.8	87.6	91.3	92.3	94.9	95.8	95.8	97.4	97.7	97.7	98.8	98.9	99.8
0	67.7	78.1	81.8	87.6	91.3	92.3	94.9	95.8	95.8	97.4	97.7	97.7	98.8	98.9	99.8 100.0

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... FAT... SERVICE/MAC

CEILING VERSUS VISIBILITY

... CHICAGO-O'HARE IAP IL 74-83 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0700-0800

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
	39.9	40.9	40.6	41.3	41.4	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥22000	37.1	41.7	42.7	44.0	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥18000	37.1	41.7	42.7	44.0	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥14000	37.1	41.7	42.7	44.0	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥12000	37.1	41.7	42.7	44.0	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥10000	38.1	43.0	44.1	45.4	45.5	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥9000	40.9	46.2	47.5	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥8000	41.1	47.7	49.1	50.4	50.5	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥7000	44.7	51.9	53.2	53.5	53.7	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥6000	45.1	51.4	52.7	54.1	54.2	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥5000	46.0	52.0	53.3	54.7	54.8	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥4500	46.2	53.2	54.5	55.9	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥4000	46.7	53.8	55.2	56.6	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥3500	47.1	54.1	55.6	57.1	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥3000	48.1	55.6	57.3	58.9	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥2500	48.6	56.1	57.9	61.7	62.3	62.4	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥2000	52.7	61.5	63.9	65.9	66.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥1800	54.1	65.1	67.6	70.2	70.6	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥1600	55.1	65.7	68.6	71.2	71.6	71.7	71.9	72.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥1400	56.1	69.9	73.3	76.0	76.6	76.7	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥1200	58.1	72.9	76.6	79.7	80.5	80.6	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥1000	58.7	74.6	78.9	83.2	84.2	84.3	84.8	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥900	59.7	75.7	80.2	84.8	86.0	86.1	86.9	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥800	59.1	76.6	81.4	86.1	87.3	87.5	88.7	89.4	89.4	89.8	90.2	90.2	90.2	90.2	90.2	90.2
≥700	59.7	76.7	82.1	87.3	88.5	88.8	90.0	90.6	90.6	91.4	91.6	91.6	91.8	91.8	91.8	91.8
≥600	59.2	76.7	82.2	88.2	90.3	90.6	92.5	93.2	93.2	94.2	94.2	94.2	94.4	94.4	94.4	94.4
≥500	59.2	76.7	82.2	89.2	91.4	91.8	94.0	94.7	94.7	95.7	96.0	96.0	96.2	96.2	96.2	96.2
≥400	59.2	76.7	82.2	89.4	91.9	92.6	94.8	95.8	95.8	96.8	97.1	97.1	97.3	97.4	97.4	97.4
≥300	59.2	76.7	82.2	89.4	92.2	92.8	95.2	96.2	96.2	97.2	97.6	97.6	98.1	98.5	98.6	98.6
≥200	59.2	76.7	82.2	89.4	92.2	92.8	95.2	96.2	96.2	97.3	98.0	98.0	98.8	99.0	99.1	99.1
≥0	59.2	76.7	82.2	89.4	92.2	92.8	95.2	96.2	96.2	97.3	98.0	98.0	98.8	99.0	99.7	99.7
	59.2	76.7	82.2	89.4	92.2	92.8	95.2	96.2	96.2	97.3	98.0	98.0	98.8	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE IAP IL — STATION NAME — 74-83 YEARS — JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-0800 HOURS (L.S.T.)

VISIBILITY (STATUTE MILES)

CEILING (FEET)	[illegible]	≥6	[illegible]	≥4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	≥5/16	[illegible]	0
[illegible]	32.5	36.9	37.4	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
[illegible]	34.1	38.4	41.3	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
[illegible]	34.1	38.4	41.3	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
[illegible]	34.1	38.4	41.3	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
[illegible]	34.1	38.5	41.4	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
[illegible]	35.1	40.6	41.9	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
[illegible]	36.9	42.9	44.2	46.0	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
[illegible]	[illegible]	[illegible]	45.7	48.6	48.9	48.9	[illegible]	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
[illegible]	[illegible]	47.6	49.1	51.3	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
[illegible]	41.1	49.7	[illegible]	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
[illegible]	42.3	[illegible]	[illegible]	53.0	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
[illegible]	[illegible]	[illegible]	52.2	54.4	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
[illegible]	[illegible]	51.4	53.1	55.4	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
[illegible]	[illegible]	51.4	53.1	55.5	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
[illegible]	[illegible]	52.5	54.5	57.0	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
[illegible]	44.1	53.8	56.1	58.4	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
[illegible]	[illegible]	57.6	[illegible]	63.4	64.6	64.6	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
[illegible]	[illegible]	61.4	64.2	67.6	69.1	69.1	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
[illegible]	[illegible]	62.8	65.6	69.2	[illegible]	[illegible]	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
[illegible]	[illegible]	66.1	[illegible]	73.0	74.8	74.9	75.7	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
[illegible]	44.3	[illegible]	73.5	77.7	79.9	[illegible]	80.9	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4
[illegible]	44.1	72.8	76.3	[illegible]	81.1	83.9	84.8	85.2	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9
[illegible]	[illegible]	72.9	77.2	82.0	84.9	85.7	86.9	87.3	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1
[illegible]	44.5	73.8	[illegible]	84.2	86.9	87.7	89.1	89.7	89.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0
[illegible]	44.9	74.0	[illegible]	84.7	87.6	88.6	[illegible]	90.9	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3
[illegible]	44.9	74.1	79.2	85.2	88.3	89.5	91.6	92.4	92.4	93.7	93.9	93.9	93.9	94.1	94.1	94.1
[illegible]	44.9	74.1	79.5	[illegible]	89.4	90.6	93.2	94.3	94.3	95.7	96.0	96.0	96.0	96.2	96.2	96.2
[illegible]	44.9	74.1	79.5	86.1	89.9	91.3	94.4	95.1	95.1	96.5	96.9	96.9	97.3	97.5	97.5	97.5
[illegible]	44.9	74.1	79.5	86.1	90.2	91.6	94.3	95.5	95.5	96.9	97.5	97.5	98.6	98.8	98.8	98.8
[illegible]	44.9	74.1	79.5	86.1	[illegible]	91.6	94.3	95.5	95.5	96.9	97.5	97.5	98.8	99.1	99.1	99.4
[illegible]	44.9	74.1	79.5	86.1	[illegible]	91.6	94.3	95.5	95.5	96.9	97.5	97.5	99.1	99.5	99.7	100.0
[illegible]	44.9	74.1	79.5	86.1	90.2	91.6	94.3	95.5	95.5	96.9	97.5	97.5	99.1	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

...TAL CLIMATOLOGY BRANCH
...ETAC
AI... FAT...H SERVICE/MAC

CEILING VERSUS VISIBILITY

...3...0 CHICAGO-O'HARE INTAP IL 74-83 WBAN JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~360-1180~~

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES																
	10	7	5	4	3	2	1	1 1/2	1 1/4	1	3/4	1/2	1/4	0	1/4	0
10	.9	35.1	36.6	37.4	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
9	33.1	42.8	43.1	44.1	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
8	3.1	41.1	43.3	44.4	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
7	3.1	41.1	43.3	44.4	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
6	3.1	41.5	43.9	44.8	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
5	3.1	43.0	46.3	46.3	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
4	3.1	44.9	47.2	48.5	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
3	3.1	46.1	49.3	49.7	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
2	3.4	48.2	50.9	52.9	53.7	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1	3.2	48.1	51.8	53.4	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
0	3.7	49.7	52.4	54.1	54.5	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
9	10.4	50.4	53.1	55.5	56.1	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
8	10.1	51.6	54.4	56.2	56.9	57.0	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
7	11.1	51.8	54.7	56.6	57.2	57.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
6	11.9	52.6	55.7	57.7	58.6	58.7	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
5	41.1	53.2	56.4	58.1	58.7	59.0	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
4	44.4	56.3	59.8	62.2	63.5	64.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
3	46.6	57.8	61.4	64.4	65.3	66.6	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2	46.6	59.4	62.9	66.1	67.0	68.7	71.2	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
1	46.1	62.7	66.6	69.9	72.0	73.1	75.1	76.3	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
0	46.6	65.1	69.9	73.7	76.2	77.5	79.7	81.1	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
9	46.9	66.2	71.7	75.7	78.7	80.4	82.7	84.3	84.4	84.9	85.1	85.1	85.5	85.5	85.5	85.5	85.5
8	46.9	66.9	73.1	77.8	80.3	82.6	85.3	86.9	87.0	87.5	87.6	87.6	88.1	88.1	88.2	88.2	88.2
7	46.9	67.2	74.2	79.4	82.8	84.9	87.6	89.4	89.5	90.4	90.5	90.5	91.1	91.1	91.2	91.2	91.2
6	46.9	67.3	74.3	79.9	83.9	86.1	88.8	91.0	91.1	92.2	92.3	92.3	92.8	92.8	92.9	92.9	92.9
5	46.9	67.3	74.5	80.3	84.5	87.1	90.5	92.7	92.9	94.2	94.3	94.3	94.9	94.8	94.9	94.9	94.9
4	46.9	67.3	74.5	80.3	84.6	87.2	91.2	93.9	94.1	95.7	96.0	96.0	96.7	96.7	96.8	96.8	96.8
3	46.9	67.3	74.5	80.3	84.6	87.2	91.2	93.9	94.1	96.2	96.5	96.5	97.5	97.6	97.7	97.7	97.7
2	46.9	67.3	74.5	80.3	84.6	87.3	91.3	94.0	94.2	96.2	97.0	97.0	98.2	98.3	98.5	98.5	98.5
1	46.9	67.3	74.5	80.3	84.6	87.3	91.3	94.1	94.3	96.5	97.2	97.2	98.7	98.9	99.4	99.5	99.5
0	46.9	67.3	74.5	80.3	84.6	87.3	91.3	94.1	94.3	96.5	97.2	97.2	98.7	99.1	99.6	100.0	100.0
M	46.9	67.3	74.5	80.3	84.6	87.3	91.3	94.1	94.3	96.5	97.2	97.2	98.7	99.1	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3.0 CHICAGO-O'HARE IAP IL 74-83 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1400

VISIBILITY, STATUTE MILES

	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
...2.3	3...7	34.6	39.1	5...1	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
...2.1	4...3	44.1	44.4	44.6	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
...2.1	4...3	44.1	44.5	44.7	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
...2.1	4...3	44.1	44.5	4...7	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
...2.2	44.1	45.3	45.7	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
...2.4	46.1	46.3	46.6	47.0	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
...2.9	47.8	49.2	49.9	...0.1	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
...3.2	4...8	5...3	51.1	51.2	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
41.1	51.2	52.6	53.2	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
...2.2	51.8	53.1	54.0	54.3	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
...2.4	52.3	53.9	54.5	54.8	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
...3.4	53.3	55.1	55.8	56.1	56.3	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
...4.2	54.2	56.0	56.4	57.1	57.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
...4.3	54.3	56.1	56.9	57.2	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
...4.4	54.8	56.7	57.4	57.7	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
...4.1	5...6	...8.5	5...5	59.8	60.0	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
...4.8	6...1	62.5	63.8	64.1	64.4	65.1	65.4	...5.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
...1.4	6...3	66.3	67.8	68.3	68.6	69.8	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4
...2.3	6...4	68.1	69.7	70.3	70.9	72.3	72.6	72.6	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9
...3.1	6...4	72.2	74.1	74.8	75.6	78.2	78.4	7...4	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0
...4.0	71.6	76.3	78.7	79.8	81.1	83.7	84.3	84.3	85.1	85.3	85.3	85.5	85.5	85.5	85.5	85.5
...4.2	72.8	77.8	81.2	82.3	83.4	86.5	87.1	87.1	88.0	88.3	88.3	88.8	88.8	88.8	88.8	88.8
...4.3	73.1	7...9	82.1	83.3	84.6	87.7	88.4	88.4	89.5	89.8	89.8	90.5	90.5	90.5	90.5	90.5
...4.3	73.4	79.1	82.7	84.6	86.1	89.9	90.1	90.1	91.5	91.8	91.8	92.6	92.6	92.6	92.6	92.6
...4.3	73.4	79.2	82.9	85.3	96.8	90.1	91.1	91.1	92.6	93.1	93.1	93.9	93.9	93.9	93.9	93.9
...4.3	73.4	79.2	83.1	85.7	97.1	91.3	92.7	92.7	94.2	94.7	94.7	95.5	95.5	95.5	95.5	95.5
...4.2	73.4	79.2	83.1	85.9	87.8	91.8	93.2	93.2	94.8	95.5	95.5	96.5	96.6	96.6	96.6	96.6
...4.2	73.4	79.2	83.1	86.3	88.1	92.4	94.3	94.3	95.7	96.6	96.6	97.7	98.0	98.0	98.0	98.0
...4.2	73.4	79.2	83.1	86.3	88.1	92.4	94.0	94.3	96.3	97.4	97.4	98.7	99.3	99.0	99.1	99.1
...4.2	73.4	79.2	83.1	86.3	88.1	92.5	94.1	94.1	96.5	97.7	97.7	99.1	99.6	99.9	100.0	100.0
...4.2	73.4	79.2	83.1	86.3	88.1	92.5	94.1	94.1	96.5	97.7	97.7	99.1	99.6	99.9	100.0	100.0
...4.2	73.4	79.1	83.1	86.3	88.1	92.5	94.1	94.1	96.5	97.7	97.7	99.1	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... CAT...ER SERVICE/MAC

CEILING VERSUS VISIBILITY

3-3 CHICAGO-O'HARE IAP IL 74-83 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1...0-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	6	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0	25/16	0
...	...1.9	36.1	36.8	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
...	35.1	41.9	42.5	42.7	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
...	35.1	41.5	42.5	42.7	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
...	35.1	41.6	42.6	42.8	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
...	38.6	42.2	43.1	43.3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
...	37.1	43.4	44.5	44.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
...	41.2	46.3	48.1	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
...	41.1	46.1	49.0	49.2	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
...	42.5	50.4	51.6	51.8	51.8	51.9	52.0	52.1	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
...	42.1	50.8	51.4	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
...	43.1	51.1	52.4	52.7	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
...	43.2	51.4	52.7	53.1	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
...	44.5	52.7	54.1	54.5	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
...	44.5	52.8	54.2	54.7	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
...	45.4	54.0	55.4	56.0	56.2	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
...	46.1	55.8	57.4	58.1	58.3	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
...	60.2	62.6	62.7	63.7	64.1	64.3	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
...	62.1	64.1	66.5	68.4	69.0	69.5	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
...	63.4	66.2	68.8	70.9	71.6	72.0	72.8	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
...	64.5	67.9	73.1	76.1	76.9	77.3	78.3	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
...	65.2	73.1	77.2	80.5	81.8	82.4	84.1	84.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1
...	65.2	73.8	78.5	82.4	84.3	84.9	86.9	87.6	87.6	88.2	88.3	88.3	88.3	88.3	88.3	88.3
...	65.2	73.8	79.2	83.2	85.2	85.8	87.8	88.7	88.7	89.7	89.9	89.9	90.0	90.0	90.0	90.0
...	65.2	73.8	79.2	83.5	85.9	87.1	89.5	90.5	90.5	91.8	92.3	92.3	92.4	92.4	92.4	92.4
...	65.2	73.8	79.4	83.9	86.6	87.7	90.3	91.6	91.6	93.1	93.5	93.5	93.8	93.8	93.8	93.8
...	65.2	73.8	79.5	84.2	86.9	88.2	91.0	92.7	92.7	94.5	94.9	94.9	95.5	95.5	95.5	95.5
...	65.2	73.8	79.5	84.3	87.1	88.4	91.5	93.3	93.3	95.3	95.9	95.9	96.8	96.8	96.9	96.8
...	65.2	73.8	79.5	84.3	87.1	88.4	91.7	93.9	93.9	96.1	97....	97.0	98.0	98.0	98.0	98.0
...	65.2	73.8	79.5	84.3	87.1	88.4	91.7	94.0	94.0	96.5	97.4	97.4	98.6	98.6	98.7	98.8
...	65.2	73.8	79.5	84.3	87.1	88.4	91.7	94.1	94.0	96.5	97.6	97.6	99.0	99.0	99.7	99.9
...	65.2	73.8	79.5	84.3	87.1	88.4	91.7	94.0	94.0	96.5	97.6	97.6	99.0	99.0	99.7	100.0
...	65.2	73.8	79.5	84.3	87.1	88.4	91.7	94.0	94.0	96.5	97.6	97.6	99.0	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] [illegible]EAT[illegible]ER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE IAP IL   74-83   [illegible]AN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1[illegible]0-2000

[illegible]	[illegible]	37.5	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
[illegible]	35.1	41.6	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
[illegible]	36.[illegible]	41.6	42.5	[illegible]	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
[illegible]	35.[illegible]	41.6	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
[illegible]	36.[illegible]	41.6	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
[illegible]	[illegible]	42.2	[illegible]	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
[illegible]	[illegible]	45.6	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
[illegible]	[illegible]	46.1	47.2	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
[illegible]	47.2	[illegible]	50.3	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
[illegible]	43.1	[illegible]	51.5	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
[illegible]	44.[illegible]	51.4	52.5	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
[illegible]	[illegible]	52.4	53.5	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	[illegible]	53.1	54.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
[illegible]	[illegible]	53.2	54.5	[illegible]	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
[illegible]	[illegible]	54.9	56.2	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
[illegible]	[illegible]	56.8	58.1	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
[illegible]	[illegible]1.3	61.5	63.2	64.6	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
[illegible]	[illegible]3.2	[illegible]	67.0	68.9	69.9	70.0	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
[illegible]	[illegible]4.5	67.1	[illegible]	71.0	72.2	[illegible]	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
[illegible]	[illegible]	[illegible]	73.1	75.8	77.6	77.7	78.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
[illegible]	[illegible]	72.9	75.8	78.8	80.8	80.9	82.0	83.[illegible]	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
[illegible]	57.1	75.2	78.1	81.8	84.0	84.2	85.9	86.9	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
[illegible]	57.1	75.5	78.7	82.7	85.3	86.[illegible]	88.1	89.[illegible]	89.0	89.6	89.6	89.[illegible]	89.6	89.6	89.6	89.6	89.6
[illegible]	57.1	75.6	78.9	83.9	86.6	87.4	89.5	90.8	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
[illegible]	57.1	75.8	79.4	85.3	88.5	89.5	91.5	92.8	92.8	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
[illegible]	57.1	76.1	[illegible]	86.8	[illegible]	91.5	93.7	94.9	94.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
[illegible]	57.1	76.1	80.3	86.8	90.6	91.7	94.[illegible]	95.4	95.4	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9
[illegible]	57.1	76.1	80.[illegible]	86.8	90.6	91.7	94.3	95.8	95.8	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6
[illegible]	57.1	76.1	[illegible]	86.9	[illegible]	91.9	94.6	96.2	96.[illegible]	98.0	98.2	98.2	98.8	98.8	98.9	98.9	98.9
[illegible]	57.1	76.1	80.4	87.0	90.9	92.[illegible]	94.7	96.5	96.5	98.4	98.6	98.6	99.6	99.6	99.9	99.9	99.9
[illegible]	57.1	76.1	80.4	87.0	90.9	92.0	94.7	96.5	96.5	98.4	98.6	98.6	99.6	99.6	99.9	100.0	100.0
[illegible]	57.1	76.1	[illegible]	87.0	90.9	92.0	94.7	96.5	96.[illegible]	98.4	98.6	98.6	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]930

...TAL CLIMATOLOGY BRANCH
...ETAC
...AIR FORCE SERVICE WEAC

CEILING VERSUS VISIBILITY

...CHICAGO-O'HARE INTERNATIONAL AP, IL ... 74-83 ... JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

VISIBILITY, STATUTE MILES

CEILING, FEET	10	7	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0
12,000	37.7	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
10,000	41.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
8,000	41.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
7,000	41.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
6,000	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
5,000	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
4,000	43.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
3,500	44.2	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
3,000	47.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
2,500	48.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2,000	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
1,800	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
1,600	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
1,400	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
1,200	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1,000	58.8	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
900	63.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
800	68.3	69.8	70.1	70.2	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6
700	69.4	71.2	71.5	71.6	71.8	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2
600	72.2	74.4	75.2	75.5	76.2	76.3	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7
500	76.5	79.2	80.1	80.3	81.5	81.7	81.7	82.0	82.2	82.2	82.2	82.2	82.2	82.2
400	78.2	81.5	82.6	82.9	84.1	84.4	84.4	84.9	85.2	85.2	85.2	85.2	85.2	85.2
300	79.1	82.7	83.9	84.2	85.7	86.1	86.1	86.8	87.1	87.0	87.0	87.0	87.0	87.0
200	80.2	83.9	85.2	85.7	87.3	88.2	88.2	88.9	89.1	89.1	89.1	89.1	89.1	89.1
150	80.4	84.7	86.2	86.9	88.6	89.8	89.8	90.9	91.2	91.2	91.2	91.2	91.2	91.2
100	81.2	86.2	86.1	88.8	90.6	92.0	92.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4
50	81.4	86.8	88.9	89.7	91.6	93.3	93.3	94.4	94.9	94.9	95.1	95.1	95.1	95.1
0	81.5	87.4	9.2	91.2	93.3	95.3	95.3	96.6	97.1	97.1	97.3	97.3	97.3	97.3
0	81.5	87.4	90.2	91.2	93.5	95.5	95.5	96.8	97.4	97.4	98.3	98.3	98.3	98.3
0	81.5	87.4	90.2	91.2	93.5	95.5	95.5	97.3	98.1	98.1	99.5	99.5	99.7	99.7
0	81.5	87.4	90.2	91.2	93.5	95.5	95.5	97.3	98.1	98.1	99.5	99.5	99.9	100.0
0	81.5	87.4	9.2	91.2	93.5	95.5	96.6	97.3	98.1	98.1	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3 0 CHICAGO-O'HARE INTL AP, IL 74-83 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

VISIBILITY STATUTE MILES

CEILING	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
≥22000	32.1	37.5	38.4	9.0	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥20000	35.1	41.2	42.5	43.2	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥18000	35.7	41.3	42.5	43.3	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥16000	35.1	41.3	42.5	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥14000	35.0	41.6	42.4	43.6	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥12000	37.1	44.9	44.2	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥10000	38.8	45.4	46.7	47.6	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥9000	38.7	46.6	47.9	48.8	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥8000	41.1	49.2	50.7	51.6	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥7000	42.4	50.0	51.5	52.5	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥6000	47.1	50.7	52.2	53.2	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥5000	53.5	51.7	53.3	54.4	54.7	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥4500	54.3	52.6	54.3	55.3	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥4000	54.4	52.7	54.5	55.6	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥3500	54.1	54.2	56.0	57.2	57.6	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥3000	54.5	56.1	58.0	59.4	59.9	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥2500	54.6	61.1	62.4	64.2	64.8	65.0	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥2000	52.1	63.7	66.2	68.4	69.2	69.4	69.9	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥1800	52.1	65.2	67.8	70.1	71.1	71.3	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥1600	54.2	68.5	71.7	74.3	75.5	75.9	76.9	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6
≥1400	55.1	71.5	74.8	78.5	80.0	80.4	81.7	82.3	82.3	82.6	82.6	82.6	82.7	82.7	82.7
≥1200	55.3	73.1	77.3	81.1	82.8	83.5	85.0	85.6	85.6	86.2	86.3	86.3	86.4	86.4	86.4
≥1000	55.4	73.6	78.3	82.4	84.3	85.1	86.7	87.4	87.4	88.1	88.2	88.2	88.3	88.3	88.3
≥900	55.5	74.1	79.1	83.5	85.7	86.6	88.5	89.5	89.5	90.4	90.6	90.6	90.8	90.8	90.8
≥800	55.5	74.2	79.4	84.2	86.7	87.7	89.8	90.9	90.9	92.0	92.2	92.2	92.4	92.4	92.4
≥700	55.5	74.3	79.7	85.1	88.0	89.2	91.6	92.9	93.0	94.2	94.4	94.4	94.7	94.7	94.7
≥600	55.5	74.3	79.8	85.5	88.5	89.8	92.5	94.0	94.0	95.4	95.8	95.8	96.2	96.2	96.3
≥500	55.5	74.3	79.8	85.6	89.1	90.3	93.3	94.9	94.9	96.4	96.9	96.9	97.5	97.6	97.6
≥400	55.5	74.3	79.8	85.6	89.1	90.4	93.5	95.1	95.2	96.9	97.5	97.5	98.5	98.6	98.7
≥300	55.5	74.3	79.8	85.7	89.1	90.5	93.5	95.2	95.2	97.1	97.8	97.8	99.0	99.2	99.5	99.6
≥200	55.5	74.3	79.8	85.7	89.1	90.5	93.5	95.2	95.2	97.1	97.8	97.8	99.1	99.3	99.7	99.9
≥100	55.5	74.3	79.8	85.7	89.1	90.5	93.5	95.2	95.2	97.1	97.8	97.8	99.1	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...EL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3 C CHICAGO-O'HARE INTL AP, IL 74-83 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (HUNDREDS OF FEET)	VISIBILITY: STATUTE MILES																
	≥10	9	8	7	6	5	4	3½	3	2½	2	1½	1	½	¼	0
	43.9	5 .4	41.9	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	35.1	4..8	44.9	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	35.1	42.8	44.9	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	3..1	42.8	44.9	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	3 .1	43.1	45..1	46.7	46.9	46.9	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
	..1	43.5	47.6	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
	..4	4 .2	5 .4	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
	41.1	4..5	51.8	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
	43.5	51.1	54.1	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
	4..1	5..4	54.7	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
	4 .1	53.7	56.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
	4..6	54.1	57.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
	4 .7	56.1	58.7	6 .8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
	4..2	56.4	59.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
	4 .9	56.6	61.1	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
	4..3	6..1	63.2	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	2.6	65.2	68.9	71.2	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
	5..5	72.6	76.2	77.1	77.8	77.9	78.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
	5..8	72.8	76.7	79.8	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
	5..1	75.8	7..8	83.2	84.3	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
	..4	77.2	81.1	85.9	87.0	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	6..1	78.1	82.6	87.8	89.1	89.5	89.8	9..1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	1.1	73.5	83.1	88.5	89.8	91.7	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	1..2	78.4	83.3	83.1	90.4	91.4	91.8	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
	1.2	7 .6	83.3	89.4	90.8	91.7	92.3	93.1	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4
	1..2	78.4	83.5	89.8	91.7	92.7	93.4	94.3	94.3	95.0	95.0	95.0	95.2	95.2	95.2	95.2
	1.2	78.4	83.6	9 .0	91.8	92.6	93.7	94.7	94.7	95.4	95.5	95.5	95.6	95.6	95.6	95.6
	1..2	78.1	83.1	9 .3	92.4	93.4	94.8	96.1	96.1	96.8	97.0	97.0	97.2	97.2	97.2	97.2
	1.2	78.7	83.7	90.1	92.6	93.7	95.1	96.6	96.6	97.5	97.8	97.8	98.2	98.2	99.3	98.3
	1..2	7..1	83.1	90.3	92.6	93.7	95.0	96.7	96.7	97.6	98.1	98.1	98.9	98.9	99.3	99.4
	1.2	78.7	83.7	90.1	92.6	93.7	95.0	96.7	96.7	97.6	98.1	98.1	99.1	99.1	99.9	100.0
	1..2	78.1	83.7	9..1	92.6	93.7	95.0	96.7	96.7	97.6	98.1	98.1	99.1	99.1	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC ... D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] [illegible]AL CLIMATOLOGY BRANCH
[illegible]SAFETAC
AI[illegible] WEATHER SERVICE/MAC

[illegible] CHICAGO-O'HARE [illegible] IL — 74-83 — FEB

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-0500

VISIBILITY (STATUTE MILES)

[illegible]	26	[illegible]	24	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31.[illegible]	[illegible].2	39.5	41.4	41.5	41.7	41.7	41.8	41.8	41.8	41.9	41.8	41.8	41.8	41.9	41.8
3[illegible].4	41.5	42.5	44.9	45.[illegible]	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
3[illegible].4	41.5	42.8	44.9	45.[illegible]	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
36.4	41.5	42.8	44.9	45.[illegible]	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
3[illegible].4	41.[illegible]	43.1	45.3	45.4	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
35.[illegible]	43.4	44.7	46.8	46.9	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
36.[illegible]	45.5	45.9	49.1	4[illegible].2	49.4	49.4	49.5	49.5	49.[illegible]	49.5	49.5	49.5	49.5	49.5	49.5
[illegible].7	46.9	48.3	5[illegible].7	5[illegible].8	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
[illegible].1	4[illegible].8	50.4	52.7	53.1	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
[illegible].4	49.5	51.1	53.5	53.9	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
4[illegible]	[illegible].7	52.4	55.[illegible]	55.3	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
[illegible]1.1	[illegible]1.2	53.[illegible]	55.9	56.3	56.5	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
[illegible]2.1	52.6	54.4	57.4	57.8	58.[illegible]	58.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
[illegible]2.1	52.6	54.4	57.4	57.8	58.[illegible]	58.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
44.[illegible]	55.[illegible]	57.3	[illegible]0.5	61.[illegible]	61.2	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
45.[illegible]	57.6	59.5	62.8	63.2	63.5	63.5	63.[illegible]	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
4[illegible].1	62.4	65.1	68.8	69.3	69.5	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
[illegible]0.1	66.5	69.5	73.6	74.3	74.7	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
[illegible]2.7	68.4	71.2	75.3	76.1	76.5	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
[illegible]4.4	72.1	7[illegible].7	80.4	81.3	81.7	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
55.[illegible]	74.1	77.9	83.8	84.9	85.[illegible]	85.5	85.[illegible]	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
5[illegible].5	75.2	79.3	85.6	86.8	87.4	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
5[illegible].7	75.9	80.3	86.6	88.1	89.[illegible]	89.8	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
57.[illegible]	76.1	80.6	87.1	88.5	89.5	90.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
5[illegible].1	76.2	80.9	87.6	89.1	90.1	91.0	92.2	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7
5[illegible].1	76.4	81.[illegible]	88.1	90.3	91.3	92.8	94.1	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8
5[illegible].1	76.4	81.4	88.8	91.4	92.3	93.9	95.2	95.2	95.9	95.9	95.9	96.0	96.0	96.0	96.0
5[illegible].1	76.4	81.4	88.8	91.6	92.6	94.1	95.5	95.5	96.3	96.3	96.3	96.7	96.7	96.7	96.7
5[illegible].1	76.4	81.4	88.9	91.7	92.7	94.3	95.7	95.7	96.8	96.9	96.9	97.8	97.8	97.8	97.8
5[illegible].1	76.4	81.4	88.[illegible]	91.7	92.7	94.3	95.7	95.7	96.9	97.0	97.0	97.9	97.9	98.2	98.3
5[illegible].1	76.4	81.4	88.9	91.7	92.7	94.3	95.7	95.7	96.8	97.4	97.4	98.3	98.3	99.5	99.9
5[illegible].1	76.4	81.4	88.9	91.7	92.7	94.3	95.7	95.7	96.8	97.4	97.4	98.3	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L AL CLIMATOLOGY BRANCH
A ETAC
A[illegible] EATHER SERVICE / AC

CEILING VERSUS VISIBILITY

3 0 (STATION) CHICAGO-O'HARE INTL AP IL (STATION NAME) 74-83 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES: ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	0
[illegible]	[illegible]	31.3	33.3	35.1	35.6	36.1	36.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9	36.9
[illegible]	[illegible]	37.3	37.3	39.6	40.1	40.5	40.7	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5
[illegible]	34.9	37.2	39.6	40.1	40.5	40.7	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5
[illegible]	34.3	37.2	39.6	40.1	40.5	40.7	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.5
[illegible]	35.2	37.6	40.1	40.9	41.0	41.1	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.0	42.0	42.0
[illegible]	35.3	38.5	41.3	41.7	42.2	42.3	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.3	43.3	43.3
[illegible]	36.1	41.8	43.5	44.1	44.6	44.7	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.6	45.6	45.6
[illegible]	36.7	42.7	45.4	45.8	46.5	46.6	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.5
1.1	42.1	46.0	49.1	49.5	50.1	50.5	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.4
[illegible]	44.2	47.6	51.6	51.3	51.9	52.2	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.2	53.2	53.2
2.4	45.1	48.6	52.0	52.5	53.1	53.4	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4
2.1	45.3	49.3	53.1	53.4	54.1	54.4	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3
3.3	46.6	50.1	54.0	54.5	55.1	55.4	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.4
3.3	47.0	50.6	54.6	55.1	55.7	56.0	56.7	56.7	56.7	56.9	56.9	56.9	56.9	57.0	57.0	57.0
3.1	48.0	52.8	57.0	57.4	58.0	58.4	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.3
3.1	5.8	55.2	59.3	59.9	60.5	60.9	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9
3.1	54.9	59.2	63.4	64.3	64.9	65.5	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.8	66.8	66.8
3.1	57.0	61.8	66.3	67.6	68.3	68.9	70.2	70.2	70.2	70.3	70.3	70.4	70.4	70.6	70.6	70.6
4.1	5.2	63.0	67.7	69.0	69.7	70.4	71.7	71.7	71.7	71.9	71.9	72.0	72.0	72.1	72.1	72.1
2.8	61.1	66.4	71.7	73.3	74.0	74.7	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.4	76.4	76.4
3.3	63.1	69.4	75.3	77.1	77.8	79.1	80.4	80.4	80.4	80.5	80.5	80.6	80.6	80.7	80.7	80.7
4.4	65.5	72.3	78.8	8[illegible].7	81.6	83.1	84.9	84.9	85.1	85.2	85.2	85.3	85.3	85.5	85.5	85.5
44.1	66.2	73.3	80.1	82.4	83.2	84.8	86.8	86.8	87.1	87.1	87.1	87.2	87.2	87.4	87.4	87.4
44.1	66.8	74.2	81.2	83.7	84.8	86.4	88.5	88.5	89.2	89.2	89.2	89.5	89.5	89.6	89.6	89.6
44.1	66.9	74.6	81.8	84.3	85.3	87.4	89.7	89.7	90.3	90.7	90.7	91.3	91.3	91.4	91.4	91.4
44.1	67.1	74.8	82.5	85.1	86.2	88.7	91.6	91.6	92.2	92.6	92.6	93.1	93.1	93.3	93.3	93.3
44.1	67.1	74.9	82.7	85.7	86.8	89.5	92.4	92.6	93.3	93.7	93.7	94.6	94.6	94.7	94.7	94.7
44.1	67.3	75.2	83.1	85.9	87.1	90.1	93.0	93.1	94.1	94.7	94.7	95.7	95.7	95.9	95.9	95.9
44.1	67.3	75.2	83.0	86.1	87.1	90.3	93.4	93.5	94.4	95.2	95.2	96.9	97.0	97.5	97.5	97.5
44.1	67.3	75.2	83.0	86.1	87.1	90.3	93.4	93.5	94.4	95.3	95.3	97.3	97.4	98.5	98.7	98.7
44.1	67.3	75.2	83.1	86.1	87.1	90.3	93.4	93.5	94.4	95.3	95.3	97.4	97.5	99.1	99.8	99.8
44.1	67.3	75.2	83.1	86.1	87.1	90.3	93.4	93.5	94.4	95.3	95.3	97.4	97.5	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0200-1100~~ HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	24.7	34.9	36.8	38.4	39.2	39.6	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	24.5	34.9	43.4	45.7	46.6	46.6	46.9	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000	24.7	40.9	43.4	45.7	46.6	46.6	46.9	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
≥ 16000	24.5	40.9	43.4	45.7	46.6	46.6	46.9	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
≥ 14000	41.7	41.5	44.1	46.3	47.2	47.2	47.5	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000	50.0	44.1	46.7	49.1	49.9	49.9	50.2	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥ 10000	51.0	46.2	48.9	51.7	52.5	52.5	52.8	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1
≥ 9000	51.1	48.0	50.7	53.4	54.3	54.3	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 8000	52.4	49.5	52.6	55.6	56.5	56.5	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	52.7	50.1	53.2	56.3	57.2	57.2	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8
≥ 6000	52.7	50.1	53.2	56.3	57.2	57.2	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	53.2	50.7	53.8	57.0	58.0	58.0	58.5	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4500	53.7	51.5	54.6	57.9	59.0	59.0	59.5	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9
≥ 4000	54.3	52.0	55.1	58.4	59.5	59.5	60.0	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3500	54.4	52.2	55.4	58.7	59.9	59.9	60.5	60.8	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3000	55.5	54.3	57.4	61.8	62.1	62.1	62.9	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4
≥ 2500	57.5	57.3	61.6	64.5	66.0	66.0	67.1	67.6	67.6	67.7	68.0	68.0	68.1	68.1	68.1	68.1
≥ 2000	58.9	59.5	62.9	67.0	68.6	68.7	70.0	70.6	70.6	70.9	71.2	71.2	71.5	71.5	71.5	71.5
≥ 1800	59.2	59.9	63.5	68.1	69.7	69.9	71.2	71.7	71.7	72.1	72.3	72.3	72.7	72.7	72.7	72.7
≥ 1500	60.1	62.6	67.0	72.2	74.5	74.8	76.7	77.9	77.9	78.5	78.7	78.7	79.2	79.2	79.2	79.2
≥ 1200	62.1	66.1	71.3	77.0	79.7	80.0	82.0	83.8	83.8	84.4	84.6	84.6	85.1	85.1	85.1	85.1
≥ 1000	62.3	66.5	72.5	78.8	82.2	82.6	84.6	86.9	86.9	87.7	87.9	87.9	88.4	88.4	88.4	88.4
≥ 900	62.3	66.5	72.7	79.1	82.4	83.0	85.1	87.4	87.4	88.3	88.5	88.5	89.1	89.1	89.1	89.1
≥ 800	62.3	66.8	73.2	79.9	83.2	83.8	85.9	88.4	88.4	89.4	89.8	89.8	90.7	90.7	90.7	90.7
≥ 700	62.3	66.8	73.6	80.5	83.8	84.4	86.6	89.5	89.5	90.8	91.3	91.3	92.2	92.2	92.2	92.2
≥ 600	62.3	66.8	73.6	80.7	84.4	85.0	87.6	90.9	90.9	92.4	92.9	92.9	94.2	94.2	94.2	94.2
≥ 500	62.3	66.8	73.6	80.9	84.6	85.2	87.8	91.5	91.6	93.6	94.4	94.4	96.0	96.0	96.0	96.0
≥ 400	62.3	66.8	73.8	81.0	84.8	85.3	88.3	92.4	92.7	94.8	96.0	96.0	97.5	97.5	97.5	97.5
≥ 300	62.3	66.9	73.9	81.1	84.9	85.5	88.4	92.6	92.8	95.2	96.7	96.7	98.6	98.7	98.7	98.7
≥ 200	62.3	66.9	73.9	81.1	84.9	85.5	88.4	92.6	92.8	95.2	96.7	96.7	98.9	99.1	99.5	99.6
≥ 100	62.3	66.9	73.9	81.1	84.9	85.5	88.4	92.6	92.8	95.2	96.7	96.7	98.9	99.1	99.6	99.9
≥ 0	62.3	66.9	73.9	81.1	84.9	85.5	88.4	92.6	92.8	95.2	96.7	96.7	98.9	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 886

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...C CHICAGO-O'HA , IAP, IL 74-83 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅛	≥0	5/16	≥0	0
	33.1	41.1	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥22000	37.8	46.2	47.3	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
	37.1	46.5	47.5	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥18000	37.1	46.5	47.5	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
	37.1	47.1	48.1	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥14000	41.1	49.3	50.4	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥12000	52.5	53.4	54.3	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥10000	53.0	54.4	55.8	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥9000	54.1	55.9	57.3	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥8000	54.4	56.4	57.9	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥7000	54.4	56.5	58.1	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥6000	56.1	57.2	59.1	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥5000	56.1	58.3	60.0	61.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥4500	56.1	58.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥4000	56.7	59.2	61.2	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥3500	57.1	61.9	62.9	64.1	65.0	65.0	65.0	65.0	65.2	65.2	65.4	65.4	65.5	65.5	65.5	65.5
≥3000	58.1	66.1	67.3	68.7	69.6	69.6	69.9	70.0	70.0	70.2	70.3	70.3	70.6	70.6	70.6	70.6
≥2500	62.5	67.1	70.2	72.2	73.2	73.5	73.5	73.9	73.9	74.2	74.3	74.3	74.6	74.6	74.6	74.6
≥2200	63.2	68.8	71.3	73.3	74.2	74.6	74.9	75.5	75.5	75.9	76.1	76.0	76.2	76.2	76.2	76.2
≥2000	65.4	72.6	75.5	78.3	79.8	80.5	81.2	82.5	82.5	83.0	83.1	83.1	83.3	83.3	83.3	83.3
≥1800	67.7	74.3	77.5	81.6	83.3	84.1	85.1	86.8	86.8	87.2	87.4	87.4	87.6	87.6	87.6	87.6
≥1600	68.2	74.8	78.1	82.3	84.4	85.3	86.6	88.3	88.3	89.0	89.4	89.4	89.7	89.7	89.7	89.7
≥1400	68.1	75.1	79.1	83.3	85.2	86.2	87.7	89.7	89.7	90.4	90.8	90.8	91.3	91.3	91.3	91.3
≥1200	68.1	75.2	79.6	83.9	86.2	87.2	88.8	91.3	91.3	92.0	92.4	92.4	93.0	93.0	93.0	93.0
≥1000	68.1	75.4	80.3	84.9	87.2	88.3	90.1	92.8	92.8	93.6	94.1	94.1	94.8	94.8	94.8	94.8
≥900	68.1	75.5	8 .5	85.1	87.8	89.1	90.9	94.0	94.2	95.3	95.9	95.9	96.6	96.6	96.6	96.6
≥800	68.1	75.5	8 .5	85.2	88.1	89.4	91.1	94.4	94.7	96.7	97.5	97.5	98.2	98.2	98.2	98.2
≥700	68.1	75.5	80.6	85.3	88.2	89.5	91.4	94.9	95.3	97.4	98.6	98.6	99.3	99.4	99.4	99.4
≥600	68.1	75.5	80.6	85.3	88.2	89.5	91.4	94.9	95.3	97.4	98.7	98.7	99.4	99.6	99.8	99.8
≥500	68.1	75.5	80.6	85.3	88.2	89.5	91.4	94.9	95.3	97.5	98.8	98.8	99.5	99.8	99.9	100.0
≥400	68.1	75.5	8 .6	85.3	88.2	89.5	91.4	94.9	95.3	97.5	98.8	98.8	99.5	99.8	99.9	100.0
0	68.1	75.5	8 .6	85.3	88.2	89.5	91.4	94.9	95.3	97.5	98.8	98.8	99.5	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L AL CLIMATOLOGY BRANCH
ETAC
A FAT-EN SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE INTL AP IL 74-82 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5	≥2	≥0
[illegible]	5 .5	4 .3	41.1	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
[illegible]	41.3	41.4	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
[illegible]	41.4	41.3	49.4	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
[illegible]	41.4	41.3	49.4	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
[illegible]	42.1	41.1	50.1	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
[illegible]	43.5	43.8	52.1	52.5	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
[illegible]	45.5	53.2	54.4	55.1	55.3	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
[illegible]	45.6	53.3	54.5	55.2	55.4	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
[illegible]	46.1	54.6	56.1	57.0	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
[illegible]	46.1	54.4	56.4	57.3	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
[illegible]	47.3	55.2	56.9	57.8	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
[illegible]	47.5	56.1	57.9	59.1	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
[illegible]	4 .2	57.0	58.9	59.9	6 .6	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
[illegible]	4 .3	57.2	59.1	60.2	60.9	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
[illegible]	4 .4	54.7	60.4	61.7	62.4	62.4	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
[illegible]	5 .1	61.1	62.9	64.1	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
[illegible]	6 .1	66.7	68.1	69.6	70.6	70.6	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
[illegible]	7 .4	70.1	72.9	74.8	75.8	76.2	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
[illegible]	8 .1	71.7	74.7	76.7	77.7	78.1	78.5	79.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
[illegible]	8 .8	74.7	78.3	80.9	81.9	82.7	83.5	83.9	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2
[illegible]	10.7	77.0	81.2	84.6	85.7	86.6	87.5	88.2	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5
[illegible]	11.1	77.3	81.6	85.0	86.8	87.7	89.1	90.3	90.4	91.0	91.3	91.3	91.3	91.3	91.3	91.3
[illegible]	11.1	77.5	82.0	85.2	87.7	88.7	90.3	91.6	91.8	92.6	92.8	92.8	92.8	92.8	92.8	92.8
[illegible]	11.1	77.7	82.3	86.3	88.7	89.6	91.4	92.8	93.0	94.0	94.2	94.2	94.3	94.3	94.3	94.3
[illegible]	11.1	77.9	82.6	86.9	89.4	90.3	92.7	94.1	94.3	95.5	96.0	96.0	96.1	96.1	96.1	96.1
[illegible]	11.1	77.9	82.7	87.1	89.8	90.8	93.3	95..	95.3	96.6	97.2	97.2	97.4	97.4	97.4	97.4
[illegible]	11.1	77.9	82.7	87.1	90.1	91.0	93.9	95.6	96.0	97.3	98.0	98.0	98.5	98.5	98.5	98.5
[illegible]	11.1	77.9	82.7	87.2	90.2	91.1	94.1	95.9	96.2	97.5	98.2	98.2	98.9	98.9	98.9	98.9
[illegible]	11.1	77.9	82.7	87.2	9 .2	91.1	94.2	96.0	96.3	97.6	98.5	98.5	99.5	99.8	99.8	99.8
[illegible]	11.1	77.9	82.7	87.2	9 .2	91.1	94.2	96..	96.3	97.6	98.5	98.5	99.6	100.0	100.0	100.0
[illegible]	11.1	77.9	82.7	87.2	9 .2	91.1	94.2	96.7	96.3	97.6	98.5	98.5	99.6	100.0	100.0	100.0
[illegible]	11.1	77.9	82.7	87.2	90.2	91.1	94.2	96.3	96.3	97.6	98.5	98.5	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 884

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L AL CLIMATOLOGY BRANCH
ETAC
A FATHER SERVICE MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE INTL AP IL 74-83 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING IN HUNDREDS OF FEET	VISIBILITY STATUTE MILES															
	>10	10	5	4	3	2½	2	1½	1¼	1	¾	½	¼	2 5/16	⅛	0
UNLIMITED	51.4	42.8	43.5	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
22000	42.1	49.5	50.8	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
15000	42.1	49.5	50.8	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
12000	42.1	49.5	50.8	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
10000	47.1	48.8	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
9000	44.1	51.9	53.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
8000	46.1	54.4	55.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
7000	47.0	54.6	55.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
6000	54.4	57.0	58.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
5000	48.8	57.3	58.6	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
4500	57.1	59.2	59.5	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
4000	58.1	59.5	61.8	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
3500	62.1	61.3	62.8	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
3000	62.1	61.3	62.8	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2500	62.1	63.4	63.9	65.8	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2000	64.1	64.5	66.1	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1800	67.2	68.9	71.9	74.1	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
1500	69.1	72.3	74.5	78.1	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1200	80.9	74.0	76.1	79.9	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
1000	81.1	76.0	78.4	83.0	83.9	84.2	84.8	84.8	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0
900	82.3	77.8	80.9	85.5	87.1	87.4	88.3	88.4	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8
800	82.3	78.1	82.7	88.1	89.8	90.1	91.8	92.2	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7
700	82.3	78.1	83.1	89.0	90.9	91.1	93.1	93.5	93.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0
600	82.4	78.1	83.1	89.7	91.6	91.8	94.1	94.4	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9
500	82.4	78.8	83.3	91.1	92.3	92.6	94.8	95.2	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
400	82.4	78.8	83.4	91.3	92.7	92.9	96.0	96.3	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9
300	82.9	78.8	83.6	90.5	92.9	93.1	96.5	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6
200	82.8	79.0	83.7	90.7	93.0	93.3	96.8	97.4	97.5	98.1	98.2	98.2	98.5	98.5	98.6	98.6
150	82.8	79.0	83.7	90.7	93.1	93.4	97.0	97.8	97.9	98.6	98.8	98.8	99.2	99.2	99.3	99.3
100	82.8	79.0	83.7	90.7	93.1	93.4	97.0	97.9	98.0	98.7	99.1	99.1	99.4	99.4	99.8	99.8
0	82.9	79.0	83.7	90.7	93.1	93.4	97.0	97.9	98.0	98.7	99.1	99.1	99.4	99.5	100.0	100.0
	82.8	79.0	83.7	90.7	93.1	93.4	97.0	97.9	98.0	98.7	99.1	99.1	99.4	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3 CHICAGO-O'HARE INTL AP IL 74-83 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~2100-2300~~
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES														
	3.0	2.5	2.0	1.5	1.0	0.7	0.5	0.3	0.2	0.1	0.0	1.5	1.0	0.5	0.0
UNL	37.1	41.3	43.3	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
25000	45.4	45.4	46.7	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
20000	45.4	45.4	46.7	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
15000	45.4	45.4	46.7	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
12000	37.7	45.9	47.2	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
10000	41.1	47.9	49.3	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
9000	44.1	50.6	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
8000	44.1	51.4	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
7000	44.7	53.4	54.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
6000	47.5	54.1	55.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
5000	47.1	54.7	56.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
4500	57.2	56.4	58.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
4000	57.6	58.4	60.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
3500	58.7	58.5	60.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
3000	61.5	63.8	61.4	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
2500	57.1	61.5	63.4	64.3	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2200	69.2	69.6	71.9	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2000	72.3	73.4	76.0	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
1800	73.6	75.2	77.8	80.6	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
1600	75.1	78.1	81.1	84.4	85.2	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
1400	75.4	79.4	83.1	86.9	87.9	87.9	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1200	75.4	79.8	84.1	88.7	90.0	90.0	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
1000	75.4	80.0	84.9	90.0	91.3	91.4	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
900	75.4	80.0	85.5	90.7	92.1	92.2	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
800	75.4	80.0	85.5	91.1	92.6	92.8	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
700	75.4	80.1	85.6	91.7	93.3	93.5	94.7	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6
600	75.4	80.1	85.8	92.3	94.0	94.2	95.6	96.3	96.3	96.5	96.7	96.7	96.9	96.9	96.9
500	75.4	80.1	85.8	92.8	94.6	94.8	96.7	97.4	97.4	97.5	97.8	97.8	98.0	98.0	98.1
400	75.4	80.1	85.8	92.8	94.6	94.8	96.8	97.8	97.8	98.1	98.5	98.5	98.9	98.9	99.1
300	75.4	80.1	85.8	92.8	94.6	94.8	96.8	97.8	97.8	98.2	98.6	98.6	99.1	99.1	99.2
200	75.4	80.1	85.8	92.8	94.6	94.8	96.8	97.8	97.8	98.2	98.6	98.6	99.1	99.1	99.6
100	75.5	80.1	85.9	92.9	94.7	94.9	96.9	97.9	97.9	98.3	98.7	98.7	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 884

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL PAL CLIMATOLOGY BRANCH
AF ETAC
A[illegible] EAT-ER SERVICE/MAC

CEILING VERSUS VISIBILITY

J[illegible] CHICAGO-O'HARE INTL AP IL 74-83 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	22	21	21	21	2	2	2	25/16	2	20
CEILING UNLIMITED	37.2	3 .7	4 .7	41.1	41.4	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 25000	35.1	43.7	45.3	46.7	46.9	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
20000 thru 24900	35.1	43.7	45.3	46.7	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 25000	35.1	43.7	45.3	46.7	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
15000 thru 19900	37.1	44.2	45.9	47.2	47.4	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8
≥ 20000	38.6	46.1	47.8	49.3	49.6	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
10000 thru 14900	51.9	46.7	5 .9	52.1	52.4	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 15000	4 .1	4 .1	51.6	53.2	53.5	53.6	53.7	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9
8000 thru 9900	51.6	51.7	52.7	55.5	55.9	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	42.1	52.4	54.4	56.3	56.7	56.8	56.9	57.1	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
6000 thru 7900	42.1	53.0	5 .1	57.1	57.5	57.6	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	43.1	53.9	56.1	58.2	58.7	58.8	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2
4500 thru 5900	54.1	55.2	57.9	59.6	6 .1	60.2	60.3	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 6000	44.3	55.9	57.7	59.9	6 .4	60.5	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
3500 thru 4400	47.4	56.9	59.3	61.5	62.1	62.2	62.3	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	4 .6	58.9	61.3	63.7	64.3	64.4	64.6	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
2500 thru 3400	4 .7	63.9	66.4	69.1	69.9	70.0	70.4	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	2.2	67.2	7 .3	73.4	74.4	74.6	75.0	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6
1800 thru 2400	3.1	68.6	71.8	75.2	76.1	76.4	76.8	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5
≥ 2500	58.1	71.1	75.1	79.3	80.5	81.0	81.6	82.2	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.6
1000 thru 1700	55.1	73.6	77.8	82.6	84.1	84.6	85.4	86.2	86.2	86.4	86.5	86.5	86.6	86.6	86.6	86.6
≥ 1800	5 .1	74.5	79.2	84.4	86.2	86.8	87.9	89.0	89.0	89.4	89.5	89.5	89.6	89.6	89.6	89.6
700 thru 900	5 .4	74.8	79.8	85.3	87.2	87.9	89.3	90.5	90.5	90.9	91.0	91.0	91.2	91.2	91.2	91.2
≥ 1000	5 .4	75.0	8 .2	86.0	88.0	88.8	90.2	91.6	91.7	92.1	92.3	92.3	92.5	92.5	92.5	92.5
500 thru 600	5 .4	75.1	80.5	86.5	88.7	89.4	91.1	92.6	92.7	93.3	93.5	93.5	93.8	93.8	93.8	93.8
≥ 700	5 .4	76.1	8 .3	86.9	89.4	90.2	92.2	94.0	94.0	94.8	95.1	95.1	95.5	95.5	95.5	95.5
400 thru 490	5 .4	75.2	8 .8	87.2	89.8	90.5	92.7	94.7	94.8	95.8	96.2	96.2	96.7	96.7	96.7	96.7
≥ 500	5 .4	75.2	8 .9	87.4	90.1	90.9	93.3	95.3	95.5	96.6	97.1	97.1	97.7	97.7	97.8	97.8
300 thru 390	5 .4	75.2	8 .9	87.4	9 .2	91.0	93.4	95.6	95.7	97.1	97.6	97.6	98.6	98.7	98.8	98.8
≥ 400	56.4	75.2	80.9	87.4	90.2	91.0	93.4	95.6	95.8	97.0	97.8	97.8	98.8	98.9	99.3	99.4
200 thru 290	5 .4	75.2	80.9	87.4	90.2	91.0	93.4	95.6	95.8	97.0	97.8	97.8	98.9	99.0	99.7	99.9
0 thru 190	5 .9	75.2	80.9	87.4	90.2	91.0	93.5	95.6	95.8	97.0	97.8	97.8	98.0	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6268

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13-3 0 CHICAGO-O'HARE IAP IL 74-83 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

VISIBILITY STATUTE MILES

CEILING FEET	10	7	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0
20+	43.1	43.3	43.7	43.9	43.9	43.9	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9
15-19	45.2	45.6	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2
10-14	45.2	45.6	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2
7-9	45.2	45.6	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2
5-6	46.1	46.3	46.7	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5
4	46.1	46.2	46.7	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4
3	47.4	48.2	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1
2½	49.1	49.5	49.4	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4
2	51.0	51.9	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
1½	52.4	53.5	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
1¼	54.1	55.3	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
1	56.3	57.6	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9
¾	58.6	60.4	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
½	59.1	60.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0
¼	61.8	63.4	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
0	63.4	65.3	66.2	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7
M	65.5	68.1	69.2	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
M	69.0	71.7	72.9	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8
M	71.0	73.8	74.9	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9
M	76.6	79.0	80.3	81.2	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7
M	78.5	82.1	83.4	84.3	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8
M	79.2	83.3	85.4	86.2	86.5	86.8	86.9	86.9	87.1	87.2	87.2	87.2	87.3	87.3
M	79.7	84.0	86.1	87.0	87.2	87.5	87.7	87.7	88.0	88.1	88.1	88.1	88.2	88.2
M	79.9	84.3	86.8	87.8	88.1	88.4	88.7	88.7	88.9	89.2	89.2	89.5	89.5	89.6	89.6
M	80.1	84.6	87.4	88.6	88.9	89.2	89.8	89.8	90.0	90.6	90.6	90.9	90.9	91.0	91.0
M	80.4	85.2	88.7	90.1	90.4	91.6	92.3	92.3	92.7	93.3	93.3	93.5	93.5	93.7	93.7
M	80.5	85.4	89.1	91.6	91.3	92.4	93.2	93.2	93.8	94.5	94.5	94.7	94.7	94.8	94.8
M	80.5	85.4	89.5	91.4	92.3	93.9	95.1	95.2	96.1	97.1	97.1	97.4	97.4	97.5	97.5
M	80.5	85.4	89.6	91.5	92.6	94.3	95.6	95.7	96.7	97.6	97.6	98.3	98.3	98.5	98.5
M	80.5	85.4	89.6	91.5	92.6	94.4	95.7	95.8	96.8	98.0	98.0	98.9	98.9	99.1	99.2
M	80.5	85.4	89.6	91.5	92.6	94.4	95.7	95.8	96.8	98.0	98.0	98.9	98.9	99.5	99.7
M	80.5	85.4	89.6	91.5	92.6	94.4	95.7	95.8	96.8	98.0	98.0	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-16-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] [illegible]EATHER SERVICE/MAC

[illegible] CHICAGO-O'HARE IAP IL — STATION NAME — 74-83 — YEARS — MAR — MONTH

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (L.S.T.)

VISIBILITY (STATUTE MILES)

CEILING (FEET)	[illegible]	≥6	≥5	≥4	≥3	≥2[illegible]	≥2	≥1[illegible]	≥1[illegible]	≥1	≥[illegible]	≥[illegible]	≥[illegible]	≥5/16	≥[illegible]	≥0
[illegible]	[illegible]	[illegible]	41.4	41.[illegible]	42.7	42.[illegible]	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
[illegible]	[illegible]	42.4	44.1	44.5	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
[illegible]	[illegible]	42.9	44.0	44.5	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
[illegible]	[illegible]	42.9	44.0	44.5	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
[illegible]	[illegible]	42.9	44.1	44.5	44.8	44.[illegible]	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
[illegible]	[illegible]	44.3	45.4	45.9	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
[illegible]	[illegible]	46.3	47.4	48.1	48.3	48.3	48.6	48.6	48.6	48.6	48.6	49.6	48.6	48.6	49.6	48.6
[illegible]	[illegible]	47.3	48.6	49.1	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
[illegible]	43.4	[illegible]	51.1	51.3	52.2	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
[illegible]	[illegible]	51.6	52.9	53.7	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
[illegible]	[illegible]	52.4	53.8	54.7	55.1	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
[illegible]	[illegible]	54.4	55.8	56.8	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
[illegible]	[illegible]	56.9	58.3	59.2	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
[illegible]	[illegible]	57.2	[illegible]	59.6	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
[illegible]	[illegible]	59.1	[illegible]	61.6	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
[illegible]	[illegible]	61.1	62.8	64.1	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
[illegible]	[illegible]1.4	64.2	66.1	67.3	67.8	68.[illegible]	68.3	68.3	68.3	68.3	68.3	68.3	65.3	68.3	68.3	68.3
[illegible]	[illegible]	67.1	69.6	71.0	71.6	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
[illegible]	55.1	69.7	72.2	73.8	74.4	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
[illegible]	[illegible]	73.1	76.5	78.3	79.0	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
[illegible]	[illegible]	75.9	79.2	81.2	82.7	82.6	83.0	83.1	83.1	83.1	83.1	83.1	83.3	83.3	83.3	83.3
[illegible]	[illegible]	77.5	81.2	83.4	84.3	84.9	85.6	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9
[illegible]	[illegible]	76.0	81.8	84.2	85.2	85.8	86.5	86.7	86.7	86.7	86.7	86.7	86.9	86.9	86.9	86.9
[illegible]	[illegible]	78.2	82.5	85.1	86.2	86.9	87.5	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0
[illegible]	[illegible]	78.6	83.2	86.0	87.4	88.2	89.0	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6
[illegible]	[illegible]	79.0	83.9	87.4	89.1	90.1	91.3	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8
[illegible]	[illegible]	79.1	84.1	88.1	[illegible]	91.7	93.2	93.7	93.7	93.9	93.9	93.9	94.1	94.1	94.1	94.1
[illegible]	[illegible]	79.2	84.2	88.5	91.0	92.7	94.8	95.3	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0
[illegible]	[illegible]	79.2	84.2	88.5	91.0	92.9	95.5	95.9	95.9	96.5	96.5	96.5	97.4	97.5	98.0	98.0
[illegible]	[illegible]	79.2	84.2	88.5	91.0	92.9	95.5	96.0	96.0	96.8	97.0	97.0	98.2	98.3	98.8	98.8
[illegible]	[illegible]	79.2	84.2	88.5	91.7	92.9	95.5	96.0	96.0	96.8	97.0	97.0	98.2	98.4	99.0	99.6
[illegible]	[illegible]	79.2	84.2	88.5	91.0	92.[illegible]	95.5	96.0	96.0	96.8	97.0	97.0	98.2	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE IAP IL 74-83 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES) 10	26	25	24	23	22	22	21	21+	21	2+	2+	2	25/8	2+	2
	.1	3.7	38.6	40.8	41.9	42.	42.6	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.9
	41.1	41.2	43.5	45.3	47.1	47.2	47.7	47.8	47.8	47.8	47.8	47.8	48.0	48.0	48.0	48.1
	41.1	41.2	43.5	45.9	47.1	47.2	47.7	47.8	47.8	47.9	47.8	47.8	48.0	48.0	48.0	48.1
	41.1	41.2	43.5	45.3	47.1	47.2	47.7	47.8	47.8	47.8	47.8	47.8	48.0	48.0	48.0	48.1
	41.1	41.2	43.5	45.9	47.1	47.2	47.7	47.8	47.8	47.8	47.8	47.8	48.0	48.0	48.0	48.1
	42.1	44.2	46.5	48.2	49.1	49.2	49.7	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	50.0
	44.7	46.2	48.7	50.5	51.2	51.3	51.9	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.3
	45.3	47.4	49.8	51.6	52.4	52.5	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.4
	46.2	48.7	51.2	53.0	53.7	53.8	54.0	54.1	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.5
	47.1	49.6	52.0	53.7	54.5	55.1	55.7	55.8	55.8	56.0	56.0	56.0	56.1	56.1	56.1	56.2
	47.5	49.7	52.2	55.3	56.5	56.7	57.3	57.4	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.8
	48.1	49.8	53.2	56.3	57.6	57.8	58.5	58.6	58.6	58.8	58.8	58.8	58.9	58.9	58.9	59.0
	49.4	50.3	53.9	57.1	58.4	58.6	59.2	59.4	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.8
	49.5	50.4	54.1	57.4	58.9	59.1	59.8	59.9	59.9	60.1	60.1	60.1	60.2	60.2	60.2	60.3
	51.1	51.9	55.7	59.1	60.6	60.9	61.5	61.6	61.6	61.8	61.8	61.8	61.9	61.9	61.9	62.0
	51.6	53.1	57.2	61.3	62.5	62.7	63.3	63.4	63.4	63.7	63.7	63.7	63.8	63.8	63.8	63.9
	54.1	56.6	61.3	65.4	67.1	67.2	68.2	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.7
	55.3	58.3	64.7	68.9	70.5	70.8	71.8	71.9	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.4
	56.3	61.3	66.3	70.8	72.4	72.8	73.9	74.1	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.4
	56.1	62.1	69.5	74.1	76.1	76.8	77.8	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.4
	56.7	66.7	72.5	77.4	79.8	80.6	81.8	82.3	82.3	82.8	82.8	82.8	83.0	83.0	83.0	83.1
	57.3	67.8	74.1	79.9	82.5	83.4	85.3	85.7	85.7	86.3	86.5	86.5	86.7	86.7	86.7	86.8
	57.3	68.1	74.4	81.1	83.7	85.2	86.8	87.4	87.4	88.2	88.3	88.3	88.5	88.5	88.5	88.6
	57.6	68.7	75.2	82.3	85.2	86.7	88.6	89.4	89.4	90.1	90.2	90.2	90.4	90.4	90.4	90.5
	57.9	69.9	75.5	83.1	86.2	87.7	89.9	90.8	90.8	91.5	91.6	91.6	91.8	91.8	91.8	91.9
	57.9	69.1	75.8	83.7	87.0	88.8	91.9	92.7	92.7	93.4	93.5	93.5	93.8	93.8	93.8	93.9
	57.9	69.1	76.1	84.3	87.8	89.8	92.7	94.0	94.0	95.1	95.2	95.2	95.5	95.5	95.6	95.7
	57.9	69.2	76.1	84.5	88.3	90.3	93.3	95.1	95.1	96.6	96.7	96.7	97.1	97.1	97.3	97.4
	57.9	69.2	76.1	84.6	88.4	90.5	93.7	95.5	95.5	97.3	97.6	97.6	98.1	98.1	98.3	98.4
	57.9	69.2	76.1	84.7	88.5	90.6	93.8	95.6	95.6	97.5	98.1	98.1	98.8	98.9	99.1	99.2
	57.9	69.2	76.1	84.7	88.5	90.7	93.8	95.6	95.6	97.5	98.1	98.1	98.8	99.0	99.4	99.9
	57.9	69.2	76.1	84.7	88.5	90.8	93.8	95.6	95.6	97.5	98.1	98.1	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L [illegible] AL CLIMATOLOGY BRANCH
[illegible]
A[illegible] [illegible]EATHER SERVICE/MAC

[illegible] CHICAGO-O'HARE IAP IL (STATION NAME) 24-63 (YEARS) MAR

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-1100

VISIBILITY STATUTE MILES

CEILING (FEET)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	2 .9	34.1	36.1	36.6	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
	33.1	43.1	44.5	45.3	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
[illegible]	33.1	43.1	44.5	45.3	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
	33.1	43.1	44.5	45.3	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
[illegible]	3 .1	43.4	44.9	45.6	46.1	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
	33.5	44.1	45.4	46.1	46.7	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
[illegible]	3 .3	46.1	48.0	48.8	49.7	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	37.0	46.1	48.7	49.6	50.4	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
[illegible]	3 .7	49.6	51.6	52.6	3.4	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
	[illegible].9	49.8	52.[illegible]	53.2	54.2	54.3	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	[illegible].1	[illegible] .3	52.7	53.9	54.9	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
	[illegible].1	51.2	53.5	54.4	56.1	56.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
[illegible]	3 .9	51.1	54.4	55.7	57.0	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
	[illegible].3	52.4	54.4	56.1	57.5	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
[illegible]	41.2	[illegible]3.5	56.1	57.3	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
	42.5	55.1	58.3	59.8	61.1	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
[illegible]	45.4	59.6	62.9	64.7	66.2	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
	[illegible].0	64.3	67.8	69.1	71.4	71.7	71.9	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
[illegible]	.2	56.1	69.7	71.[illegible]	73.4	73.8	74.0	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	[illegible]1.4	6[illegible].5	73.5	75.9	78.1	78.6	79.1	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8
[illegible]	7.9	71.6	76.6	79.2	82.3	82.8	83.4	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
	[illegible]2.1	72.8	78.3	81.5	85.2	86.2	87.2	87.8	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2
[illegible]	52.1	73.0	78.6	82.2	86.1	87.3	88.5	89.7	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2
	52.1	73.1	79.0	82.7	87.1	88.4	90.0	91.6	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3
[illegible]	52.1	73.2	79.1	83.1	87.7	89.1	90.9	92.7	92.8	93.4	93.5	93.5	93.7	93.7	93.7	93.7
	52.1	73.4	79.6	83.7	88.5	89.9	92.2	94.4	94.5	95.3	95.5	95.5	95.6	95.6	95.6	95.6
[illegible]	52.1	73.4	79.7	84.2	89.2	90.9	93.5	95.9	96.0	97.1	97.3	97.3	97.4	97.4	97.4	97.4
	52.1	73.4	79.7	84.2	89.4	91.1	94.0	96.6	96.7	98.2	98.6	98.6	98.7	98.7	98.8	98.8
[illegible]	52.1	73.4	79.7	84.2	8 .4	91.1	94.0	96.7	96.8	98.3	98.9	98.9	99.1	99.1	99.4	99.4
	52.1	73.4	79.7	84.2	89.4	91.1	94.0	96.8	96.9	98.4	99.2	99.2	99.5	99.5	99.8	100.0
[illegible]	52.1	73.4	79.7	84.2	89.4	91.1	94.0	96.8	96.9	98.4	99.2	99.2	99.5	99.5	99.8	100.0
	52.1	73.4	79.7	84.2	89.4	91.1	94.0	96.8	96.9	98.4	99.2	99.2	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
A... EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...I... CHICAGO-O'HARE IAP IL 74-83 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

VISIBILITY, STATUTE MILES

CEILING, FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	0
≥ 20,000	34.5	37.7	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 15,000	42.1	45.9	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 10,000	43.5	46.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 7,000	43.6	46.5	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 5,000	43.7	46.7	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 4,000	44.1	47.2	49.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 3,000	47.2	50.1	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 2,500	53.5	56.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 2,000	44.1	52.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 1,500	45.2	54.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1,000	45.3	54.1	56.1	56.2	56.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 800	45.6	54.5	56.7	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 600	46.1	55.1	57.3	57.6	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 400	46.3	55.6	58.0	58.3	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 300	47.5	57.8	60.3	60.6	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 200	48.8	59.4	63.2	63.5	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 100	64.2	67.4	70.3	70.6	70.9	70.9	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 0	69.7	73.1	76.7	77.1	77.4	77.4	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2
Ceiling Unlimited	70.4	74.9	78.5	78.9	79.4	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1
Sky Clear	82.7	79.2	83.1	84.1	84.7	84.8	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

...3 CHICAGO-O'HARE, IAP, IL 74-83 MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	10	7	5	4	3	2½	2	1½	1¼	1	¾	½	¼	1/16	0	
30+	34.1	36.7	37.8	37.8	37.9	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
22+	45.1	45.1	46.2	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
20+	45.1	45.2	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
18+	41.3	45.3	46.2	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
16+	41.2	45.5	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
14+	42.4	46.2	48	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
12+	44.2	49	51	51.3	51.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
11+	44.1	50.1	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
10+	47.1	51.9	53.8	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
9+	47.1	52.3	54.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
8+	47.1	54.1	56.1	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
7+	47.5	54.4	57.1	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
6+	47.1	57.0	59.1	59.5	59.5	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
5+	48.2	57.3	59.2	59.6	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
4+	1.1	60.2	62.4	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
3+	64.5	65.1	67.4	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2+	73.5	73.1	75.5	76.3	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
1+	71.5	76.5	79.1	80.3	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
0	72.6	77.7	80.6	81.8	82.0	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
M	84.1	83.4	83.4	84.6	84.9	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
K	84.1	81.2	84.7	86.7	87.2	87.3	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
A	84.5	81.5	85.1	87.4	88.1	88.2	88.9	89.5	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8
Q	84.6	81.7	85.6	88.4	89.4	89.7	90.5	91.2	91.2	91.5	91.7	91.7	91.8	91.8	91.8	91.8
V	84.6	81.1	85.1	88.6	89.8	90.1	91.4	92.0	92.0	92.4	92.6	92.6	92.8	92.8	92.8	92.8
X	84.6	1.7	86.1	89.6	90.9	91.4	93.0	93.8	93.8	94.2	94.6	94.6	94.8	94.8	94.8	94.8
C	84.7	81.4	86.2	89.8	91.5	92.0	94.0	95.3	95.3	95.9	96.3	96.3	96.6	96.6	96.6	96.6
L	84.7	81.9	86.6	90.2	92.2	92.8	94.8	96.5	96.5	97.5	98.0	98.0	98.2	98.2	98.2	98.2
D	84.1	81.9	86.6	90.2	92.2	92.9	95.1	96.8	96.8	98.1	98.5	98.5	99.4	99.4	99.4	99.4
M	84.7	81.9	86.6	90.2	92.2	92.9	95.1	96.8	96.8	98.1	98.5	98.5	99.4	99.4	99.4	99.4
0	84.7	81.9	86.6	90.2	92.2	92.9	95.1	96.8	96.8	98.1	98.6	98.6	99.8	99.8	99.8	99.8
0	84.7	81.9	86.6	90.2	92.2	92.9	95.1	96.8	96.8	98.1	98.6	98.6	99.9	100.0	100.0	100.0
0	84.1	81.9	86.6	90.2	92.2	92.9	95.1	96.8	96.8	98.1	98.6	98.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
...WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3 0 CHICAGO-O'HARE INTL AP IL 74-81 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-2000

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES														
	10	7	5	4	3	2½	2	1½	1	¾	½	¼	0		
22+	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
20	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
18	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
16	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
14	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
12	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
10	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
7	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
4½	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
3½	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
3	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2½	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1½	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
¾	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
½	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
¼	90.1	91.2	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
0	92.3	92.6	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...STAC
...FAT ER SERVICE/MAC

CEILING VERSUS VISIBILITY

...CHICAGO-O'HARE INTL AP IL 74-83 YEARS MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~2100-2300~~

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES															
	<1/16	1/16	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	≥6
0	.7	44.0	47.1	43.4	42.5	43.5	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
<1	1.2	46.4	49.8	46.1	46.2	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
1	1.2	46.4	49.8	46.1	46.2	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
<2	1.2	46.4	49.8	46.1	46.2	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
2	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
3	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
<4	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
4	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
5	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
<6	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
6	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
7	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
<8	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
8	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
9	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
10	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
11	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
12	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
13	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
14	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
15	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
16	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
17	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
18	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
19	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
20	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
21	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
22	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
23	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
24	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
25	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
26	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
27	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
28	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
29	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
30	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
31	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
32	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
33	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
34	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
35	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
36	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
37	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
38	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
39	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
40	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
41	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
42	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
43	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
44	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
45	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
46	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
47	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
48	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
49	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
50	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
51	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
52	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
53	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
54	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
55	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
56	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
57	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
58	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
59	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
60	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
61	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
62	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
63	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
64	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
65	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
66	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
67	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
68	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
69	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
70	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
71	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
72	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
73	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
74	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
75	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
76	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
77	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
78	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
79	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
80	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
81	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
82	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
83	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
84	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
85	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
86	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
87	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
88	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
89	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
90	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
91	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
92	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
93	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
94	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
95	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
96	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
97	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
98	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
99	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
100	1.2	46.4	49.8	46.1	46.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0-14... (OL A ... PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.3	3[illegible].2	4[illegible].1	40.7	40.9	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	[illegible].1	44.2	45.4	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 18000	[illegible].3	44.3	45.5	46.2	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	[illegible].3	44.3	45.6	46.2	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8
≥ 14000	[illegible].4	44.5	45.7	46.4	46.7	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 12000	[illegible].6	45.8	47.1	47.7	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3
≥ 10000	41.3	47.9	49.3	50.1	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7
≥ 9000	42.1	48.9	50.3	51.2	51.5	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	43.5	51.0	52.5	53.4	53.8	53.8	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 7000	44.1	51.9	53.6	54.5	54.9	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
≥ 6000	44.[illegible]	5[illegible].9	54.7	55.7	56.1	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5
≥ 5000	4[illegible].6	54.3	56.1	57.2	57.7	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500	4[illegible].7	55.9	57.9	59.[illegible]	59.4	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4000	46.[illegible]	56.2	58.2	59.3	59.8	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3500	4[illegible].3	58.6	60.6	61.7	62.3	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7
≥ 3000	[illegible].2	61.[illegible]	63.6	65.0	65.5	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 2500	[illegible].1	65.9	68.6	70.1	7[illegible].8	70.8	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000	[illegible].7	69.6	72.6	74.3	75.[illegible]	75.2	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1800	56.[illegible]	71.3	74.5	76.3	77.1	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8
≥ 1500	5[illegible].8	75.1	78.7	80.8	81.7	82.0	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	5[illegible].6	76.8	80.9	83.3	84.4	84.8	85.3	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8
≥ 1000	5[illegible].7	77.7	82.1	85.1	86.4	86.9	87.7	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.4
≥ 900	5[illegible].8	78.[illegible]	82.6	85.9	87.4	88.[illegible]	88.9	89.4	89.4	89.6	89.7	89.7	89.8	89.8	89.8	89.8
≥ 800	5[illegible].9	78.3	83.1	86.6	88.3	88.9	90.[illegible]	90.6	90.7	90.9	91.[illegible]	91.0	91.2	91.2	91.2	91.2
≥ 700	[illegible].0	78.5	83.5	87.4	89.3	90.0	91.3	92.[illegible]	92.0	92.4	92.6	92.6	92.8	92.8	92.8	92.8
≥ 600	[illegible].0	78.7	83.8	88.2	90.3	91.1	92.9	93.8	93.9	94.3	94.5	94.5	94.7	94.7	94.7	94.8
≥ 500	[illegible].0	78.7	84.1	88.7	91.[illegible]	92.0	94.0	95.1	95.2	95.8	96.1	96.1	96.4	96.4	96.4	96.4
≥ 400	[illegible].0	78.8	84.1	88.8	91.3	92.4	94.7	96.2	96.2	97.2	97.6	97.6	97.9	97.9	98.0	98.0
≥ 300	[illegible].0	78.8	84.1	88.9	91.4	92.5	94.9	96.5	96.5	97.6	98.1	98.1	98.7	98.7	98.8	98.8
≥ 200	[illegible].0	78.8	84.1	88.9	91.4	92.6	95.0	96.6	96.7	97.8	98.4	98.4	99.3	99.3	99.5	99.5
≥ 100	[illegible].0	78.8	84.1	88.9	91.4	92.6	95.0	96.6	96.7	97.8	98.4	98.4	99.3	99.4	99.7	99.9
≥ 0	[illegible].0	78.8	84.1	88.9	91.4	92.6	95.0	96.6	96.7	97.8	98.4	98.4	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~03 3 0~~ CHICAGO-O'HARE IAP IL 74-83 ~~APR~~
STATION NUMBER STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0000-0200~~

CEILING FEET	VISIBILITY STATUTE MILES															
	3 1/2	3	2 1/2	2	1 3/4	1 1/2	1 1/4	1	7/8	3/4	5/8	1/2	3/8	5/16	1/4	0
22000+	41.1	44.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
20000	42.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
18000	42.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
16000	42.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
14000	42.1	47.2	48.2	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
12000	45.1	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
10000	47.9	53.8	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
9000	48.1	55.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
8000	50.2	58.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
7000	53.1	60.6	61.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
6000	54.1	61.7	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
5000	56.1	64.1	65.3	66.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
4500	56.7	67.4	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
4000	56.1	67.1	69.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
3500	71.1	72.9	73.8	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
3000	73.1	73.1	75.1	76.1	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2500	75.6	76.2	78.4	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2000	81.1	78.4	80.9	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
1800	82.2	82.4	81.8	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
1500	82.9	83.4	85.6	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
1200	82.1	85.2	88.1	89.3	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
1000	82.6	85.9	89.1	90.7	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
900	83.1	87.0	90.4	92.0	92.2	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8
800	83.3	87.8	91.6	93.4	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6
700	83.8	88.1	92.4	94.3	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4
600	83.8	88.2	93.6	95.7	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
500	83.8	88.2	93.7	96.1	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7
400	83.8	88.3	93.9	96.8	97.8	97.9	98.3	98.3	98.3	98.3	98.4	98.4	98.7	98.7	98.7	98.7
300	83.8	88.3	93.9	96.9	97.9	98.1	98.6	98.6	98.6	98.6	98.7	98.7	98.9	98.9	98.9	98.9
200	83.8	88.3	93.9	96.9	97.9	98.1	98.6	98.6	98.6	98.6	98.8	98.8	99.1	99.1	99.1	99.2
100	83.8	88.3	93.9	96.9	97.9	98.1	98.6	98.6	98.6	98.6	98.9	98.9	99.3	99.3	99.6	99.9
0	83.8	88.3	93.9	96.9	97.9	98.1	98.6	98.6	98.6	98.6	98.9	98.9	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC ~~JAN 64~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13743 (WBAN) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) ANNUAL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0300-0500~~ (LOCAL TIME)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥0
≥22000	41.1	44.8	45.6	46.4	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
	42.0	47.1	48.1	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥18000	42.0	47.1	48.1	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥16000	42.0	47.1	48.1	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥14000	42.1	47.2	48.2	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥12000	42.4	47.8	48.9	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥11000	47.8	54.7	55.7	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥10000	47.8	55.7	56.7	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥9000	50.3	58.3	59.4	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥8000	50.3	59.4	60.6	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥7000	51.4	60.6	61.7	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥6000	53.4	62.9	64.1	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥5000	55.4	66.0	67.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥4500	55.4	66.6	67.7	69.6	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥4000	57.9	69.2	70.4	72.7	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥3500	58.7	72.1	73.6	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥3000	61.4	74.3	75.9	78.6	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥2500	62.7	75.8	77.4	80.2	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥2000	64.4	77.6	79.3	82.2	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥1800	67.6	81.9	83.7	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥1600	68.3	83.4	85.3	88.8	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥1400	68.9	85.1	87.2	90.9	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥1200	69.3	85.9	88.1	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥1000	69.3	86.3	88.9	93.1	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥900	69.3	86.7	89.8	94.3	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4
≥800	69.3	86.8	90.1	95.6	96.2	96.3	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥700	69.3	86.8	90.1	96.0	96.7	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6
≥600	69.3	86.8	90.1	96.4	97.4	97.6	98.1	98.1	98.1	98.1	98.2	98.2	98.6	98.6	98.6	98.6
≥500	69.3	86.8	90.1	96.4	97.4	97.6	98.4	98.6	98.6	98.6	98.8	98.8	99.1	99.1	99.1	99.1
≥400	69.3	86.8	90.1	96.6	97.6	97.7	98.7	98.8	98.8	98.8	99.0	99.0	99.3	99.3	99.6	99.6
≥300	69.3	86.8	90.1	96.6	97.6	97.7	98.7	98.8	98.8	98.8	99.0	99.0	99.3	99.3	99.7	100.0
≥200	69.3	86.8	90.1	96.6	97.6	97.7	98.7	98.8	98.8	98.8	99.0	99.0	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

SUBBA CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~13 NOV 0~~ CHICAGO-O'HARE IAP IL ~~74-83~~ YEARS ~~APR~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0600-0800~~ HOUR

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
~~NO CEILING~~	~~37.1~~	~~42.1~~	~~43.9~~	~~44.9~~	~~45.1~~	~~45.1~~	~~45.4~~	~~45.4~~	~~45.4~~	~~45.4~~	~~45.4~~	~~45.4~~	~~45.4~~	~~45.4~~	~~45.4~~	~~45.4~~
~~22000~~	~~36.2~~	~~46.0~~	~~47.2~~	~~48.6~~	~~49.0~~	~~49.1~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~
~~20000~~	~~36.3~~	~~46.0~~	~~47.2~~	~~48.6~~	~~49.0~~	~~49.1~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~
~~18000~~	~~36.2~~	~~46.1~~	~~47.2~~	~~48.6~~	~~49.1~~	~~49.1~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~	~~49.6~~
~~16000~~	~~37.4~~	~~46.2~~	~~47.4~~	~~48.8~~	~~49.2~~	~~49.3~~	~~49.8~~	~~49.8~~	~~49.8~~	~~49.8~~	~~49.8~~	~~49.8~~	~~49.8~~	~~49.8~~	~~49.8~~	~~49.8~~
~~14000~~	~~37.3~~	~~47.6~~	~~48.9~~	~~50.4~~	~~50.9~~	~~51.0~~	~~51.6~~	~~51.6~~	~~51.6~~	~~51.6~~	~~51.6~~	~~51.6~~	~~51.6~~	~~51.6~~	~~51.6~~	~~51.6~~
~~12000~~	~~39.3~~	~~51.3~~	~~53.2~~	~~54.8~~	~~55.2~~	~~55.3~~	~~55.9~~	~~55.9~~	~~55.9~~	~~55.9~~	~~55.9~~	~~55.9~~	~~55.9~~	~~55.9~~	~~55.9~~	~~55.9~~
~~11000~~	~~40.4~~	~~52.8~~	~~54.8~~	~~56.4~~	~~57.1~~	~~57.2~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~
~~10000~~	~~41.1~~	~~54.9~~	~~57.1~~	~~58.9~~	~~59.6~~	~~59.7~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~
~~9000~~	~~43.3~~	~~56.8~~	~~59.0~~	~~61.0~~	~~61.7~~	~~61.8~~	~~62.4~~	~~62.4~~	~~62.4~~	~~62.4~~	~~62.4~~	~~62.4~~	~~62.4~~	~~62.4~~	~~62.4~~	~~62.4~~
~~8000~~	~~44.1~~	~~.1~~	~~60.3~~	~~62.4~~	~~63.1~~	~~63.2~~	~~64.0~~	~~64.0~~	~~64.0~~	~~64.0~~	~~64.0~~	~~64.0~~	~~64.0~~	~~64.0~~	~~64.0~~	~~64.0~~
~~7000~~	~~45.2~~	~~5..1~~	~~62.1~~	~~64.1~~	~~64.8~~	~~64.9~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~
~~6000~~	~~47.1~~	~~62.2~~	~~64.7~~	~~66.9~~	~~67.7~~	~~67.8~~	~~68.7~~	~~68.9~~	~~68.9~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~
~~5000~~	~~47.3~~	~~62.6~~	~~65.3~~	~~67.6~~	~~68.3~~	~~68.4~~	~~69.3~~	~~69.6~~	~~69.6~~	~~69.8~~	~~69.8~~	~~69.8~~	~~69.8~~	~~69.8~~	~~69.8~~	~~69.8~~
~~4500~~	~~4..1~~	~~63.6~~	~~66.3~~	~~68.9~~	~~69.7~~	~~69.8~~	~~70.7~~	~~70.9~~	~~70.9~~	~~71.1~~	~~71.1~~	~~71.1~~	~~71.1~~	~~71.1~~	~~71.1~~	~~71.1~~
~~4000~~	~~4..4~~	~~5..2~~	~~68.1~~	~~71.1~~	~~72.1~~	~~72.2~~	~~73.1~~	~~73.3~~	~~73.3~~	~~73.6~~	~~73.6~~	~~73.6~~	~~73.6~~	~~73.6~~	~~73.6~~	~~73.6~~
~~3500~~	~~1.1~~	~~67.8~~	~~7..4~~	~~74.1~~	~~75.3~~	~~75.2~~	~~76.2~~	~~76.4~~	~~76.4~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~
~~3000~~	~~.3.1~~	~~7..3~~	~~73.3~~	~~76.7~~	~~77.6~~	~~77.8~~	~~78.8~~	~~79.0~~	~~79.0~~	~~79.2~~	~~79.2~~	~~79.2~~	~~79.2~~	~~79.2~~	~~79.2~~	~~79.2~~
~~2500~~	~~4.6~~	~~71.6~~	~~74.8~~	~~78.4~~	~~79.4~~	~~79.8~~	~~80.8~~	~~81.0~~	~~81.0~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~
~~2200~~	~~5..6~~	~~74.1~~	~~77.9~~	~~81.7~~	~~82.7~~	~~83.1~~	~~84.2~~	~~84.4~~	~~84.4~~	~~84.7~~	~~84.7~~	~~84.7~~	~~84.7~~	~~84.7~~	~~84.7~~	~~84.7~~
~~2000~~	~~57.6~~	~~75.9~~	~~7..8~~	~~83.7~~	~~85.0~~	~~85.6~~	~~86.8~~	~~87.1~~	~~87.1~~	~~87.4~~	~~87.4~~	~~87.4~~	~~87.4~~	~~87.4~~	~~87.4~~	~~87.4~~
~~1800~~	~~57.1~~	~~77.4~~	~~81.6~~	~~85.8~~	~~87.2~~	~~87.9~~	~~89.4~~	~~89.9~~	~~89.9~~	~~90.2~~	~~90.2~~	~~90.2~~	~~90.2~~	~~90.2~~	~~90.2~~	~~90.2~~
~~1600~~	~~57.1~~	~~78.1~~	~~82.4~~	~~86.3~~	~~88.3~~	~~89.1~~	~~90.7~~	~~91.1~~	~~91.1~~	~~91.4~~	~~91.4~~	~~91.4~~	~~91.6~~	~~91.6~~	~~91.6~~	~~91.6~~
~~1400~~	~~5..2~~	~~78.7~~	~~83.1~~	~~87.8~~	~~89.4~~	~~90.1~~	~~91.8~~	~~92.6~~	~~92.6~~	~~92.9~~	~~92.9~~	~~92.9~~	~~93.0~~	~~93.0~~	~~93.0~~	~~93.0~~
~~1200~~	~~57.2~~	~~79.0~~	~~84.0~~	~~88.8~~	~~90.7~~	~~91.6~~	~~93.2~~	~~94.0~~	~~94.0~~	~~94.3~~	~~94.3~~	~~94.3~~	~~94.4~~	~~94.4~~	~~94.4~~	~~94.4~~
~~1100~~	~~57.1~~	~~79.1~~	~~84.2~~	~~89.2~~	~~91.4~~	~~92.4~~	~~94.4~~	~~95.2~~	~~95.2~~	~~95.6~~	~~95.9~~	~~95.9~~	~~96.0~~	~~96.0~~	~~96.0~~	~~96.0~~
~~1000~~	~~57.2~~	~~79.1~~	~~84.2~~	~~89.3~~	~~91.7~~	~~92.8~~	~~94.8~~	~~95.7~~	~~95.7~~	~~96.0~~	~~96.4~~	~~96.4~~	~~96.7~~	~~96.7~~	~~96.7~~	~~96.7~~
~~900~~	~~57.2~~	~~79.2~~	~~84.3~~	~~89.4~~	~~91.8~~	~~92.9~~	~~95.2~~	~~96.4~~	~~96.4~~	~~97.0~~	~~97.4~~	~~97.4~~	~~97.8~~	~~97.8~~	~~97.8~~	~~97.8~~
~~800~~	~~57.3~~	~~79.3~~	~~84.4~~	~~89.7~~	~~92.1~~	~~93.1~~	~~95.4~~	~~96.8~~	~~96.8~~	~~97.7~~	~~98.1~~	~~98.1~~	~~98.7~~	~~98.7~~	~~98.9~~	~~98.9~~
~~700~~	~~57.2~~	~~79.3~~	~~84.4~~	~~89.7~~	~~92.0~~	~~93.1~~	~~95.4~~	~~96.8~~	~~96.8~~	~~97.8~~	~~98.2~~	~~98.2~~	~~98.9~~	~~98.9~~	~~99.3~~	~~99.4~~
~~600~~	~~57.2~~	~~79.3~~	~~84.4~~	~~89.7~~	~~92.0~~	~~93.1~~	~~95.4~~	~~96.8~~	~~96.8~~	~~97.8~~	~~98.2~~	~~98.2~~	~~98.9~~	~~98.9~~	~~99.4~~	~~100.0~~
~~500~~	~~57.2~~	~~79.3~~	~~84.4~~	~~89.7~~	~~92.0~~	~~93.1~~	~~95.4~~	~~96.8~~	~~96.8~~	~~97.8~~	~~98.2~~	~~98.2~~	~~98.9~~	~~98.9~~	~~99.4~~	~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~000~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3 C CHICAGO-O'HARE IAP IL 74-83 APR
STATION NUMBER STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥½	≥¼	≥0
CLR	36.1	43.2	44.6	44.7	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
25000	51.4	49.7	51.2	51.6	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
20000	41.6	48.8	50.3	50.7	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
18000	41.6	48.8	50.3	50.7	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
16000	47.1	49.4	51.0	51.4	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
14000	53.2	55.6	52.1	52.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
12000	54.1	52.9	54.4	54.9	55.6	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
10000	41.0	54.6	56.1	56.7	57.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
9000	47.3	56.2	57.9	58.4	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
8000	42.4	57.4	59.1	59.8	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
7000	47.1	58.2	59.9	60.7	61.4	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
6000	42.7	56.1	62.1	63.1	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
5000	50.0	61.1	63.1	64.2	65.2	65.3	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
4500	50.2	61.4	63.7	64.9	65.9	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
4000	61.7	63.3	65.4	66.8	67.8	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
3500	62.6	64.3	66.4	67.9	68.9	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
3000	65.1	68.4	71.8	72.4	73.4	73.6	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
2500	5[illegible].8	71.9	74.2	76.2	77.3	77.4	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
2200	60.1	74.3	77.2	79.6	80.7	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2000	[illegible]2.3	77.2	80.[illegible]	83.0	84.1	84.3	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
1800	3.3	79.1	82.6	85.4	86.6	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1600	87.8	9[illegible].6	84.1	87.4	88.7	88.9	89.3	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9
1400	83.9	81.2	85.1	88.4	9[illegible].0	90.2	90.9	91.4	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8
1200	84.1	81.8	86.0	89.8	91.9	92.1	93.1	93.9	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6
1000	84.1	81.9	86.2	90.0	92.1	92.8	94.0	94.9	94.9	95.7	95.9	95.9	95.9	95.9	95.9	95.9
900	84.1	81.9	86.4	9[illegible].3	92.7	93.4	94.7	96.1	96.1	96.9	97.2	97.2	97.2	97.2	97.2	97.2
800	84.1	81.9	[illegible]6.4	90.4	92.9	93.8	95.2	96.9	96.9	97.7	98.1	98.1	98.1	98.1	98.1	98.1
700	84.1	82.1	86.6	90.7	93.1	94.3	95.8	97.9	97.9	98.7	99.1	99.1	99.1	99.1	99.2	99.2
600	84.1	82.1	86.6	90.8	93.3	94.6	96.0	98.2	98.2	99.0	99.4	99.6	99.6	99.6	99.7	99.7
500	84.1	82.1	86.6	90.8	93.3	94.6	96.0	98.2	98.2	99.0	99.4	99.6	99.8	99.8	100.0	100.0
400	84.1	82.0	86.6	90.8	93.3	94.6	96.0	98.2	98.2	99.0	99.4	99.6	99.8	99.8	100.0	100.0
300	84.1	82.0	86.6	90.8	93.3	94.6	96.0	98.2	98.2	99.0	99.4	99.6	99.8	99.8	100.0	100.0
200	84.1	82.0	86.6	90.8	93.3	94.6	96.0	98.2	98.2	99.0	99.4	99.6	99.8	99.8	100.0	100.0
100	84.1	82.0	86.6	90.8	93.3	94.6	96.0	98.2	98.2	99.0	99.4	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...SCOTT AFB
AF ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 0 CHICAGO-O'HARE IAP IL 74-83 ~~ALL~~
~~1200-1400~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING HEIGHT IN HUNDREDS OF FEET	VISIBILITY STATUTE MILES															
	3 or more	2 1/2	2	1 3/4	1 1/2	1 1/4	1	7/8	3/4	5/8	1/2	3/8	1/4	1/8	1/16	0
22 or more	37.1	38.1	38.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
20	40.4	46.1	46.9	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
18	40.1	46.2	47.0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
16	40.1	46.2	47.0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
14	41.1	46.9	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
12	42.2	48.3	49.2	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
10	43.1	51.2	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
9	44.1	51.2	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
8	47.0	52.9	53.9	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
7	48.3	53.1	54.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
6	49.4	54.1	55.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
5	49.7	55.4	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
4	49.9	57.1	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
3	50.4	59.2	60.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2	54.1	63.8	66.0	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
1 1/2	56.1	66.8	68.1	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
1	73.4	74.2	75.6	77.1	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
1/2	65.1	78.1	79.7	81.3	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0	67.1	79.7	81.4	83.2	83.8	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
M	68.2	81.9	84.4	86.7	87.4	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
	68.3	83.4	86.8	89.6	90.3	90.6	90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
	68.4	84.2	87.8	90.9	92.0	92.4	92.6	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
	68.6	84.8	88.4	91.8	92.9	93.3	93.6	93.9	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2
	68.7	85.1	88.8	92.2	93.4	94.1	94.2	94.6	94.6	94.9	95.0	95.1	95.1	95.1	95.1	95.1
	68.7	85.1	88.8	92.4	93.8	94.7	94.9	95.4	95.4	96.0	96.3	96.3	96.6	96.6	96.6	96.6
	68.7	85.1	88.8	92.7	94.1	95.3	96.0	96.9	96.9	97.4	97.8	97.8	98.3	98.3	98.3	98.3
	68.7	85.1	89.0	92.8	94.4	95.7	96.6	97.4	97.4	98.1	98.4	98.4	99.0	99.0	99.0	99.0
	68.7	85.1	89.1	92.9	94.6	95.8	96.7	97.6	97.6	98.4	98.8	98.9	99.4	99.6	99.6	99.6
	68.7	85.1	89.1	92.9	94.6	95.9	96.8	97.7	97.7	98.8	99.1	99.2	99.8	99.9	99.9	99.9
	68.7	85.1	89.1	92.9	94.6	95.9	96.8	97.7	97.7	98.8	99.1	99.2	99.8	99.9	99.9	99.9
	68.7	85.1	89.1	92.9	94.6	95.9	96.8	97.7	97.7	98.8	99.1	99.2	99.8	99.9	99.9	100.0
	68.7	85.1	89.1	92.9	94.6	95.9	96.8	97.7	97.7	98.8	99.1	99.2	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 880

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L PAL CLIMATOLOGY BRANCH
CAPETAC
[illegible] EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 0 CHICAGO-O'HARE IAP IL 74-83 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOUR

CEILING (HUNDREDS OF FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
	5 .1	38.8	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
	42.1	47.7	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
	42.1	47.8	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
	42.1	47.8	49.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
	40.	46.1	49.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
	43.3	49.6	50.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
	4 .3	52.7	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
	4 .0	53.1	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
	4 .1	56.0	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
	4 .3	56.2	57.3	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
	4 .9	57.6	58.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
	1.4	5 .6	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
	4.1	63.2	64.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
	5 .4	65.9	67.2	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
	5 .7	69.7	71.2	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
	2.1	72.3	74.1	74.8	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
	6 .	78.9	80.6	81.3	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
	6 .7	81.1	82.9	83.8	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.6	84.6	84.6	84.6
	6 .7	82.2	84.0	84.9	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8
	.1	34.7	86.9	87.0	88.7	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2
	.6	85.6	87.8	88.9	89.6	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2
	1.2	87.1	89.2	90.4	91.3	91.6	92.0	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2
	71.3	87.6	89.8	91.0	92.7	92.3	92.8	92.8	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0
	71.4	88.0	90.2	91.4	92.4	93.1	93.7	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9
	71.7	88.1	90.7	92.3	93.7	94.9	95.4	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9
	71.7	88.6	91.1	92.8	94.4	95.8	96.6	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2
	71.7	88.6	91.1	92.8	94.8	96.1	97.2	97.3	97.3	97.9	97.9	97.9	98.0	98.0	98.0	98.0
	71.7	88.6	91.0	92.8	95.2	96.3	97.6	98.0	98.0	98.9	99.0	99.0	99.1	99.1	99.1	99.1
	71.7	88.6	91.0	92.8	95.0	96.3	97.6	98.1	98.1	99.0	99.1	99.1	99.4	99.4	99.4	99.4
	71.7	88.6	91.0	92.8	95.0	96.3	97.6	98.1	98.1	99.0	99.1	99.1	99.4	99.4	99.7	99.7
	71.7	88.6	91.1	92.8	95.0	96.3	97.6	98.1	98.1	99.0	99.1	99.1	99.4	99.4	99.7	100.0
	71.7	88.6	91.1	92.8	95.0	96.3	97.6	98.1	98.1	99.0	99.1	99.1	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L AL C.IMATOLOGY BRANCH
ETAC
A FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 3 0 CHICAGO-O'HARE IAP IL 74-83 ~~APR~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1400-2000~~

VISIBILITY STATUTE MILES

CEILING FEET	≥10	10	9	8	7	6	5	4	≥3½	3	2½	2	1½	1	⅝	½	¼	0
12000	41.1	42.4	42.8	42.9	42.9	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
10000	48.3	49.1	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
9000	48.3	49.1	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
8000	48.3	49.1	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
7000	48.3	49.2	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
6000	50.4	51.2	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
5000	52.4	53.8	54.3	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
4500	53.3	54.2	55.2	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
4000	55.8	56.4	58.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
3500	56.9	57.7	59.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
3000	61.3	62.3	61.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2500	64.1	64.1	65.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
2200	65.7	66.6	68.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2000	67.4	67.7	69.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
1800	70.1	71.0	72.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
1600	72.6	74.9	76.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1400	76.2	79.4	81.3	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
1200	82.3	84.4	83.3	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
1000	84.7	82.1	84.0	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
900	86.8	83.4	85.8	87.7	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
800	89.7	85.1	87.4	89.3	89.7	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
700	91.1	86.1	88.3	90.8	91.3	91.3	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
600	92.4	86.6	89.4	92.1	92.6	92.6	92.7	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
500	92.7	87.2	90.1	92.9	93.4	93.4	93.7	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
400	93.1	88.1	91.6	94.7	95.4	95.6	96.0	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
300	93.1	88.4	92.1	95.3	96.8	97.1	97.8	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
200	93.1	88.8	92.3	95.9	97.1	97.3	98.0	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6
100	93.1	88.9	92.4	96.2	97.4	97.8	98.4	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
0	93.1	88.9	92.4	96.2	97.4	97.8	98.6	98.8	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6
	93.1	88.9	92.4	96.2	97.4	97.8	98.6	98.8	98.8	98.8	99.0	99.3	99.3	99.6	99.6	99.8	99.8	99.8
	93.1	88.9	92.4	96.2	97.4	97.8	98.6	98.8	98.8	98.8	99.0	99.4	99.4	99.7	99.7	99.9	100.0	100.0
	93.1	88.9	92.4	96.2	97.4	97.8	98.6	98.8	98.8	98.8	99.0	99.4	99.4	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~000~~

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L OBAL CLIMATOLOGY BRANCH
SAFETAC
AI WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12,3 0 CHICAGO-O'HARE IAP IL 74-83 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-2300

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)															
	≥10	6	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0 (0)	0 (0)	0 (0)
≥22000	41.1	47.3	47.2	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥20000	49.4	51.4	51.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
≥18000	49.4	50.4	51.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
≥16000	49.4	50.4	51.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
≥14000	49.4	51.0	51.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6	52.6
≥12000	49.1	53.1	53.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7
≥10000	49.2	57.3	59.1	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.1	59.1	59.1	59.1
≥9000	49.2	58.7	59.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
≥8000	52.1	61.9	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7
≥7000	53.1	63.1	63.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9
≥6000	55.1	65.3	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2
≥5000	65.6	68.7	69.8	71.9	71.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0
≥4500	65.9	70.7	71.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3
≥4000	67.9	72.9	74.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥3500	71.9	73.6	74.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1
≥3000	74.1	75.8	77.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7
≥2500	76.3	78.8	80.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8
≥2000	79.4	82.2	83.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2
≥1800	80.9	84.7	86.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
≥1600	81.6	85.8	87.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥1400	82.6	86.8	88.2	89.8	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1
≥1200	83.3	87.8	89.8	91.3	91.3	91.4	91.6	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
≥1000	83.6	88.3	90.3	91.9	91.9	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6
≥900	84.7	88.9	91.0	93.0	93.0	93.1	93.2	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7
≥800	84.8	89.4	91.9	94.1	94.3	94.4	94.6	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0
≥700	84.8	9 .0	93.3	96.0	96.6	96.7	96.9	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥600	84.8	9 .3	93.4	96.8	97.3	97.4	97.7	98.1	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4
≥500	84.8	90.4	93.7	97.1	97.7	97.9	98.2	98.7	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.1
≥450	84.8	90.4	93.7	97.1	97.7	97.9	98.3	98.8	98.8	98.9	99.0	99.0	99.4	99.4	99.6	99.6
≥400	84.8	9 .4	93.7	97.1	97.7	97.9	98.3	98.8	98.8	98.9	99.0	99.0	99.4	99.4	99.6	99.6
≥350	84.8	9 .4	93.7	97.1	97.7	97.9	98.3	98.8	98.8	98.9	99.3	99.3	99.8	99.8	99.9	100.0
≥300	84.8	9 .4	93.7	97.1	97.7	97.9	98.3	98.8	98.8	98.9	99.3	99.3	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETRIC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3-0 CHICAGO-O'HARE IAP IL 74-83 YEARS APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING IN HUNDREDS OF FEET	VISIBILITY STATUTE MILES															
	3 or more	2 1/2	2	1 3/4	1 1/2	1 1/4	1	7/8	3/4	5/8	1/2	3/8	1/4	1/8	1/16	0
3 or more	53.9	42.6	43.4	43.7	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2 1/2	41.1	47.7	48.6	49.1	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2	41.1	47.7	48.7	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
1 3/4	41.1	47.7	48.7	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
1 1/2	41.1	48.0	49.0	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
1 1/4	43.1	49.5	50.4	51.3	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1	47.5	53.2	54.3	55.1	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
7/8	47.5	54.5	55.7	56.4	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
3/4	48.3	56.9	58.2	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5
5/8	49.1	57.9	59.3	60.3	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
1/2	59.1	61.4	62.7	63.9	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
3/8	62.1	64.0	65.5	66.8	66.9	66.9	67.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
1/4	63.7	66.3	67.9	69.2	69.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
1/8	64.4	67.1	68.7	70.1	70.3	70.4	70.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
0	65.6	68.3	69.8	71.3	71.6	71.6	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
50	70.8	73.4	74.9	76.4	76.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1
40	72.2	74.7	76.3	77.8	78.2	78.2	78.3	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
30	73.1	77.4	79.1	80.7	81.1	81.2	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
25	75.2	78.6	80.7	82.4	82.8	82.9	83.0	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6
20	76.8	81.3	83.8	85.9	86.4	86.5	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
15	81.4	83.0	85.7	88.1	88.7	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4
12	82.2	84.2	87.2	89.8	90.5	90.7	91.1	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5
10	82.4	84.9	88.1	90.7	91.5	91.7	92.2	92.5	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7
9	82.6	85.4	88.7	91.7	92.7	92.9	93.5	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1
8	82.7	85.6	89.4	92.6	93.7	94.2	94.8	95.2	95.2	95.4	95.5	95.5	95.6	95.6	95.6	95.6
7	83.1	86.4	89.9	93.5	94.8	95.4	96.2	96.7	96.7	97.0	97.1	97.1	97.3	97.3	97.3	97.3
6	83.7	86.1	90.0	93.8	95.2	95.9	96.8	97.3	97.3	97.6	97.8	97.8	98.0	98.0	98.0	98.0
5	83.7	86.2	90.1	94.0	95.6	96.3	97.3	98.0	98.0	98.4	98.6	98.6	98.8	98.9	98.9	98.9
4	83.7	86.2	90.2	94.1	95.7	96.4	97.5	98.2	98.2	98.7	98.9	99.0	99.3	99.3	99.4	99.4
3	83.7	86.2	90.2	94.1	95.7	96.4	97.5	98.2	98.2	98.7	99.0	99.2	99.4	99.4	99.6	99.7
2	83.7	86.2	90.2	94.1	95.7	96.4	97.5	98.2	98.2	98.7	99.1	99.1	99.5	99.5	99.8	100.0
0	83.7	86.2	90.2	94.1	95.7	96.4	97.5	98.2	98.2	98.7	99.1	99.1	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

...L PAL CLIMATOLOGY BRANCH
...SAFETAC
A... -FAT-ER SERVICE/MAC

CEILING VERSUS VISIBILITY

...TO... CHICAGO-O'HARE IAP IL 74-83 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

VISIBILITY, STATUTE MILES

CEILING, FEET	30	26	25	24	23	22	22	21	21+	21	2+	2+	2	25/16	2+	20
4...2		56.6	57.1	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.6	57.8	57.8	57.8	57.8	57.8	57.8
...4...1		58.8	6...8	61.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
4...7		58.8	60.8	61.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
...4...7		5...8	60.8	61.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
5...0		7...1	61.1	61.8	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
...1...7		61.2	63.1	63.3	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
64.5		65.1	67.1	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
5...2		67.5	69.6	71.5	70.8	71.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
5...8		71.3	73.3	74.3	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8
...2...2		72.7	74.7	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2
1...7		74.7	76.8	77.8	78.1	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4
...3...4		76.9	79.1	80.3	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2
6...1		78.3	80.5	81.9	82.5	82.5	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9
...6...1		7...3	80.5	81.9	82.5	82.5	82.6	82.7	82.7	82.6	82.8	82.8	82.8	82.8	82.9	82.9	82.9
5.4		79.1	81.4	82.8	83.3	83.3	83.4	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8
...5...3		8...0	82.3	84.1	84.5	84.5	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9
6...1		31.6	83.9	85.7	86.5	86.5	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9
...6...4		82.7	85.1	86.9	87.6	87.6	87.7	87.8	87.8	88....	88.0	88.0	88.0	88.0	88.1	88.1	88.1
6...6		3.0	85.6	87.5	88.3	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
...6...8		83.9	86.7	88.6	89.4	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8
6...4		84.6	88....	89.9	9...9	90.9	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3
...6...1		85.9	89.5	91.7	92.8	92.8	92.9	93....	93.0	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2
6...0		86.1	89.8	92.3	93.4	93.4	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9
...6...4		86.1	90.5	93.0	94.2	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
6...4		87.1	91.1	93.5	94.7	94.7	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2
...6...5		87.3	91.3	94.2	95.4	95.5	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
6...5		87.3	91.3	94.2	95.4	95.8	95.9	96....	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2
...6...5		87.3	91.3	94.3	95.5	96....	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
6...5		87.3	91.3	94.3	95.5	96.1	96.7	97.1	97.1	97.3	97.4	97.4	97.5	97.5	97.8	97.8	97.8
...6...5		87.3	91.3	94.3	95.5	96.1	96.7	97.1	97.1	97.3	97.8	97.8	98.1	98.1	98.5	98.5	98.5
6...5		87.3	91.3	94.3	95.5	96.1	96.7	97.1	97.1	97.3	97.8	97.8	98.1	98.2	99.2	99.7	99.7
...6...5		87.3	91.3	94.3	95.5	96.1	96.7	97.1	97.1	97.3	97.8	97.8	98.1	98.2	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

...L CLIMATOLOGY BRANCH
...ETAC
AI... FATHER SERVICE MAC

CEILING VERSUS VISIBILITY

...3 0 CHICAGO-O'HARE INTL AP IL 74-83 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0500-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	>10	10	9	8	7	6	5	4½	4	3½	3	2½	2	1½	1¼	1
	42.1	49.1	49.9	51.3	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
	42.4	51.1	53.1	55.1	55.6	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
	42.4	51.1	53.1	55.1	55.6	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
	42.4	51.1	53.1	55.1	55.6	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
	42.4	51.3	53.3	55.3	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
	44.4	53.4	55.5	57.7	58.3	58.4	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
	49.2	58.3	60.4	62.7	63.2	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
	50.1	61.0	63.2	65.5	66.0	66.1	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
	52.7	64.9	67.3	70.0	70.6	70.8	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
	53.1	65.4	68.4	71.1	71.9	72.0	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
	54.1	67.6	70.3	73.2	74.1	74.2	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	55.2	70.5	73.4	76.5	77.4	77.5	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
	56.7	72.0	75.1	78.2	79.1	79.2	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
	56.7	72.0	75.1	78.2	79.1	79.2	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
	56.9	73.9	76.9	80.0	81.0	81.1	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
	57.4	74.4	77.6	81.1	82.0	82.2	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
	58.2	75.5	78.8	82.5	83.4	83.5	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
	58.4	75.9	79.5	83.2	84.2	84.3	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	58.1	76.2	79.9	83.7	84.6	84.7	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
	61.5	77.5	81.2	85.1	86.0	86.1	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	62.1	78.9	82.8	86.9	87.8	88.0	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
	62.1	80.0	84.4	88.6	89.6	89.8	90.2	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
	62.7	80.4	84.8	89.0	89.6	90.0	90.8	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	63.1	81.3	85.4	89.5	90.1	90.5	91.2	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	63.1	81.9	85.9	90.1	91.2	91.6	92.4	93.5	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
	63.1	82.0	85.9	90.1	91.2	91.6	92.4	93.5	94.5	95.1	95.1	95.2	95.2	95.2	95.2	95.2
	63.1	82.1	86.0	90.2	91.3	91.8	92.4	93.8	94.3	95.4	95.9	95.9	96.0	96.0	96.0	96.0
	63.1	82.1	86.2	90.4	91.7	92.2	92.9	94.2	94.9	96.3	96.9	96.9	97.1	97.1	97.1	97.1
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.4	97.4	97.5
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.7	97.7	98.2
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.7	97.7	98.2
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.7	97.7	98.2

CEILING FEET	VISIBILITY STATUTE MILES															
	>10	10	9	8	7	6	5	4½	4	3½	3	2½	2	1½	1¼	1
	42.1	49.1	49.9	51.3	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
	42.4	51.1	53.1	55.1	55.6	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
	42.4	51.1	53.1	55.1	55.6	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
	42.4	51.1	53.1	55.1	55.6	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
	42.4	51.3	53.3	55.3	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
	44.4	53.4	55.5	57.7	58.3	58.4	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
	49.2	58.3	60.4	62.7	63.2	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
	50.1	61.0	63.2	65.5	66.0	66.1	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
	52.7	64.9	67.3	70.0	70.6	70.8	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
	53.1	65.4	68.4	71.1	71.9	72.0	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
	54.1	67.6	70.3	73.2	74.1	74.2	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	55.2	70.5	73.4	76.5	77.4	77.5	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
	56.7	72.0	75.1	78.2	79.1	79.2	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
	56.7	72.0	75.1	78.2	79.1	79.2	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
	56.9	73.9	76.9	80.0	81.0	81.1	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
	57.4	74.4	77.6	81.1	82.0	82.2	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
	58.2	75.5	78.8	82.5	83.4	83.5	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
	58.4	75.9	79.5	83.2	84.2	84.3	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	58.1	76.2	79.9	83.7	84.6	84.7	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
	61.5	77.5	81.2	85.1	86.0	86.1	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	62.1	78.9	82.8	86.9	87.8	88.0	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
	62.1	80.0	84.4	88.6	89.6	89.8	90.2	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
	62.7	80.4	84.8	89.0	89.6	90.0	90.8	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	63.1	81.3	85.4	89.5	90.1	90.5	91.2	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	63.1	81.9	85.9	90.1	91.2	91.6	92.4	93.5	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
	63.1	82.0	85.9	90.1	91.2	91.6	92.4	93.5	94.5	95.1	95.1	95.2	95.2	95.2	95.2	95.2
	63.1	82.1	86.0	90.2	91.3	91.8	92.4	93.8	94.3	95.4	95.9	95.9	96.0	96.0	96.0	96.0
	63.1	82.1	86.2	90.4	91.7	92.2	92.9	94.2	94.9	96.3	96.9	96.9	97.1	97.1	97.1	97.1
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.4	97.4	97.5
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.7	97.7	98.2
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.7	97.7	98.2
	63.2	82.4	86.3	90.5	91.8	92.3	93.0	94.3	95.1	96.6	97.1	97.1	97.4	97.7	97.7	98.2

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-[illegible] IL 74-83 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-0600

VISIBILITY (STATUTE MILES)

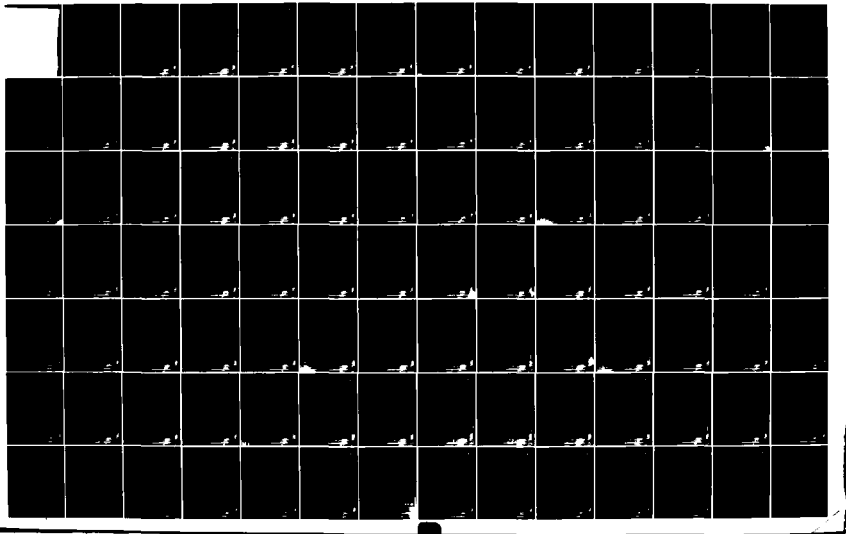
[illegible]	[illegible]	[illegible]	[illegible]	51.3	51.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
[illegible]	[illegible]	[illegible]	56.5	57.1	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
[illegible]	56.2	[illegible]	56.5	57.1	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
[illegible]	56.2	[illegible]	56.5	57.1	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
[illegible]	[illegible]	[illegible]	56.5	57.1	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
[illegible]	[illegible]	[illegible]	58.6	59.2	59.5	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
[illegible]	[illegible]	59.5	[illegible]	63.8	64.2	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
[illegible]	57.3	60.8	64.7	65.5	65.9	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
[illegible]	60.8	64.2	68.6	69.8	70.2	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
[illegible]	61.7	65.2	69.7	71.0	71.4	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
[illegible]	63.2	66.7	71.4	72.7	73.1	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
[illegible]	64.6	68.4	73.3	74.6	75.1	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
[illegible]	65.3	69.1	74.2	75.7	76.1	76.7	[illegible]	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
[illegible]	65.5	69.4	74.4	76.0	76.5	77.1	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
[illegible]	66.5	70.3	75.4	77.0	77.4	78.1	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
[illegible]	66.7	70.5	75.7	77.3	77.7	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
[illegible]	[illegible]	72.2	77.4	79.5	79.9	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
[illegible]	[illegible]	73.7	79.1	81.1	81.5	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
[illegible]	70.1	74.2	79.6	81.7	82.2	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
[illegible]	72.5	76.7	82.2	[illegible]	84.9	85.6	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
[illegible]	72.8	77.6	83.3	85.9	86.5	87.3	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
[illegible]	73.7	78.5	84.6	87.1	87.7	88.7	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
[illegible]	74.2	79.1	85.6	88.1	88.7	89.7	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
[illegible]	74.4	79.5	86.1	88.9	89.6	90.8	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
55.1	74.7	80.0	[illegible]	90.0	90.8	92.2	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
[illegible]	75.4	80.8	88.1	91.1	92.2	93.9	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
[illegible]	75.6	81.2	88.4	91.6	92.6	94.5	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
[illegible]	75.7	81.4	88.8	[illegible]	93.2	95.1	96.1	96.2	97.1	97.4	97.4	97.4	97.4	97.4	97.4
[illegible]	75.7	81.4	89.0	92.3	93.4	95.3	96.3	96.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0
[illegible]	[illegible]	81.4	89.0	92.3	93.4	95.3	96.3	96.5	97.6	98.0	98.0	98.7	98.9	99.4	99.4
[illegible]	75.7	81.4	89.1	[illegible]	93.4	95.3	96.3	96.5	97.6	98.0	98.0	98.8	99.0	99.6	100.0
[illegible]	75.7	81.4	89.1	92.3	93.4	95.3	96.3	96.5	97.6	98.0	98.0	98.8	99.0	99.6	100.0

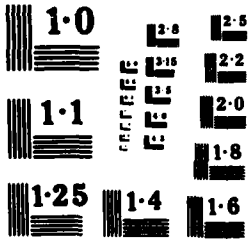
TOTAL NUMBER OF OBSERVATIONS 930

AD A147 206 O'HARE INTERNATIONAL AIRPORT CHICAGO REVISED UNIFORM SUMMARY OF SURFACE W..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84

3/6

UNCLASSIFIED USAFETAC/DS-84/033 SBI-AD-E850 751 F/G 4/2 NL




1·0
1·1
1·25
1·4
1·6
2·0
2·2
2·5

...L CLIMATOLOGY BRANCH
...ETAC
AT ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~13 3 0~~ station number ~~CHICAGO-O'HARE IAP IL~~ station name ~~74-83~~ years ~~MAY~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~5800-1100~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥0
NO CEILING	51.5	46.6	49.9	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	46.1	56.0	57.4	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	46.1	56.0	57.4	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 14000	46.1	56.0	57.4	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	46.2	56.1	57.5	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	46.1	57.1	58.6	60.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	47.4	59.6	61.2	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	48.6	61.4	63.1	65.3	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 7000	50.5	63.9	65.7	68.2	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	51.4	64.4	66.9	69.4	70.2	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 5000	51.1	65.5	67.5	70.1	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	52.1	66.8	69.1	71.8	73.1	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4000	52.5	67.7	70.1	72.8	74.1	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	54.1	68.7	71.1	73.9	75.2	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	54.1	69.9	72.3	75.1	76.3	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	54.2	71.7	74.1	76.9	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2200	55.3	74.5	77.1	79.8	81.2	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	60.4	77.1	80.1	82.8	84.3	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	61.0	77.8	80.8	83.5	85.1	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1500	62.4	80.1	83.4	86.3	87.8	88.0	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	62.6	81.6	84.8	88.1	89.6	89.9	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	62.1	82.8	86.1	89.5	91.2	91.6	92.3	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	63.1	83.2	86.7	90.2	91.8	92.3	92.9	93.1	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800	63.2	83.8	87.2	90.6	92.2	93.1	93.8	93.9	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	63.3	84.2	87.8	91.4	93.4	93.9	94.6	94.7	94.7	95.4	95.5	95.5	95.6	95.6	95.6	95.6
≥ 600	63.3	84.5	88.8	92.5	94.7	95.3	96.1	96.5	96.5	97.2	97.3	97.3	97.4	97.4	97.4	97.4
≥ 500	63.3	84.6	88.9	92.8	95.6	96.1	97.1	97.6	97.6	98.4	98.5	98.5	98.6	98.6	98.6	98.6
≥ 400	63.3	84.6	88.9	92.8	95.6	96.1	97.2	98.0	98.0	98.9	99.0	99.0	99.2	99.2	99.4	99.4
≥ 300	63.3	84.6	88.9	92.8	95.6	96.1	97.2	98.1	98.1	99.1	99.2	99.2	99.6	99.6	99.7	99.7
≥ 200	63.3	84.6	88.9	92.8	95.6	96.1	97.2	98.1	98.1	99.2	99.4	99.4	99.9	99.9	100.0	100.0
≥ 100	63.3	84.6	88.9	92.8	95.6	96.1	97.2	98.1	98.1	99.2	99.4	99.4	99.9	99.9	100.0	100.0
≥ 0	63.3	84.6	88.9	92.8	95.6	96.1	97.2	98.1	98.1	99.2	99.4	99.4	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13 10 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	<¼
NO CEILING	5 .3	44.9	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	4 .3	54.4	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	4 .9	54.5	55.9	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 6000	46.5	54.5	55.9	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	46.1	54.8	56.2	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	4 .3	56.9	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	5 .7	59.5	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 9000	1.0	60.8	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	53.1	64.6	66.6	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000	54.2	65.6	67.5	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	5 .1	67.2	69.1	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	5 .2	69.8	71.8	72.7	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	57.9	72.2	74.2	75.1	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4000	61.1	74.0	76.0	77.0	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	67.3	76.6	78.4	79.7	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000	65.1	79.1	81.3	82.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	67.4	82.7	84.8	86.0	87.2	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	68.3	84.4	87.0	88.3	89.5	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	68.5	84.9	87.5	88.8	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	68.6	86.5	89.1	90.9	92.1	92.3	92.3	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	70.0	87.6	90.3	92.1	93.2	93.7	93.7	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	70.2	88.0	90.9	93.2	94.4	95.1	95.2	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	70.2	88.0	91.1	93.5	94.8	95.5	95.7	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	70.2	88.1	91.1	93.7	95.2	95.8	96.0	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	70.2	88.3	91.5	94.1	96.0	96.7	96.9	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	70.2	88.4	91.9	94.5	96.6	97.2	97.5	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	70.2	88.4	92.2	94.7	97.3	97.6	98.0	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	70.2	88.4	92.3	94.8	97.2	98.2	98.6	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	70.2	88.4	92.3	94.8	97.2	98.2	98.6	99.1	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7
≥ 200	70.2	88.4	92.3	94.8	97.2	98.2	98.6	99.1	99.1	99.5	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100	70.2	88.4	92.3	94.8	97.2	98.2	98.6	99.1	99.1	99.5	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0	70.2	88.4	92.3	94.8	97.2	98.2	98.6	99.1	99.1	99.5	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3.0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOUR LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	5..4	45.6	46.6	46.8	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	45.6	53.8	54.4	55.4	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	45.1	53.9	55.1	55.5	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	45.1	54.0	55.2	55.6	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 14000	45.1	54.2	55.4	55.8	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	45.1	54.9	58.2	58.6	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 11000	0.2	61.1	61.9	62.2	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	1.5	61.5	62.9	63.5	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	53.1	64.9	66.6	67.2	67.8	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 7000	54.5	65.9	67.6	68.1	69.0	69.0	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	54.7	69.5	71.4	71.1	71.8	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	54.7	71.9	74.1	74.7	75.7	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	51.9	74.9	77.0	77.7	78.7	78.7	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000	52.0	76.6	78.6	79.4	80.3	80.3	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	54.7	78.9	81.1	81.8	82.8	82.8	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	66.1	81.8	84.1	84.8	86.0	86.0	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	67.0	85.2	87.8	88.7	90.0	90.1	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	67.3	85.7	88.4	89.4	90.6	90.8	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	67.4	86.0	88.7	89.9	91.3	91.4	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1600	67.4	86.9	89.7	91.1	92.5	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1400	67.8	87.5	90.3	91.6	93.1	93.5	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	70.0	87.8	90.8	92.6	94.3	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	70.1	88.4	91.4	93.2	94.9	95.4	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	70.1	88.7	91.7	93.5	95.5	95.9	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	70.0	88.8	91.8	94.0	95.9	96.3	97.0	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	70.0	89.0	92.2	94.4	96.5	96.9	97.8	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	70.0	89.1	92.3	94.5	97.0	97.4	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	70.0	89.1	92.3	94.5	97.0	97.4	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	70.0	89.1	92.3	94.5	97.1	97.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	70.0	89.1	92.3	94.5	97.1	97.5	98.9	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	70.0	89.1	92.3	94.5	97.1	97.5	98.9	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	70.0	89.1	92.3	94.5	97.1	97.5	98.9	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	70.0	89.1	92.3	94.5	97.1	97.5	98.9	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

720 7 0 (STATION) CHICAGO-O'HARE INTAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

1600-2000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	42.4	47.5	49.1	49.5	49.7	49.7	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥20000	43.2	55.4	57.5	58.1	58.6	58.6	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥18000	43.2	55.8	57.5	58.0	58.6	58.6	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥16000	43.2	55.8	57.5	58.0	58.6	58.6	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥14000	43.5	56.1	57.8	58.3	58.9	58.9	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥12000	51.2	58.4	60.1	60.5	61.2	61.2	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥10000	53.1	62.0	64.0	64.5	65.2	65.2	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥9000	54.1	63.3	65.4	66.0	66.7	66.7	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥8000	57.1	66.5	68.5	69.1	69.8	69.8	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥7000	59.2	67.8	69.9	70.5	71.2	71.2	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥6000	71.2	70.8	72.8	73.7	74.3	74.5	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥5000	72.2	73.9	76.1	77.1	77.7	78.1	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥4500	73.4	75.5	77.6	78.7	79.5	79.7	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥4000	74.1	76.2	78.5	79.6	80.4	80.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥3500	76.1	79.1	81.4	82.6	83.5	83.8	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥3000	81.3	82.3	84.5	85.9	87.2	87.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥2500	82.1	83.4	86.1	87.4	88.5	88.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥2000	86.4	89.1	86.7	88.1	89.1	89.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥1800	89.5	94.2	87.0	88.4	89.5	89.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥1600	89.6	94.7	87.7	89.1	90.3	90.6	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥1400	89.7	85.3	88.4	90.1	91.3	91.6	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥1200	91.0	85.9	89.1	91.2	92.6	92.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥1000	70.0	86.1	89.4	91.5	92.9	93.2	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥900	70.0	86.1	89.4	91.5	93.1	93.4	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4
≥800	70.0	86.1	89.4	91.5	93.1	93.4	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4
≥700	70.1	86.2	89.8	92.3	94.0	94.3	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3
≥600	70.0	86.3	90.0	92.5	94.4	94.9	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥500	70.0	86.5	90.2	92.8	94.7	95.4	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0
≥400	70.0	86.5	90.3	92.9	94.8	95.5	97.7	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6
≥300	70.0	86.5	90.3	93.1	95.2	95.8	98.2	98.8	98.8	99.0	99.4	99.4	99.4	99.4	99.4
≥200	70.0	86.5	90.3	93.1	95.2	95.8	98.4	99.0	99.0	99.2	99.7	99.7	99.8	99.8	99.8
≥100	70.0	86.5	90.3	93.1	95.2	95.8	98.4	99.0	99.0	99.2	99.8	99.8	100.0	100.0	100.0
0	70.0	86.5	90.3	93.1	95.2	95.8	98.4	99.0	99.0	99.2	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~72-3-0~~ STATION NO. ~~CHICAGO-O'HARE IAP IL~~ STATION NAME 74-83 YEARS ~~ANY~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1100-2300~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≤5/16	≥0	=0
NO CEILING	4[illegible].2	51.4	53.3	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	4[illegible].9	57.7	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	4[illegible].9	57.7	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
> 6000	4[illegible].9	57.7	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	4[illegible].9	57.7	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
> 12000	4[illegible].9	57.7	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	1.2	54.4	61.3	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
> 9000	4[illegible].1	62.7	64.6	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	5.2	64.2	66.1	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
> 7000	57.8	67.8	69.9	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 6000	5[illegible].1	69.4	71.4	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
> 5000	1.4	72.2	74.3	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500	2.4	74.[illegible]	76.3	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
> 4000	3.2	75.6	78.[illegible]	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500	3.4	75.8	78.3	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
> 3000	5.2	78.5	81.0	81.[illegible]	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	6.1	8[illegible].5	83.2	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
> 2000	67.1	82.[illegible]	84.8	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	68.6	83.9	86.8	88.1	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
> 1500	69.9	84.[illegible]	87.2	88.6	88.9	88.9	89.[illegible]	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	8[illegible].1	85.1	88.4	89.8	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
> 1000	6[illegible].6	85.6	89.[illegible]	90.4	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	7[illegible].1	86.4	9[illegible].1	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
> 800	70.2	86.8	90.6	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	70.3	86.9	90.9	92.6	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
> 600	7[illegible].3	87.4	91.5	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500	7[illegible].3	87.7	92.3	94.2	94.5	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
> 400	7[illegible].3	87.7	92.5	94.5	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	70.3	87.7	92.6	94.8	95.3	95.6	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
> 200	70.3	87.7	92.6	94.8	95.4	95.7	96.3	96.9	96.9	97.1	97.3	97.3	97.3	97.3	97.5	97.5
≥ 100	7[illegible].3	87.7	92.[illegible]	94.8	95.4	95.7	96.4	97.2	97.2	97.6	98.0	98.0	98.4	98.5	99.2	99.2
> 0	7[illegible].3	87.7	92.6	94.8	95.4	95.7	96.4	97.2	97.2	97.6	98.0	98.0	98.4	98.5	99.5	100.0
[illegible]	7[illegible].3	87.7	92.6	94.8	95.4	95.7	96.4	97.2	97.2	97.6	98.0	98.0	98.4	98.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3.0 CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
...ING	4..1	4..4	5..0	51.0	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
20000	45..1	54..7	56.6	57.7	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
10000	47..1	54.8	56.6	57.7	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
5000	45..1	54.8	56.6	57.8	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
4000	47..0	55.0	56.8	57.9	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
3000	47..5	56.9	58.8	60.0	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
2500	..1	60.4	62.5	63.9	64.3	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
2000	..1.4	62.1	64.2	65.7	66.1	66.2	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
1500	53..(	65.6	67.8	69.4	7 ..)	70.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
1400	54..3	66.7	69.0	70.6	71.2	71.3	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
1300	5..3	68.7	71.0	72.8	73.4	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0
1200	5..1	71.0	73.5	75.5	76.3	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
1100	5..2	72.7	75.2	77.2	78.)	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
1000	5..8	73.4	75.9	77.9	78.8	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
900	..1.1	75.3	77.9	79.9	80.8	80.9	81.2	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
800	..2.3	77.1	79.7	81.9	82.9	83.0	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6
700	..3.8	79.1	81.9	84.2	85.3	85.5	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
600	..4.5	8..4	83.4	85.7	86.9	87.1	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
500	..4.9	90.9	83.9	86.3	87.4	87.6	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
400	..5.5	92.2	85.4	87.9	89.1	89.2	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1
300	..5.4	93.0	86.4	89.0	90.3	90.6	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5
200	..6.3	93.8	87.4	90.4	91.8	92.1	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
100	..6.4	84.2	87.8	91.1	92.4	92.7	93.3	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8
0	..6.5	84.4	88.1	91.4	92.9	93.3	93.9	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4
CIG	..6.5	94.7	88.6	92.1	93.8	94.1	94.8	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4
CIG	..6.8	84.9	89.1	92.8	94.5	95.0	95.9	96.3	96.3	96.5	96.5	96.5	96.5	96.6	96.6
500	..6.8	85.1	89.3	93.0	95.1	95.6	96.5	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3
400	..6.8	85.1	89.4	93.2	95.2	95.9	97.0	97.6	97.6	98.0	98.1	98.1	98.1	98.1	98.1
300	..6.8	85.1	89.4	93.3	95.3	96.3	97.2	97.9	97.9	98.4	98.5	98.5	98.6	98.6	98.7
200	..6.8	85.1	89.4	93.3	95.3	96.0	97.3	98.0	98.0	98.5	98.8	98.8	99.1	99.2	99.8
...	..6.8	85.1	89.4	93.3	95.3	96.0	97.3	98.0	98.0	98.5	98.8	98.8	99.2	99.2	99.7
	..6.8	85.1	89.4	93.3	95.3	96.0	97.3	98.0	98.0	98.5	98.8	98.8	99.2	99.2	99.7

TOTAL NUMBER OF OBSERVATIONS 7480

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~72,730~~ CHICAGO-O'HARE, IAP, IL (STATION NAME) 74-83 (YEARS) ~~JUN~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0000-0200~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	0
CEILING 20000	4 .1	54.8	56.8	58.6	58.9	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
	45.3	52.1	61.4	63.4	63.8	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
8000 2400	4 .2	59.0	61.4	63.4	63.8	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
	4 .2	59.0	61.4	63.4	63.8	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
4000 1200	4 .6	59.4	61.9	63.9	64.2	64.3	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
	4 .9	61.6	64.1	66.2	66.7	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
3000 900	52.1	65.2	67.8	69.9	70.3	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
	55.0	67.4	70.0	72.1	72.6	72.7	72.8	73.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2500 800	5 .7	71.9	74.6	76.8	77.3	77.4	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
	61.2	75.1	77.8	80.3	80.9	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2000 600	72.2	76.2	79.1	81.6	82.1	82.2	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
	64.1	79.1	81.9	84.4	85.1	85.1	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
1700 500	65.9	81.1	83.9	86.6	87.2	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
	65.4	81.2	84.0	86.8	87.4	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1500 450	86.7	92.1	94.9	97.7	98.3	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	82.1	92.8	95.6	98.3	99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1300 400	86.0	94.1	97.2	99.4	99.1	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	68.1	85.1	88.2	91.4	92.1	92.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1000 300	86.9	85.4	98.6	91.9	92.6	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	68.3	86.1	89.2	92.4	93.2	93.3	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
900 250	87.1	87.3	90.3	93.8	94.6	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
	70.3	88.1	91.6	95.0	95.8	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
800 200	77.9	88.3	91.8	95.2	96.1	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	71.0	88.4	92.0	95.4	96.3	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
700	71.1	88.6	92.0	95.4	96.4	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
600	71.1	88.6	92.1	95.7	96.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500 400	71.1	88.8	92.2	95.9	97.1	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	71.1	88.8	92.2	96.0	97.3	97.4	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
300 200	71.0	88.6	92.2	96.2	97.6	97.7	98.1	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
	71.1	88.6	92.2	96.2	97.6	97.7	98.1	98.7	98.7	98.8	99.0	99.0	99.2	99.2	99.8	99.8
100	71.1	88.6	92.2	96.2	97.6	97.7	98.1	98.7	98.7	98.8	99.0	99.0	99.2	99.2	99.8	99.8
	71.1	88.6	92.2	96.2	97.6	97.7	98.1	98.7	98.7	98.8	99.0	99.0	99.2	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...SAFETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0600 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
[illegible]	3[illegible].7	[illegible].9	53.3	56.3	57.1	57.2	57.6	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0
20000	52.0	53.8	56.2	59.6	60.2	60.4	60.8	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4
15000	52.0	53.8	56.2	59.6	60.2	60.4	60.8	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4
12000	52.1	54.0	56.4	59.8	60.4	60.7	61.0	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7
10000	52.3	54.3	56.8	60.2	60.9	61.1	61.4	61.8	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1
9000	52.1	55.3	57.8	61.2	62.0	62.2	62.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
8000	54.6	58.9	61.9	65.4	66.2	66.4	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
7000	57.1	61.8	64.9	68.7	69.4	69.7	70.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
6000	61.1	65.8	69.2	73.0	73.8	74.0	74.3	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.3	75.3
5000	63.1	67.6	71.1	75.1	75.9	76.1	76.4	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.4	77.4
4500	64.1	68.9	72.6	76.8	77.6	77.8	78.1	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.2	79.2
4000	65.6	71.9	75.6	80.1	80.9	81.1	81.4	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.6	82.6
3500	67.8	73.4	77.2	81.9	82.7	82.9	83.2	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.3	84.3
3000	67.8	73.4	77.4	82.2	83.0	83.2	83.6	84.2	84.2	84.6	84.6	84.6	84.6	84.6	84.7	84.7
2500	68.3	75.0	79.1	84.1	84.9	85.1	85.4	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.6	86.6
2000	68.9	75.1	80.0	85.1	86.0	86.2	86.8	87.4	87.4	87.8	87.8	87.8	87.9	87.9	88.0	88.0
1800	69.2	76.2	81.6	85.8	86.9	87.2	87.6	88.2	88.2	88.6	88.6	88.6	88.7	88.7	88.8	88.8
1600	71.1	77.6	81.9	87.2	88.2	88.4	89.0	89.8	89.8	90.1	90.1	90.1	90.2	90.2	90.3	90.3
1400	71.3	77.8	82.2	87.7	88.7	88.9	89.4	90.2	90.2	90.6	90.6	90.6	90.7	90.7	90.8	90.8
1200	71.6	78.3	82.9	88.7	89.7	89.9	90.4	91.3	91.3	91.7	91.8	91.8	91.9	91.9	92.0	92.0
1000	72.2	79.3	84.1	90.2	91.2	91.6	92.2	93.1	93.1	93.6	93.7	93.7	93.8	93.8	93.9	93.9
900	73.1	80.6	85.4	91.2	92.2	92.6	93.2	94.1	94.1	94.6	94.7	94.7	94.8	94.8	94.9	94.9
800	73.3	80.7	85.6	92.2	93.3	93.7	94.4	95.6	95.6	96.1	96.1	96.1	96.2	96.2	96.3	96.3
700	73.3	80.7	85.8	92.4	93.6	93.9	94.7	95.8	95.8	96.2	96.3	96.3	96.4	96.4	96.6	96.6
600	73.1	81.0	86.2	92.9	94.0	94.3	95.1	96.3	96.3	96.9	97.0	97.0	97.1	97.1	97.2	97.2
500	73.2	81.3	86.6	93.4	94.6	94.9	95.8	97.1	97.1	97.7	97.8	97.8	97.9	97.9	98.0	98.0
400	73.4	81.6	86.8	93.9	95.1	95.3	96.2	97.6	97.6	98.3	98.4	98.4	98.6	98.6	98.7	98.7
300	73.4	81.6	86.8	93.9	95.1	95.4	96.6	98.1	98.1	98.9	99.0	99.0	99.1	99.1	99.2	99.2
200	73.4	81.6	86.8	93.9	95.1	95.4	96.6	98.1	98.1	99.1	99.2	99.2	99.3	99.3	99.4	99.4
100	73.4	81.6	86.8	93.9	95.1	95.4	96.7	98.2	98.2	99.2	99.4	99.4	99.6	99.6	99.8	99.9
0	73.4	81.6	86.8	93.9	95.1	95.4	96.7	98.2	98.2	99.2	99.4	99.4	99.6	99.6	99.8	100.0
	73.4	81.6	86.8	93.9	95.1	95.4	96.7	98.2	98.2	99.2	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13730 CHICAGO-O'HARE INTL AP IL 74-83 YEARS ANN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING	36.1	46.9	49.8	52.6	52.9	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	42.1	53.4	56.3	60.4	60.8	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
≥ 18000	42.1	53.4	56.3	60.4	60.8	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
≥ 14000	42.3	54.0	56.9	60.7	61.0	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
≥ 12000	42.4	54.1	56.9	60.8	61.1	61.2	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
≥ 10000	43.1	55.3	57.9	62.2	62.7	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
≥ 9000	45.3	56.2	61.1	65.6	66.1	66.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4
≥ 8000	46.1	60.8	63.8	68.4	69.1	69.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
≥ 7000	49.3	64.1	67.3	72.3	72.9	73.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
≥ 6500	50.3	65.3	68.3	73.4	74.0	74.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6
≥ 6000	51.1	65.9	69.2	74.4	75.1	75.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
≥ 5000	51.4	67.2	70.8	76.1	77.0	77.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6
≥ 4500	52.6	68.0	71.9	77.4	78.3	78.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
≥ 4000	52.9	68.4	72.4	78.0	78.9	79.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6
≥ 3500	53.3	69.6	73.7	79.2	80.2	80.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
≥ 3000	53.7	70.6	74.9	80.4	81.4	81.6	82.8	83.0	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.4
≥ 2500	54.3	71.2	75.6	81.4	82.4	82.8	84.0	84.2	84.2	84.6	84.6	84.6	84.7	84.7	84.7	84.8
≥ 2000	55.0	72.3	77.0	83.1	84.1	84.4	86.1	86.3	86.3	86.7	86.7	86.7	86.8	86.8	86.8	86.9
≥ 1800	55.6	73.7	78.0	84.1	85.1	85.4	87.0	87.3	87.3	87.7	87.7	87.7	87.8	87.8	87.8	87.9
≥ 1600	56.1	75.6	80.1	86.3	87.4	87.8	89.4	89.8	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.3
≥ 1400	57.2	76.3	81.1	87.4	88.6	88.9	90.7	91.1	91.1	91.4	91.4	91.4	91.6	91.6	91.6	91.7
≥ 1200	57.8	77.2	82.1	89.1	90.6	91.1	93.0	93.4	93.4	93.8	93.8	93.8	93.9	93.9	93.9	94.0
≥ 1000	57.1	77.7	82.6	89.8	91.3	91.9	93.8	94.2	94.2	94.6	94.6	94.6	94.7	94.7	94.7	94.8
≥ 900	57.4	77.9	82.9	90.3	91.9	92.7	94.6	95.0	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.6
≥ 800	57.1	77.9	82.9	90.3	92.0	92.8	94.9	95.3	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.1
≥ 700	57.4	78.0	83.2	90.6	92.4	93.2	95.2	95.7	96.0	96.4	96.4	96.4	96.5	96.5	96.5	96.6
≥ 600	57.1	78.2	83.4	91.2	92.9	93.7	96.1	97.1	97.4	98.0	98.0	98.1	98.2	98.2	98.2	98.3
≥ 500	57.4	78.2	83.4	91.3	93.0	93.8	96.4	97.8	98.1	98.8	98.8	98.9	99.1	99.1	99.1	99.2
≥ 400	57.1	78.2	83.4	91.3	93.0	93.8	96.6	98.0	98.3	99.0	99.1	99.2	99.6	99.6	99.6	99.7
≥ 300	57.4	78.2	83.4	91.3	93.0	93.8	96.6	98.0	98.3	99.0	99.3	99.4	99.8	99.8	99.8	99.9
≥ 200	57.1	78.2	83.4	91.3	93.0	93.8	96.6	98.0	98.3	99.0	99.3	99.4	99.8	99.8	99.8	100.0
≥ 100	57.4	78.2	83.4	91.3	93.0	93.8	96.6	98.0	98.3	99.0	99.3	99.4	99.8	99.8	99.8	100.0
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...SAFETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23230 CHICAGO-O'HARE IAP IL 74-83 ~~HOUR~~
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0000-1100~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥5/8	≥½	≥0
NO CEILING	42.7	47.6	52.6	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 25000	42.1	56.0	59.6	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4
≥ 18000	42.0	56.0	59.6	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4
≥ 9000	42.1	56.2	59.8	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7
≥ 4500	42.2	56.3	59.9	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8
≥ 3000	42.7	56.3	62.1	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9
≥ 2000	52.1	63.9	67.6	69.2	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0
≥ 1500	54.1	66.8	70.2	72.1	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
≥ 1000	56.7	69.3	73.0	75.2	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4
≥ 900	56.1	69.7	73.3	75.6	76.3	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9
≥ 800	57.2	70.2	74.0	76.3	77.1	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
≥ 700	58.1	71.4	75.3	77.9	78.7	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2
≥ 600	57.7	72.2	76.2	78.9	79.8	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
≥ 500	58.8	72.6	76.6	79.3	80.2	80.4	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0
≥ 400	60.1	74.4	78.6	81.3	82.2	82.4	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0
≥ 300	61.3	76.4	80.6	83.3	84.2	84.4	84.9	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1
≥ 200	63.1	79.6	83.9	86.7	87.6	87.8	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 100	65.1	81.8	86.3	89.1	90.2	90.4	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥ 0	65.3	82.3	86.9	89.7	90.8	91.0	91.8	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1
	66.2	83.8	88.4	91.3	92.8	93.1	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3
	66.6	84.6	89.6	92.7	94.2	94.7	95.4	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9
	66.7	85.1	90.0	93.2	94.9	95.3	96.1	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
	66.7	85.2	90.2	93.6	95.2	95.7	96.4	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
	66.7	85.3	90.3	93.8	95.6	96.2	96.9	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
	66.7	85.4	90.4	93.9	95.7	96.1	97.0	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
	66.7	85.7	90.8	94.2	96.6	96.9	97.8	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
	66.7	85.7	90.8	94.4	96.7	97.1	98.1	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
	66.7	85.7	90.8	94.4	96.7	97.2	98.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
	66.7	85.7	90.8	94.4	96.7	97.2	98.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
	66.7	85.7	90.8	94.4	96.7	97.2	98.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
	66.7	85.7	90.8	94.4	96.7	97.2	98.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
	66.7	85.7	90.8	94.4	96.7	97.2	98.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L RAL CLIMATOLOGY BRANCH
...AFETAC
A... ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-73 0 CHICAGO-O'HARE INTL AP, IL 74-83 YEARS ~~ANN~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1400~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½		≥5/16	≥¼	<¼
CLEAR																
≥20000	47.1	47.3	50.7	51.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥18000 6000	47.1	57.0	58.6	59.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥14000 5000	47.2	57.3	58.9	59.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥12000 4000	52.3	62.6	64.2	65.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥10000 3500	53.1	64.4	66.2	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥9000 3000	55.3	67.8	69.7	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥8000 2500	56.1	68.6	71.4	72.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥7000 2500	57.6	69.8	71.7	72.7	74.0	74.0	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥6000 2000	60.2	73.2	75.1	76.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥5000 1800	61.2	74.9	76.8	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥4500 1600	62.3	77.1	79.1	80.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥4000 1400	65.8	81.2	82.4	83.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥3500 1200	67.1	83.4	85.7	86.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥3000 1000	68.3	86.8	89.2	90.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥2500 900	68.8	88.0	90.4	92.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥2000 800	70.1	88.4	90.9	92.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥1800 700	70.3	89.1	92.1	93.2	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥1500 600	71.2	90.0	92.4	94.1	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥1000 500	71.7	90.6	93.1	94.9	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥900 400	71.8	90.7	93.2	95.1	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥800 300	71.8	91.1	93.7	95.6	98.0	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥700 200	71.8	91.6	94.1	96.1	98.6	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥600 200	71.8	91.7	94.2	96.2	98.8	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥500 150	71.8	91.7	94.2	96.2	98.8	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥400 100	71.8	91.7	94.2	96.2	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥300 100	71.8	91.7	94.2	96.2	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥200	71.8	91.7	94.2	96.2	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
<200	71.8	91.7	94.2	96.2	98.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 0 (STATION) CHICAGO-O'HARE INTL AP IL (STATION NAME) 74-82 (YEARS) JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1700~~

VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥10	10	9	8	7	6	5	4	3	2½	2	1½	1	¾	½	¼	0
22000+	52.2	59.4	61.3	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
20000	52.2	59.4	61.3	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
18000	52.2	60.4	61.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
17000	52.2	60.6	61.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
16000	52.2	60.8	62.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
15000	54.4	62.4	63.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
14000	57.4	66.1	67.6	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
13000	58.6	67.7	69.1	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
12000	61.1	71.9	73.4	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
11000	61.4	72.8	74.4	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
10000	62.6	73.8	75.4	76.8	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
9000	65.7	77.2	79.1	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
8000	67.2	79.1	81.1	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
7000	68.9	81.4	83.7	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
6000	70.9	83.7	86.0	87.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
5000	71.3	85.3	88.0	90.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
4500	72.6	87.7	91.8	93.1	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
4000	73.1	89.1	92.2	94.6	95.8	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
3500	73.1	89.0	92.2	94.6	95.8	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
3000	73.7	89.7	92.9	95.3	96.6	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2500	73.9	89.9	93.1	95.6	96.8	97.0	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
2000	74.2	90.3	93.6	96.1	97.3	97.6	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1800	74.3	90.4	93.7	96.2	97.6	97.8	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
1600	74.3	90.9	94.1	96.7	98.0	98.2	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1400	74.4	91.1	94.3	96.9	98.2	98.4	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1200	74.4	91.3	94.6	97.3	98.7	98.9	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	74.4	91.3	94.6	97.3	98.7	98.9	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	74.4	91.3	94.6	97.4	98.8	99.-	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	74.4	91.3	94.6	97.4	98.8	99.-	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	74.4	91.3	94.6	97.4	98.8	99.0	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	74.4	91.3	94.6	97.4	98.8	99.0	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	74.4	91.3	94.6	97.4	98.8	99.-	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~723 30~~ Station Number CHICAGO-O'HARE IAP IL Station Name 24-83 Years ~~Month~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1800-2000~~

VISIBILITY STATUTE MILES

CEILING FEET	>10	10	9	8	7	6	5	4	3	2½	2	1½	1	⅝	½	0
22000+	4 .7	54.4	56.2	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
	57.4	64.1	66.9	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
15000	57.6	64.8	67.0	68.4	68.9	69.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
	57.4	64.8	67.0	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
10000	57.8	65.2	67.4	68.9	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
	57.8	66.4	68.8	70.2	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
7000	73.3	7 .4	73.8	74.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
	73.3	74.1	74.0	75.7	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
5000	5.7	74.8	77.2	79.1	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
	6[illegible]	76.4	79.0	81.0	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
3000	6[illegible].7	77.2	79.8	81.8	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
	7[illegible].2	8[illegible].2	82.8	84.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2000	[illegible].4	81.8	84.4	86.6	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	[illegible].8	82.4	85.2	87.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
1500	[illegible].9	84.1	87.3	89.1	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
	[illegible].4	85.2	88.8	91.2	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1000	74.2	86.8	9 .6	93.1	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
	74.3	87.1	91.2	93.8	95.2	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
800	74.4	87.4	91.4	94.0	95.4	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	74.6	87.6	91.9	94.6	96.1	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600	74.6	87.8	91.9	94.7	96.2	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	74.6	87.7	92.1	94.8	96.3	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
400	74.7	88.3	92.7	95.4	97.1	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	74.7	88.4	92.8	95.7	97.2	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
300	74.9	89.0	93.4	96.1	97.9	98.0	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	99.7	98.7
	74.9	89.1	93.4	96.4	98.0	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
200	74.9	89.1	93.6	96.9	98.4	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	74.9	89.1	93.6	96.9	98.6	98.7	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	74.9	89.1	93.6	96.9	98.6	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	74.9	89.1	93.6	96.9	98.6	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	74.9	89.1	93.6	96.9	98.6	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	74.9	89.1	93.6	96.9	98.6	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE IAP IL 74-83 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	¾	½	¼	5/16	≥0	
NO CEILING	51.1	59.7	61.1	61.6	61.8	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥20000	51.6	64.4	66.3	67.4	67.7	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥18000	51.6	64.6	66.3	67.4	67.7	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥14000	51.6	64.6	66.3	67.4	67.7	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥12000	51.6	64.6	66.3	67.4	67.7	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥10000	57.6	65.9	67.8	68.9	69.1	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥9000	70.4	69.7	71.7	72.8	73.0	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥8000	72.4	71.9	73.9	75.2	75.4	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥7000	65.1	76.0	78.0	79.4	79.9	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥6000	67.1	77.6	79.7	81.1	81.6	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥5000	68.3	79.1	81.1	82.6	83.1	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥4500	70.7	81.8	84.1	85.4	85.9	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥4000	71.6	83.1	85.3	86.8	87.3	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥3500	71.8	83.3	85.8	87.0	87.6	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥3000	73.1	84.8	87.1	88.7	89.2	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥2500	73.9	86.3	88.6	90.6	91.1	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥2000	74.2	86.9	89.6	91.8	92.3	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥1800	74.4	87.1	90.4	93.0	93.7	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥1600	74.7	88.1	91.0	93.6	94.2	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥1400	75.1	89.0	91.9	94.4	95.1	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥1200	75.1	89.1	92.1	94.7	95.3	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥1000	75.4	89.9	92.9	95.4	96.1	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥900	75.4	90.1	93.2	95.8	96.4	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥800	75.8	90.6	93.7	96.2	96.9	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥700	75.9	90.8	93.9	96.4	97.2	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥600	76.1	91.0	94.1	96.7	97.4	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥500	76.0	91.2	94.4	97.1	97.9	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥400	76.0	91.3	94.6	97.3	98.1	98.7	98.8	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3
≥300	76.0	91.3	94.6	97.3	98.1	98.7	99.0	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6
≥200	76.1	91.3	94.6	97.3	98.1	98.7	99.0	99.3	99.3	99.6	99.6	99.6	99.8	99.8	99.8
≥100	76.1	91.3	94.6	97.3	98.1	98.7	99.0	99.3	99.3	99.6	99.7	99.7	99.9	99.9	99.9
0	76.1	91.3	94.6	97.3	98.1	98.7	99.0	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
22000+	43.1	51.3	53.7	55.3	55.7	55.8	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1
20000	46.3	56.7	60.9	62.8	63.3	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
18000	47.3	56.7	60.9	62.8	63.3	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
16000	46.3	56.8	61.0	62.9	63.4	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
14000	46.5	57.0	61.2	63.2	63.7	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
12000	46.4	60.5	66.8	68.8	65.3	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8
10000	53.6	64.4	66.8	68.9	69.5	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0
9000	55.3	66.5	69.1	71.2	71.8	72.0	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
8000	57.3	70.2	72.8	75.2	75.9	76.1	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5
7000	59.3	71.6	74.3	76.7	77.4	77.6	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
6000	61.1	72.6	75.1	77.9	78.6	78.8	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3
5000	62.2	75.3	78.1	80.7	81.5	81.6	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2
4500	63.3	76.7	79.6	82.3	83.2	83.4	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
4000	63.8	77.5	80.5	83.3	84.2	84.4	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
3500	65.2	79.2	82.4	85.3	86.2	86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
3000	66.1	80.7	84.0	87.0	88.0	88.2	88.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
2500	67.1	82.4	85.9	89.1	90.2	90.3	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1
2000	67.1	83.6	87.2	90.5	91.7	91.9	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
1800	67.2	84.0	87.7	91.1	92.1	92.3	92.8	93.1	93.0	93.1	93.1	93.1	93.2	93.2	93.2
1600	67.5	84.9	88.3	92.1	93.4	93.6	94.1	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5
1400	67.8	85.5	89.3	92.4	94.2	94.4	95.0	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5
1200	68.3	86.2	90.1	93.8	95.2	95.5	96.1	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6
1000	68.3	86.4	90.4	94.2	95.6	95.9	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.1
900	68.4	86.3	90.7	94.5	95.9	96.3	96.9	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.6
800	68.5	86.9	90.9	94.8	96.3	96.6	97.3	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.0
700	68.5	87.1	91.1	95.1	96.6	97.0	97.8	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.6
600	68.5	87.2	91.3	95.4	96.9	97.3	98.1	98.6	98.7	98.9	98.9	98.9	99.0	99.0	99.0
500	68.5	87.2	91.3	95.4	97.0	97.4	98.3	99.0	99.1	99.3	99.3	99.4	99.4	99.5	99.5
400	68.5	87.2	91.3	95.5	97.1	97.4	98.4	99.1	99.2	99.5	99.5	99.6	99.6	99.7	99.7
300	68.5	87.2	91.3	95.5	97.1	97.4	98.4	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.9
200	68.5	87.2	91.3	95.5	97.1	97.4	98.4	99.1	99.2	99.5	99.6	99.7	99.8	99.8	99.9	100.0
0	68.5	87.2	91.3	95.5	97.1	97.4	98.4	99.1	99.2	99.5	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72,330 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOUR (LST))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING	41.1	61.2	64.9	67.7	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 20000	47.8	63.9	68.1	71.2	71.9	72.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	47.8	63.9	68.0	71.2	71.9	72.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	47.8	63.9	68.0	71.2	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	47.1	64.1	68.2	71.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	48.6	66.5	72.5	73.8	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 10000	72.4	74.2	74.8	78.2	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000	74.3	72.4	77.0	80.4	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	76.9	75.5	80.2	83.7	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000	67.2	75.8	8..6	84.1	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 6000	51.1	76.8	81.6	85.1	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 5000	52.2	76.5	81.4	87.1	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4500	53.7	79.9	84.9	88.5	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000	54.1	80.1	85.4	89.0	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3500	77.3	80.9	85.9	89.6	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	80.8	81.8	87.1	91.0	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	81.8	83.5	88.9	92.8	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	81.1	83.8	89.2	93.1	93.9	94.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	72.4	74.2	89.7	93.5	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	92.6	34.9	9..4	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	62.8	85.6	91.2	95.1	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	62.1	35.9	91.5	95.5	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	93.0	86.0	91.6	95.6	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	93.0	86.1	91.8	95.8	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	93.1	96.3	92.3	96.3	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	93.1	86.5	92.4	96.9	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	93.1	86.5	92.5	97.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	93.1	86.5	92.5	97.4	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 300	93.1	86.5	92.5	97.5	98.7	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7
≥ 200	93.1	86.5	92.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0
≥ 100	93.1	86.5	92.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0
0	93.1	86.5	92.5	97.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~3 3 0~~ CHICAGO-O'HARE INTL AP IL ~~STATION NAME~~ 74-83 YEARS ~~MONTH~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0300-0500~~

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	
NO CEILING	38.4	53.7	57.1	62.2	63.9	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	~~42.2~~	~~57.1~~	~~60.8~~	~~66.5~~	~~68.2~~	~~68.4~~	~~68.9~~	~~69.1~~	~~69.1~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~
≥ 18000	42.2	57.0	60.8	66.5	68.2	68.4	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000	~~42.2~~	~~57.0~~	~~60.8~~	~~66.5~~	~~68.2~~	~~68.4~~	~~68.9~~	~~69.1~~	~~69.1~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~
≥ 14000	42.2	57.0	60.8	66.5	68.2	68.4	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2
≥ 12000	~~42.5~~	~~5~.4~~	~~62.2~~	~~67.8~~	~~69.6~~	~~69.8~~	~~70.3~~	~~70.5~~	~~70.5~~	~~70.6~~	~~70.6~~	~~70.6~~	~~70.6~~	~~70.6~~	~~70.6~~
≥ 10000	44.3	61.4	65.8	71.9	73.8	74.1	74.6	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000	~~45.1~~	~~63.4~~	~~68.1~~	~~74.1~~	~~75.9~~	~~76.1~~	~~76.8~~	~~77.0~~	~~77.0~~	~~77.1~~	~~77.1~~	~~77.1~~	~~77.1~~	~~77.1~~	~~77.1~~
≥ 8000	47.7	66.2	71.1	77.4	79.2	79.5	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4
≥ 7000	~~48.0~~	~~67.3~~	~~72.7~~	~~79.1~~	~~81.0~~	~~81.2~~	~~81.8~~	~~82.0~~	~~82.0~~	~~82.2~~	~~82.2~~	~~82.2~~	~~82.2~~	~~82.2~~	~~82.2~~
≥ 6000	50.0	68.8	73.8	80.3	82.2	82.4	83.0	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	~~51.7~~	~~71.2~~	~~76.1~~	~~82.9~~	~~84.7~~	~~84.9~~	~~85.6~~	~~85.8~~	~~85.8~~	~~85.9~~	~~85.9~~	~~85.9~~	~~85.9~~	~~85.9~~	~~85.9~~
≥ 4500	52.1	72.7	77.6	84.4	86.2	86.5	87.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
≥ 4000	~~53.8~~	~~73.1~~	~~78.1~~	~~84.8~~	~~86.7~~	~~86.9~~	~~87.5~~	~~87.7~~	~~87.7~~	~~87.8~~	~~87.8~~	~~87.8~~	~~87.8~~	~~87.8~~	~~87.8~~
≥ 3500	53.3	74.0	78.9	85.8	87.6	87.8	88.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	~~54.2~~	~~74.7~~	~~79.7~~	~~86.6~~	~~88.4~~	~~88.6~~	~~89.2~~	~~89.5~~	~~89.5~~	~~89.6~~	~~89.6~~	~~89.6~~	~~89.6~~	~~89.6~~	~~89.6~~
≥ 2500	54.7	75.8	80.9	87.7	89.6	89.8	90.4	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	~~55.4~~	~~76.7~~	~~81.8~~	~~89.1~~	~~90.9~~	~~91.1~~	~~91.7~~	~~91.9~~	~~91.9~~	~~92.0~~	~~92.0~~	~~92.0~~	~~92.0~~	~~92.0~~	~~92.0~~
≥ 1800	55.5	76.8	81.9	89.1	91.1	91.2	91.8	92.1	92.0	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1600	~~55.1~~	~~78.2~~	~~83.5~~	~~90.8~~	~~92.6~~	~~92.8~~	~~93.4~~	~~93.7~~	~~93.7~~	~~93.8~~	~~93.8~~	~~93.8~~	~~93.8~~	~~93.8~~	~~93.8~~
≥ 1400	56.6	79.0	84.4	91.8	93.7	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	~~56.1~~	~~79.8~~	~~85.2~~	~~92.7~~	~~94.5~~	~~94.7~~	~~95.4~~	~~95.6~~	~~95.6~~	~~95.7~~	~~95.7~~	~~95.7~~	~~95.7~~	~~95.7~~	~~95.7~~
≥ 1000	56.1	8..0	85.4	92.9	94.7	94.9	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	~~57.0~~	~~80.3~~	~~85.8~~	~~93.4~~	~~95.3~~	~~95.5~~	~~96.1~~	~~96.3~~	~~96.3~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~
≥ 800	57.0	80.4	86.2	94.0	95.9	96.1	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	~~57.0~~	~~80.5~~	~~86.3~~	~~94.3~~	~~96.2~~	~~96.5~~	~~97.1~~	~~97.3~~	~~97.3~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~
≥ 600	57.7	80.5	86.3	94.6	96.7	96.9	97.8	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3
≥ 500	~~57.0~~	~~80.5~~	~~86.5~~	~~95.1~~	~~97.2~~	~~97.4~~	~~98.4~~	~~98.8~~	~~98.8~~	~~98.9~~	~~98.9~~	~~98.9~~	~~99.0~~	~~99.0~~	~~99.0~~
≥ 400	57.0	80.6	86.6	95.2	97.3	97.5	98.8	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6
≥ 300	~~57.0~~	~~80.6~~	~~86.6~~	~~95.2~~	~~97.3~~	~~97.5~~	~~98.8~~	~~99.2~~	~~99.2~~	~~99.4~~	~~99.5~~	~~99.5~~	~~99.7~~	~~99.7~~	~~99.7~~
≥ 200	57.1	80.6	86.6	95.2	97.3	97.5	98.8	99.2	99.2	99.4	99.5	99.5	99.7	99.7	99.7
≥ 100	~~57.1~~	~~80.6~~	~~86.6~~	~~95.2~~	~~97.3~~	~~97.5~~	~~98.8~~	~~99.2~~	~~99.2~~	~~99.4~~	~~99.5~~	~~99.5~~	~~99.7~~	~~99.7~~	~~99.7~~
0	57.1	80.6	86.6	95.2	97.3	97.5	98.8	99.2	99.2	99.4	99.5	99.5	99.7	99.7	99.7

															100.0
															~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L ...AL CLIMATOLOGY ...RANCH
...ETAC
A... FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3...0 CHICAGO-O'HA... IAP IL 74-83 JUL
STATION NUMBER STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0800
HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
...000	3...3	4...1	51.8	56.6	59.7	59.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2000	3...9	51.6	56.2	61.3	63.9	64.1	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
1800	3...9	51.6	56.2	61.3	63.9	64.1	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
1600	3...9	51.6	56.2	61.3	63.9	64.1	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
1400	3...7	51.8	56.5	61.5	64.2	64.4	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
1200	3...2	53.4	58.2	63.3	66.3	66.6	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
1000	41.7	58.1	63.1	68.7	72.4	72.6	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
900	43.2	5...7	65.1	71.0	74.7	74.9	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
800	4...1	62.8	68.0	74.0	78.0	78.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
700	4...4	62.9	68.3	74.3	78.3	78.5	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
600	4...6	63.4	68.8	74.9	78.9	79.1	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
500	4...1	65.2	70.6	77.2	81.3	81.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
450	4...6	66.3	71.8	78.6	82.7	83....	85.5	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
400	4...7	66.5	71.9	78.7	82.9	83.2	85.9	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
350	4...4	67.4	72.9	79.7	83.9	84.2	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
300	4...6	67.6	73.2	80.1	84.3	84.6	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
250	4...3	68.3	74.1	81.2	85.6	85.9	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
200	4...6	68.6	74.5	81.6	86....	86.3	89.2	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
150	4...7	68.7	74.6	81.8	86.3	86.7	89.6	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
100	4...5	70.4	76.7	84.1	88.6	88.9	91.9	92.5	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7
050	...1	71.7	78.1	85.5	90.1	90.4	93.7	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
000	...4	72.5	78.7	86.5	91.2	91.5	94.8	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
900	0.4	72.8	79.1	87.1	91.7	92.0	95.4	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2
800	0.5	73.0	79.5	87.3	92.0	92.6	95.9	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.9	96.9
700	0.5	73.1	79.6	87.6	92.6	93.1	96.6	97.2	97.2	97.4	97.4	97.4	97.5	97.5	97.6	97.6
600	...5	73.2	80.1	88.5	93.5	94.1	97.7	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.8	98.8
500	5...9	73.2	80.1	88.6	93.8	94.3	98.1	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.2
400	...5	73.2	80.1	88.7	93.9	94.4	98.3	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.5	99.5
300	0.5	73.2	80.1	88.7	93.9	94.4	98.3	99.0	99.0	99.4	99.6	99.6	99.7	99.7	99.8	99.8
200	...5	73.2	80.1	88.7	93.9	94.4	98.3	99.0	99.0	99.5	99.7	99.7	99.8	99.8	100.0	100.0
100	...5	73.2	80.1	88.7	93.9	94.4	98.3	99.0	99.0	99.5	99.7	99.7	99.9	99.9	100.0	100.0
0	...5	73.2	80.1	88.7	93.9	94.4	98.3	99.0	99.0	99.5	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~72 3 0~~ STATION NO. CHICAGO-O'HARE INTAP IL STATION NAME 74-83 YEARS ~~ALL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0000-2300~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	<¼
NO CEILING	61.9	65.1	57.8	59.8	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	~~67.1~~	~~68.6~~	~~63.8~~	~~65.7~~	~~66.9~~	~~67.1~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~
12000-18000	67.1	68.6	63.8	65.7	66.9	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
6500-11000	~~67.1~~	~~70.6~~	~~63.8~~	~~65.7~~	~~66.9~~	~~67.0~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~	~~67.4~~
4000-5000	67.5	61.1	64.2	66.1	67.4	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2500-3500	~~67.6~~	~~62.8~~	~~66.1~~	~~68.4~~	~~69.9~~	~~70.0~~	~~70.4~~	~~70.5~~	~~70.5~~	~~70.5~~	~~70.5~~	~~70.5~~	~~70.5~~	~~70.5~~	~~70.5~~
1700-2400	69.1	66.7	70.0	72.6	74.1	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
1200-1600	~~69.1~~	~~67.5~~	~~71.1~~	~~73.7~~	~~75.2~~	~~75.3~~	~~75.8~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~
900-1100	70.1	9.7	73.3	76.0	77.6	77.7	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
700-800	~~71.5~~	~~7..4~~	~~74.5~~	~~77.2~~	~~78.8~~	~~78.9~~	~~79.5~~	~~79.7~~	~~79.7~~	~~79.7~~	~~79.7~~	~~79.7~~	~~79.7~~	~~79.7~~	~~79.7~~
600-650	71.1	71.1	74.9	77.6	79.2	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
500	~~72.4~~	~~72.9~~	~~76.8~~	~~79.5~~	~~81.2~~	~~81.3~~	~~82.2~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~
400-450	73.2	73.4	77.4	80.1	81.8	81.9	82.9	83.1	83.0	83.0	83.0	83.0	83.0	83.0	83.0
300	~~73.4~~	~~74.2~~	~~78.1~~	~~81.1~~	~~82.8~~	~~82.9~~	~~83.8~~	~~84.0~~	~~84.0~~	~~84.0~~	~~84.0~~	~~84.0~~	~~84.0~~	~~84.0~~	~~84.0~~
200-250	5.1	76.1	80.1	82.9	84.7	84.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
150	~~75.1~~	~~77.1~~	~~81.1~~	~~84.1~~	~~86.1~~	~~86.3~~	~~87.4~~	~~87.6~~	~~87.6~~	~~87.6~~	~~87.6~~	~~87.6~~	~~87.6~~	~~87.6~~	~~87.6~~
100-125	5.7	78.6	82.8	85.8	87.8	88.1	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
75-80	~~75.8~~	~~80.4~~	~~84.6~~	~~87.7~~	~~89.9~~	~~90.1~~	~~91.4~~	~~91.7~~	~~91.7~~	~~91.7~~	~~91.7~~	~~91.7~~	~~91.7~~	~~91.7~~	~~91.7~~
50	7..2	81.1	85.3	88.4	90.5	90.8	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
30-40	~~76.9~~	~~82.5~~	~~87.2~~	~~90.4~~	~~92.6~~	~~92.8~~	~~94.3~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~
20	7..8	84.5	89.2	92.5	94.6	94.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
10	~~80.1~~	~~85.2~~	~~90.2~~	~~93.4~~	~~95.6~~	~~95.8~~	~~97.3~~	~~97.7~~	~~97.7~~	~~97.7~~	~~97.7~~	~~97.7~~	~~97.7~~	~~97.7~~	~~97.7~~
0	80.1	85.4	90.4	93.8	95.9	96.1	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	~~80.2~~	~~85.6~~	~~90.8~~	~~94.1~~	~~96.3~~	~~96.7~~	~~98.2~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~
	80.2	85.6	90.9	94.2	96.6	96.9	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
	~~80.2~~	~~85.7~~	~~91.1~~	~~94.4~~	~~96.8~~	~~97.2~~	~~98.7~~	~~99.5~~	~~99.5~~	~~99.5~~	~~99.5~~	~~99.5~~	~~99.6~~	~~99.6~~	~~99.6~~
	80.2	85.7	91.1	94.4	96.8	97.4	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
	~~80.2~~	~~85.7~~	~~91.1~~	~~94.4~~	~~96.8~~	~~97.4~~	~~99.0~~	~~99.8~~	~~99.8~~	~~99.9~~	~~99.9~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~
	80.2	85.7	91.1	94.4	96.8	97.4	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
	~~80.2~~	~~85.7~~	~~91.1~~	~~94.4~~	~~96.8~~	~~97.4~~	~~99.0~~	~~99.8~~	~~99.8~~	~~99.9~~	~~99.9~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~
	80.2	85.7	91.1	94.4	96.8	97.4	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
	~~80.2~~	~~85.7~~	~~91.1~~	~~94.4~~	~~96.8~~	~~97.4~~	~~99.0~~	~~99.8~~	~~99.8~~	~~99.9~~	~~99.9~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3.0 CHICAGO-O'HARE IAP IL 74-83 ~~JUNE~~
STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1400~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
...000	57.2	54.1	55.7	56.6	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
20000	61.7	61.2	63.2	64.2	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
15000	61.7	61.2	63.2	64.2	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
10000	61.7	61.2	63.2	64.2	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
9000	61.5	61.9	64.0	64.9	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
8000	62.4	63.1	65.3	66.6	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
7000	62.2	66.2	68.4	70.2	70.6	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5
6000	63.1	67.7	69.9	71.7	72.2	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
5000	63.1	69.1	71.3	73.1	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
4500	64.1	69.4	71.5	73.3	74.1	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
4000	64.3	70.1	72.3	74.1	74.8	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
3500	65.1	71.9	74.2	76.1	76.9	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
3000	67.0	73.7	75.9	77.8	78.6	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5
2500	70.1	76.0	78.5	80.6	81.4	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
2000	81.4	79.5	81.9	84.4	85.7	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6
1500	83.2	81.5	84.2	87.2	88.5	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4
1000	85.2	84.6	87.5	91.8	92.2	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
900	86.3	86.7	89.6	93.2	94.6	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
800	86.5	87.1	90.0	93.7	95.1	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
700	86.6	88.3	91.3	94.9	96.3	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
600	86.7	88.9	92.2	95.9	97.3	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
500	86.9	89.1	92.4	96.2	97.7	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
400	86.9	89.1	92.4	96.2	97.8	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
300	86.8	89.1	92.4	96.5	98.1	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
200	86.9	89.1	92.4	96.5	98.1	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
100	86.8	89.1	92.4	96.5	98.1	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
50	86.8	89.1	92.4	96.5	98.1	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
0	86.9	89.1	92.4	96.5	98.1	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9
300	86.8	89.1	92.4	96.5	98.1	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
200	86.9	89.1	92.4	96.5	98.1	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
100	86.8	89.1	92.4	96.5	98.1	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0	86.9	89.1	92.4	96.5	98.1	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~JAN TO DEC~~ CHICAGO-O'HARE INTL AP IL ~~STATION NAME~~ ~~1964-83~~ ~~YEARS~~ ~~HOUR~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1500-1700~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
~~UNLIM~~	47.3	56.1	58.4	59.6	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
~~UNLIM~~	62.6	64.4	67.2	68.5	68.6	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
~~20000~~	62.6	64.7	67.3	68.6	68.7	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
~~20000~~	62.6	64.7	67.3	68.6	68.7	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
~~18000~~	57.1	65.1	67.6	68.9	69.0	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
~~18000~~	58.2	66.9	69.5	71.8	72.9	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
~~16000~~	55.1	68.9	72.1	73.9	74.7	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
~~16000~~	57.1	70.2	73.3	75.3	75.5	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
~~14000~~	59.2	72.5	75.7	77.6	77.9	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
~~14000~~	59.1	72.8	76.1	78.0	78.5	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
~~12000~~	59.8	73.7	76.9	78.8	79.4	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
~~12000~~	61.5	77.1	80.3	82.4	83.1	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
~~10000~~	73.0	78.9	82.3	84.7	85.5	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
~~10000~~	83.1	90.1	93.5	96.0	96.9	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
~~9000~~	86.1	92.4	96.1	98.7	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~9000~~	87.5	94.4	98.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~8000~~	87.1	96.6	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~8000~~	90.0	98.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~7000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~7000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~6000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~6000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~5000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~5000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~4500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~4500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~4000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~4000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~3500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~3500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~3000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~3000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~2500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~2500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~2000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~2000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1800~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1800~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1600~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1600~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1400~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1400~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1200~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1200~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~1000~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~900~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~900~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~800~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~800~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~700~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~700~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~600~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~600~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~500~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~400~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~400~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~300~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~300~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~200~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~200~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~100~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
~~100~~	91.2	98.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

~~TOTAL NUMBER OF OBSERVATIONS~~ ~~4,50~~

USAF ETAC ~~FORM~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-MIDWAY TAP IL — 76-83 YEARS — ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOUR

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES															
	10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
22000	64.9	65.3	62.4	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
20000	65.2	67.8	71.7	73.3	73.3	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
18000	65.3	68.0	71.8	73.4	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
16000	65.3	68.0	71.8	73.4	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
14000	65.3	68.1	71.8	73.4	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
12000	56.1	71.2	74.2	75.8	75.8	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
11000	57.0	72.9	77.1	79.1	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10000	58.9	74.5	78.6	81.1	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
9000	61.5	77.2	81.5	83.9	84.1	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
8000	61.1	77.8	82.2	84.9	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
7000	62.4	78.4	82.7	85.5	85.8	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
6000	63.5	79.9	84.2	87.2	87.6	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
5000	64.8	81.4	85.8	89.1	89.6	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
4500	64.1	81.8	86.1	89.5	89.9	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
4000	66.1	83.3	88.1	91.4	91.8	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
3500	66.1	84.7	89.5	93.1	93.8	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
3000	67.6	85.9	91.0	94.7	95.5	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
2500	68.1	86.5	91.5	95.5	96.5	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2200	68.3	86.7	91.7	95.7	96.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2000	68.4	86.9	91.9	95.9	97.1	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1800	68.5	87.2	92.3	96.3	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1600	68.5	87.3	92.4	96.5	97.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1400	68.5	87.4	92.5	96.7	98.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1200	68.5	87.4	92.5	96.9	98.2	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1000	68.5	87.6	92.7	97.2	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
900	68.5	87.7	92.8	97.3	98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	68.5	87.7	92.8	97.3	98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	68.5	87.7	92.8	97.3	98.6	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	68.5	87.7	92.8	97.3	98.6	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	68.5	87.7	92.8	97.3	98.6	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	68.5	87.7	92.8	97.3	98.6	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	68.5	87.7	92.8	97.3	98.6	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	68.5	87.7	92.8	97.3	98.6	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	68.5	87.7	92.8	97.3	98.6	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~0000-2300~~ CHICAGO-O'HARE INTERNATIONAL AP, IL 74-83 ~~ANNUAL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0100-2300~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	<¼
~~NO CEILING~~	~~47.6~~	~~54.1~~	~~66.6~~	~~69.2~~	~~69.4~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~	~~69.5~~
20000	~~52.1~~	~~68.9~~	~~71.6~~	~~74.7~~	~~74.8~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~
18000	52.1	68.9	71.6	74.7	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
16000	~~52.1~~	~~68.9~~	~~71.6~~	~~74.7~~	~~74.8~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.2~~
14000	52.1	68.9	71.6	74.7	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
12000	~~73.5~~	~~78.3~~	~~73.4~~	~~76.6~~	~~76.7~~	~~77.1~~	~~77.0~~	~~77.0~~	~~77.0~~	~~77.0~~	~~77.0~~	~~77.0~~	~~77.0~~	~~77.0~~	~~77.0~~	~~77.0~~
10000	75.4	72.9	76.5	79.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
9000	~~76.5~~	~~74.8~~	~~78.4~~	~~81.8~~	~~82.0~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~	~~82.4~~
8000	77.1	77.7	81.6	85.2	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
7000	~~78.1~~	~~76.1~~	~~81.4~~	~~85.6~~	~~85.8~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~	~~86.1~~
6000	87.1	79.2	83.1	86.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
5000	~~89.5~~	~~81.9~~	~~86.0~~	~~90.0~~	~~90.2~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~	~~90.5~~
4500	91.1	83.1	87.3	91.5	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
4000	~~91.3~~	~~83.1~~	~~87.3~~	~~91.5~~	~~91.8~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~
3500	91.1	84.1	88.9	92.8	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
3000	~~92.5~~	~~85.1~~	~~89.7~~	~~94.1~~	~~94.4~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~	~~94.7~~
2500	92.7	85.8	90.3	94.7	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2200	~~92.7~~	~~86.0~~	~~90.4~~	~~95.1~~	~~95.5~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~	~~95.8~~
2000	93.1	86.7	91.3	95.7	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1800	~~93.4~~	~~87.5~~	~~92.2~~	~~96.6~~	~~97.1~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~	~~97.4~~
1700	93.5	87.8	92.6	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1600	~~93.5~~	~~87.8~~	~~92.6~~	~~97.0~~	~~97.5~~	~~97.8~~	~~98.3~~	~~98.3~~	~~98.0~~	~~98.0~~	~~98.3~~	~~98.0~~	~~98.0~~	~~98.0~~	~~98.0~~	~~98.0~~
1500	93.5	88.1	93.0	97.6	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1400	~~93.5~~	~~88.3~~	~~93.1~~	~~97.6~~	~~98.2~~	~~98.6~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~
1300	93.5	88.3	93.1	98.1	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1200	~~93.5~~	~~88.3~~	~~93.0~~	~~98.3~~	~~98.8~~	~~99.2~~	~~99.4~~	~~99.4~~	~~99.4~~	~~99.4~~	~~99.4~~	~~99.4~~	~~99.4~~	~~99.4~~	~~99.4~~	~~99.4~~
1100	93.5	88.3	93.0	98.3	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
900	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
800	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
700	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
600	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
500	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
400	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
300	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
200	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
100	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
0	~~93.5~~	~~88.4~~	~~93.2~~	~~98.7~~	~~99.4~~	~~99.8~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC ~~JUN 64~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13743 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) ANN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	47.1	56.4	59.3	61.9	62.7	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	47.1	62.1	65.3	68.2	69.0	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 15000	47.1	62.1	65.3	68.2	69.0	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 10000	47.1	62.1	65.3	68.2	69.0	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 9000	47.1	62.2	65.6	68.4	69.3	69.6	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 8000	47.1	62.2	65.6	68.4	69.3	69.6	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 7000	48.1	64.1	67.4	70.4	71.3	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 6000	51.2	67.2	71.1	74.3	75.4	75.7	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	52.4	68.8	72.7	76.1	77.2	77.5	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2
≥ 4500	54.0	71.3	75.3	78.9	81.0	80.3	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	54.4	71.9	76.0	79.6	80.8	81.1	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	55.1	72.7	76.8	80.4	81.7	82.0	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	55.4	74.8	79.1	82.8	84.1	84.4	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	57.3	76.2	80.4	84.4	85.7	86.0	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 2000	57.8	76.9	81.1	85.2	86.5	86.9	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1800	58.0	78.4	82.8	86.9	88.3	88.7	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1500	58.8	79.6	84.1	88.4	89.9	90.3	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
≥ 1200	61.8	81.1	85.8	90.2	91.8	92.1	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	61.4	82.1	86.7	91.3	93.0	93.3	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 900	61.6	82.4	87.1	91.7	93.4	93.7	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	61.7	83.5	88.3	92.9	94.6	95.0	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
≥ 700	62.1	84.3	89.1	93.8	95.6	95.9	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	62.4	84.6	89.5	94.3	96.1	96.4	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 500	62.4	84.8	89.7	94.6	96.4	96.7	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 450	62.5	84.9	89.9	94.8	96.7	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	62.5	85.0	90.1	95.1	97.0	97.4	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 350	62.5	85.1	90.2	95.4	97.3	97.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	62.5	85.1	90.2	95.5	97.4	97.9	98.9	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 250	62.5	85.1	90.3	95.6	97.6	98.1	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
≥ 200	62.5	85.1	90.3	95.7	97.6	98.1	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9
≥ 150	62.5	85.1	90.3	95.7	97.6	98.1	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0
≥ 100	62.5	85.1	90.3	95.7	97.6	98.1	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0
≥ 0	62.5	85.1	90.3	95.7	97.6	98.1	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~3-3-0~~ CHICAGO-O'HARE INTL AP, IL ~~STATION NAME~~ 24-83 ~~YEARS~~ ~~AWS~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0000-0200~~

CEILING FEET	VISIBILITY STATUTE MILES														
	>10	10	5	4	3	2½	2	1½	1¼	1	¾	½	⅜	¼	0
	59.2	63.2	66.5	59.2	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
	~~62.4~~	~~67.1~~	~~69.9~~	~~64.2~~	~~64.6~~	~~64.7~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~
	62.4	67.1	69.9	64.2	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
	~~62.4~~	~~67.1~~	~~69.9~~	~~64.2~~	~~64.6~~	~~64.7~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~	~~64.8~~
	62.4	67.2	69.9	64.6	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
	~~63.5~~	~~68.1~~	~~70.9~~	~~66.5~~	~~66.9~~	~~67.0~~	~~67.1~~	~~67.1~~	~~67.1~~	~~67.1~~	~~67.1~~	~~67.1~~	~~67.1~~	~~67.1~~	~~67.1~~
	64.6	69.7	72.5	68.2	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
	~~64.1~~	~~69.2~~	~~72.0~~	~~67.4~~	~~71.5~~	~~72.3~~	~~72.4~~	~~72.4~~	~~72.4~~	~~72.4~~	~~72.4~~	~~72.4~~	~~72.4~~	~~72.4~~	~~72.4~~
	66.4	71.1	75.6	76.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
	~~66.9~~	~~72.1~~	~~76.6~~	~~76.2~~	~~76.8~~	~~77.1~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~
	68.2	73.8	78.4	78.4	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	~~71.1~~	~~76.3~~	~~81.3~~	~~81.4~~	~~82.2~~	~~82.3~~	~~82.3~~	~~82.3~~	~~82.3~~	~~82.3~~	~~82.3~~	~~82.3~~	~~82.3~~	~~82.3~~	~~82.3~~
	72.1	78.7	83.5	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	~~73.1~~	~~79.0~~	~~84.0~~	~~84.5~~	~~84.8~~	~~84.9~~	~~84.9~~	~~84.9~~	~~84.9~~	~~84.9~~	~~84.9~~	~~84.9~~	~~84.9~~	~~84.9~~	~~84.9~~
	74.4	80.6	85.8	86.5	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
	~~75.8~~	~~81.6~~	~~86.9~~	~~87.6~~	~~88.0~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~
	77.1	83.7	89.3	89.7	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
	~~78.5~~	~~84.7~~	~~90.5~~	~~91.3~~	~~91.7~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~
	78.9	84.8	90.6	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
	~~79.1~~	~~85.4~~	~~91.5~~	~~92.3~~	~~92.7~~	~~92.8~~	~~92.8~~	~~92.8~~	~~92.8~~	~~92.8~~	~~92.8~~	~~92.8~~	~~92.8~~	~~92.8~~	~~92.8~~
	79.9	86.3	92.9	93.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
	~~80.5~~	~~87.1~~	~~93.9~~	~~94.8~~	~~95.2~~	~~95.3~~	~~95.3~~	~~95.3~~	~~95.3~~	~~95.3~~	~~95.3~~	~~95.3~~	~~95.3~~	~~95.3~~	~~95.3~~
	80.8	87.4	94.2	94.9	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
	~~81.1~~	~~88.2~~	~~95.1~~	~~95.8~~	~~96.2~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~	~~96.5~~
	81.2	88.3	95.3	96.0	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	~~81.5~~	~~88.7~~	~~96.0~~	~~97.1~~	~~97.8~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~
	81.7	88.9	96.3	97.7	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	~~81.7~~	~~88.9~~	~~96.7~~	~~98.1~~	~~98.8~~	~~99.1~~	~~99.1~~	~~99.1~~	~~99.1~~	~~99.1~~	~~99.1~~	~~99.1~~	~~99.1~~	~~99.1~~	~~99.1~~
	81.7	88.9	96.8	98.2	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	~~81.7~~	~~88.9~~	~~96.9~~	~~98.3~~	~~99.0~~	~~99.5~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~
	81.7	88.9	96.9	98.3	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
	~~81.7~~	~~88.9~~	~~96.9~~	~~98.3~~	~~99.1~~	~~99.5~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~910~~

USAF ETAC ~~FORM~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL[illegible]AL CLIMATOLOGY BRANCH
[illegible]SAFETAC
A[illegible] [illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]3.0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS (L.S.T.))

VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥5/16	≥¼	≥0
[illegible]	[illegible]	[illegible]	52.9	57.4	[illegible]	59.2	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6
[illegible]	[illegible]	[illegible]	55.3	60.5	62.2	62.4	63.5	63.5	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8
[illegible]	[illegible]	50.4	55.3	60.5	62.2	62.4	63.5	63.5	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8
[illegible]	[illegible]	50.4	55.3	60.5	62.2	62.4	63.5	63.5	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8
[illegible]	[illegible]	[illegible]	55.6	61.0	62.6	62.8	64.0	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2
[illegible]	37.7	52.4	57.6	63.2	64.9	65.2	66.3	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.6
[illegible]	[illegible]	54.2	[illegible]	66.3	68.2	68.4	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8
[illegible]	[illegible]	55.3	61.2	67.6	69.5	69.7	70.9	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1
[illegible]	41.4	[illegible]	64.9	71.6	73.5	73.8	74.9	74.9	74.9	75.3	75.3	75.3	75.5	75.5	75.5	75.5
[illegible]	[illegible]	59.5	[illegible]	72.3	74.2	74.4	75.6	75.6	75.6	75.9	75.9	75.9	76.1	76.1	76.1	76.1
[illegible]	[illegible]	61.2	67.3	74.1	76.0	76.2	77.4	77.4	77.4	77.7	77.7	77.7	78.0	78.0	78.0	78.0
[illegible]	44.1	63.3	69.5	76.3	78.3	78.5	79.7	79.7	79.7	80.0	80.0	80.0	80.2	80.2	80.2	80.2
[illegible]	[illegible]	64.4	71.1	78.2	80.1	80.3	81.5	81.5	81.5	81.8	81.8	81.8	82.0	82.0	82.0	82.0
[illegible]	[illegible]	55.1	71.5	73.7	80.6	80.9	82.0	82.0	[illegible]	82.4	82.4	82.4	82.6	82.6	82.6	82.6
[illegible]	[illegible]	66.0	72.5	79.8	81.7	81.9	83.1	83.1	83.1	83.4	83.4	83.4	83.7	83.7	83.7	83.7
[illegible]	46.1	66.9	73.5	81.1	83.0	83.2	84.4	84.4	84.4	84.7	84.7	84.7	84.9	84.9	84.9	84.9
[illegible]	[illegible]	69.5	76.5	84.1	86.0	86.2	87.4	87.4	87.4	87.7	87.7	87.7	88.0	88.0	88.0	88.0
[illegible]	[illegible]	70.1	77.3	85.3	87.2	87.4	88.6	88.6	88.6	88.9	88.9	88.9	89.1	89.1	89.1	89.1
[illegible]	[illegible]	70.3	77.5	85.7	87.6	87.8	89.0	89.0	89.0	89.4	89.4	89.4	89.6	89.6	89.6	89.6
[illegible]	[illegible]	71.5	[illegible]	87.2	89.1	89.4	90.8	90.8	90.8	91.1	91.1	91.1	91.4	91.4	91.4	91.4
[illegible]	[illegible]	71.9	79.2	88.1	89.9	90.1	91.6	91.6	91.6	91.9	91.9	91.9	92.3	92.3	92.3	92.3
[illegible]	[illegible]	72.7	[illegible]	89.2	91.2	91.5	93.0	93.1	93.1	93.4	93.4	93.4	93.8	93.8	93.8	93.8
[illegible]	[illegible]	73.1	[illegible]	89.8	91.7	92.0	93.5	93.7	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3
[illegible]	[illegible]	73.4	81.1	90.5	92.8	93.1	94.6	94.7	94.7	95.1	95.1	95.1	95.4	95.4	95.4	95.4
[illegible]	[illegible]	[illegible]	81.7	91.3	93.5	94.0	95.5	95.6	95.6	95.9	95.9	95.9	96.2	96.2	96.2	96.2
[illegible]	[illegible]	74.1	82.5	92.2	95.1	95.7	97.2	97.4	97.4	97.7	97.7	97.7	98.1	98.1	98.1	98.1
[illegible]	[illegible]	74.1	82.5	92.3	95.2	95.8	97.4	97.8	97.8	98.2	98.2	98.2	98.6	98.6	98.6	98.6
[illegible]	[illegible]	74.2	82.6	92.4	95.3	95.9	97.5	98.3	98.3	98.6	98.6	98.6	99.0	99.0	99.0	99.0
[illegible]	[illegible]	74.2	82.6	92.4	95.3	95.9	97.6	98.4	98.4	98.7	98.7	98.7	99.1	99.1	99.2	99.2
[illegible]	[illegible]	74.2	82.6	92.4	95.3	95.9	97.6	98.4	98.4	99.0	99.0	99.0	99.5	99.5	99.6	99.8
[illegible]	[illegible]	74.2	82.6	92.4	95.3	95.9	97.6	98.4	98.4	99.0	99.1	99.1	99.6	99.6	99.7	99.9
[illegible]	[illegible]	74.2	82.6	92.4	95.3	95.9	97.6	98.4	98.4	99.0	99.1	99.1	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

L[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'Hare, IAP, IL 74-83 ~~ANC~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0600-0800~~

VISIBILITY (STATUTE MILES)

CEILING (HUNDREDS OF FEET)	≥10	10	5	4	3	2½	2	1½	1¼	1	¾	½	≤¼	ALL
~~≥22~~	38.1	38.6	42.7	46.1	48.7	49.8	51.3	51.7	51.7	52.0	52.0	52.0	52.2	52.2	52.3	52.3
~~22~~	~~44.4~~	~~44.5~~	~~48.4~~	~~54.5~~	~~57.5~~	~~58.7~~	~~60.5~~	~~61.2~~	~~61.2~~	~~61.5~~	~~61.5~~	~~61.5~~	~~61.6~~	~~61.6~~	~~61.7~~	~~61.7~~
22	44.4	44.5	48.4	54.5	57.5	58.7	60.5	61.2	61.2	61.5	61.5	61.5	61.6	61.6	61.7	61.7
~~20~~	~~44.4~~	~~44.5~~	~~48.4~~	~~54.5~~	~~57.5~~	~~58.7~~	~~60.5~~	~~61.2~~	~~61.2~~	~~61.5~~	~~61.5~~	~~61.5~~	~~61.6~~	~~61.6~~	~~61.7~~	~~61.7~~
18	44.9	44.9	49.8	56.2	58.2	59.4	61.3	61.9	61.9	62.3	62.3	62.3	62.4	62.4	62.5	62.5
~~16~~	~~46.4~~	~~46.4~~	~~51.6~~	~~57.2~~	~~60.2~~	~~61.4~~	~~63.1~~	~~64.1~~	~~64.1~~	~~64.4~~	~~64.4~~	~~64.4~~	~~64.5~~	~~64.5~~	~~64.6~~	~~64.6~~
14	52.3	54.9	59.5	64.1	66.1	67.4	69.4	70.1	70.1	70.7	70.8	70.8	70.9	70.9	71.0	71.0
~~12~~	~~53.4~~	~~56.4~~	~~61.1~~	~~67.0~~	~~70.0~~	~~71.5~~	~~73.8~~	~~74.5~~	~~74.5~~	~~75.2~~	~~75.2~~	~~75.2~~	~~75.3~~	~~75.3~~	~~75.4~~	~~75.4~~
10	54.4	59.6	65.7	70.9	73.9	75.2	77.1	77.8	77.8	78.5	78.5	78.5	78.6	78.6	78.7	78.7
~~9~~	~~54.7~~	~~59.8~~	~~66.5~~	~~71.5~~	~~74.9~~	~~76.2~~	~~78.1~~	~~78.8~~	~~78.8~~	~~79.5~~	~~79.5~~	~~79.5~~	~~79.6~~	~~79.6~~	~~79.7~~	~~79.7~~
8	55.1	60.3	67.1	72.3	75.7	77.0	78.9	79.6	79.6	80.3	80.3	80.3	80.4	80.4	80.5	80.5
~~7~~	~~55.2~~	~~60.4~~	~~67.2~~	~~72.5~~	~~75.9~~	~~77.2~~	~~79.1~~	~~79.8~~	~~79.8~~	~~80.5~~	~~80.5~~	~~80.5~~	~~80.6~~	~~80.6~~	~~80.7~~	~~80.7~~
6	55.3	60.5	67.3	72.6	76.0	77.3	79.2	79.9	79.9	80.6	80.6	80.6	80.7	80.7	80.8	80.8
~~5~~	~~55.3~~	~~60.5~~	~~67.3~~	~~72.6~~	~~76.0~~	~~77.3~~	~~79.2~~	~~79.9~~	~~79.9~~	~~80.6~~	~~80.6~~	~~80.6~~	~~80.7~~	~~80.7~~	~~80.8~~	~~80.8~~
4½	55.3	60.5	67.3	72.6	76.0	77.3	79.2	79.9	79.9	80.6	80.6	80.6	80.7	80.7	80.8	80.8
~~4~~	~~55.3~~	~~60.5~~	~~67.3~~	~~72.6~~	~~76.0~~	~~77.3~~	~~79.2~~	~~79.9~~	~~79.9~~	~~80.6~~	~~80.6~~	~~80.6~~	~~80.7~~	~~80.7~~	~~80.8~~	~~80.8~~
3½	55.3	60.5	67.3	72.6	76.0	77.3	79.2	79.9	79.9	80.6	80.6	80.6	80.7	80.7	80.8	80.8
~~3~~	~~55.3~~	~~60.5~~	~~67.3~~	~~72.6~~	~~76.0~~	~~77.3~~	~~79.2~~	~~79.9~~	~~79.9~~	~~80.6~~	~~80.6~~	~~80.6~~	~~80.7~~	~~80.7~~	~~80.8~~	~~80.8~~
2½	55.3	60.5	67.3	72.6	76.0	77.3	79.2	79.9	79.9	80.6	80.6	80.6	80.7	80.7	80.8	80.8
~~2~~	~~55.3~~	~~60.5~~	~~67.3~~	~~72.6~~	~~76.0~~	~~77.3~~	~~79.2~~	~~79.9~~	~~79.9~~	~~80.6~~	~~80.6~~	~~80.6~~	~~80.7~~	~~80.7~~	~~80.8~~	~~80.8~~
1½	55.3	60.5	67.3	72.6	76.0	77.3	79.2	79.9	79.9	80.6	80.6	80.6	80.7	80.7	80.8	80.8
~~1~~	~~55.3~~	~~60.5~~	~~67.3~~	~~72.6~~	~~76.0~~	~~77.3~~	~~79.2~~	~~79.9~~	~~79.9~~	~~80.6~~	~~80.6~~	~~80.6~~	~~80.7~~	~~80.7~~	~~80.8~~	~~80.8~~
½	55.3	60.5	67.3	72.6	76.0	77.3	79.2	79.9	79.9	80.6	80.6	80.6	80.7	80.7	80.8	80.8
~~0~~	~~55.3~~	~~60.5~~	~~67.3~~	~~72.6~~	~~76.0~~	~~77.3~~	~~79.2~~	~~79.9~~	~~79.9~~	~~80.6~~	~~80.6~~	~~80.6~~	~~80.7~~	~~80.7~~	~~80.8~~	~~80.8~~
ALL	55.3	60.5	67.3	72.6	76.0	77.3	79.2	79.9	79.9	80.6	80.6	80.6	80.7	80.7	80.8	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~0900-1400~~

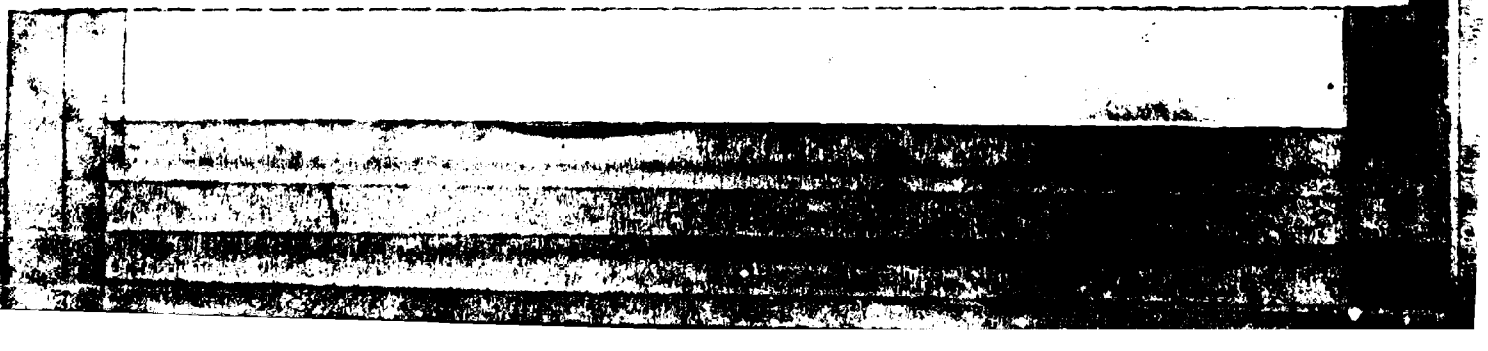
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~JAN~~ ~~0~~ CHICAGO-O'HARE IAP IL 74-83 ~~ANG~~

CEILING (FEET)	VISIBILITY STATUTE MILES ≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥15/16	≥½	≥0
~~ALL~~	38.1	45.3	48.1	49.7	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
~~2000~~	~~.2~~	~~52.4~~	~~56.5~~	~~58.7~~	~~59.9~~	~~60.0~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~	~~60.3~~
1800	.2	52.6	56.5	58.7	59.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
~~1600~~	~~.4~~	~~52.7~~	~~56.6~~	~~58.8~~	~~60.0~~	~~60.1~~	~~60.4~~	~~60.4~~	~~60.4~~	~~60.4~~	~~60.4~~	~~60.4~~	~~60.4~~	~~60.4~~	~~60.4~~	~~60.4~~
1400	.9	53.0	56.9	59.1	60.3	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
~~1200~~	~~1.2~~	~~54.4~~	~~58.8~~	~~61.3~~	~~62.6~~	~~62.7~~	~~63.0~~	~~63.0~~	~~63.0~~	~~63.0~~	~~63.0~~	~~63.0~~	~~63.0~~	~~63.0~~	~~63.0~~	~~63.0~~
1000	43.7	58.3	62.4	65.2	66.7	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
~~900~~	~~44.1~~	~~59.7~~	~~63.8~~	~~66.8~~	~~68.6~~	~~68.7~~	~~69.1~~	~~69.1~~	~~69.1~~	~~69.1~~	~~69.1~~	~~69.1~~	~~69.1~~	~~69.1~~	~~69.1~~	~~69.1~~
800	47.1	61.6	65.8	68.9	70.8	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
~~700~~	~~47.4~~	~~63.5~~	~~67.8~~	~~71.2~~	~~73.1~~	~~73.2~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~
600	4 .1	64.6	69.1	72.5	74.4	74.5	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
~~500~~	~~4 .5~~	~~65.8~~	~~7 .3~~	~~74.1~~	~~75.9~~	~~76.1~~	~~76.6~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~	~~76.7~~
450	4 .9	66.9	71.1	74.9	76.9	77.	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
~~400~~	~~4 .1~~	~~66.9~~	~~71.6~~	~~75.5~~	~~77.4~~	~~77.5~~	~~78.1~~	~~78.2~~	~~78.2~~	~~78.2~~	~~78.2~~	~~78.2~~	~~78.2~~	~~78.2~~	~~78.2~~	~~78.2~~
350	.1	68.1	72.9	77.0	78.9	79.0	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
~~300~~	~~.1.2~~	~~68.2~~	~~74.3~~	~~78.4~~	~~8 .3~~	~~80.4~~	~~81.0~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~	~~81.2~~
250	.2.6	71.	76.1	80.2	82.2	82.3	82.8	83.	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
~~200~~	~~54.1~~	~~74.0~~	~~79.4~~	~~83.4~~	~~85.5~~	~~85.8~~	~~86.6~~	~~86.8~~	~~86.8~~	~~87.~~	~~87.0~~	~~87.~~	~~87.0~~	~~87.0~~	~~87.0~~	~~87.0~~
180	.5.2	74.8	80.3	84.4	86.5	86.8	87.5	87.7	87.7	88.	88.0	88.0	88.0	88.0	88.0	88.0
~~150~~	~~55.1~~	~~76.8~~	~~82.6~~	~~87.5~~	~~89.8~~	~~90.2~~	~~91.1~~	~~91.3~~	~~91.3~~	~~91.5~~	~~91.5~~	~~91.5~~	~~91.5~~	~~91.5~~	~~91.5~~	~~91.5~~
120	5 .5	78.	84.3	89.6	9 .4	92.8	93.9	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
~~100~~	~~5 .5~~	~~78.4~~	~~84.6~~	~~9 .9~~	~~94.1~~	~~94.5~~	~~95.9~~	~~96.3~~	~~96.3~~	~~96.6~~	~~96.6~~	~~96.6~~	~~96.6~~	~~96.6~~	~~96.6~~	~~96.6~~
90	5 .6	78.8	85.1	91.3	94.6	95.1	96.5	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
~~80~~	~~5 .7~~	~~79.1~~	~~85.4~~	~~91.8~~	~~95.2~~	~~95.7~~	~~97.2~~	~~97.7~~	~~97.7~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~
70	5 .7	79.1	85.4	91.9	95.4	95.9	97.5	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
~~60~~	~~5 .7~~	~~79.1~~	~~85.4~~	~~91.9~~	~~95.4~~	~~96.0~~	~~97.6~~	~~98.4~~	~~98.4~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~	~~98.7~~
50	5 .7	79.1	85.4	92.3	95.5	96.2	97.8	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2
~~40~~	~~5 .7~~	~~79.1~~	~~85.4~~	~~92.~~	~~95.5~~	~~96.7~~	~~98.4~~	~~99.4~~	~~99.4~~	~~99.7~~	~~99.9~~	~~99.9~~	~~99.9~~	~~99.9~~	~~99.9~~	~~99.9~~
30	5 .7	79.1	85.4	92.0	95.5	96.7	98.4	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
~~20~~	~~5 .7~~	~~79.1~~	~~85.4~~	~~92.0~~	~~95.5~~	~~96.7~~	~~98.4~~	~~99.4~~	~~99.4~~	~~99.7~~	~~99.9~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
10	5 .7	79.1	85.4	92.0	95.5	96.7	98.4	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
~~0~~	~~5 .7~~	~~79.1~~	~~85.4~~	~~92.0~~	~~95.5~~	~~96.7~~	~~98.4~~	~~99.4~~	~~99.4~~	~~99.7~~	~~99.9~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC ~~FORM~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~CHICAGO-O'HARE IAP, IL~~ ~~74-83~~ ~~YEARS~~ ~~ALL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1400~~

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	3.4	44.3	46.2	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
	41.1	53.1	55.4	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
BELOW 5000	42.2	53.4	55.7	57.6	58.0	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
5000	42.2	53.4	55.7	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
4000	42.1	54.2	56.5	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
3000	44.3	56.5	58.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2500	46.1	59.9	62.9	65.3	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2000	47.6	61.4	64.4	67.1	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
1800	48.8	64.4	67.7	70.3	70.8	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
1600	49.9	65.9	68.8	71.4	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
1400	50.0	66.1	69.6	72.2	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
1200	52.3	69.4	72.9	75.6	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
1000	52.1	70.1	73.7	76.3	77.1	77.1	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
900	54.2	71.9	75.7	78.6	79.5	79.5	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
800	55.9	74.8	78.6	81.6	82.5	82.5	82.6	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
700	56.1	78.2	82.3	85.4	86.2	86.2	86.3	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
600	61.1	81.2	85.7	89.1	89.9	89.9	90.1	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
500	61.6	83.2	87.8	91.5	92.5	92.6	92.8	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
400	61.9	83.5	88.2	91.9	92.9	93.1	93.2	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
300	62.1	84.1	89.0	93.0	95.1	95.2	95.4	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
200	62.1	85.5	91.1	94.8	96.7	96.9	96.7	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
150	63.1	85.9	91.4	95.3	96.8	97.1	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
100	63.0	85.9	91.5	95.4	96.9	97.1	97.6	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
70	63.0	86.1	91.8	95.7	97.2	97.4	98.0	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
50	63.0	86.1	91.9	95.7	97.2	97.4	98.0	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
30	63.1	86.1	91.8	96.0	97.5	98.0	98.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
20	63.1	86.2	91.9	96.1	97.6	98.3	98.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CEILING UNLIMITED	63.1	86.2	91.9	96.1	97.6	98.3	98.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CLEAR	63.1	86.2	91.9	96.1	97.6	98.3	98.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	63.1	86.2	91.9	96.1	97.6	98.3	98.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	63.1	86.2	91.9	96.1	97.6	98.3	98.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~950~~

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72363 CHICAGO-O'HARE IAP IL 74-83 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
NO CEILING	42.4	51.0	54.2	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 20000	42.6	59.8	62.7	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	42.6	59.9	63.0	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	42.6	59.9	63.0	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	42.1	60.8	63.9	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000	41.5	63.3	66.7	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 9000	44.3	66.1	72.0	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	44.1	68.7	73.0	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	51.7	70.9	75.4	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	52.1	71.5	76.0	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	52.6	72.6	77.1	78.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	52.6	74.1	79.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	53.1	74.8	79.8	81.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500	52.4	76.3	81.4	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000	61.1	78.9	83.5	85.4	86.6	86.6	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2500	63.5	83.9	88.1	89.1	89.1	89.2	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	64.5	82.4	88.1	90.3	91.6	91.6	91.7	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	65.1	83.1	89.4	91.9	93.4	93.4	93.7	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	65.1	83.9	89.6	92.3	93.8	93.8	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	65.1	84.1	91.0	94.0	95.6	95.6	95.8	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	65.7	85.6	91.8	94.9	96.7	96.7	97.0	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	65.9	86.2	92.8	96.1	98.1	98.0	98.3	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	65.9	86.2	92.8	96.1	98.1	98.0	98.3	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	65.9	86.2	92.8	96.3	98.2	98.4	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	65.9	86.2	92.8	96.3	98.2	98.5	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	
≥ 400	65.9	86.2	92.8	96.5	98.3	98.6	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	65.9	86.2	92.8	96.5	98.3	98.6	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	65.9	86.2	92.8	96.5	98.4	98.7	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	65.9	86.2	92.8	96.5	98.4	98.7	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	65.9	86.2	92.8	96.5	98.4	98.7	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
	65.9	86.2	92.8	96.5	98.4	98.7	99.0	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~12-3-0~~ (STATION NUMBER) ~~CHICAGO-O'HARE IAP IL~~ (STATION NAME) ~~74-83~~ (YEARS) ~~ANNUAL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1300-2000~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING																
≥ 20000	53.1	53.3	55.6	56.7	56.9	56.9	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	53.1	63.9	66.7	68.2	68.6	68.6	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000	53.1	63.9	66.7	68.2	68.6	68.6	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 14000	53.1	63.9	66.7	68.2	68.6	68.6	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 12000	53.1	64.2	67.0	68.6	69.1	69.1	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 10000	53.2	66.6	69.9	71.5	72.2	72.2	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	55.1	69.4	73.1	74.8	75.5	75.5	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	55.5	70.1	74.1	76.1	76.6	76.6	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	57.6	73.0	77.1	79.4	80.6	80.6	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000	58.4	74.1	78.3	80.4	81.7	81.7	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	58.7	74.8	78.9	81.2	82.5	82.5	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	58.8	76.7	81.1	83.3	84.8	84.8	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	60.3	77.6	82.0	84.6	86.1	86.1	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	60.3	77.8	82.3	84.8	86.3	86.3	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	61.3	79.0	83.9	86.1	87.7	87.7	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	61.7	79.8	84.4	87.0	88.6	88.7	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2200	62.4	81.3	86.3	88.9	90.8	90.9	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	63.1	82.9	88.1	90.6	92.7	92.8	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
1800	63.3	83.2	88.4	91.2	93.2	93.3	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
1700	63.4	84.2	89.5	92.6	94.7	94.8	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1600	64.1	85.3	90.9	94.2	96.3	96.5	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1500	64.1	85.4	91.0	94.4	96.6	96.7	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1400	64.0	85.7	91.3	94.7	96.9	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1300	64.0	85.9	91.7	95.1	97.6	97.7	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1200	64.1	85.9	91.8	95.5	97.8	98.1	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1100	64.1	85.9	91.8	95.5	97.8	98.1	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	64.1	85.9	91.8	95.6	98.0	98.3	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
900	64.1	85.9	91.8	95.6	98.0	98.3	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	64.0	85.9	91.8	95.6	98.0	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	64.0	85.9	91.8	95.6	98.0	98.3	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	64.1	85.9	91.8	95.6	98.1	98.4	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	64.1	85.9	91.8	95.6	98.1	98.4	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] CHICAGO-O'HARE IAP IL 74-83 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

VISIBILITY (STATUTE MILES)

CEILING (FEET)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	41.5	54.6	56.9	58.5	[illegible]	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
[illegible]	44.1	59.7	62.2	64.2	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
[illegible]	44.1	59.7	62.2	64.2	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
[illegible]	44.1	59.7	62.2	64.2	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
[illegible]	44.1	59.8	62.3	64.6	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
[illegible]	[illegible]	61.9	64.4	66.8	67.1	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
[illegible]	[illegible]	66.8	69.6	72.6	72.9	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
[illegible]	[illegible]	68.5	71.5	74.5	74.9	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
[illegible]	[illegible]	71.9	74.9	78.2	78.9	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
[illegible]	[illegible]	72.7	75.7	78.9	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
[illegible]	[illegible]	74.3	77.5	[illegible]	81.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
[illegible]	[illegible]	76.6	[illegible]	83.4	84.2	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
[illegible]	[illegible]	77.7	81.3	84.6	85.4	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
[illegible]	57.1	78.6	82.3	85.6	86.3	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
[illegible]	[illegible]	79.7	83.3	86.7	87.4	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
[illegible]	[illegible]	81.1	84.8	88.5	89.4	[illegible]	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
[illegible]	[illegible]	82.9	87.1	90.6	91.7	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
[illegible]	[illegible]	83.8	[illegible]	91.6	92.9	[illegible]	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
[illegible]	[illegible]	84.2	88.4	92.0	93.2	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
[illegible]	[illegible]	85.2	89.5	93.3	94.6	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
[illegible]	[illegible]	85.9	90.5	94.5	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
[illegible]	[illegible]	86.2	90.9	95.2	96.5	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
[illegible]	[illegible]	86.5	91.1	95.6	[illegible]	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
[illegible]	60.8	87.0	91.9	96.5	98.1	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
[illegible]	[illegible]	87.0	92.0	96.7	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	[illegible]	87.0	92.2	96.9	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
[illegible]	[illegible]	87.1	92.3	97.0	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
400	[illegible]	87.1	92.3	97.0	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
300	[illegible]	87.1	92.3	97.0	98.8	99.2	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	[illegible]	87.1	92.3	97.0	98.8	99.2	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	87.1	92.3	97.0	98.8	99.2	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	[illegible]	87.1	92.3	97.0	98.8	99.2	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~WBAN~~ 0 ~~CHICAGO-O'HARE INTERNATIONAL AIRPORT IL~~ ~~74-83~~ YEARS ~~ALL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS ALL

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
~~NO CEILING~~ 20000	37.2	46.7	51.6	53.8	54.7	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5
~~12000~~ 10000	41.1	55.1	58.6	61.4	62.4	62.6	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
~~8000~~ 6000	41.1	55.2	58.7	61.5	62.5	62.7	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
~~5000~~ 4500	41.1	55.2	58.7	61.5	62.5	62.7	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
~~4000~~ 3500	42.0	55.6	59.1	62.1	63.0	63.3	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0
~~3000~~ 2500	43.5	57.6	61.3	64.4	65.5	65.7	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4
~~2200~~ 2000	44.6	60.9	65.1	68.6	69.7	70.0	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9
~~1800~~ 1600	44.5	62.1	66.5	70.1	71.3	71.6	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
~~1400~~ 1200	45.3	65.0	69.4	73.3	74.7	75.1	75.6	75.9	75.9	76.3	76.0	76.0	76.0	76.0	76.0
~~1000~~ 900	45.0	65.4	70.4	74.3	75.7	76.0	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
~~800~~ 700	46.7	67.1	71.7	75.7	77.1	77.4	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5
~~600~~ 500	47.1	69.1	73.9	77.9	79.4	79.7	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.8	80.8
~~450~~ 400	1.6	72.2	76.1	79.3	80.8	81.2	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
~~350~~ 300	2.0	73.9	77.9	81.2	82.7	83.1	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1
~~250~~ 200	3.1	72.3	77.4	81.7	83.3	83.6	84.3	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8
~~175~~ 150	4.1	73.8	79.0	83.5	85.1	85.5	86.1	86.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7
~~125~~ 100	5.1	75.6	81.1	85.6	87.3	87.7	88.4	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0
~~75~~ 50	5.4	77.1	82.7	87.4	89.2	89.7	90.4	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0
~~30~~ 0	5.7	77.4	83.1	88.0	89.8	90.2	90.9	91.3	91.3	91.5	91.5	91.5	91.5	91.6	91.6
~~NO CEILING~~ 20000	5.5	78.4	84.4	89.6	91.5	92.0	92.7	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4
~~12000~~ 10000	5.7	79.3	85.4	90.8	92.9	93.3	94.2	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9
~~8000~~ 6000	56.1	79.9	86.2	91.9	94.1	94.6	95.5	96.1	96.0	96.3	96.3	96.3	96.3	96.3	96.3
~~5000~~ 4500	57.7	80.2	86.9	92.2	94.5	95.1	96.0	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8
~~4000~~ 3500	57.0	80.4	86.9	92.8	95.2	95.7	96.8	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7
~~3000~~ 2500	57.1	80.9	87.1	93.0	95.6	96.2	97.3	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2
~~2200~~ 2000	57.1	81.4	87.3	93.4	96.0	96.6	97.8	98.5	98.5	98.8	98.8	98.8	98.9	98.9	98.9
~~1800~~ 1600	57.1	81.7	87.4	93.5	96.2	97.0	98.1	98.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3
~~1400~~ 1200	57.1	81.7	87.4	93.5	96.3	97.1	98.3	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
~~1000~~ 900	57.1	80.7	87.4	93.6	96.3	97.2	98.3	99.2	99.2	99.6	99.6	99.6	99.7	99.8	99.8
~~800~~ 700	57.1	80.7	87.4	93.6	96.3	97.2	98.3	99.2	99.2	99.6	99.7	99.7	99.8	99.8	99.9
~~600~~ 500	57.1	80.7	87.4	93.6	96.3	97.2	98.4	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9
~~450~~ 400	57.1	80.7	87.4	93.6	96.3	97.2	98.4	99.3	99.3	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ~~7440~~

OL PAL CLIMATOLOGY BRANCH
SAFETAC
AI[illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12 3 D CHICAGO-O'HARE IAP IL 74-83 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
≥22000	62.4	65.6	69.8	71.1	71.4	71.4	71.7	71.7	71.7	71.[illegible]	71.9	71.9	71.9	71.9	71.9	71.9
22000	63.1	66.8	72.1	73.7	74.0	74.0	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
18000	63.1	66.8	72.1	73.7	74.0	74.1	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
14000	63.1	66.8	72.1	73.7	74.0	74.0	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
12000	63.1	66.9	72.2	73.8	74.1	74.1	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6
10000	64.2	67.2	72.2	73.6	75.2	75.6	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
9000	64.8	66.6	70.0	71.7	72.3	72.0	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4
8000	72.2	72.1	73.8	75.6	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
7000	73.6	73.4	75.1	77.0	77.3	77.3	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
6000	74.2	74.3	76.1	78.1	78.4	78.4	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
5000	75.7	76.1	78.[illegible]	80.2	80.6	80.6	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
4500	76.1	76.3	80.3	82.7	83.0	83.0	83.3	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
4000	77.1	77.6	80.6	82.9	83.2	83.2	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
3500	78.8	79.2	82.2	84.9	85.2	85.2	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
3000	81.1	81.9	84.1	86.8	87.1	87.1	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2500	83.1	83.4	85.7	88.3	88.7	88.7	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2200	84.1	85.1	87.6	90.3	90.8	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2000	84.4	85.7	88.2	91.1	91.7	91.7	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1800	85.1	86.1	88.7	91.8	92.3	92.3	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1700	86.1	86.3	88.9	92.2	92.8	92.8	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
1600	86.3	87.4	89.2	93.7	94.4	94.4	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
1500	86.4	87.8	90.6	94.0	94.9	94.9	95.3	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1400	86.4	88.0	90.8	94.3	95.3	95.3	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1300	86.8	88.4	91.2	95.2	96.2	96.2	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1200	86.8	88.4	91.3	95.4	96.6	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1100	86.8	88.4	91.4	95.8	97.1	97.1	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1000	86.8	88.4	91.4	95.9	97.2	97.2	97.8	97.9	97.9	98.6	98.6	98.6	98.7	98.7	98.7	98.7
900	87.1	88.4	91.4	96.0	97.3	97.3	98.0	98.2	98.2	98.9	99.2	99.2	99.4	99.4	99.4	99.4
800	86.8	88.4	91.4	96.1	97.4	97.4	98.1	98.3	98.3	99.1	99.4	99.4	99.9	99.9	99.9	99.9
700	86.8	88.4	91.4	96.1	97.4	97.4	98.1	98.3	98.3	99.1	99.4	99.4	99.9	99.9	100.0	100.0
600	86.8	88.4	91.4	96.1	97.4	97.4	98.1	98.3	98.3	99.1	99.4	99.4	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETIC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~73-83~~ CHICAGO-O'HARE INTL AP IL ~~74-83~~ ~~55P~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0100-0500~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	1	1	1	5/16	½	0
~~[illegible]~~	5 .1	53.3	56.1	58.4	59.3	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9
~~[illegible]~~	~~[illegible]~~	~~56.4~~	~~58.7~~	~~61.3~~	~~62.2~~	~~62.4~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.8~~	~~62.8~~	~~62.8~~	~~62.8~~
~~[illegible]~~	47.0	56.4	59.7	61.3	62.2	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8
~~[illegible]~~	~~47.0~~	~~56.4~~	~~58.7~~	~~61.3~~	~~62.2~~	~~62.4~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.7~~	~~62.8~~	~~62.8~~	~~62.8~~	~~62.8~~
~~[illegible]~~	47.0	56.4	58.7	61.3	62.2	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8
~~[illegible]~~	47.1	57.8	60.0	62.8	63.7	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2
~~[illegible]~~	48.1	61.1	63.4	66.4	67.3	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9
~~[illegible]~~	~~48.4~~	~~62.9~~	~~65.4~~	~~68.3~~	~~69.3~~	~~69.9~~	~~70.1~~	~~70.1~~	~~70.1~~	~~70.1~~	~~70.1~~	~~70.1~~	~~70.2~~	~~70.2~~	~~70.2~~	~~70.2~~
~~[illegible]~~	46.1	66.2	68.8	72.3	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0
~~[illegible]~~	~~46.1~~	~~66.0~~	~~70.4~~	~~74.1~~	~~75.2~~	~~75.4~~	~~75.7~~	~~75.7~~	~~75.7~~	~~75.7~~	~~75.7~~	~~75.7~~	~~75.8~~	~~75.8~~	~~75.8~~	~~75.8~~
~~[illegible]~~	47.3	7 .1	77.8	76.6	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
~~[illegible]~~	~~46.9~~	~~7~~	~~74.7~~	~~78.4~~	~~79.6~~	~~79.8~~	~~80.0~~	~~80.0~~	~~80.0~~	~~80.0~~	~~80.0~~	~~80.0~~	~~80.1~~	~~80.1~~	~~80.1~~	~~80.1~~
~~[illegible]~~	72.4	72.9	75.8	79.6	8 .7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2
~~[illegible]~~	~~72.6~~	~~73.2~~	~~76.1~~	~~80.0~~	~~81.1~~	~~81.5~~	~~81.6~~	~~81.6~~	~~81.6~~	~~81.6~~	~~81.6~~	~~81.6~~	~~81.7~~	~~81.7~~	~~81.7~~	~~81.7~~
~~[illegible]~~	1.2	74.6	77.1	81.8	82.9	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.6	83.6
~~[illegible]~~	~~2.4~~	~~76.1~~	~~79.1~~	~~83.3~~	~~84.4~~	~~84.7~~	~~85.0~~	~~85.0~~	~~85.0~~	~~85.0~~	~~85.0~~	~~85.0~~	~~85.1~~	~~85.1~~	~~85.1~~	~~85.1~~
~~[illegible]~~	53.1	78.1	81.2	85.4	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
~~[illegible]~~	~~5.0~~	~~80.0~~	~~83.4~~	~~87.8~~	~~88.9~~	~~89.1~~	~~89.4~~	~~89.4~~	~~89.4~~	~~89.4~~	~~89.4~~	~~89.4~~	~~89.6~~	~~89.6~~	~~89.6~~	~~89.6~~
~~[illegible]~~	55.1	81.0	84.6	89.0	90.1	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
~~[illegible]~~	~~5~~	~~8~~	~~85.8~~	~~90.4~~	~~91.6~~	~~91.8~~	~~92.1~~	~~92.1~~	~~92.1~~	~~92.1~~	~~92.1~~	~~92.1~~	~~92.2~~	~~92.2~~	~~92.2~~	~~92.2~~
~~[illegible]~~	57.2	82.8	86.7	91.3	92.4	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
~~[illegible]~~	~~57.3~~	~~83.3~~	~~87.3~~	~~92.1~~	~~93.2~~	~~93.4~~	~~93.8~~	~~93.8~~	~~93.8~~	~~93.8~~	~~93.8~~	~~93.8~~	~~93.9~~	~~93.9~~	~~94.0~~	~~94.0~~
~~[illegible]~~	57.3	83.3	87.4	92.3	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.3	94.3
~~[illegible]~~	~~57.3~~	~~83.7~~	~~87.8~~	~~92.8~~	~~94.0~~	~~94.2~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.6~~	~~94.7~~	~~94.7~~	~~94.9~~	~~94.9~~
~~[illegible]~~	57.3	83.8	88.1	93.4	94.7	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.7	95.7
~~[illegible]~~	~~57.4~~	~~84.1~~	~~88.8~~	~~94.4~~	~~95.8~~	~~96.0~~	~~96.4~~	~~96.4~~	~~96.4~~	~~96.4~~	~~96.4~~	~~96.4~~	~~96.6~~	~~96.6~~	~~96.8~~	~~96.8~~
~~[illegible]~~	57.4	84.1	88.8	95.1	96.3	96.7	97.1	97.3	97.3	97.6	97.6	97.6	97.7	97.7	97.9	97.9
~~[illegible]~~	~~57.4~~	~~84.1~~	~~88.8~~	~~95.1~~	~~96.3~~	~~96.7~~	~~97.1~~	~~97.4~~	~~97.8~~	~~97.8~~	~~98.0~~	~~98.1~~	~~98.1~~	~~98.2~~	~~98.2~~	~~98.4~~	~~98.4~~
~~[illegible]~~	57.4	84.1	88.8	95.3	96.9	97.2	97.7	98.0	98.0	98.3	98.4	98.4	98.7	98.7	98.9	98.9
~~[illegible]~~	~~57.4~~	~~84.1~~	~~88.8~~	~~95.3~~	~~96.9~~	~~97.2~~	~~97.7~~	~~98.0~~	~~98.0~~	~~98.3~~	~~98.7~~	~~98.7~~	~~99.2~~	~~99.3~~	~~99.6~~	~~99.6~~
~~[illegible]~~	57.4	84.1	88.8	95.3	96.9	97.2	97.7	98.0	98.0	98.3	98.7	98.7	99.2	99.3	99.7	99.7
~~[illegible]~~	~~57.4~~	~~84.1~~	~~88.8~~	~~95.3~~	~~96.9~~	~~97.2~~	~~97.7~~	~~98.1~~	~~98.0~~	~~98.3~~	~~98.7~~	~~98.7~~	~~99.2~~	~~99.3~~	~~99.7~~	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC ~~FORM~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL PAL CLIMATOLOGY BRANCH
SAFETAC
AI EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72[illegible]3 CHICAGO-O'HARE INTL AP IL 74-83 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	9	8	7	6	5	4	3	2½	2	1½	1¼	1	½	¼	0
CLR	2.1	44.7	47.8	52.3	54.4	54.7	56.1	56.7	56.7	56.7	56.7	56.7	56.9	56.9	57.0	57.1
25000	34.4	47.7	51.1	55.9	58.3	58.2	59.7	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.6	60.7
15000	34.4	47.7	51.0	55.9	58.3	58.2	59.7	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.6	60.7
10000	34.4	47.7	51.0	55.9	58.0	58.2	59.7	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.6	60.7
8000	34.4	47.7	51.0	55.9	58.0	58.2	59.7	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.6	60.7
7000	34.4	47.7	51.0	55.9	58.0	58.2	59.7	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.6	60.7
6000	34.4	48.1	51.4	56.3	58.4	58.7	60.1	60.7	60.7	60.7	60.7	60.7	60.9	60.9	61.0	61.1
5000	36.7	51.2	53.9	59.0	61.4	61.8	63.2	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.3	64.4
4500	37.8	52.3	56.1	61.4	64.0	64.4	66.1	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.2	67.3
4000	39.3	54.6	58.7	64.3	66.9	67.3	69.0	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.2	70.3
3500	41.1	56.6	60.7	66.3	69.0	69.4	71.1	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.3	72.4
3000	42.1	58.1	62.3	68.0	71.7	71.1	72.8	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.1	74.2
2500	42.4	59.1	63.7	69.8	72.6	73.1	74.7	75.7	75.7	75.7	75.7	75.7	75.9	75.9	76.0	76.1
2200	43.3	59.7	64.2	70.3	73.1	73.6	75.3	76.3	76.3	76.3	76.3	76.3	76.6	76.6	76.7	76.8
2000	43.4	60.0	64.6	70.7	73.4	73.9	75.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.1	77.2
1800	43.7	60.7	65.3	71.4	74.2	74.7	76.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.9	78.0
1600	44.4	61.7	66.4	72.7	75.4	75.9	77.8	78.8	78.8	78.8	78.8	78.8	79.0	79.0	79.1	79.2
1400	45.1	63.3	68.8	75.2	78.0	78.8	80.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	82.0	82.1
1200	46.4	64.4	70.3	76.9	79.7	80.7	82.6	83.6	83.6	83.6	83.6	83.6	83.8	83.8	83.9	84.0
1000	47.3	66.2	72.0	78.6	81.3	82.3	84.2	85.2	85.2	85.2	85.2	85.2	85.4	85.4	85.6	85.7
900	47.1	67.6	73.4	80.1	82.9	84.0	85.9	86.9	86.9	86.9	86.9	86.9	87.1	87.1	87.2	87.3
800	47.9	69.1	75.1	82.3	85.4	86.7	88.6	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.9	90.0
700	49.0	69.3	75.8	83.7	87.1	88.3	90.2	91.2	91.2	91.2	91.2	91.2	91.4	91.4	91.6	91.7
600	50.0	69.8	76.7	84.8	88.6	89.8	91.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	93.0	93.1
500	50.3	70.4	77.3	86.0	89.9	91.1	93.0	94.1	94.1	94.2	94.2	94.2	94.4	94.4	94.6	94.7
400	50.4	70.7	77.6	86.2	90.4	91.9	93.8	94.9	94.9	95.0	95.0	95.0	95.2	95.2	95.3	95.4
300	50.4	70.8	77.8	86.4	91.1	92.4	94.6	95.8	95.8	96.1	96.1	96.1	96.3	96.3	96.4	96.6
200	50.4	70.8	77.9	86.8	91.7	93.3	95.6	97.0	97.0	97.3	97.3	97.3	97.6	97.6	97.7	97.8
100	50.4	70.8	77.9	86.8	91.7	93.4	95.8	97.7	97.7	98.1	98.3	98.3	98.6	98.6	98.7	98.9
0	50.4	70.8	77.9	86.8	91.7	93.4	95.8	97.7	97.7	98.1	98.3	98.3	98.7	98.8	99.0	99.2
M	50.4	70.8	77.9	86.8	91.7	93.4	95.8	97.7	97.7	98.1	98.3	98.3	98.8	98.9	99.3	99.7
	50.4	70.8	77.9	86.8	91.7	93.4	95.8	97.7	97.7	98.1	98.3	98.3	98.8	98.9	99.3	99.7
	50.4	70.8	77.9	86.8	91.7	93.4	95.8	97.7	97.7	98.1	98.3	98.3	98.8	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~72-30~~ ~~CHICAGO-O'HARE INTL AP IL~~ 74-83 ~~WBAN~~ ~~9468~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0900-1100~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
22000+	57.4	5 .3	52.3	53.8	55.1	55.1	55.1	55.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
	~~+0.2~~	~~53.2~~	~~55.8~~	~~57.3~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~	~~58.7~~
18000+	+0.2	53.2	55.8	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
	~~+0.4~~	~~53.6~~	~~56.1~~	~~57.7~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~	~~59.0~~
14000+	+1.1	54.0	6.6	56.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
	~~+1.2~~	~~55.1~~	~~57.7~~	~~59.4~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~
10000+	+3.4	57.2	6 .3	62.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
	~~+4.0~~	~~58.9~~	~~62.2~~	~~64.2~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~	~~65.7~~
8000+	+4.0	60.4	64.0	66.0	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
	~~+4.1~~	~~61.6~~	~~65.3~~	~~67.6~~	~~69.1~~	~~69.0~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~	~~69.2~~
7000+	47.7	62.8	66.6	68.8	7 .2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
	~~+5.1~~	~~64.4~~	~~68.3~~	~~70.6~~	~~72.0~~	~~72.0~~	~~72.2~~	~~72.2~~	~~72.2~~	~~72.2~~	~~72.2~~	~~72.2~~	~~72.2~~	~~72.2~~	~~72.2~~	~~72.2~~
5000+	47.7	65.2	69.2	71.6	73.1	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
	~~+0.1~~	~~65.7~~	~~69.7~~	~~72.0~~	~~73.4~~	~~73.4~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~
4000+	1.2	66.9	71.0	73.3	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
	~~52.1~~	~~68.8~~	~~73.1~~	~~75.4~~	~~76.9~~	~~76.9~~	~~77.1~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~	~~77.2~~
3000+	57.4	74.2	78.8	81.2	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
	~~+0.6~~	~~76.7~~	~~83.4~~	~~86.9~~	~~87.3~~	~~87.6~~	~~87.9~~	~~88.1~~	~~88.2~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~	~~88.1~~
2500+	1.6	79.7	84.4	86.9	88.4	88.7	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
	~~+2.1~~	~~80.9~~	~~86.0~~	~~88.6~~	~~90.1~~	~~90.3~~	~~90.7~~	~~90.8~~	~~90.8~~	~~90.9~~	~~90.9~~	~~90.9~~	~~90.9~~	~~90.9~~	~~90.9~~	~~90.9~~
2000+	2.7	82.7	88.1	91.1	9 .7	92.9	93.3	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	~~+3.2~~	~~83.8~~	~~9 .1~~	~~93.6~~	~~95.2~~	~~95.6~~	~~96.0~~	~~96.1~~	~~96.1~~	~~96.2~~	~~96.2~~	~~96.2~~	~~96.2~~	~~96.2~~	~~96.2~~	~~96.2~~
1500+	3.2	84.1	9 .6	94.0	95.9	96.2	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	~~+3.6~~	~~84.6~~	~~91.2~~	~~94.8~~	~~96.8~~	~~97.1~~	~~97.9~~	~~98.1~~	~~98.0~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~	~~98.1~~
1000+	3.8	84.9	91.3	94.9	97.1	97.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	~~+3.6~~	~~85.1~~	~~91.4~~	~~95.1~~	~~97.2~~	~~97.7~~	~~99.0~~	~~99.4~~	~~99.4~~	~~99.6~~	~~99.6~~	~~99.6~~	~~99.6~~	~~99.6~~	~~99.6~~	~~99.6~~
500+	3.8	85.1	91.4	95.1	97.3	97.9	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400+	+3.6	85.1	91.4	95.1	97.3	97.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300+	3.8	85.0	91.4	95.1	97.3	97.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200+	+3.6	8 .0	91.4	95.1	97.3	97.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100+	3.8	85.1	91.4	95.1	97.3	97.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	+3.6	85.1	91.4	95.1	97.3	97.9	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~966~~

USAF ETAC ~~FORM~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL BAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

[illegible] CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) SEP (MONTH)

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS)

CEILING (FEET)	VISIBILITY (STATUTE MILES) [illegible]	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
[illegible]	[illegible]	[illegible]	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
[illegible]	[illegible]	56.6	58.1	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
[illegible]	[illegible]	56.6	58.1	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
[illegible]	[illegible]	57.1	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
[illegible]	[illegible]	57.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
[illegible]	[illegible]	58.6	[illegible]	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
[illegible]	[illegible]	61.9	63.6	64.2	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
[illegible]	[illegible]	63.9	65.7	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
[illegible]	[illegible]	[illegible]	66.9	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
[illegible]	[illegible]	66.1	67.9	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
[illegible]	[illegible]	66.9	68.7	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
[illegible]	[illegible]	68.1	69.9	[illegible]	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
4500	[illegible]	70.0	71.9	72.8	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
4000	[illegible]	71.9	74.1	75.0	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
[illegible]	[illegible]	75.1	77.3	78.2	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
[illegible]	[illegible]	[illegible]	82.1	83.1	83.4	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
[illegible]	[illegible]	85.3	[illegible]	89.0	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
[illegible]	70.2	87.8	90.6	91.6	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	[illegible]	[illegible]	91.4	92.4	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
[illegible]	71.4	[illegible]	93.2	94.6	95.0	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
[illegible]	72.1	91.1	94.1	95.6	[illegible]	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
[illegible]	72.3	91.8	[illegible]	96.7	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
900	72.3	91.9	95.1	96.9	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	72.4	92.1	95.4	97.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
700	72.6	92.4	95.8	97.8	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
600	72.6	92.4	95.8	97.8	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	72.6	92.4	95.8	97.8	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	72.6	92.4	95.8	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
300	72.6	92.4	95.8	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
200	72.6	92.4	95.8	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
100	72.6	92.4	95.8	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	72.6	92.4	95.8	97.8	98.9	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~03-09~~ ~~CHICAGO-O'HARE INTL AP IL~~ 74-83 YEARS ~~SEP~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1500-1700~~

CEILING (HUNDREDS OF FEET)	VISIBILITY: STATUTE MILES ≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	<¼
≥22000	4.3	56.9	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
	3.1	62.3	63.7	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥18000	3.1	62.3	63.7	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
	3.2	62.4	63.8	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥16000	4.6	62.8	64.1	64.1	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
	4.6	63.8	65.1	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥14000	5.7	66.3	67.7	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
	5.6	67.7	69.1	69.3	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥12000	6.0	69.0	70.4	71.2	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
	6.2	69.8	71.2	72.0	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥10000	6.6	70.4	71.9	72.8	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	7.1	72.8	74.2	75.2	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥9000	7.3	75.3	76.9	77.9	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
	7.3	77.8	79.3	80.3	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥8000	67.8	81.1	83.2	84.3	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
	6.8	83.8	86.1	87.3	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥7000	72.2	86.9	89.3	90.7	91.2	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	73.1	88.0	90.6	92.0	92.7	92.8	93.1	93.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥6000	73.4	88.1	90.7	92.1	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	73.2	88.9	91.6	93.0	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥5000	74.2	89.3	92.1	93.6	94.3	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
	74.6	89.9	92.9	94.3	95.1	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥4500	74.8	90.1	93.3	94.9	95.7	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	74.7	90.4	93.8	95.5	96.4	96.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥4000	74.9	90.8	94.3	96.1	97.0	97.6	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
	75.1	91.0	94.6	96.3	97.6	98.2	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3500	75.0	91.1	94.6	96.3	97.6	98.2	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
	75.0	91.2	94.8	96.4	97.8	98.4	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥3000	77.0	91.2	94.8	96.6	97.8	98.4	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	75.1	91.2	94.8	96.6	97.8	98.4	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥2500	75.1	91.2	94.8	96.6	97.8	98.4	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	75.1	91.2	94.8	96.6	97.8	98.4	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...BAL CLIMATOLOGY BRANCH
...SAFETY
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...TWO CHICAGO-O'HARE IAP IL (STATION, NAME) 74-83 (YEARS) SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	¾	½	≥5/16	¼	<¼
1.6	[illegible].3	61.2	62.2	62.3	62.3	62.3	62.[illegible]	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
4.0	63.1	64.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
4.0	63.1	64.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
4.0	63.1	64.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
4.2	63.4	64.6	65.8	6[illegible].9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
5[illegible].1	65.6	66.7	67.9	68.[illegible]	68.[illegible]	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
[illegible].7	68.4	69.5	7[illegible].8	7[illegible].9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
[illegible].2	70.3	71.4	72.7	72.8	72.8	73.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]	73.0	73.0	73.0	73.0	73.0	73.0
6[illegible].1	[illegible]2.3	73.4	75.1	75.3	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
[illegible]2.6	73.[illegible]	74.[illegible]	76.3	7[illegible].2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
[illegible].1	73.8	74.9	76.8	77.[illegible]	77.1	77.3	77.[illegible]	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
[illegible].6	77.9	79.1	81.3	81.2	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
[illegible].1	81.0	82.3	84.5	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
[illegible].3	[illegible].7	83.[illegible]	85.[illegible]	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
[illegible].4	3.4	84.[illegible]	86.9	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
71.2	84.8	86.1	88.2	88.7	88.8	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]
[illegible].6	86.7	88.[illegible]	90.3	90.[illegible]	91.[illegible]	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
[illegible].1	[illegible].3	86.8	91.2	91.[illegible]	91.[illegible]	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
[illegible].3	7.6	89.[illegible]	91.4	92.[illegible]	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
[illegible].4	88.[illegible]	89.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]	92.[illegible]
[illegible].3	89.[illegible]	90.[illegible]	93.2	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
[illegible].[illegible]	8[illegible].[illegible]	91.2	93.8	94.[illegible]	94.[illegible]	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
[illegible].0	89.9	91.[illegible]	94.[illegible]	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
[illegible].1	90.[illegible]	92.[illegible]	95.2	95.[illegible]	96.[illegible]	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible].1	[illegible].[illegible]	92.6	95.[illegible]	96.2	96.3	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
[illegible].2	91.[illegible]	93.[illegible]	95.[illegible]	96.[illegible]	97.[illegible]	97.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]
[illegible].2	91.2	93.3	96.9	97.9	98.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
[illegible].2	91.[illegible]	93.[illegible]	97.[illegible]	98.2	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible].2	91.3	93.4	97.1	98.2	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible].2	91.[illegible]	93.[illegible]	97.[illegible]	98.2	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible].2	91.3	93.4	97.1	98.2	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible].2	91.[illegible]	93.[illegible]	97.[illegible]	98.2	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 000

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L PAL CLIMATOLOGY BRANCH
...ETIC
A... EAT ER SERVICE MAC

CEILING VERSUS VISIBILITY

~~1 JAN 60~~ ~~CHICAGO-O'HARE INTL AP IL~~ ~~74-83~~ ~~66P~~
STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~2100-2300~~

CEILING (HUNDREDS OF FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
≥22000	63.3	64.4	65.1	65.1	65.1	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥20000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥18000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥16000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥14000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥12000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥10000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥9000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥8000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥7000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥6000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥5000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥4500	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥4000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥3500	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥3000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥2500	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥2000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥1500	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥1000	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 800	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 600	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 400	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 200	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
< 200	64.9	66.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC ... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L PAL CLIMATOLOGY BRANCH
...SAFETAC
AT... CATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3.0 CHICAGO-O'HARE IAP, IL 74-83 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

VISIBILITY STATUTE MILES

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
≥22000	57.1	55.1	56.7	59.3	58.2	58.9	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3
≥20000	58.5	56.1	58.0	61.7	62.3	62.3	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
≥18000	58.5	56.1	58.0	61.7	62.3	62.3	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
≥16000	58.6	56.3	60.1	61.6	62.4	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9
≥14000	58.1	56.4	60.3	62.0	62.6	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1
≥12000	58.1	58.7	61.8	63.4	64.0	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥10000	62.1	62.7	64.7	66.5	67.2	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8
≥9000	64.6	64.5	66.6	68.5	69.2	69.3	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
≥8000	67.3	66.8	69.0	71.1	71.9	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
≥7000	68.3	67.9	70.2	72.5	73.2	73.4	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
≥6000	69.1	69.1	71.3	73.7	74.5	74.6	74.9	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2
≥5000	75.6	75.2	77.5	79.4	79.8	79.9	77.2	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5
≥4500	76.1	76.9	78.4	77.9	78.7	78.8	79.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4
≥4000	76.5	77.2	79.5	78.8	79.6	79.7	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4
≥3500	79.8	79.7	82.0	81.0	81.8	82.0	82.4	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7
≥3000	82.2	82.2	84.5	83.2	84.0	84.1	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
≥2500	87.5	87.6	89.5	86.3	87.2	87.4	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
≥2000	89.7	89.4	91.5	88.3	89.3	89.5	90.0	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
≥1800	90.3	90.1	92.3	89.1	90.1	90.3	90.8	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1
≥1600	91.9	91.0	93.3	90.3	91.3	91.6	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥1400	93.4	93.9	95.3	92.6	93.6	92.8	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6
≥1200	94.7	95.4	96.8	94.2	92.9	94.2	94.7	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
≥1000	95.4	95.9	97.3	94.6	94.9	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥900	96.1	96.3	97.2	95.3	95.6	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.6	96.6	96.6
≥800	96.0	96.5	98.0	96.3	95.8	96.1	96.8	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2
≥700	96.1	96.7	98.0	96.4	96.3	96.8	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1
≥600	96.1	96.8	98.0	96.0	96.7	97.3	98.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8
≥500	96.1	96.8	98.0	96.2	96.9	97.5	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4
≥400	96.0	96.8	98.0	96.2	97.0	97.5	98.5	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.7
≥300	96.0	96.8	98.0	96.3	97.0	97.6	98.5	99.1	99.1	99.4	99.5	99.5	99.7	99.8	99.8	99.9
≥200	96.1	96.8	98.0	96.3	97.0	97.6	98.5	99.1	99.1	99.4	99.5	99.5	99.7	99.8	99.9	99.9
<200	96.1	96.8	98.0	96.3	97.0	97.6	98.5	99.1	99.1	99.4	99.5	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7300

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~CHICAGO, MIDWAY IAP, IL~~ 74-83 ~~06Z~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0300-0200~~

VISIBILITY, STATUTE MILES

CEILING, FEET	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
22000+	43.7	51.3	52.5	53.5	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2
20000	44.4	53.5	54.8	55.9	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6
18000	44.4	53.5	54.8	55.9	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6
16000	44.4	53.5	54.8	55.9	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6
14000	44.1	53.9	55.2	56.2	56.9	56.8	56.9	56.9	56.9	56.9	56.9	56.9
12000	44.6	54.9	56.2	57.3	57.9	57.8	58.0	58.0	58.0	58.0	58.0	58.0
10000	47.9	58.7	60.3	61.4	61.9	61.9	62.1	62.0	62.0	62.0	62.0	62.0
9000	50.1	61.8	63.4	64.5	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2
8000	54.5	66.0	67.6	68.7	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4
7000	55.4	67.5	69.1	70.2	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
6000	57.5	69.2	71.1	72.3	72.9	72.8	72.9	72.9	72.9	72.9	72.9	72.9
5000	60.1	72.2	74.1	75.3	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
4500	61.4	73.9	75.7	77.1	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7
4000	61.6	74.1	75.9	77.3	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0
3500	64.2	77.5	79.4	81.0	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
3000	66.1	79.1	81.2	83.2	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
2500	66.2	82.9	85.1	86.6	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2
2000	66.0	84.1	86.5	88.1	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
1800	66.4	84.6	86.8	88.5	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
1600	66.6	86.2	88.4	90.1	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
1400	71.3	87.1	89.4	91.1	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
1200	71.2	88.9	91.5	93.8	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6
1000	72.0	89.1	91.8	94.3	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4
900	72.2	89.4	92.6	94.9	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
800	72.2	89.9	92.9	95.1	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2
700	72.3	90.0	93.2	96.5	97.5	97.5	98.1	98.1	98.1	98.1	98.1	98.1
600	72.4	90.2	93.4	96.8	97.8	97.8	98.4	98.4	98.5	98.5	98.5	98.5
500	72.4	90.2	93.5	97.0	98.2	98.3	99.0		99.0	99.2	99.2	99.2
400	72.4	90.2	93.5	97.0	98.2	98.3	99.1	99.4	99.4	99.7	99.7	99.7
300	72.4	90.2	93.5	97.0	98.2	98.3	99.1	99.4	99.4	99.7	99.7	99.7
200	72.4	90.2	93.5	97.0	98.2	98.3	99.1	99.4	99.4	99.7	99.7	99.7
100	72.4	90.2	93.5	97.0	98.2	98.3	99.1	99.4	99.4	99.7	99.7	99.7
0	72.4	90.2	93.5	97.0	98.2	98.3	99.1	99.4	99.4	99.7	99.7	99.7

CEILING, FEET	≥0
22000+	54.2
20000	56.6
18000	56.6
16000	56.6
14000	56.9
12000	58.0
10000	62.0
9000	65.2
8000	69.4
7000	70.9
6000	72.9
5000	75.9
4500	77.7
4000	78.0
3500	81.6
3000	83.9
2500	87.2
2000	88.8
1800	89.2
1600	90.9
1400	91.8
1200	94.6
1000	95.4
900	96.0
800	97.2
700	98.1
600	98.5
500	99.2
400	99.4
300	99.7
200	99.7
100	100.0
0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...SAFETAC
A... FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3.0 CHICAGO-O'HARE IAP IL 74-83 ~~0600-0900~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¼	≥1	≥¾	≥½	≥¼	≥0	5/16	≥¼	0
...000	42.1	5..4	51.9	53.4	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.6
2000	43.4	52.4	53.7	55.2	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3
1800 1700	43.4	52.4	53.7	55.2	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3
1600 1500	43.4	52.4	53.7	55.2	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3
1400 1300	44.1	52.4	54.2	55.7	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.9
1200 1100	44.3	53.3	54.6	56.1	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.3
1000 900	46.1	56.2	57.5	59.2	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.2
800 700	47.1	57.5	58.8	60.3	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.5
600 500	59.4	60.4	61.9	63.7	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.8
450 400	62.4	62.6	64.1	65.8	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	67.0
350 300	63.1	64.6	66.2	68.1	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.2
250 200	67.4	68.6	70.8	72.6	73.4	73.4	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.9
150 100	70.0	71.9	73.9	75.7	76.6	76.6	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	77.0
0	72.1	74.0	76.0	77.8	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	79.1
	74.4	76.6	78.8	78.6	79.5	79.5	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.9
	76.2	78.7	81.0	83.0	81.7	81.7	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.2
	78.2	80.9	83.3	85.1	84.0	84.0	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.4
	80.3	83.1	85.4	87.9	85.9	85.9	85.9	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.3
800	80.5	83.7	85.6	87.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	87.0
700	82.1	85.1	87.3	89.1	88.1	88.1	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.5
600	83.8	86.9	88.9	90.8	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.6
500	85.1	88.5	91.1	92.8	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	93.0
450	85.6	89.7	91.7	93.0	93.3	93.4	93.4	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.9
400	86.5	89.8	93.1	94.6	94.7	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.4
350	86.7	90.3	93.5	94.8	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.9
300	86.8	90.5	93.7	95.1	96.1	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.8
250	87.0	9 .8	94.8	96.2	96.7	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.4
200	87.0	90.8	95.3	96.8	97.3	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.8
150	87.0	90.9	95.4	97.0	97.6	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.4
100	87.1	90.8	95.4	97.0	97.6	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	99.0	99.6
50	87.0	90.8	95.4	97.0	97.6	98.5	98.5	98.5	98.5	98.8	98.9	98.9	99.0	99.0	99.2	100.0
0	87.0	90.8	95.4	97.0	97.6	98.5	98.5	98.5	98.5	98.8	98.9	98.9	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS ~~0300~~

USAF ETAC ...64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~1 NOV 60~~ ~~CHICAGO O'HARE INTL AP IL~~ ~~24-83~~ ~~YEARS~~ ~~1967~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0600-0800~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
~~UNLIMITED~~	42.1	42.6	45.3	47.8	48.9	48.9	49.4	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.0	50.0
~~22000~~	~~42.0~~	~~45.6~~	~~48.4~~	~~51.4~~	~~52.4~~	~~52.5~~	~~52.9~~	~~53.3~~	~~53.3~~	~~53.3~~	~~53.3~~	~~53.3~~	~~53.4~~	~~53.4~~	~~53.5~~	~~53.5~~
12000	42.0	45.6	48.0	51.4	52.4	52.5	52.9	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.5	53.5
~~10000~~	~~42.0~~	~~45.6~~	~~48.0~~	~~51.4~~	~~52.4~~	~~52.5~~	~~52.9~~	~~53.3~~	~~53.3~~	~~53.3~~	~~53.3~~	~~53.3~~	~~53.4~~	~~53.4~~	~~53.5~~	~~53.5~~
9000	42.2	45.7	48.1	51.5	52.5	52.6	53.0	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.7	53.7
~~8000~~	~~43.2~~	~~47.6~~	~~51.1~~	~~53.7~~	~~54.9~~	~~55.1~~	~~55.5~~	~~55.9~~	~~55.9~~	~~56.0~~	~~55.9~~	~~55.9~~	~~56.0~~	~~56.0~~	~~56.1~~	~~56.1~~
7000	43.1	50.1	53.8	56.5	57.7	57.8	58.3	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.9	58.9
~~6000~~	~~46.1~~	~~52.4~~	~~56.2~~	~~58.7~~	~~60.0~~	~~60.1~~	~~60.5~~	~~61.1~~	~~61.1~~	~~61.1~~	~~61.1~~	~~61.1~~	~~61.2~~	~~61.2~~	~~61.3~~	~~61.3~~
5000	50.1	56.5	60.2	63.1	64.4	64.5	64.9	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.8	65.8
~~4500~~	~~52.1~~	~~59.9~~	~~62.7~~	~~65.6~~	~~66.9~~	~~67.0~~	~~67.4~~	~~68.1~~	~~68.1~~	~~68.1~~	~~68.1~~	~~68.1~~	~~68.2~~	~~68.2~~	~~68.3~~	~~68.3~~
4400	42.1	59.8	63.5	66.6	67.8	68.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.2	69.2
~~4000~~	~~44.1~~	~~62.4~~	~~66.3~~	~~69.4~~	~~70.6~~	~~70.8~~	~~71.2~~	~~71.8~~	~~71.8~~	~~71.8~~	~~71.8~~	~~71.8~~	~~71.9~~	~~71.9~~	~~72.0~~	~~72.0~~
3500	47.1	65.2	69.1	72.7	74.0	74.1	74.6	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.5	75.5
~~3000~~	~~47.1~~	~~65.4~~	~~69.4~~	~~72.9~~	~~74.2~~	~~74.3~~	~~74.8~~	~~75.5~~	~~75.5~~	~~75.5~~	~~75.5~~	~~75.5~~	~~75.6~~	~~75.6~~	~~75.7~~	~~75.7~~
2500	48.9	67.2	71.2	74.7	76.0	76.1	76.7	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.5	77.5
~~2400~~	~~51.5~~	~~71.1~~	~~74.2~~	~~77.1~~	~~79.0~~	~~79.2~~	~~79.8~~	~~80.4~~	~~80.4~~	~~80.4~~	~~80.4~~	~~80.4~~	~~80.5~~	~~80.5~~	~~80.6~~	~~80.6~~
2300	53.5	72.6	76.9	81.5	81.8	82.1	82.6	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.5	83.5
~~2200~~	~~54.1~~	~~74.3~~	~~78.6~~	~~82.4~~	~~83.8~~	~~84.1~~	~~84.5~~	~~85.3~~	~~85.3~~	~~85.3~~	~~85.3~~	~~85.3~~	~~85.4~~	~~85.4~~	~~85.5~~	~~85.5~~
2100	55.2	74.6	79.0	82.9	84.3	84.5	85.1	85.8	85.8	85.8	85.8	85.8	85.9	85.9	86.0	86.0
~~2000~~	~~56.2~~	~~76.2~~	~~80.6~~	~~84.5~~	~~86.0~~	~~86.2~~	~~86.8~~	~~87.5~~	~~87.5~~	~~87.5~~	~~87.5~~	~~87.5~~	~~87.6~~	~~87.6~~	~~87.7~~	~~87.7~~
1900	56.1	77.2	81.6	85.8	87.3	87.7	88.3	89.1	89.0	89.0	89.0	89.0	89.1	89.1	89.2	89.2
~~1800~~	~~57.2~~	~~78.1~~	~~82.7~~	~~87.4~~	~~88.9~~	~~89.4~~	~~89.9~~	~~90.6~~	~~90.6~~	~~90.6~~	~~90.6~~	~~90.6~~	~~90.8~~	~~90.8~~	~~90.9~~	~~90.9~~
1700	57.3	78.6	83.5	88.7	90.5	91.1	91.6	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.6	92.6
~~1600~~	~~57.4~~	~~78.8~~	~~84.1~~	~~89.6~~	~~91.5~~	~~92.0~~	~~92.7~~	~~93.5~~	~~93.5~~	~~93.7~~	~~93.7~~	~~93.7~~	~~93.8~~	~~93.8~~	~~93.9~~	~~94.0~~
1500	57.4	79.1	84.4	89.9	91.8	92.4	93.4	94.5	94.5	94.6	94.6	94.6	94.7	94.7	94.8	94.9
~~1400~~	~~57.4~~	~~79.4~~	~~84.9~~	~~90.6~~	~~93.1~~	~~94.1~~	~~95.4~~	~~96.8~~	~~96.8~~	~~96.9~~	~~96.9~~	~~96.9~~	~~97.0~~	~~97.0~~	~~97.1~~	~~97.2~~
1300	57.4	79.5	84.9	90.9	93.1	94.3	95.6	97.2	97.2	97.4	97.4	97.4	97.5	97.5	97.6	97.7
~~1200~~	~~57.4~~	~~79.5~~	~~84.9~~	~~91.0~~	~~93.2~~	~~94.4~~	~~95.8~~	~~97.4~~	~~97.6~~	~~98.0~~	~~98.0~~	~~98.0~~	~~98.1~~	~~98.1~~	~~98.2~~	~~98.3~~
1100	57.4	79.5	84.9	91.0	93.3	94.5	95.9	97.8	97.8	98.2	98.3	98.3	98.5	98.5	98.6	98.8
~~1000~~	~~57.4~~	~~79.5~~	~~84.9~~	~~91.0~~	~~93.3~~	~~94.5~~	~~95.9~~	~~97.8~~	~~98.0~~	~~98.3~~	~~98.4~~	~~98.4~~	~~98.7~~	~~98.8~~	~~99.1~~	~~99.5~~
900	57.4	79.5	84.9	91.0	93.3	94.5	95.9	97.8	98.0	98.3	98.4	98.4	98.8	98.9	99.4	99.9
~~800~~	~~57.4~~	~~79.5~~	~~84.9~~	~~91.0~~	~~93.3~~	~~94.5~~	~~95.9~~	~~97.8~~	~~98.0~~	~~98.3~~	~~98.4~~	~~98.4~~	~~98.8~~	~~98.9~~	~~99.4~~	~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC ~~1 NOV 64~~ 0-14-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~23 WBAN~~ 0 CHICAGO-O'HARE IAP IL STATION NAME 74-83 YEARS ~~OCT~~ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~00-0100~~ HOUR

CEILING FEET	VISIBILITY STATUTE MILES ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
≥ UNLIM	31.3	47.4	48.4	49.1	5 .2	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
20000'	31.5	51.3	53.1	54.0	55.4	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
15000	31.5	51.3	53.1	54.1	55.5	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
10000	31.5	51.9	53.1	54.1	55.5	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
8000	38.7	52.2	53.3	54.3	55.7	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
7000	39.0	53.1	54.2	55.2	56.9	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
6000	41.9	55.7	57.1	58.0	59.7	59.9	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
5000	43.1	5 .4	59.7	60.6	62.5	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
4500	44.1	61.2	62.5	63.7	65.6	65.8	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
4000	45.1	62.2	63.4	64.6	66.6	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
3500	46.3	62.9	64.2	65.4	67.3	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
3000	46.8	56.1	67.7	68.9	7 .9	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2500	70.2	67.6	69.2	70.4	72.6	72.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2000	72.4	6 .2	69.8	71.0	73.1	73.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
1800	72.7	6 .9	71.6	72.8	74.9	75.2	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
1500	74.1	71.8	73.5	74.7	76.9	77.1	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1200	77.4	78.2	8 .0	81.3	83.4	83.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1000	81.6	81.0	82.8	84.1	86.2	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
900	.7	82.2	4.1	85.4	87.5	87.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
800	84.4	84.7	86.9	88.2	90.3	90.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
700	84.5	85.5	87.7	89.5	91.8	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
600	84.7	85.8	88.3	9 .1	92.7	92.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
500	84.1	86.6	89.0	91.0	93.8	94.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
400	84.1	86.8	89.4	91.4	94.3	94.7	96.2	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
300	84.1	86.8	89.4	91.4	94.3	94.9	96.6	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3
200	84.1	87.1	89.6	91.8	94.7	95.9	97.6	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
100	84.1	87.1	89.6	91.8	94.7	96.0	97.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2
000	84.1	87.1	89.6	91.8	94.7	96.0	97.8	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.9
0	84.1	7.0	89.6	91.8	94.7	96.0	97.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	100.0
0	84.1	87.1	89.6	91.8	94.7	96.0	97.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	100.0
0	84.1	87.1	89.6	91.8	94.7	96.0	97.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	100.0
0	84.1	87.1	89.6	91.8	94.7	96.0	97.8	99.2	99.2	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~1 Jan 0~~ ~~CHICAGO, MIDWAY AIRPORT, IL~~ ~~74-83~~ YEARS ~~0647~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1490~~

VISIBILITY STATUTE MILES

CEILING FEET	≥10	10	9	8	7	6	5	4	3½	3	2½	2	1½	1 5/16	1	½
~~22000~~	~~42.9~~	~~45.1~~	~~47.1~~	~~47.5~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~	~~47.7~~
22000	~~49.3~~	~~54.2~~	~~54.9~~	~~55.8~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~
~~18000~~	~~49.3~~	~~54.2~~	~~54.9~~	~~55.8~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~
18000	49.3	54.2	54.9	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
~~14000~~	~~49.3~~	~~54.2~~	~~54.9~~	~~55.8~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~	~~56.1~~
14000	49.3	54.2	54.9	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
~~10000~~	~~49.1~~	~~55.5~~	~~56.2~~	~~57.1~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~	~~57.4~~
10000	51.4	56.4	57.2	58.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
~~9000~~	~~53.4~~	~~60.5~~	~~61.4~~	~~62.4~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~	~~62.9~~
9000	55.2	62.9	63.8	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
~~8000~~	~~55.6~~	~~63.4~~	~~64.4~~	~~65.5~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~	~~66.0~~
8000	56.1	64.1	65.2	66.2	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
~~7000~~	~~57.8~~	~~66.2~~	~~67.4~~	~~68.5~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~
7000	58.4	69.5	70.6	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
~~6000~~	~~61.1~~	~~70.5~~	~~71.7~~	~~72.8~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~	~~73.3~~
6000	64.4	74.8	76.0	76.9	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
~~5000~~	~~66.1~~	~~76.7~~	~~78.0~~	~~81.1~~	~~81.6~~	~~81.6~~	~~81.6~~	~~81.6~~	~~81.7~~	~~81.7~~	~~81.7~~	~~81.7~~	~~81.7~~	~~81.7~~	~~81.7~~	~~81.7~~
5000	72.8	84.4	85.8	87.1	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
~~4500~~	~~74.1~~	~~86.2~~	~~87.8~~	~~89.1~~	~~89.6~~	~~89.6~~	~~89.6~~	~~89.7~~	~~89.7~~	~~89.7~~	~~89.7~~	~~89.7~~	~~89.7~~	~~89.7~~	~~89.7~~	~~89.7~~
4500	74.5	86.9	88.7	89.9	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
~~4000~~	~~75.6~~	~~89.1~~	~~91.2~~	~~92.4~~	~~92.9~~	~~93.0~~	~~93.1~~	~~93.2~~	~~93.2~~	~~93.2~~	~~93.2~~	~~93.2~~	~~93.2~~	~~93.2~~	~~93.2~~	~~93.2~~
4000	76.1	90.3	92.5	94.1	94.7	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
~~3500~~	~~76.1~~	~~90.9~~	~~93.2~~	~~94.8~~	~~95.3~~	~~96.2~~	~~97.1~~	~~97.3~~	~~97.3~~	~~97.4~~	~~97.5~~	~~97.5~~	~~97.5~~	~~97.5~~	~~97.5~~	~~97.5~~
3500	76.2	91.3	93.7	95.3	96.1	96.8	97.6	97.8	97.8	98.7	98.1	98.1	98.1	98.1	98.1	98.1
~~3000~~	~~76.3~~	~~91.4~~	~~93.8~~	~~95.4~~	~~96.2~~	~~96.9~~	~~97.8~~	~~98.1~~	~~98.1~~	~~98.2~~	~~98.3~~	~~98.3~~	~~98.3~~	~~98.3~~	~~98.3~~	~~98.3~~
3000	76.1	91.6	94.1	95.7	96.7	97.5	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
~~2500~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.6~~	~~99.6~~	~~99.7~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~	~~99.8~~
2500	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~2200~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
2200	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~2000~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
2000	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~1800~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
1800	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~1600~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
1600	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~1400~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
1400	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~1200~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
1200	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~1000~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
1000	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~900~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
900	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~800~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
800	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~700~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
700	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~600~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
600	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~500~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
500	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~400~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
400	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~300~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
300	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~200~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
200	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
~~100~~	~~76.3~~	~~91.7~~	~~94.2~~	~~95.8~~	~~96.9~~	~~98.1~~	~~99.1~~	~~99.7~~	~~99.7~~	~~99.9~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~	~~100.0~~
100	76.3	91.7	94.2	95.8	96.9	98.1	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

~~TOTAL NUMBER OF OBSERVATIONS~~ ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL IMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-3 O CHICAGO/MIDWAY IAP IL 74-83 YEARS 063

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	0	ALL
12000	43.1	47.3	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
10000	54.4	54.4	55.2	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
8000	54.4	54.4	55.3	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
7000	54.4	54.4	55.5	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
6000	54.9	54.9	55.8	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
5000	56.5	56.9	57.7	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
4500	58.1	60.8	61.8	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
4000	62.3	62.9	64.2	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
3500	65.1	65.4	66.7	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
3000	66.5	67.1	68.4	69.2	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
2500	67.6	68.3	69.7	70.6	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2000	72.4	73.5	72.0	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
1500	73.3	73.9	75.5	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
1000	76.2	76.8	76.5	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
800	79.5	79.0	80.6	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
600	81.4	81.9	83.5	84.9	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
500	85.1	86.1	87.7	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
400	85.8	87.2	89.0	90.6	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
300	86.0	87.5	89.5	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
200	86.7	88.4	90.5	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
100	87.5	90.1	92.0	94.5	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0	88.1	91.0	93.1	95.7	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
M	89.0	91.2	93.4	96.2	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
B	89.2	91.3	93.7	96.5	97.4	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
7000	89.2	91.3	93.7	96.5	97.4	97.8	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6
6000	89.2	91.3	93.7	96.5	97.7	98.2	98.9	99.4	99.4	99.9	99.9	99.9	99.9	99.9
5000	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
4000	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
3000	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
2000	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
1000	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
800	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
600	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
500	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
400	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
300	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
200	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
100	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0
0	89.2	91.3	93.8	96.6	97.8	98.3	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

CHICAGO-O'HARE INTERNATIONAL, IL — 14-81 — 1960-1969

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0	≥0	≥0
12000	46.1	5 .1	5 .9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
10000	46.9	54.9	55.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
8000	46.9	54.9	55.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
7000	46.9	54.9	55.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
6000	46.9	54.9	55.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
5000	5 .1	5 .0	57.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
4500	4.7	6 .6	62.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
4000	54.3	62.8	64.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
3500	.6	67.1	68.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
3000	1.1	72.8	70.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
2500	2.3	7 .2	71.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2000	5.4	73.4	74.9	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
1500	6 .4	76.9	78.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
1000	6 .7	77.2	78.8	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
900	71.8	81.0	82.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
800	73.2	83.1	84.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
700	75.3	86.2	88.1	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
600	76.3	87.6	89.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
500	77.7	88.3	90.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
400	78.1	89.4	91.4	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
300	77.4	9 .3	92.5	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
200	7 .6	9 .5	92.8	95.6	95.9	95.9	96.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
100	77.6	90.8	93.2	96.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0	78.8	90.9	93.5	96.8	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	77.6	90.9	93.9	97.0	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	78.3	91.1	93.8	97.4	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	77.7	91.1	94.1	97.7	98.6	98.6	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	78.3	91.2	94.1	97.8	98.7	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	78.7	91.2	94.1	97.8	98.7	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	78.3	91.2	94.1	97.8	98.7	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	78.7	91.2	94.1	97.8	98.7	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	78.3	91.2	94.1	97.8	98.7	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] [illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]3[illegible]0 CHICAGO-O'HARE IAP IL — STATION NAME — 74-83 YEARS — OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-2300 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥5/16	≥¼	≥0
[illegible]	4[illegible].1	[illegible]3.4	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
[illegible]	4[illegible].9	56.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
[illegible]	4[illegible].9	56.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
[illegible]	[illegible].9	56.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
[illegible]	4[illegible].9	56.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
[illegible]	[illegible].4	57.4	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
[illegible]	[illegible]4.2	62.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
[illegible]	[illegible]5.5	64.2	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
[illegible]	5[illegible].8	67.1	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
[illegible]	5[illegible].9	68.7	7[illegible]	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
[illegible]	[illegible].6	70.5	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
[illegible]	[illegible]3.3	73.7	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
[illegible]	[illegible]6.2	76.9	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
[illegible]	[illegible]6.2	77.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
[illegible]	6[illegible]	79.0	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
[illegible]	[illegible].1	81.8	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
[illegible]	77.4	86.[illegible]	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
[illegible]	74.1	87.4	88.8	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
[illegible]	74.6	[illegible]8.1	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
[illegible]	75.5	89.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
[illegible]	76.3	9[illegible].5	92.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
[illegible]	76.3	9[illegible].8	93.8	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
[illegible]	76.3	90.8	93.8	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
[illegible]	76.3	91.2	94.4	96.6	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
[illegible]	76.3	91.3	94.5	96.8	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
[illegible]	76.3	91.4	94.8	97.2	97.7	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
500	76.5	91.6	95.2	97.5	98.2	98.4	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
400	76.5	91.6	95.4	97.8	98.6	98.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	76.5	91.6	95.4	97.8	98.6	98.9	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
200	76.5	91.6	95.4	97.8	98.6	98.9	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	76.5	91.6	95.4	97.8	98.6	98.9	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	76.5	91.6	95.4	97.8	98.6	98.9	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

AL CLIMATOLOGY BRANCH
ETAC
AT FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

CHICAGO-O'HARE INTL AIRPORT, IL 74-83 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
UNLIMITED 20000	41.1	48.7	49.8	50.8	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
15000	44.1	52.9	54.3	55.4	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2
10000	44.1	52.9	54.3	55.4	55.9	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
9000	44.1	52.9	54.3	55.4	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3
8000	44.1	53.1	54.5	55.6	56.1	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
7000	44.6	54.1	55.7	56.8	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
6000	45.5	57.9	59.4	60.6	61.2	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
5000	46.0	60.1	61.7	62.9	63.5	63.6	63.8	63.8	63.8	63.9	63.8	63.9	63.9	63.9	63.9	63.9
4500	52.4	63.3	65.0	66.3	67.1	67.3	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
4000	53.1	64.9	66.6	67.9	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
3500	56.1	66.2	67.9	69.3	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
3000	57.6	69.2	71.1	72.5	73.1	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
2500	59.9	72.1	73.8	75.4	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5
2000	60.2	72.4	74.3	75.8	76.4	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
1800	62.7	75.4	77.3	78.9	79.6	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1600	64.4	78.0	80.0	81.6	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8
1400	69.1	81.9	84.1	85.7	86.5	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
1200	69.7	83.5	85.8	87.5	88.3	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1000	69.6	84.1	86.4	88.3	89.1	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5
900	70.1	85.8	88.2	90.1	91.0	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
800	71.1	86.9	89.4	91.6	92.5	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
700	71.6	87.6	90.5	93.0	94.0	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
600	71.7	88.1	90.9	93.6	94.7	95.0	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
500	71.8	88.3	91.4	94.3	95.5	95.8	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.7
400	71.8	88.4	91.6	94.6	95.9	96.3	96.8	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3
300	71.8	88.6	91.8	95.0	96.5	97.0	97.8	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
200	71.8	88.7	92.1	95.2	96.7	97.3	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.0
100	71.8	88.7	92.1	95.4	96.9	97.5	98.3	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.5
0	71.8	88.7	92.1	95.4	96.9	97.6	98.5	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7
	71.8	88.7	92.0	95.4	96.9	97.6	98.5	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.8
	71.8	88.7	92.0	95.4	96.9	97.6	98.5	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.8	100.0
	71.8	88.7	92.0	95.4	96.9	97.6	98.5	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~STATION~~ CHICAGO-O'HARE IAP IL ~~STATION NAME~~ 74-83 ~~YEARS~~ ~~MONTH~~ NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~HOUR~~ ~~0000-0200~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	25/16	≥¼	20
22000+	34.0	38.8	39.3	40.8	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
20000	37.8	42.7	43.6	45.1	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
18000	37.8	42.7	43.6	45.1	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
16000	37.8	42.7	43.6	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
14000	37.8	42.8	43.7	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
12000	37.8	43.1	44.1	46.4	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
10000	41.3	45.6	46.9	48.4	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
9000	42.1	46.3	47.7	51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
8000	44.2	50.3	51.7	53.4	53.4	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
7000	45.1	51.2	52.6	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
6000	45.7	52.2	53.6	55.4	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
5000	46.8	55.7	57.1	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
4500	50.3	57.2	58.8	61.1	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
4000	50.3	57.2	59.0	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
3500	58.2	60.4	62.4	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
3000	55.3	62.9	64.8	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2500	57.6	68.3	70.6	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2000	61.1	71.4	74.1	76.6	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
1800	62.7	72.7	75.2	78.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1600	64.8	74.6	78.3	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1
1400	65.9	77.3	81.2	84.1	84.2	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
1200	66.3	79.4	83.7	87.9	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6
1000	66.3	81.0	85.0	89.6	89.8	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4
900	66.3	81.1	85.0	91.0	91.3	91.6	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2
800	66.4	82.1	87.2	93.3	94.2	94.7	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4
700	66.4	82.4	87.9	94.9	95.9	96.6	97.3	97.6	97.6	97.7	97.7	97.7	97.9	97.9	97.9	97.9
600	66.4	82.6	88.1	95.1	96.1	97.0	97.8	98.0	98.0	98.1	98.1	98.1	98.4	98.4	98.4	98.4
500	66.4	82.6	88.1	95.1	96.1	97.0	97.8	98.1	98.1	98.4	98.4	98.4	98.8	98.8	98.8	98.8
400	66.4	82.6	88.1	95.1	96.1	97.0	98.0	98.2	98.2	98.6	98.6	98.6	98.9	99.1	99.1	99.1
300	66.4	82.6	88.1	95.1	96.1	97.0	98.0	98.2	98.2	98.6	99.0	99.0	99.4	99.9	99.9	99.9
200	66.4	82.6	88.1	95.1	96.1	97.0	98.0	98.2	98.2	98.7	99.1	99.1	99.6	100.0	100.0	100.0
100	66.4	82.6	88.1	95.1	96.1	97.0	98.0	98.2	98.2	98.7	99.1	99.1	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~000~~

...L CLIMATOLOGY BRANCH
...SET C
AT... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~13 Nov 0~~ ~~CHICAGO-O'HARE INTL AP, IL~~ ~~74-83~~ YEARS ~~ANNUAL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0300-0500~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	
~~ALL~~ ~~CEILINGS~~	32.3	3 .6	39.4	41.7	41.7	41.1	41.1	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
~~≥ 20000~~	~~64.1~~	~~41.2~~	~~42.1~~	~~43.3~~	~~43.3~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~
≥ 10000	34.1	41.1	42.0	43.3	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
~~≥ 8000~~	~~34.1~~	~~41.1~~	~~42.0~~	~~43.3~~	~~43.3~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~
≥ 6000	34.1	41.1	42.1	43.3	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
~~≥ 5000~~	~~34.1~~	~~41.1~~	~~42.1~~	~~43.3~~	~~43.3~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~	~~43.8~~
≥ 4500	34.1	41.6	42.4	43.8	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
~~≥ 4000~~	~~34.7~~	~~43.4~~	~~44.4~~	~~45.8~~	~~45.8~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~	~~46.2~~
≥ 3500	35.0	45.4	47.0	48.4	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
~~≥ 3000~~	~~40.1~~	~~4 .3~~	~~49.4~~	~~51.2~~	~~51.2~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~	~~51.7~~
≥ 2500	41.1	5..1	51.3	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
~~≥ 2200~~	~~42.1~~	~~5 .6~~	~~51.8~~	~~53.6~~	~~53.6~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~
≥ 2000	41.2	55.6	56.9	58.7	58.7	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
~~≥ 1800~~	~~47.3~~	~~57.1~~	~~58.4~~	~~60.2~~	~~60.2~~	~~60.7~~	~~60.7~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~	~~60.8~~
≥ 1600	47.8	57.6	58.9	60.8	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
~~≥ 1400~~	~~5..1~~	~~61.0~~	~~62.8~~	~~64.7~~	~~64.7~~	~~65.1~~	~~65.1~~	~~65.2~~	~~65.2~~	~~65.2~~	~~65.2~~	~~65.2~~	~~65.2~~	~~65.2~~	~~65.2~~	~~65.2~~
≥ 1200	51.4	63.1	64.9	66.8	66.8	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
~~≥ 1000~~	~~5.6~~	~~66.2~~	~~70.6~~	~~72.8~~	~~73.0~~	~~73.4~~	~~73.4~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~	~~73.7~~
≥ 900	51.8	71.1	73.1	76.1	76.3	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
~~≥ 800~~	~~5..6~~	~~72.6~~	~~75.2~~	~~77.7~~	~~77.9~~	~~78.4~~	~~78.4~~	~~78.7~~	~~78.7~~	~~78.7~~	~~78.7~~	~~78.7~~	~~78.7~~	~~78.7~~	~~78.7~~	~~78.7~~
≥ 700	52.2	74.1	76.8	79.8	8..0	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
~~≥ 600~~	~~1.0~~	~~76.8~~	~~79.4~~	~~83.0~~	~~83.2~~	~~83.9~~	~~83.9~~	~~84.3~~	~~84.3~~	~~84.3~~	~~84.3~~	~~84.3~~	~~84.3~~	~~84.3~~	~~84.3~~	~~84.3~~
≥ 500	51.4	78.1	81.7	86.1	86.2	86.9	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
~~≥ 400~~	~~51.3~~	~~79.0~~	~~82.1~~	~~86.1~~	~~86.9~~	~~87.7~~	~~87.8~~	~~88.3~~	~~88.3~~	~~88.3~~	~~88.3~~	~~88.3~~	~~88.3~~	~~88.3~~	~~88.3~~	~~88.3~~
≥ 300	51.4	79.1	83.1	87.6	88.1	89.4	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
~~≥ 200~~	~~52.1~~	~~79.9~~	~~83.9~~	~~89.4~~	~~9..6~~	~~91.3~~	~~91.8~~	~~92.3~~	~~92.3~~	~~92.3~~	~~92.3~~	~~92.3~~	~~92.4~~	~~92.4~~	~~92.4~~	~~92.4~~
≥ 100	52.1	80.2	84.1	91.2	92.1	93.2	94.9	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
~~≥ 90~~	~~52.2~~	~~80.7~~	~~85.0~~	~~92.2~~	~~93.3~~	~~94.4~~	~~96.2~~	~~96.9~~	~~96.9~~	~~97.1~~	~~97.1~~	~~97.1~~	~~97.3~~	~~97.3~~	~~97.3~~	~~97.3~~
≥ 80	52.2	80.8	85.1	92.6	94.1	95.4	97.5	98.0	98.0	98.2	98.2	98.2	98.4	98.4	98.4	98.4
~~≥ 70~~	~~52.2~~	~~8..8~~	~~85.2~~	~~92.8~~	~~94.3~~	~~95.7~~	~~97.8~~	~~98.4~~	~~98.4~~	~~98.7~~	~~98.7~~	~~98.7~~	~~99.0~~	~~99.0~~	~~99.0~~	~~99.0~~
≥ 60	52.2	8..8	85.2	92.8	94.3	95.7	97.9	98.6	98.6	99.0	99.2	99.2	99.6	99.6	99.6	99.6
~~≥ 50~~	~~52.2~~	~~80.8~~	~~85.2~~	~~92.8~~	~~94.3~~	~~95.7~~	~~97.9~~	~~98.7~~	~~98.7~~	~~99.0~~	~~99.4~~	~~99.4~~	~~99.8~~	~~99.9~~	~~99.9~~	~~99.9~~
≥ 40	52.2	80.8	85.2	92.8	94.3	95.7	97.9	98.7	98.7	99.0	99.4	99.4	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L AL CLIMATOLOGY BRANCH
AFETAC
A ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...3WC CHICAGO-O'HARE IAP IL 74-83 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	3 1/2	3	2 1/2	2	1 3/4	1 1/2	1 1/4	1	7/8	3/4	5/8	1/2	3/8	1/4	1/8	0
12000	37.2	34.3	36.1	37.7	37.8	38.1	38.4	36.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
10000	37.2	37.3	39.2	40.9	41.0	41.2	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
8000	37.2	37.3	39.2	40.9	41.0	41.2	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
6000	37.2	37.3	39.2	40.9	41.0	41.2	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
5000	37.2	37.7	39.7	41.5	41.4	41.7	42.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
4500	38.3	38.7	40.7	42.3	42.4	42.7	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
4000	41.1	41.1	42.3	44.1	44.2	44.4	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
3500	43.0	43.2	44.0	45.8	45.9	46.1	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
3000	47.2	44.8	47.2	49.3	49.4	49.7	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
2500	48.1	46.0	48.4	50.7	50.8	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
2000	48.2	46.4	49.1	51.2	51.3	51.6	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
1800	48.8	46.4	51.2	53.8	53.9	54.1	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1600	49.9	50.0	52.9	55.9	56.2	56.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
1400	50.4	50.6	53.6	56.7	57.0	57.2	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
1200	52.1	52.7	55.0	59.3	59.8	60.0	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
1000	53.4	55.7	59.1	62.9	63.4	63.6	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
900	67.4	65.8	68.3	68.3	68.8	69.2	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
800	70.2	68.2	71.1	73.4	73.6	74.1	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
700	71.2	66.4	70.2	74.6	75.1	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
600	73.4	69.2	73.2	78.0	78.6	79.1	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
500	74.7	71.8	75.1	80.4	81.0	81.7	82.4	82.3	82.8	83.0	83.0	83.0	83.0	83.0	83.0	93.0
400	75.4	72.2	77.1	82.7	83.2	83.9	84.9	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
300	55.1	73.2	78.3	84.7	85.3	86.1	87.0	87.7	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0
250	55.1	73.8	79.4	86.1	86.8	87.4	88.9	89.6	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1
200	54.1	74.8	80.7	88.1	89.0	89.7	91.7	92.3	92.3	92.8	92.9	92.9	92.9	92.9	92.9	92.9
150	54.2	75.2	81.3	89.6	91.0	92.0	94.3	95.0	95.0	95.4	95.6	95.6	95.7	95.7	95.7	95.7
100	54.2	75.2	81.3	89.8	91.6	92.9	95.3	96.3	96.3	97.0	97.1	97.1	97.2	97.2	97.3	97.3
050	54.2	75.2	81.4	90.1	92.1	93.6	96.1	97.6	97.6	98.6	98.8	98.8	99.0	99.0	99.1	99.1
000	54.2	75.2	81.4	90.1	92.1	93.6	96.1	97.7	97.7	98.7	99.0	99.0	99.2	99.3	99.4	99.4
	54.2	75.2	81.4	90.1	92.1	93.6	96.1	97.7	97.7	98.7	99.0	99.0	99.2	99.4	99.6	99.7
	54.2	75.2	81.4	90.1	92.1	93.6	96.1	97.7	97.7	98.7	99.0	99.0	99.2	99.4	99.6	99.8
	54.2	75.2	81.4	90.1	92.1	93.6	96.1	97.7	97.7	98.7	99.0	99.0	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
...FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...CHICAGO-O'HARE INTL AP IL — 74-83 — NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

...0500-1100

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES) 10	6	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0
...0	33.4	34.1	36.0	36.4	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
...1	37.4	39.8	41.1	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2	38.4	39.9	41.1	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
...3	38.9	41.1	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
3	40.4	41.7	42.1	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
...4	42.1	43.3	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
4	44.2	45.6	46.1	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
...5	45.7	47.2	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
5	47.8	49.3	49.9	49.9	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
...6	48.2	49.6	50.1	50.7	50.7	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
6	48.6	49.9	51.6	51.1	51.1	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
...7	49.7	51.0	52.0	52.4	52.6	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
7	49.6	52.1	54.1	55.1	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
...8	50.4	52.9	55.0	56.0	56.0	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
8	51.3	54.4	56.9	58.0	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
...9	54.4	57.3	59.8	60.9	60.9	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
9	56.8	59.4	62.1	63.4	63.4	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
...10	57.1	59.8	62.7	64.1	64.1	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
10	57.8	60.5	63.4	64.8	64.8	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
...11	58.0	60.8	63.7	65.1	65.1	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
11	58.2	61.0	63.9	65.3	65.3	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
...12	58.3	61.1	64.0	65.4	65.4	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
12	58.4	61.2	64.1	65.5	65.5	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
...13	58.5	61.3	64.2	65.6	65.6	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
13	58.6	61.4	64.3	65.7	65.7	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
...14	58.7	61.5	64.4	65.8	65.8	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
14	58.8	61.6	64.5	65.9	65.9	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
...15	58.9	61.7	64.6	66.0	66.0	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
15	59.0	61.8	64.7	66.1	66.1	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
...16	59.1	61.9	64.8	66.2	66.2	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
16	59.2	62.0	64.9	66.3	66.3	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
...17	59.3	62.1	65.0	66.4	66.4	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
17	59.4	62.2	65.1	66.5	66.5	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
...18	59.5	62.3	65.2	66.6	66.6	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
18	59.6	62.4	65.3	66.7	66.7	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
...19	59.7	62.5	65.4	66.8	66.8	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
19	59.8	62.6	65.5	66.9	66.9	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
...20	59.9	62.7	65.6	67.0	67.0	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
20	60.0	62.8	65.7	67.1	67.1	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
...21	60.1	62.9	65.8	67.2	67.2	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
21	60.2	63.0	65.9	67.3	67.3	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
...22	60.3	63.1	66.0	67.4	67.4	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
22	60.4	63.2	66.1	67.5	67.5	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
...23	60.5	63.3	66.2	67.6	67.6	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
23	60.6	63.4	66.3	67.7	67.7	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
...24	60.7	63.5	66.4	67.8	67.8	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
24	60.8	63.6	66.5	67.9	67.9	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
...25	60.9	63.7	66.6	68.0	68.0	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
25	61.0	63.8	66.7	68.1	68.1	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
...26	61.1	63.9	66.8	68.2	68.2	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
26	61.2	64.0	66.9	68.3	68.3	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
...27	61.3	64.1	67.0	68.4	68.4	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
27	61.4	64.2	67.1	68.5	68.5	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
...28	61.5	64.3	67.2	68.6	68.6	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
28	61.6	64.4	67.3	68.7	68.7	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
...29	61.7	64.5	67.4	68.8	68.8	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
29	61.8	64.6	67.5	68.9	68.9	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
...30	61.9	64.7	67.6	69.0	69.0	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
30	62.0	64.8	67.7	69.1	69.1	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

TOTAL NUMBER OF OBSERVATIONS ...900

USAF ETAC ...0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~WBAN~~ ~~CHICAGO, ILL. IAP~~ ~~(New WBAN)~~ 14 | 83 YEAR ~~NOV~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1400~~

VISIBILITY STATUTE MILES

CEILING FEET	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
													≥5/16			
≥22000	1.1	36.1	36.4	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥20000	3.4	42.1	42.6	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥18000	3.4	42.1	42.6	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥16000	3.4	42.1	42.6	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥14000	3.4	43.2	43.7	44.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥12000	3.7	45.3	45.8	46.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥10000	11.3	48.6	49.1	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥9000	12.3	49.7	50.1	50.7	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥8000	13.1	51.4	51.9	52.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥7000	13.1	51.8	52.2	52.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥6000	14.1	52.4	52.9	53.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥5000	14.4	53.1	53.6	54.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥4500	14.4	54.3	54.9	55.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥4000	15.1	55.3	55.9	56.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥3500	17.4	56.8	57.3	57.9	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥3000	20.4	60.7	61.2	61.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥2500	57.3	68.6	69.4	70.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥2000	70.1	73.0	73.9	74.6	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥1800	72.1	75.0	75.9	76.6	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥1600	73.4	77.8	79.1	79.9	81.3	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥1400	84.1	81.1	82.9	84.3	85.9	86.2	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥1200	86.1	83.4	85.9	88.4	9.1	90.4	91.2	91.6	91.6	91.7	91.8	91.8	91.9	91.9	91.9	91.9
≥1000	86.2	93.8	86.3	89.0	9.8	91.1	92.6	92.9	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.2
≥900	86.2	94.3	87.1	90.1	92.1	92.4	94.3	95.2	95.2	95.4	95.7	95.7	95.8	95.8	95.8	95.8
≥800	86.2	94.6	87.4	90.6	92.9	93.3	95.3	96.4	96.4	96.8	97.0	97.0	97.1	97.1	97.1	97.1
≥700	86.2	94.8	87.7	91.1	93.4	94.0	96.0	97.3	97.3	97.7	97.9	97.9	98.0	98.0	98.0	98.0
≥600	86.2	94.8	87.7	91.1	93.6	94.1	96.1	97.6	97.6	97.9	98.1	98.1	98.2	98.2	98.2	98.2
≥500	86.2	94.8	87.7	91.0	93.6	94.1	96.1	97.8	97.8	98.3	98.8	98.8	98.9	98.9	98.9	98.9
≥400	86.2	94.8	87.7	91.0	93.6	94.1	96.2	97.9	97.9	98.4	99.0	99.0	99.2	99.2	99.3	99.3
≥300	86.2	94.8	87.7	91.0	93.6	94.1	96.2	97.9	97.9	98.4	99.0	99.0	99.4	99.4	99.8	99.8
≥200	86.3	94.9	87.8	91.1	93.7	94.2	96.3	98.0	98.0	98.6	99.1	99.1	99.6	99.6	99.9	100.0
0	86.3	94.9	87.8	91.1	93.7	94.2	96.3	98.0	98.0	98.6	99.1	99.1	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ~~888~~

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~72-I-C~~ CHICAGO-O'HARE INTL AP IL ~~74-83~~ ~~ALL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1500-1700~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1¼	≥1½	≥1¾	≥2	≥2½	≥3	≥5/16	≥¼	=0
~~NO CEILING~~ ≥22000	.4	35.1	35.4	35.6	35.6	35.6	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
~~≥18000~~	35.1	40.8	41.1	41.2	41.2	41.2	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥18000	35.1	40.8	41.1	41.2	41.2	41.2	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
~~≥14000~~	35.1	40.7	41.2	41.3	41.3	41.3	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥14000	35.1	41.8	41.3	41.4	41.4	41.4	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
~~≥12000~~	37.1	43.1	43.6	43.7	43.7	43.7	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥12000	40.4	46.6	47.1	47.6	47.6	47.6	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
~~≥10000~~	42.1	48.6	49.1	49.6	49.6	49.6	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥10000	43.1	51.3	51.9	52.4	52.4	52.4	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
~~≥9000~~	44.2	52.1	52.6	53.2	53.2	53.2	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥9000	44.6	52.8	53.3	54.1	54.0	54.0	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
~~≥8000~~	45.1	53.7	54.2	54.9	54.9	54.9	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥8000	46.1	56.0	56.6	57.2	57.2	57.2	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
~~≥7000~~	47.2	56.4	57.0	57.7	57.7	57.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥7000	49.9	58.7	59.3	60.0	60.0	60.0	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
~~≥6000~~	51.1	62.8	63.3	64.1	64.1	64.1	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥6000	52.7	71.1	72.1	72.9	73.1	73.3	73.7	74.3	74.3	74.7	74.0	74.0	74.0	74.0	74.0	74.0
~~≥5000~~	61.7	75.9	77.0	77.9	78.1	78.1	79.0	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥5000	62.1	76.7	77.8	78.7	78.8	78.9	79.9	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
~~≥4500~~	63.1	79.1	81.0	82.1	82.2	82.9	83.9	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥4500	64.2	82.9	85.1	86.6	86.8	87.6	88.7	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3
~~≥4000~~	65.2	84.7	87.3	89.8	90.2	91.1	92.6	93.2	93.2	93.5	93.6	93.6	93.6	93.6	93.6	93.6
≥4000	65.2	85.0	87.8	90.3	91.1	92.1	93.7	94.3	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7
~~≥3500~~	65.2	85.3	88.2	90.8	91.9	92.9	94.9	95.6	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0
≥3500	65.2	85.7	89.0	91.7	93.0	94.2	96.2	96.9	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3
~~≥3000~~	65.2	85.4	89.1	91.8	93.1	94.4	96.4	97.3	97.3	97.4	97.9	97.9	97.9	97.9	97.9	97.9
≥3000	65.2	85.8	89.1	91.8	93.1	94.4	96.7	97.6	97.6	97.7	98.2	98.2	98.2	98.2	98.2	98.2
~~≥2500~~	65.2	85.8	89.1	91.8	93.1	94.7	96.8	97.9	97.9	98.1	98.8	98.8	98.9	98.9	98.9	98.9
≥2500	65.2	85.8	89.1	91.8	93.1	94.7	96.9	98.0	98.0	98.3	99.2	99.2	99.3	99.3	99.3	99.3
~~≥2000~~	65.2	85.8	89.1	91.8	93.1	94.7	96.9	98.0	98.0	98.3	99.3	99.3	99.7	99.7	99.7	99.7
≥2000	65.2	85.8	89.1	91.8	93.1	94.7	96.9	98.0	98.0	98.3	99.3	99.3	99.7	99.7	99.7	99.8
~~≥1500~~	65.2	85.8	89.1	91.8	93.1	94.7	96.9	98.0	98.0	98.3	99.3	99.3	99.7	99.7	99.7	100.0

~~TOTAL NUMBER OF OBSERVATIONS~~ ~~900~~

USAF ETAC ~~FORM~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

OL PAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~12 3 0~~ CHICAGO-O'HARE IAP IL ~~(new)~~ 74-83 ~~(new)~~ ~~NOV~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1500-2000~~

CEILING (HUNDREDS OF FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥0
~~22000~~	36.1	36.4	36.8	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
~~20000~~	38.4	41.8	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
~~18000~~	38.4	40.8	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
~~16000~~	38.4	40.8	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
~~14000~~	38.4	41.1	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
~~12000~~	38.6	42.4	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
~~10000~~	46.4	46.1	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
~~9000~~	41.2	44.1	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
~~8000~~	42.1	50.8	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
~~7000~~	43.1	52.8	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
~~6000~~	44.3	53.3	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
~~5000~~	46.6	56.2	57.1	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
~~4500~~	47.7	58.6	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
~~4000~~	48.1	58.7	59.7	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
~~3500~~	51.0	63.0	64.1	64.6	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
~~3000~~	55.2	66.9	68.4	68.6	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
~~2500~~	70.1	71.9	73.8	74.3	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
~~2200~~	71.3	75.9	78.3	79.2	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
~~2000~~	71.7	76.7	79.1	80.3	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
~~1800~~	84.1	80.9	83.8	85.2	85.4	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
~~1600~~	85.4	83.2	86.1	88.1	88.2	88.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
~~1400~~	86.1	85.6	88.6	90.8	91.1	91.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
~~1200~~	86.3	86.1	89.2	91.8	92.5	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
~~1000~~	86.3	86.4	90.0	92.8	93.5	93.7	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7
~~900~~	86.3	86.9	91.0	94.1	94.9	95.2	95.8	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3
~~800~~	86.3	87.4	91.6	95.3	95.8	96.3	96.9	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4
~~700~~	86.3	87.1	91.7	95.1	96.0	96.8	97.3	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.0
~~600~~	86.3	87.1	91.7	95.1	96.4	97.4	98.3	98.6	98.6	98.8	98.9	98.9	99.0	99.0	99.0
~~500~~	86.3	87.2	91.8	95.2	96.6	97.6	98.2	98.9	98.9	99.1	99.3	99.3	99.7	99.7	99.7
~~400~~	86.1	87.2	91.8	95.2	96.6	97.6	98.2	98.9	98.9	99.1	99.3	99.3	99.9	99.9	99.9
~~300~~	86.3	87.2	91.8	95.2	96.6	97.6	98.2	98.9	98.9	99.1	99.3	99.3	99.9	99.9	99.9
~~200~~	86.3	87.2	91.8	95.2	96.6	97.6	98.2	98.9	98.9	99.1	99.3	99.3	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ~~900~~

USAF ETAC ~~(new)~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L SAL CLIMATOLOGY BRANCH
AT... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

CHICAGO-O'HARE INTL AP IL 74-83 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
≥ 20000	31.1	35.3	36.1	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
	33.2	37.4	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 10000	33.2	37.4	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
	33.2	37.4	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 6000	33.2	37.4	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
	37.2	41.2	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 5000	37.7	42.4	43.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
	45.1	45.4	46.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4000	47.7	47.0	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
	43.1	50.4	51.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3500	47.1	52.0	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
	47.1	54.4	56.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 3000	47.4	57.6	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
	47.4	57.8	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 2500	1.3	61.2	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
	46.1	61.7	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2000	69.9	71.6	72.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
	71.6	74.4	77.1	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	73.2	76.9	79.6	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
	74.4	79.9	82.4	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	75.6	81.8	85.1	87.2	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	75.1	83.2	86.8	89.7	90.0	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200	75.7	84.2	89.3	91.6	91.9	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
	75.1	84.6	88.9	92.3	92.7	92.9	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000	65.1	84.9	89.7	93.3	94.0	94.3	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
	65.4	85.1	90.3	94.8	95.4	96.2	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	65.1	85.1	90.7	95.4	96.1	96.9	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
	65.1	85.0	90.8	95.6	96.6	97.7	98.4	98.8	98.8	98.9	98.9	98.9	99.1	99.1	99.1
≥ 600	65.1	85.0	90.8	95.8	96.6	97.8	98.7	99.0	99.0	99.1	99.1	99.1	99.3	99.4	99.4
	65.1	85.0	90.8	95.8	96.6	97.8	98.8	99.2	99.2	99.4	99.4	99.4	99.8	99.9	100.0
≥ 400	65.1	85.1	90.8	95.8	96.6	97.8	98.8	99.2	99.2	99.4	99.4	99.4	99.8	99.9	100.0
	65.1	85.1	90.8	95.8	96.6	97.8	98.8	99.2	99.2	99.4	99.4	99.4	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL RAL CLIMATOLOGY BRANCH
USAFETAC
AI[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~12-3-0~~ ~~CHICAGO-O'HARE IAP IL~~ STATION NAME ~~74-83~~ YEARS ~~NOV~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~ALL~~ HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	<¼
CEILING	[illegible]	36.0	36.8	37.6	37.7	37.8	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 20000	[illegible]	[illegible]	41.0	41.9	42.0	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 10000	39.1	40.1	41.0	41.9	42.1	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 5000	39.2	40.1	41.0	41.9	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 4000	39.2	40.4	41.4	42.3	42.4	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 3000	39.5	41.9	43.0	43.9	44.0	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 2500	39.9	44.4	45.5	46.5	46.7	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 2000	40.2	46.4	47.6	48.7	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 1500	40.9	48.9	50.2	51.3	51.6	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1000	41.3	50.0	51.3	52.5	52.7	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 800	42.1	50.8	52.1	53.3	53.5	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 600	43.1	53.1	54.5	55.8	56.1	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 500	44.4	55.1	56.5	57.9	58.2	58.3	58.5	58.6	58.6	58.6	58.6	58.6	59.6	58.6	59.6	58.6
≥ 400	45.1	56.5	57.1	58.5	58.8	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 300	47.7	58.1	59.8	61.3	61.7	61.8	62.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 200	62.4	64.2	63.0	64.6	65.0	65.1	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 150	65.2	67.5	69.6	71.4	71.9	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 100	67.1	71.4	73.7	75.8	76.3	76.5	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 70	67.9	72.8	75.2	77.3	77.9	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 50	80.4	75.7	78.4	80.8	81.4	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 30	81.9	78.1	81.2	84.1	84.9	85.2	85.8	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1
≥ 20	82.5	8[illegible].2	83.7	87.2	88.0	88.4	89.2	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 15	82.7	8[illegible].9	84.6	88.4	89.4	89.9	90.8	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3
≥ 10	82.7	81.4	85.4	89.5	90.7	91.3	92.4	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 7	82.9	81.9	86.3	90.9	92.3	92.9	94.2	94.7	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥ 5	82.9	82.1	86.7	91.9	93.5	94.3	95.9	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0
≥ 4	82.9	82.2	86.9	92.2	93.8	94.8	96.5	97.4	97.4	97.7	97.8	97.8	97.9	97.9	97.9	97.9
≥ 3	82.9	82.2	86.9	92.3	94.1	95.2	97.0	98.0	98.0	98.4	98.6	98.6	98.8	98.8	98.8	98.8
≥ 2	82.9	82.3	86.9	92.3	94.2	95.3	97.2	98.2	98.2	98.7	99.0	99.0	99.3	99.3	99.4	99.4
≥ 1	82.9	82.3	86.9	92.3	94.2	95.3	97.2	98.3	98.3	98.8	99.2	99.2	99.6	99.7	99.8	99.8
0	82.9	82.3	87.0	92.4	94.2	95.3	97.2	98.3	98.3	98.8	99.2	99.2	99.6	99.7	99.8	99.9
	82.9	82.3	87.0	92.4	94.2	95.3	97.2	98.3	98.3	98.8	99.2	99.2	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS ~~7300~~

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L RAL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~12 3 0~~ ~~CHICAGO-O'HARE IAP, IL~~ ~~74-83~~ YEARS ~~05C~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0300-0200~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
~~NO CEILING~~	~~<1.4~~	34.3	34.8	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4
~~20000~~	~~31.2~~	~~36.3~~	~~37.1~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.6~~	~~37.6~~	~~37.6~~	~~37.6~~	~~37.6~~	~~37.6~~
10000	31.2	36.3	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6
~~8000~~	~~31.2~~	~~36.3~~	~~37.1~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.5~~	~~37.6~~	~~37.6~~	~~37.6~~	~~37.6~~	~~37.6~~	~~37.6~~
6000	31.2	36.3	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6
~~5000~~	~~32.1~~	~~37.8~~	~~38.6~~	~~39.1~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.1~~	~~39.1~~	~~39.1~~	~~39.1~~	~~39.1~~	~~39.1~~
4500	34.1	39.8	40.6	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5
~~4000~~	~~35.1~~	~~41.7~~	~~42.6~~	~~43.3~~	~~43.3~~	~~43.3~~	~~43.3~~	~~43.3~~	~~43.3~~	~~43.3~~	~~43.4~~	~~43.4~~	~~43.4~~	~~43.4~~	~~43.4~~	~~43.4~~
3500	38.5	44.5	45.5	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3
~~3000~~	~~39.0~~	~~45.3~~	~~46.1~~	~~46.9~~	~~46.9~~	~~46.9~~	~~46.9~~	~~46.9~~	~~46.9~~	~~46.9~~	~~47.0~~	~~47.0~~	~~47.0~~	~~47.0~~	~~47.0~~	~~47.0~~
2500	41.1	46.8	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3
~~2400~~	~~41.1~~	~~48.8~~	~~50.0~~	~~50.8~~	~~50.8~~	~~50.8~~	~~50.8~~	~~50.8~~	~~50.8~~	~~50.8~~	~~50.9~~	~~50.9~~	~~50.9~~	~~50.9~~	~~50.9~~	~~50.9~~
2300	43.4	50.9	52.1	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1
~~2200~~	~~43.7~~	~~51.6~~	~~52.9~~	~~53.8~~	~~53.9~~	~~53.9~~	~~53.9~~	~~53.9~~	~~53.9~~	~~53.9~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~	~~54.0~~
2100	47.1	54.1	55.6	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
~~2000~~	~~47.7~~	~~56.8~~	~~58.4~~	~~59.2~~	~~59.4~~	~~59.4~~	~~59.4~~	~~59.4~~	~~59.4~~	~~59.4~~	~~59.5~~	~~59.5~~	~~59.5~~	~~59.5~~	~~59.5~~	~~59.5~~
1900	51.1	61.2	62.9	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
~~1800~~	~~53.7~~	~~64.5~~	~~66.3~~	~~68.2~~	~~68.6~~	~~68.9~~	~~68.9~~	~~68.9~~	~~68.9~~	~~68.9~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~	~~69.0~~
1700	54.1	65.8	68.2	69.9	70.3	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8
~~1600~~	~~54.1~~	~~70.0~~	~~72.9~~	~~74.9~~	~~75.4~~	~~75.7~~	~~75.8~~	~~75.9~~	~~75.9~~	~~75.9~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~	~~76.0~~
1500	57.9	74.1	77.5	79.9	80.9	81.4	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
~~1400~~	~~60.4~~	~~75.8~~	~~79.3~~	~~82.3~~	~~83.3~~	~~84.2~~	~~84.4~~	~~84.7~~	~~84.7~~	~~84.7~~	~~85.1~~	~~85.1~~	~~85.1~~	~~85.1~~	~~85.1~~	~~85.1~~
1300	60.8	76.2	80.3	83.3	84.3	84.9	85.2	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
~~1200~~	~~60.8~~	~~76.6~~	~~81.1~~	~~84.6~~	~~85.6~~	~~86.5~~	~~86.7~~	~~87.2~~	~~87.2~~	~~87.3~~	~~87.6~~	~~87.6~~	~~87.6~~	~~87.6~~	~~87.7~~	~~87.7~~
1100	60.1	77.3	82.2	86.1	87.4	88.4	88.7	89.4	89.4	89.5	89.8	89.8	89.8	89.8	89.9	89.9
~~1000~~	~~60.1~~	~~77.6~~	~~82.1~~	~~87.6~~	~~89.1~~	~~90.5~~	~~90.9~~	~~91.9~~	~~91.9~~	~~92.3~~	~~92.6~~	~~92.6~~	~~92.7~~	~~92.7~~	~~92.8~~	~~92.8~~
900	61.9	78.0	83.2	88.7	91.4	92.0	92.8	93.9	93.9	94.3	94.6	94.6	94.7	94.7	95.1	95.1
~~800~~	~~60.9~~	~~78.1~~	~~83.1~~	~~89.8~~	~~91.8~~	~~93.7~~	~~94.8~~	~~95.9~~	~~95.9~~	~~96.3~~	~~96.9~~	~~96.9~~	~~97.0~~	~~97.0~~	~~97.3~~	~~97.3~~
700	60.1	78.1	83.7	90.0	92.0	94.1	95.5	97.0	97.0	97.6	98.2	98.2	98.4	98.4	98.8	98.8
~~600~~	~~60.1~~	~~78.1~~	~~83.7~~	~~90.1~~	~~92.2~~	~~94.2~~	~~95.6~~	~~97.2~~	~~97.2~~	~~97.8~~	~~98.4~~	~~98.4~~	~~98.9~~	~~98.9~~	~~99.4~~	~~99.4~~
500	60.1	78.1	83.7	90.1	92.2	94.2	95.6	97.2	97.2	97.8	98.4	98.4	99.0	99.0	99.6	99.8
~~400~~	~~60.1~~	~~78.1~~	~~83.7~~	~~90.1~~	~~92.2~~	~~94.2~~	~~95.6~~	~~97.2~~	~~97.2~~	~~97.8~~	~~98.4~~	~~98.4~~	~~99.0~~	~~99.0~~	~~99.7~~	~~100.0~~

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC ~~JAN 66~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12 3 0 CHICAGO-O'HARE IAP, IL 74-83 YEARS 06C

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-0500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥7	≥1	≥1/4	≥1	≥3/4	≥5/8	≥1/2	≥1/4	≥1/8	0
CEILING UNLIMITED	30.0	35.1	35.3	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 20000	30.1	35.8	36.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 18000	30.1	35.8	36.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
18000	30.1	35.8	36.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 14000	30.1	35.9	36.2	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
14000	31.5	36.8	37.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 10000	33.1	38.6	38.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
10000	37.2	42.3	42.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 9000	37.5	43.7	44.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
9000	37.6	44.4	44.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 8000	37.7	46.3	46.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
8000	41.1	48.2	48.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	41.7	49.9	50.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
7000	42.2	50.3	50.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 6000	44.4	53.1	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
6000	45.1	55.2	55.8	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 5000	46.3	56.8	59.9	61.5	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
5000	60.2	61.4	62.8	64.9	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	61.3	63.0	64.7	66.7	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
4500	63.1	66.4	68.3	71.4	71.6	71.7	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	65.6	72.3	72.2	76.1	76.5	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
4000	67.7	73.1	75.3	79.8	80.2	80.3	81.0	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	68.1	73.9	76.1	81.0	81.5	81.8	82.5	82.7	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0
3500	67.2	74.4	76.9	82.5	83.1	83.5	84.3	84.5	84.5	84.8	84.9	84.9	85.1	85.1	85.1	85.1
≥ 3000	67.3	75.1	78.2	84.2	85.2	85.8	86.6	87.0	87.0	87.4	87.5	87.5	87.6	87.6	87.6	87.6
3000	67.3	75.4	79.0	85.7	87.0	87.7	88.6	89.0	89.0	89.7	89.8	89.8	90.1	90.1	90.3	90.3
≥ 2500	67.3	75.5	79.2	86.3	88.1	88.9	90.0	90.5	90.5	91.4	91.5	91.5	92.0	92.0	92.3	92.3
2500	67.4	75.8	79.7	87.5	89.7	90.8	92.3	93.1	93.1	94.5	94.6	94.6	95.3	95.3	96.5	95.5
≥ 2000	67.4	75.8	79.7	87.6	90.0	91.6	93.8	94.7	94.7	96.2	96.6	96.6	97.7	97.7	98.0	98.0
2000	67.4	75.8	79.7	87.6	90.0	91.6	93.8	94.7	94.7	96.2	96.9	96.9	98.6	98.6	99.2	99.2
≥ 1800	67.4	75.8	79.7	87.6	90.0	91.6	93.8	94.7	94.7	96.2	96.9	96.9	98.7	98.7	99.5	99.9
1800	67.4	75.8	79.7	87.6	90.0	91.6	93.8	94.7	94.7	96.2	96.9	96.9	98.7	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~23 Mar 0~~ ~~CHICAGO-O'HARE INTL AP, IL~~ ~~74-83~~ YEARS ~~DEC~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0600-0800~~

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
	.3	31.4	31.9	33.2	33.5	33.5	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
	22.4	33.4	34.2	35.7	35.9	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
800	27.7	33.5	34.3	35.8	35.9	35.9	36.1	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
1000	27.7	33.5	34.3	35.8	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
1500	27.9	33.7	34.4	35.9	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2000	28.9	34.4	35.7	37.2	37.5	37.5	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2500	30.3	36.5	37.4	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
3000	31.4	36.5	39.5	41.1	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
3500	34.1	41.4	42.5	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
4000	35.5	43.5	43.5	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
4500	35.1	42.9	44.1	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
5000	37.4	44.9	46.1	47.7	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
6000	40.0	47.7	48.9	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
7000	40.3	47.7	48.9	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
8000	40.3	.9	51.1	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
9000	42.4	52.4	53.9	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
10000	47.3	57.5	59.1	61.2	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
12000	49.3	59.8	61.4	63.8	64.0	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
15000	50.4	61.4	63.3	65.7	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
18000	52.1	65.1	68.2	70.9	71.5	71.8	72.2	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
20000	48.8	5[illegible].8	72.7	75.7	76.4	76.9	77.4	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0
25000	65.1	71.5	75.1	78.3	79.5	79.9	81.0	81.3	81.4	81.8	81.8	81.8	81.9	81.9	81.9
30000	5[illegible].1	72.3	76.[illegible]	80.3	81.2	81.6	82.7	83.0	83.1	83.7	83.8	83.8	83.9	83.9	83.9
35000	54.0	72.6	76.6	80.6	82.2	82.6	83.9	84.3	84.4	85.1	85.2	85.2	85.3	85.3	85.3
40000	[illegible].1	72.9	77.6	81.8	83.5	84.0	85.6	86.0	86.1	87.1	87.3	87.3	87.4	87.4	87.4
45000	54.1	73.1	78.2	82.6	84.9	85.5	87.5	88.2	88.4	89.4	89.8	89.8	89.9	89.9	89.9
50000	54.1	73.5	78.5	83.8	86.3	87.1	89.4	90.8	91.0	92.2	92.7	92.7	93.0	93.0	93.0
55000	54.2	73.8	78.7	84.1	86.8	87.6	90.5	93.2	93.4	95.1	95.6	95.6	96.0	96.0	96.0
60000	54.2	73.8	78.7	84.1	86.8	88.0	91.2	94.2	94.4	96.2	97.1	97.1	98.0	98.0	98.0
65000	54.2	73.8	78.7	84.1	86.8	88.0	91.3	94.3	94.5	96.5	97.4	97.4	98.6	98.6	99.1	99.1
70000	54.2	73.8	78.7	84.1	86.8	88.0	91.3	94.3	94.5	96.5	97.4	97.4	98.6	98.6	99.5	100.0
	54.2	73.8	78.7	84.1	86.8	88.0	91.3	94.3	94.5	96.5	97.4	97.4	98.6	98.6	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1200 CHICAGO-O'HARE IAP IL 74-83 YEARS DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING (FEET)	VISIBILITY STATUTE MILES ≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1¼	≥1	≥¾	≥½	≥¼	≥0
	.3 32.9	34.2 35.2	35.2 35.2	35.2 35.2	35.2 35.2	35.2 35.2	35.3 35.3	35.3 35.3	35.3 35.3	35.3 35.3	35.3 35.3	35.3 35.3	35.3 35.3
	30.1 35.8	37.2 38.5	38.7 38.6	38.8 38.8	38.8 38.8	38.8 38.8	38.9 38.9	38.9 38.9	38.9 38.9	38.9 38.9	38.9 38.9	38.9 38.9	38.9 38.9
	30.1 35.9	37.3 38.6	38.8 38.9	38.9 38.9	38.9 38.9	38.9 38.9	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0
	30.1 35.9	37.3 38.6	38.8 38.9	38.9 38.9	38.9 38.9	38.9 38.9	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0	39.0 39.0
	31.2 36.5	37.8 39.1	39.4 39.5	39.5 39.5	39.5 39.5	39.5 39.5	39.6 39.6	39.6 39.6	39.6 39.6	39.6 39.6	39.6 39.6	39.6 39.6	39.6 39.6
	32.2 37.8	39.2 40.5	40.8 40.9	41.0 41.0	41.0 41.0	41.0 41.0	41.1 41.1	41.1 41.1	41.1 41.1	41.1 41.1	41.1 41.1	41.1 41.1	41.1 41.1
	33.5 41.1	41.6 42.9	43.1 43.2	43.4 43.4	43.4 43.4	43.4 43.4	43.5 43.5	43.5 43.5	43.5 43.5	43.5 43.5	43.5 43.5	43.5 43.5	43.5 43.5
	34.4 42.5	44.1 45.7	45.9 46.1	46.3 46.3	46.3 46.3	46.3 46.3	46.5 46.5	46.5 46.5	46.5 46.5	46.5 46.5	46.5 46.5	46.5 46.5	46.5 46.5
	36.7 44.0	45.6 47.3	47.5 47.7	48.1 48.2	48.2 48.2	48.4 48.4	48.4 48.4	48.4 48.4	48.4 48.4	48.4 48.4	48.4 48.4	48.4 48.4	48.4 48.4
	37.5 45.1	46.7 48.4	48.6 48.8	49.1 49.2	49.2 49.2	49.5 49.5	49.5 49.5	49.5 49.5	49.5 49.5	49.5 49.5	49.5 49.5	49.5 49.5	49.5 49.5
	38.7 45.7	47.4 49.1	49.4 49.6	49.9 50.0	50.0 50.0	50.2 50.2	50.2 50.2	50.2 50.2	50.2 50.2	50.2 50.2	50.2 50.2	50.2 50.2	50.2 50.2
	39.3 46.5	48.5 50.2	50.4 50.6	51.2 51.3	51.3 51.3	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5	51.5 51.5
	39.1 47.8	50.8 52.5	52.7 52.9	53.5 53.7	53.7 53.7	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9
	39.1 47.8	50.8 52.5	52.7 52.9	53.5 53.7	53.7 53.7	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9	53.9 53.9
	39.9 49.1	51.9 53.9	54.1 54.3	55.1 55.2	55.2 55.4	55.4 55.4	55.4 55.4	55.4 55.4	55.4 55.4	55.4 55.4	55.4 55.4	55.4 55.4	55.4 55.4
	40.1 51.4	54.1 56.1	56.6 56.9	57.6 57.7	57.7 57.7	58.1 58.1	58.1 58.1	58.1 58.1	58.1 58.1	58.1 58.1	58.1 58.1	58.1 58.1	58.1 58.1
	47.1 54.1	57.3 59.7	6 .4 60.9	61.6 61.7	61.7 62.0	62.0 62.0	62.0 62.0	62.0 62.0	62.0 62.0	62.0 62.0	62.0 62.0	62.0 62.0	62.0 62.0
	45.1 57.1	60.8 63.5	64.5 64.9	65.8 65.9	65.9 66.3	66.3 66.3	66.3 66.3	66.3 66.3	66.3 66.3	66.3 66.3	66.3 66.3	66.3 66.3	66.3 66.3
	47.1 59.0	62.9 65.8	66.9 67.3	68.2 68.4	68.4 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9
	48.2 6 .6	66.9 70.2	71.5 71.9	72.9 73.4	73.4 74.0	74.1 74.1	74.1 74.1	74.1 74.1	74.1 74.1	74.1 74.1	74.1 74.1	74.1 74.1	74.1 74.1
	.2 64.9	69.7 73.2	74.7 75.2	76.3 77.1	77.1 77.6	77.8 77.8	78.0 78.0	78.0 78.0	78.0 78.0	78.0 78.0	78.0 78.0	78.0 78.0	78.0 78.0
	.4 66.5	71.7 75.4	77.2 78.4	79.2 80.3	80.4 81.4	81.6 81.6	81.9 81.9	81.9 81.9	81.9 81.9	81.9 81.9	81.9 81.9	81.9 81.9	81.9 81.9
	0.5 67.1	72.6 76.2	78.1 78.8	80.4 81.5	81.6 82.6	82.9 82.9	83.3 83.3	83.3 83.3	83.3 83.3	83.3 83.3	83.3 83.3	83.3 83.3	83.3 83.3
	50.1 67.8	73.5 77.5	79.9 80.9	82.7 83.8	84.0 85.2	85.7 85.7	86.2 86.2	86.2 86.2	86.2 86.2	86.2 86.2	86.2 86.2	86.2 86.2	86.2 86.2
	5 .1 68.2	74.4 79.5	82.2 83.4	86.1 87.4	87.6 88.8	89.5 89.5	90.0 90.0	90.0 90.0	90.0 90.0	90.0 90.0	90.0 90.0	90.0 90.0	90.0 90.0
	50.3 68.4	74.8 80.4	83.7 85.3	88.9 90.9	91.3 93.0	93.7 93.7	94.3 94.3	94.3 94.3	94.3 94.3	94.3 94.3	94.3 94.3	94.3 94.3	94.3 94.3
	50.9 68.4	74.8 80.5	84.0 86.0	89.6 91.9	92.4 94.4	95.4 95.4	96.0 96.0	96.0 96.0	96.0 96.0	96.0 96.0	96.0 96.0	96.0 96.0	96.0 96.0
	50.1 68.4	74.8 80.5	84.0 86.0	89.8 92.6	93.0 95.1	96.0 96.0	96.9 96.9	96.9 96.9	96.9 96.9	96.9 96.9	96.9 96.9	96.9 96.9	96.9 96.9
	50.9 68.4	74.8 80.5	84.0 86.0	89.9 92.7	93.2 95.5	96.7 96.7	97.8 97.8	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0	98.0 98.0
	50.1 68.4	74.8 80.5	84.0 86.0	89.9 92.7	93.2 95.6	96.9 96.9	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8
	51.9 68.4	74.8 80.5	84.0 86.0	89.9 92.7	93.2 95.6	96.9 96.9	98.5 98.5	98.9 98.9	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
	52.8 68.4	74.8 80.5	84.0 86.0	89.9 92.7	93.2 95.6	96.9 96.9	98.5 98.5	98.9 98.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~12 Jun 70~~ ~~CHICAGO-O'HARE INTL AP, IL~~ ~~74-83~~ YEARS ~~ALL~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1200-1400~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
20000	31.6	34.6	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
18000	35.1	39.5	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
16000	35.1	39.5	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
14000	35.4	39.8	40.8	40.9	41.0	41.0	41.1	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
12000	37.2	41.6	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
10000	37.1	44.1	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
9000	40.0	45.5	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
8000	40.1	46.8	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
7000	41.3	47.3	48.9	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
6000	41.4	48.1	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
5000	41.4	48.8	50.5	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
4500	42.2	49.5	51.3	51.5	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
4000	42.4	49.7	51.5	51.7	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
3500	42.8	51.4	52.3	52.6	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
3000	43.1	52.1	54.0	54.3	54.8	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
2500	49.2	57.9	59.9	60.4	61.4	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2000	56.1	61.9	64.5	65.4	66.6	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
1800	58.1	64.6	67.2	68.2	69.4	69.5	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1600	58.4	68.7	72.2	73.1	74.9	75.1	75.5	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2
1400	59.1	71.8	75.9	77.5	79.5	79.6	80.6	81.4	81.4	81.5	81.6	81.6	81.8	81.8	81.8	81.8
1200	59.1	73.5	78.5	80.5	82.7	82.9	84.5	85.6	85.6	85.7	85.9	85.9	86.5	86.5	86.5	86.5
1000	59.2	74.4	79.7	81.8	84.3	84.7	86.6	87.7	87.7	87.8	88.3	88.3	88.8	88.8	88.8	88.8
900	59.2	74.8	80.1	82.7	85.6	86.2	88.3	89.7	89.7	89.9	90.3	90.3	90.9	90.9	90.9	90.9
800	59.2	74.9	80.3	83.1	86.2	87.2	89.8	91.5	91.5	91.7	92.3	92.3	92.8	92.8	92.8	92.8
700	59.2	75.1	80.4	83.9	87.4	88.6	91.2	93.0	93.0	93.3	94.0	94.0	95.2	95.2	95.3	95.3
600	59.2	75.1	80.5	84.2	88.1	89.7	92.3	94.1	94.1	94.4	95.2	95.3	96.6	96.7	96.9	96.9
500	59.2	75.1	80.5	84.2	88.6	89.8	92.6	94.7	94.7	95.1	96.1	96.2	97.8	98.2	98.4	98.4
400	59.2	75.1	80.5	84.2	88.0	89.8	92.6	94.7	94.7	95.1	96.2	96.3	98.7	99.1	99.5	99.5
300	59.2	75.1	80.5	84.2	88.0	89.8	92.6	94.7	94.7	95.2	96.3	96.5	98.8	99.4	99.9	99.9
200	59.2	75.1	80.5	84.2	88.0	89.8	92.6	94.7	94.7	95.2	96.3	96.5	98.9	99.5	100.0	100.0
100	59.2	75.1	80.6	84.2	88.0	89.8	92.6	94.7	94.7	95.2	96.3	96.5	98.9	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC ~~MAY 64~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L PAL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~3~~ 0 CHICAGO-O'HARE IAP IL 74-83 ~~DEC~~
STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1500-1700~~
HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0		
~~CLEAR~~ 25000	2...	34.6	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
~~20000~~	~~33.4~~	~~3...4~~	~~39.6~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~
18000	33.4	3...4	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
16000	~~33.4~~	~~3...4~~	~~39.6~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~	~~39.8~~
14000	34.1	3...9	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
12000	~~36.5~~	~~42.6~~	~~42.9~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~	~~43.1~~
10000	3...4	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
9000	~~40.6~~	~~47.8~~	~~48.2~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~	~~48.4~~
8000	42.3	50.5	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
7000	~~42.4~~	~~51.1~~	~~51.4~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~	~~51.8~~
6000	42.1	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
5000	~~43.1~~	~~52.5~~	~~53.1~~	~~53.5~~	~~53.5~~	~~53.5~~	~~53.5~~	~~53.5~~	~~53.6~~	~~53.5~~	~~53.5~~	~~53.5~~	~~53.5~~	~~53.5~~	~~53.5~~	~~53.5~~
4500	43.4	53.2	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5
4000	~~43.4~~	~~53.2~~	~~53.9~~	~~54.4~~	~~54.4~~	~~54.4~~	~~54.4~~	~~54.4~~	~~54.4~~	~~54.4~~	~~54.5~~	~~54.5~~	~~54.5~~	~~54.5~~	~~54.5~~	~~54.5~~
3500	44.2	54.5	5...3	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
3000	~~45.3~~	~~56.7~~	~~57.5~~	~~58.3~~	~~58.3~~	~~58.4~~	~~58.4~~	~~58.5~~	~~58.5~~	~~58.5~~	~~58.6~~	~~58.6~~	~~58.6~~	~~58.6~~	~~58.6~~	~~58.6~~
2700	4...6	62.1	63.3	64.4	64.5	64.7	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
2500	~~62.4~~	~~66.9~~	~~68.4~~	~~69.8~~	~~7...3~~	~~70.6~~	~~70.9~~	~~71.0~~	~~71.0~~	~~71.0~~	~~71.1~~	~~71.1~~	~~71.1~~	~~71.1~~	~~71.1~~	~~71.1~~
2200	63.4	68.5	70.2	71.7	72.5	72.9	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4
2000	~~64.2~~	~~73.1~~	~~75.5~~	~~77.3~~	~~78.2~~	~~78.6~~	~~79.2~~	~~79.4~~	~~79.4~~	~~79.4~~	~~79.5~~	~~79.5~~	~~79.5~~	~~79.5~~	~~79.5~~	~~79.5~~
1800	57.1	76.1	79.2	82.0	83.1	83.8	84.4	84.5	84.5	84.5	84.6	84.6	84.7	84.7	84.7	84.7
1600	~~57.2~~	~~77.8~~	~~81.5~~	~~85.2~~	~~86.3~~	~~87.2~~	~~88.2~~	~~88.4~~	~~88.5~~	~~88.5~~	~~88.7~~	~~88.7~~	~~88.8~~	~~88.8~~	~~88.8~~	~~88.8~~
1400	57.2	78.0	81.6	85.5	86.7	87.6	88.6	88.8	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2
1200	~~57.2~~	~~78.4~~	~~82.3~~	~~87.1~~	~~88.3~~	~~89.5~~	~~90.6~~	~~90.9~~	~~91.1~~	~~91.2~~	~~91.6~~	~~91.6~~	~~91.8~~	~~91.8~~	~~91.8~~	~~91.8~~
1000	57.2	78.5	82.7	87.8	89.0	90.5	92.0	92.3	92.6	92.8	93.3	93.3	93.7	93.7	93.8	93.8
900	~~57.2~~	~~78.5~~	~~82.7~~	~~88.3~~	~~89.7~~	~~91.4~~	~~93.0~~	~~93.4~~	~~93.8~~	~~94.2~~	~~94.8~~	~~94.8~~	~~95.5~~	~~95.5~~	~~95.7~~	~~95.7~~
800	57.2	78.5	82.7	88.6	90.5	92.4	94.1	94.5	94.8	95.5	96.1	96.1	97.1	97.1	97.4	97.4
700	~~57.2~~	~~78.5~~	~~82.7~~	~~88.7~~	~~9...8~~	~~92.7~~	~~94.4~~	~~95.1~~	~~95.4~~	~~96.7~~	~~97.5~~	~~97.5~~	~~98.6~~	~~98.6~~	~~99.0~~	~~99.0~~
600	57.2	78.5	82.7	88.7	90.8	92.7	94.4	95.1	95.4	97.0	97.8	97.8	98.9	98.9	99.6	99.6
500	~~57.2~~	~~78.5~~	~~82.7~~	~~88.7~~	~~90.8~~	~~92.7~~	~~94.4~~	~~95.1~~	~~95.4~~	~~97.0~~	~~97.8~~	~~97.8~~	~~98.9~~	~~98.9~~	100.0	100.0
400	57.2	78.5	82.7	88.7	90.8	92.7	94.4	95.1	95.4	97.0	97.8	97.8	98.9	98.9	100.0	100.0
300	~~57.2~~	~~78.5~~	~~82.7~~	~~88.7~~	~~9...8~~	~~92.7~~	~~94.4~~	~~95.1~~	~~95.4~~	~~97.0~~	~~97.8~~	~~97.8~~	~~98.9~~	~~98.9~~	100.0	100.0
200																
100																
CEILING UNLIMITED																

TOTAL NUMBER OF OBSERVATIONS ~~930~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~1WBAN 0~~ ~~CHICAGO-O'HARE INTL AP IL~~ 74-83 YEARS ~~0600~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1800-2000~~

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
12000	~~36.2~~ 34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
10000	~~36.2~~ 36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
8000	~~36.2~~ 36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
7000	~~36.2~~ 36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
6000	~~36.4~~ 36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
5000	~~39.7~~ 39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
4500	42.8 42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
4000	~~44.9~~ 44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
3500	48.0 48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
3000	~~49.8~~ 49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
2500	50.5 50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
2000	~~51.9~~ 51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
1800	53.1 53.3	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
1600	~~53.5~~ 53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
1400	54.6 54.1	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
1200	~~58.0~~ 58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
1000	1.1 62.7	64.3	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
900	~~66.2~~ 70.4	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
800	5.3 6.9	71.8	72.6	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
700	~~74.4~~ 76.4	78.0	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
600	5.5 76.9	79.7	81.1	81.6	81.6	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
500	~~79.8~~ 83.4	85.8	86.3	86.3	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
400	5.9 90.3	84.1	86.8	87.6	87.6	88.3	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
300	~~80.8~~ 85.1	88.3	89.3	89.3	90.2	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6
200	1.1	85.9	89.9	91.0	91.0	92.0	92.4	92.4	92.6	92.6	92.6	92.8	92.8	92.8	92.8
100	~~81.8~~ 86.4	91.4	93.2	93.8	94.2	94.7	94.7	95.1	95.3	95.3	95.6	95.6	95.6	95.6	95.6
0	1.1 81.9	86.5	91.6	93.2	93.5	94.7	95.3	95.3	95.7	96.2	96.2	96.5	96.5	96.5	96.5
	~~81.9~~ 86.6	92.2	93.7	94.1	95.4	95.9	95.9	96.7	97.2	97.2	97.6	97.6	97.6	97.6	97.6
	0.1 81.9	86.5	92.0	93.7	94.1	95.4	96.4	96.4	97.2	98.0	98.0	98.6	98.6	98.6	98.6
	~~81.9~~ 86.4	92.2	94.0	94.4	95.7	96.9	96.9	97.7	98.5	98.5	99.6	99.6	99.8	99.8	99.8
	0.1 81.9	86.6	92.2	94.1	94.4	95.7	96.9	96.9	97.7	98.5	98.5	99.6	99.6	100.0	100.0
	~~81.9~~ 86.6	92.2	94.0	94.4	95.7	96.9	96.9	97.7	98.5	98.5	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ~~927~~

USAF ETAC ~~JAN 64~~ 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~33-3 C~~ CHICAGO-O'HARE IAP, IL ~~74-83~~ ~~06C~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~2168-2390~~

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
~~NO CEILING~~	~~.2~~	~~23.1~~	~~34.6~~	~~34.8~~	~~34.9~~	~~34.8~~	~~35.0~~	~~35.0~~	~~35.0~~	~~35.0~~	~~35.1~~	~~35.1~~	~~35.1~~	~~35.1~~	~~35.1~~
~~≥20000~~	~~20.2~~	~~35.1~~	~~35.8~~	~~36.1~~	~~36.0~~	~~36.0~~	~~36.1~~	~~36.1~~	~~36.1~~	~~36.1~~	~~36.2~~	~~36.2~~	~~36.2~~	~~36.2~~	~~36.2~~
20000	20.2	35.1	35.9	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.2
~~≥18000~~	~~20.2~~	~~35.1~~	~~35.8~~	~~36.0~~	~~36.0~~	~~36.0~~	~~36.1~~	~~36.1~~	~~36.1~~	~~36.1~~	~~36.2~~	~~36.2~~	~~36.2~~	~~36.2~~	~~36.2~~
18000	20.2	35.2	36.0	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.4	36.4	36.4	36.4	36.4
~~≥16000~~	~~21.1~~	~~36.9~~	~~37.8~~	~~38.1~~	~~38.1~~	~~38.0~~	~~38.1~~	~~38.1~~	~~38.1~~	~~38.1~~	~~38.2~~	~~38.2~~	~~38.2~~	~~38.2~~	~~38.2~~
16000	34.2	37.4	40.3	40.6	40.6	40.6	40.7	40.7	40.7	40.7	40.9	40.8	40.8	40.8	40.8
~~≥14000~~	~~35.1~~	~~41.3~~	~~42.4~~	~~42.6~~	~~42.6~~	~~42.6~~	~~42.7~~	~~42.7~~	~~42.7~~	~~42.7~~	~~42.8~~	~~42.8~~	~~42.8~~	~~42.8~~	~~42.8~~
14000	37.5	44.7	45.7	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2
~~≥12000~~	~~41.1~~	~~46.6~~	~~47.7~~	~~47.9~~	~~47.9~~	~~47.9~~	~~48.0~~	~~48.0~~	~~48.0~~	~~48.0~~	~~48.1~~	~~48.1~~	~~48.1~~	~~48.1~~	~~48.1~~
12000	41.2	48.2	49.3	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7
~~≥10000~~	~~42.1~~	~~52.9~~	~~52.1~~	~~52.2~~	~~52.2~~	~~52.2~~	~~52.3~~	~~52.3~~	~~52.3~~	~~52.3~~	~~52.4~~	~~52.4~~	~~52.4~~	~~52.4~~	~~52.4~~
10000	44.4	52.9	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5
~~≥9000~~	~~44.1~~	~~53.3~~	~~54.5~~	~~54.7~~	~~54.7~~	~~54.7~~	~~54.8~~	~~54.8~~	~~54.8~~	~~54.8~~	~~54.9~~	~~54.9~~	~~54.9~~	~~54.9~~	~~54.9~~
9000	47.2	55.0	56.2	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6
~~≥8000~~	~~48.1~~	~~56.3~~	~~57.5~~	~~57.7~~	~~57.7~~	~~57.7~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.8~~	~~57.9~~	~~57.9~~	~~57.9~~	~~57.9~~	~~57.9~~
8000	51.4	60.7	62.7	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5
~~≥7000~~	~~54.0~~	~~65.4~~	~~67.7~~	~~68.4~~	~~68.7~~	~~68.7~~	~~68.8~~	~~68.8~~	~~68.8~~	~~68.8~~	~~68.9~~	~~68.9~~	~~68.9~~	~~68.9~~	~~68.9~~
7000	55.4	67.2	69.5	70.2	70.6	70.6	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9
~~≥6000~~	~~57.3~~	~~73.2~~	~~75.6~~	~~76.7~~	~~77.3~~	~~77.3~~	~~77.7~~	~~77.7~~	~~77.7~~	~~77.7~~	~~77.8~~	~~77.8~~	~~77.8~~	~~77.8~~	~~77.8~~
6000	59.4	75.6	78.2	79.5	80.3	80.3	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8
~~≥5000~~	~~61.1~~	~~76.7~~	~~81.8~~	~~83.2~~	~~84.5~~	~~84.6~~	~~85.2~~	~~85.4~~	~~85.4~~	~~85.4~~	~~85.5~~	~~85.5~~	~~85.5~~	~~85.5~~	~~85.5~~
5000	61.1	79.1	82.5	84.5	85.8	85.9	86.4	86.3	86.8	86.8	86.9	86.9	86.9	86.9	86.9
~~≥4500~~	~~61.2~~	~~79.5~~	~~83.2~~	~~85.5~~	~~87.1~~	~~87.3~~	~~88.0~~	~~88.6~~	~~88.6~~	~~88.7~~	~~88.9~~	~~88.9~~	~~88.9~~	~~88.9~~	~~88.9~~
4500	61.2	80.0	83.9	86.7	88.6	88.8	89.5	90.2	90.2	90.3	90.6	90.6	90.6	90.6	90.6
~~≥4000~~	~~61.2~~	~~81.4~~	~~84.7~~	~~88.5~~	~~90.7~~	~~91.4~~	~~92.3~~	~~93.1~~	~~93.3~~	~~93.6~~	~~94.1~~	~~94.1~~	~~94.2~~	~~94.2~~	~~94.2~~
4000	61.2	81.4	85.1	89.2	91.8	92.7	93.9	94.9	94.9	95.4	95.8	95.8	96.0	96.0	96.0
~~≥3500~~	~~61.2~~	~~80.4~~	~~85.3~~	~~89.8~~	~~92.6~~	~~93.5~~	~~94.9~~	~~96.1~~	~~96.1~~	~~96.5~~	~~97.2~~	~~97.2~~	~~97.5~~	~~97.5~~	~~97.5~~
3500	61.2	80.4	85.3	89.9	92.8	93.7	95.6	97.0	97.0	97.7	98.5	98.5	98.9	98.9	99.0
~~≥3000~~	~~61.2~~	~~80.4~~	~~85.4~~	~~90.1~~	~~93.0~~	~~94.0~~	~~95.9~~	~~97.3~~	~~97.3~~	~~98.1~~	~~98.8~~	~~98.8~~	~~99.9~~	~~99.9~~	~~100.0~~
3000	61.2	80.4	85.4	90.1	93.0	94.0	95.9	97.3	97.3	98.1	98.8	98.8	99.9	99.9	100.0
~~≥2500~~	~~61.2~~	~~80.4~~	~~85.4~~	~~90.1~~	~~93.0~~	~~94.0~~	~~95.9~~	~~97.3~~	~~97.3~~	~~98.1~~	~~98.8~~	~~98.8~~	~~99.9~~	~~99.9~~	~~100.0~~
2500	61.2	80.4	85.4	90.1	93.0	94.0	95.9	97.3	97.3	98.1	98.8	98.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ~~927~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
...WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

~~1 WBAN~~ ~~CHICAGO-O'HARE INTL IL~~ ~~24-83~~ ~~YEARS~~ ~~DEC~~

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~ALL~~

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	10	9	8	7	6	5	4	3½	3	2½	2	1½	1¼	1	0
22000+	32.7	33.1	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.1	35.1	35.1	35.1	35.1
20000	34.1	34.4	37.1	37.7	37.7	37.7	37.8	37.4	37.8	37.8	37.9	37.8	37.8	37.8	37.8	37.8
18000	36.1	36.5	37.1	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
16000	36.1	36.5	37.1	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
14000	36.3	36.7	37.3	37.9	38.0	38.0	38.0	38.1	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1
12000	38.1	38.5	39.2	39.8	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0
10000	39.1	39.8	41.6	42.2	42.3	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
9000	39.5	42.9	43.7	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6
8000	39.4	45.9	46.3	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3
7000	39.5	46.4	47.4	48.2	48.2	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
6000	47.1	47.9	49.4	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4
5000	41.2	44.1	5 .1	50.4	50.8	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1
4500	42.2	5 .6	51.8	52.6	52.7	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0
4000	42.3	50.0	52.1	52.9	53.1	53.2	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
3500	43.5	52.9	53.8	54.7	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
3000	44.1	54.7	56.1	57.1	57.2	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
2500	44.5	59.3	61.2	62.4	62.7	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
2200	41.2	63.2	65.1	66.8	67.3	67.5	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
2000	42.5	64.9	67.2	68.8	69.4	69.6	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1
1800	45.3	66.4	72.0	74.1	74.8	75.1	75.5	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9
1600	45.7	72.4	75.6	78.1	79.1	79.4	80.0	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5
1400	47.2	74.6	78.4	81.3	82.5	82.9	83.8	84.2	84.3	84.5	84.6	84.6	84.8	84.8	84.8	84.8
1200	47.3	75.1	79.1	82.4	83.7	84.1	85.1	85.6	85.6	85.9	86.1	86.1	86.2	86.2	86.2	86.2
1000	47.4	75.4	79.8	83.6	86.1	85.7	86.8	87.4	87.5	87.8	88.1	88.1	88.3	88.3	88.3	88.3
900	47.4	76.0	80.6	84.9	86.6	87.4	88.8	89.5	89.6	90.0	90.4	90.4	90.6	90.6	90.6	90.6
800	47.5	76.1	81.1	86.0	86.2	89.2	90.8	91.8	91.9	92.6	93.0	93.0	93.4	93.4	93.5	93.5
700	47.5	76.4	81.3	86.4	89.0	90.3	92.1	93.2	93.4	94.1	94.7	94.7	95.3	95.3	95.4	95.4
600	47.5	76.5	81.5	87.1	89.7	91.0	93.1	94.4	94.7	95.7	96.4	96.4	97.1	97.1	97.3	97.3
500	47.5	76.5	81.5	87.1	89.7	91.2	93.5	95.2	95.4	96.6	97.4	97.4	98.4	98.4	98.7	98.7
400	47.5	76.5	81.5	87.2	89.8	91.3	93.6	95.4	95.5	96.8	97.6	97.6	99.0	99.0	99.5	99.5
300	47.5	76.5	81.5	87.2	89.8	91.3	93.6	95.4	95.5	96.8	97.6	97.6	99.0	99.1	99.7	99.9
0	47.5	76.5	81.5	87.2	89.8	91.4	93.6	95.4	95.5	96.8	97.6	97.6	99.0	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS ~~2434~~

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS, THE AMOUNT OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 7/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

2

[illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] EATHER SERVICE/MAC

SKY COVER

[illegible]3	CHICAGO-O'HARE IAP IL	74-83	FEB
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]EB	[illegible]-05	2[illegible].4			1[illegible].1						12.5	4[illegible].0	6.3	846
	[illegible]-05	26.9			10.1						11.4	51.7	6.5	843
	06-[illegible]8	17.[illegible]			13.6						17.5	51.[illegible]	7.2	840
	[illegible]-11	1[illegible].2			16.1						20.0	48.7	7.2	846
	1[illegible]-14	14.4			1[illegible].4						23.3	48.9	7.4	846
	1[illegible]-17	16.7			14.1						1[illegible].5	49.8	7.2	846
	1[illegible]-20	23.[illegible]			14.5						11.8	49.8	6.5	846
	21-23	2[illegible].3			10.9						11.8	47.9	6.2	845
TOTALS		21.3			13.1						16.0	49.6	6.8	6758

USAFETAC FORM AUG 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

...L HAL CLIMATOLOGY BRANCH
...FETAC
A... FAT ER SERVICE/MAC

SKY COVER

3 ... CHICAG...C'HAWL I-P IL | 74-83 | JAN
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
J...	...-0...	2 .			1...3						10.2	...5	6.3	929
	0 - ...	3...3			...3						...9	51.6	6.3	927
	-0...	24.4			...7						11.9	53.9	6.8	929
	-11	1...1			11.7						1...1	52....	7.2	928
	1 -1...	16.2			1...8						1...6	51.4	7.3	928
	1 -1...	14.9			14.1						1...3	51....	7.3	929
	1 -2	21.			1...9						1...3	53.1	6.9	930
	1-23	25....			...8						10....	54.6	6.7	930
TOTALS		22.			11.1						14.1	52.4	6.9	7430

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

...L CLIMATOLOGY BRANCH
...ETAC
...WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...C CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥0
≥ 20000	37.3	44.3	46.1	47.4	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
	41.1	48.6	51.3	52.7	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5
≥ 18000	41.1	48.6	51.4	52.7	53.1	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
6000	41.0	48.7	51.4	52.8	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	41.2	48.9	51.7	53.0	53.5	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
5000	42.4	51.5	53.3	54.4	55.2	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6
≥ 11000	44.7	54.5	56.5	58.1	58.5	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
9000	45.1	56.1	58.2	59.8	60.3	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
8000	47.8	58.8	60.9	62.7	63.3	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8
7000	48.7	59.8	62.0	63.9	64.4	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
6000	49.4	60.9	63.2	65.0	65.6	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
5000	50.1	62.9	65.3	67.2	67.9	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4500	52.1	64.6	67.1	69.1	69.7	69.9	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
4000	52.5	65.1	67.6	69.7	70.4	70.5	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0
3500	53.1	67.1	69.7	71.8	72.6	72.7	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
3000	55.4	69.2	71.9	74.2	74.9	75.1	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
2500	59.1	72.7	75.6	78.1	79.0	79.1	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2000	64.6	75.1	78.2	80.9	81.9	82.1	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8
1800	70.3	76.1	79.3	82.1	83.1	83.3	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
1500	71.6	78.4	81.9	84.9	86.0	86.2	86.8	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2
1200	72.3	80.0	83.7	87.1	88.3	88.6	89.2	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7
1000	72.6	81.1	85.1	88.8	90.1	90.5	91.3	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.0
900	72.7	81.4	85.6	89.5	91.0	91.4	92.3	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0
800	72.8	81.8	86.1	90.2	91.8	92.3	93.3	93.8	93.8	94.1	94.1	94.1	94.2	94.2	94.3
700	72.9	82.0	86.5	90.9	92.6	93.2	94.3	94.9	94.9	95.2	95.3	95.3	95.4	95.4	95.4
600	73.1	82.2	86.9	91.5	93.5	94.1	95.4	96.2	96.2	96.6	96.7	96.7	96.8	96.8	96.9
500	73.1	82.2	87.1	91.8	93.9	94.6	96.1	96.9	96.9	97.4	97.5	97.5	97.7	97.7	97.8
400	73.1	82.2	87.1	92.1	94.2	95.1	96.5	97.5	97.6	98.1	98.4	98.4	98.6	98.6	98.7
300	73.1	82.3	87.1	92.3	94.2	95.1	96.7	97.8	97.8	98.5	98.8	98.8	99.1	99.2	99.3
200	73.1	82.3	87.1	92.3	94.2	95.1	96.7	97.8	97.8	98.5	98.9	98.9	99.4	99.5	99.7
100	73.1	82.3	87.1	92.3	94.2	95.1	96.7	97.8	97.8	98.6	98.9	98.9	99.5	99.5	99.8
0	73.1	82.3	87.1	92.3	94.2	95.1	96.7	97.8	97.8	98.6	98.9	98.9	99.5	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 87643

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL BAL CLIMATOLOGY BRANCH
SAFETAC
A WEATHER SERVICE/MAC

SKY COVER

[illegible]3.0 | CHICAGO-[illegible] MARE IAP IL | 74-83 | MAR
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]S	0-02	30.0			11.3						9.4	49.4	6.1	928
	3-05	2[illegible].5			1[illegible].9						10.9	49.7	6.3	926
	[illegible]-08	17.4			16.4						17.3	49.0	6.9	927
	[illegible]-11	12.[illegible]			1[illegible].0						22.3	52.8	7.6	928
	1[illegible]-14	[illegible].5			16.1						23.7	50.8	7.7	930
	1[illegible]-17	8.8			17.5						23.8	49.9	7.7	930
	1[illegible]-20	19.1			16.0						16.7	48.2	6.8	930
	[illegible]1-23	27.7			1[illegible].2						11.3	48.8	6.3	930
TOTALS		1[illegible].2			14.1						16.9	49.8	6.9	7429

USAPETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

CL PAL CLIM TOLOGY BRANCH
ETAC
A EAT ER SERVICE/MAC

SKY COVER

330	CHICAGO-O'HARE IAP IL	74-83	APR
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
P	00-02	[illegible]			11.7						12.7	45.1	6.[illegible]	900
	03-05	29.1			14.1						13.5	43.3	6.0	899
	06-08	21.6			14.9						19.3	44.2	6.6	900
	09-11	17.3			17.4						18.3	46.9	6.9	900
	12-14	12.1			17.4						24.2	46.2	7.3	900
	15-17	11.[illegible]			17.3						25.9	45.8	7.4	900
	18-20	18.1			17.7						17.8	46.4	6.8	900
	21-23	31.7			11.1						11.4	43.8	5.8	900
TOTALS		21.4			15.5						17.9	45.2	6.6	7199

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CL PAL CLIMATOLOGY RANCH
SAFETAC
A[illegible] SERVICE/MAC

SKY COVER

3 0	CHICAGO-O'HARE IAP IL	74-83	MAY
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	3[illegible].2			1[illegible].1						13.[illegible]	33.9	5.1	930
	[illegible]-05	27.8			17.8						1[illegible].0	36.3	5.8	930
	[illegible]-08	22.7			1[illegible].5						2[illegible].8	37.[illegible]	6.2	927
	-11	1[illegible].			2[illegible].0						22.5	38.1	6.5	926
	1 -14	11.4			2[illegible].5						26.7	36.5	6.8	930
	1 -17	13.5			[illegible]2.3						2[illegible].2	36.0	6.[illegible]	928
	1 -20	1[illegible].2			22.5						26.3	34.0	6.4	930
	1-23	33.			16.5						15.8	34.7	5.4	930
TOTALS		22.3			21.4						21.5	35.[illegible]	6.1	7431

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GL PAL CLIMATOLOGY BRANCH
USAFETAC
A EAT ER SERVICE/MAC

SKY COVER

7 3 0 | CHICAGO-O'HAR, IAP IL | 74-83 | JUN
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	37.3			17.2						16.8	28.7	4.9	897
	03-05	28.9			21.4						21.7	28.1	5.4	894
	06-08	20.8			22.3						24.9	32.0	6.1	900
	09-11	17.4			22.6						30.4	29.6	6.4	900
	12-14	10.3			27.9						32.8	29.0	6.7	900
	15-17	10.1			29.3						33.3	27.2	6.6	900
	18-20	17.1			30.9						25.0	27.0	5.9	900
	21-23	34.5			22.3						16.5	26.7	4.8	898
TOTALS		22.1			24.2						25.2	28.5	5.9	7189

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725300 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — PERIOD
JUL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	46.3			19.1						13.7	20.9	3.9	927
	03-05	33.5			24.6						16.7	25.2	4.8	923
	06-08	23.5			25.6						22.1	28.8	5.6	923
	09-11	21.0			26.5						27.7	24.8	5.8	930
	12-14	12.9			30.9						34.3	22.0	6.2	927
	15-17	11.5			36.2						31.0	21.3	6.0	927
	18-20	21.7			32.5						24.9	20.9	5.3	930
	21-23	42.8			22.6						14.7	19.9	4.0	925
TOTALS		26.6			27.3						23.1	23.0	5.2	7412

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SKY COVER

725300	CHICAGO-O'HARE IAP IL	74-83	AUG
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	36.6			17.7						17.4	28.3	4.9	920
	03-05	30.3			23.0						17.4	29.4	5.2	915
	06-08	18.3			22.1						25.2	34.4	6.4	922
	09-11	12.7			26.6						26.9	33.8	6.6	927
	12-14	9.4			26.3						34.8	29.5	6.9	930
	15-17	9.7			30.9						31.4	28.1	6.6	930
	18-20	16.6			27.3						29.5	26.6	6.1	928
	21-23	29.9			22.2						20.8	27.1	5.2	929
TOTALS		20.4			24.5						25.4	29.7	6.0	7401

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

7253.0	CHICAGO-O'HARE IAP IL	74-83	SEP
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	43.5			15.5						14.4	26.6	4.4	895
	03-05	40.7			16.4						13.9	29.0	4.6	891
	06-08	26.5			25.1						19.8	28.6	5.4	895
	09-11	21.4			26.7						23.7	28.3	5.8	899
	12-14	16.1			30.4						27.6	25.9	6.0	900
	15-17	18.9			30.1						25.4	25.7	5.8	900
	18-20	30.6			25.7						20.9	22.9	4.9	900
	21-23	44.6			17.1						14.3	24.1	4.2	897
TOTALS		30.3			23.4						20.0	26.4	5.1	7177

USAFETAC FORM AWS 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

SKY COVER

7353 0	CHICAGO-O'HARE IAP IL	74-83	OCT
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	39.3			12.1						13.0	35.6	5.1	926
	03-05	37.9			14.5						10.8	36.7	5.1	928
	06-08	22.1			22.3						22.5	33.1	6.0	928
	09-11	17.5			24.1						26.3	32.1	6.3	926
	12-14	14.9			21.5						29.5	34.1	6.7	930
	15-17	16.9			21.5						26.3	35.3	6.5	930
	18-20	29.5			16.6						17.8	36.1	5.7	930
	21-23	35.7			14.0						16.7	33.7	5.3	930
TOTALS		26.7			18.3						20.4	34.6	5.8	7428

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725330 | CHICAGO-O'HARE IAP IL | 74-83 | NOV
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	26.4			10.4						12.1	51.0	6.5	900
	03-05	28.5			9.2						12.6	49.7	6.4	895
	06-08	18.3			15.3						17.2	49.2	6.9	896
	09-11	12.9			17.7						19.9	49.5	7.3	899
	12-14	12.3			16.4						21.4	49.9	7.4	899
	15-17	13.8			13.8						20.3	52.1	7.4	898
	18-20	22.7			9.9						14.0	53.4	6.9	900
	21-23	23.8			9.6						12.0	54.7	6.8	900
TOTALS		19.9			12.8						16.2	51.2	7.0	7187

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725 30	CHICAGO-O'HARE IAP IL	74-83	DEC
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	23.8			9.5						10.1	56.7	6.9	930
	03-05	23.0			9.7						9.7	57.5	6.9	925
	06-08	17.5			12.4						12.6	57.5	7.3	930
	09-11	12.9			14.4						17.4	55.3	7.5	930
	12-14	12.0			14.3						20.6	53.0	7.6	930
	15-17	11.3			15.4						18.9	54.4	7.6	930
	18-20	19.2			11.3						11.4	58.0	7.2	927
	21-23	23.5			8.7						10.3	57.5	6.9	926
TOTALS		17.9			12.0						13.9	56.2	7.2	7428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

SKY COVER

725300 CHICAGO-O'HARE IAP IL 74-83 ALL

STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	22.5			11.1						14.1	52.4	6.9	7430
FEB		21.3			13.1						16.0	49.6	6.8	6758
MAR		19.2			14.1						16.9	49.8	6.9	7429
APR		21.4			15.5						17.9	45.2	6.6	7199
MAY		22.3			20.4						21.5	35.8	6.1	7431
JUN		22.1			24.2						25.2	28.5	5.9	7189
JUL		26.6			27.3						23.1	23.0	5.2	7412
AUG		20.4			24.5						25.4	29.7	6.0	7401
SEP		30.3			23.4						20.0	26.4	5.1	7177
OCT		26.7			18.3						20.4	34.6	5.8	7428
NOV		19.8			12.8						16.2	51.2	7.0	7187
DEC		17.9			12.0						13.9	56.2	7.2	7428
TOTALS		22.5			18.1						19.2	40.2	6.3	87469

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

   a. Daily maximum temperatures
   b. Daily minimum temperatures
   c. Daily mean temperatures

   NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: The following symbols are used in the extreme data blocks:

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

      NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

      NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

72530 CHICAGO-O'HARE IAP IL 46-83
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100						.1	.5						.1
95						1.3	3.2	3.3	1.3				.8
90					.1	2.4	11.6	18.2	15.2	5.6	.2		4.4
85				.1	1.1	10.0	29.7	44.6	37.6	15.1	2.1		11.7
80				.2	3.8	20.5	50.1	71.9	64.1	30.4	8.9		20.8
75			1.3	9.9	34.8	71.7	90.4	86.7	49.2	18.7	.4		35.2
70		.1	3.2	20.6	49.8	84.9	97.7	96.3	70.8	31.1	3.2	.1	38.1
65	.1	.4	7.2	31.3	64.5	94.0	99.8	99.5	87.3	45.9	8.2	.4	44.8
60	.6	1.3	12.3	44.8	78.8	97.9	100.0	100.0	95.4	64.1	16.8	2.7	51.2
55	1.8	3.3	18.8	58.2	89.4	99.7			98.9	79.1	29.1	5.7	57.0
50	3.7	7.0	27.6	71.8	96.2	100.0			99.9	91.6	44.4	9.0	62.6
45	8.1	14.1	40.7	84.8	99.0				100.0	97.1	57.8	15.7	68.1
40	16.2	25.7	58.2	94.8	99.8					99.1	74.1	27.6	74.7
35	35.0	46.3	78.3	98.9	100.0					100.0	86.8	52.5	83.2
30	56.1	67.6	90.8	99.9							94.8	72.4	90.2
25	69.7	81.8	97.3	100.0							98.0	83.4	94.1
20	79.5	90.8	99.2								99.2	91.5	96.7
15	86.8	95.3	99.9								99.7	95.3	98.1
10	92.9	97.7	100.0								99.9	98.0	99.0
5	96.6	98.9									100.0	99.2	99.6
0	99.3	100.0										99.7	99.9
-5	99.7											99.8	100.0
-10	100.0											99.9	100.0
-15												100.0	100.0
MEAN	29.5	33.4	43.7	57.9	69.2	78.9	83.2	82.0	74.7	63.9	47.6	34.7	58.2
S D	12.032	10.947	12.087	12.179	11.282	8.617	6.587	6.864	9.029	10.668	11.754	11.336	21.758
TOTAL OBS	1147	1045	1147	1113	1147	1109	1140	1137	1096	1163	1139	1178	13558

USAFETAC FORM 0-21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

725340 CHICAGO-O'HARE IAP IL 46-83
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80							.1						.0
75						.9	2.8	2.0					.5
70					.7	6.1	15.1	13.2	3.1	.2			3.2
65				.7	4.2	20.7	41.0	36.9	11.6	1.5			9.7
60				2.0	11.4	42.6	69.0	63.5	28.0	5.3	.2		18.5
55			.4	4.9	20.1	62.3	87.5	84.0	44.6	12.1	1.5	.1	26.4
50			1.7	10.5	38.0	82.1	96.9	94.4	64.3	23.5	4.7	.6	34.7
45	.3	.4	3.6	21.4	60.4	95.0	99.6	98.9	82.7	40.4	10.6	1.4	42.8
40	.7	1.0	8.5	40.2	82.0	99.6	100.0	100.0	94.8	61.6	20.3	3.4	51.0
35	3.5	5.6	20.1	63.1	94.3	100.0			98.8	80.9	34.1	10.0	59.2
30	6.1	10.2	28.3	73.2	97.2				99.4	85.2	42.2	14.4	63.1
25	12.4	18.4	43.9	85.7	99.1				99.9	92.3	55.1	23.3	69.2
20	26.2	35.1	62.2	96.2	99.9				100.0	97.4	75.1	37.9	77.6
15	39.4	50.5	79.4	99.0	100.0					99.7	88.7	55.9	84.4
10	53.5	62.6	90.5	99.7						100.0	94.7	69.2	89.0
5	60.7	73.0	95.6	99.9							97.5	80.0	92.3
0	71.3	82.8	98.1	100.0							99.0	87.7	94.9
-5	81.7	90.0	99.4								99.8	92.5	97.0
-10	90.4	96.2	99.9								99.9	95.8	98.5
-15	95.0	98.6	100.0								100.0	98.0	99.3
-20	98.7	99.8										99.3	99.8
-25	99.9	100.0										99.8	100.0
-30	100.0											100.0	100.0
MEAN	13.0	17.7	27.1	38.1	47.3	57.4	62.6	61.7	53.3	42.7	30.9	19.8	39.3
S D	13.729	12.383	9.858	8.856	8.782	7.894	6.722	7.065	8.994	9.643	10.422	12.680	19.495
TOTAL OBS	1147	1045	1147	1110	1147	1109	1140	1141	1112	1166	1139	1178	13571

USAFETAC FORM 0-21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

725300 CHICAGO-O'HARE IAP IL 46-83
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100							.1						.0
95						.6	2.2	1.9	.4				.4
90					.6	5.7	14.2	12.1	3.5	.1			3.0
85				.6	5.4	25.4	41.2	36.1	12.3	1.0			16.2
80				2.2	14.0	45.7	71.8	65.3	26.3	5.0			19.2
75			.4	5.7	26.2	68.3	92.0	87.2	46.0	13.2	.7	.1	28.3
70			1.8	13.9	44.4	85.8	98.9	97.9	71.1	26.2	3.1		36.8
65		.2	5.0	26.5	64.7	96.9	100.0	99.8	87.9	44.1	7.8	.8	44.4
60	.5	1.6	9.7	42.3	81.8	99.9		100.0	96.7	64.1	17.4	2.9	51.3
55	1.5	3.3	17.6	60.5	93.9	100.0			99.6	83.1	30.3	5.4	57.9
50	4.4	8.1	31.8	80.4	98.9				100.0	93.9	49.5	11.5	64.9
45	14.1	22.3	52.7	94.6	100.0					98.4	68.8	25.6	73.1
40	29.0	41.4	73.2	98.8						99.8	83.7	44.9	80.9
35	46.5	57.6	87.3	99.7						100.0	93.2	65.3	87.5
30	59.7	72.3	94.9	100.0							97.2	78.3	91.9
25	70.6	83.0	98.0								98.7	87.1	94.8
20	81.0	92.0	99.8								99.6	92.0	97.0
15	89.7	95.7	100.0								99.9	96.2	98.5
10	94.3	98.2									100.0	98.6	99.3
5	98.3	99.8										99.4	99.8
0	99.5	100.0										99.7	99.9
-5	100.0											99.9	100.0
-10												100.0	100.0
MEAN	21.6	25.8	35.6	48.2	58.5	68.9	73.1	72.0	64.2	53.6	38.8	27.4	
S D	12.432	11.135	13.307	9.880	9.316	7.614	5.937	6.249	8.222	9.30	10.04	14.4	
TOTAL OBS	1147	1045	1147	1110	1147	1109	1140	1137	1095	1161	1111	1111	

USAFETAC FORM 0-21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725300 CHICAGO-O'HARE IAP IL 46-83
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46										* 90	64	64	
47	55	46	54	72	83	91*	90*	99*	92*	85	58	54	* 99
48	58	52	72	82	82*	91*	91	97*	91	79*	68	59	97
49	58	51	72	75	90	93	97	93	84	85	70	60	97
50	56	47	62	74	92	89	91	92	84	84	78	49	92
51	47	54	65	83	87	90	88	91	86	86	63	61	91
52	55	51	64	81	90	96	95	92	93	85	72	56	96
53	55	54	74	80	90	100	93	97	99	86	71	55	100
54	48	66	65	82	86	95	93	92	94	88	67	44	95
55	47	51	68	81	87	91	100	98	93	77	68	49	100
56	45	45	58	81	91	94	102	96	87	85	71	61	102
57	56	62	69	79	82	90	92	90	91	72	62	57	92
58	39	56	54	82	85	87	89	93	86	81	71	49	93
59	41	53	74	75	92	92	94	94	97	76	63	57	97
60	58	42	71	86	82	86	92	93	99	82	69	1	99
61	52	60	72	76	86	92	91	93	89	80	77	62	93
62	42	51	69	85	92	91	90	94	91	88	64	64	94
63	43	48	80	82	90	92	95	91	90	91	69	56	95
64	60	55	66	84	89	92	93	96	94	80	74	48	96
65	61	57	58	75	87	90	94	91	88	82	73	58	94
66	49	55	76	76	85	91	97	90	90	83	71	61	97
67	61	49	79	75	92	91	87	86	85	87	59	61	92
68	61	54	78	81	85	94	92	96	88	84	71	53	96
69	62	43	74	79	90	96	92	90	83	85	60	46	96
70	51	50	59	86	86	93	95	91	88	79	60	67	95
71	44	56	74	85	88	97	90	94	94	90	77	62	97
72	47	62	70	77	88	92	93	93	83	78	61	49	93
73	57	50	70	77	77	91	95	95	92	82	65	64	95
74	55	54	76	82	84	90	97	89	87	78	74	45	97
75	60	49	73	76	91	90	94	94	85	87	75	64	94
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

B (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72530 CHICAGO-O'HARE IAP IL 46-83

STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	39	71	77	85	82	94	98	95	90	83	61	49	98
77	30	58	71	87	93	96	98	92	86	74	73	56	98
78	39	37	78	73	88	89	90	92	95	80	78	43	95
79	36	42	73	77	90	93	94	93	87	84	71	62	94
80	56	46	59	91	88	91	102	95	90	80	68	65	102
81	53	62	87	84	83	96	94	89	86	76	71	52	96
82	34	49	63	73	92	92	95	95	88	87	67	71	95
83	43	61	75	82	77	99	100	99	95	88	66	36	100
MEAN	39.2	52.4	69.5	80.0	87.1	92.4	94.1	93.1	89.7	82.6	68.4	56.1	95.9
SD	6.412	7.372	7.596	6.598	4.119	3.055	3.678	2.771	4.357	4.557	5.655	7.611	2.784
TOTAL OBS	1147	1045	1147	1110	1147	1109	1140	1137	1096	1163	1139	1178	13558

NOTES # (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-3 (OL-A)

§ (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725330 CHICAGO-O'HARE IAP IL 46-83
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46										* 29	13	-2	
47	-5	-5	7	28	28	41*	49*	45*	32*	3	-10	8	-10
48	-11	-7	-2	25	30*	45*	52	47*	44	18*	21	8	-11
49	-5	-4	13	24	31	43	51	48	34	24	9	1	-5
50	-3	-7	1	21	33	42	47	43	35	21	3	-19	-19
51	-22	-17	11	28	35	40	48	46	34	29	5	-15	-22
52	-5	13	3	26	36	44	54	49	39	19	11	13	-5
53	-6	0	13	27	36	44	51	50	37	31	13	-2	-6
54	-1	5	3	17	30	48	52	52	43	27	18	17	-10
55	-14	-17	3	29	34	46	55	50	40	28	2	0	-14
56	-1	4	17	25	34	41	51	48	32	31	12	7	-1
57	-16	8	10	18	33	42	54	52	36	29	11	3	-16
58	-9	-11	22	27	33	40	53	45	36	30	1	-14	-14
59	-13	-9	15	26	39	48	52	57	40	25	2	15	-13
60	5	4	-1	24	34	48	55	55	45	27	19	-17	-17
61	-8	6	15	20	31	41	46	48	32	25	23	-4	-8
62	-15	-5	-8	24	39	44	49	48	33	19	21	-13	-15
63	-19	-9	3	26	29	36	45	42	38	27	18	-16	-19
64	-19	2	2	19	34	39	46	41	32	20	5	-3	-13
65	-13	-14	-1	28	32	44	40	41	40	32	16	9	-14
66	-20	-5	16	24	24	39	48	48	36	22	20	2	-20
67	-11	-17	3	25	31	43	46	42	40	28	16	-11	-17
68	-13	-1	12	27	31	43	48	50	42	27	22	-9	-13
69	-8	10	11	29	39	43	55	53	42	25	15	13	-8
70	-15	-6	15	29	34	48	51	55	39	30	10	6	-15
71	-4	-5	15	24	31	48	49	53	41	36	17	10	-5
72	-17	-12	7	14	35	36	44	51	36	25	22	-13	-17
73		2	24	25	33	50	55	57	43	34	18	2	0
74	-13	2	5	25	32	49	53	51	28	27	20	3	-13
75	2	-7	13	13	37	47	53	57	42	31	19	4	-7
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-8-5 (OL-A)

& (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72530 CHICAGO-O'HARE IAP IL 46-83
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	-9	-13	18	25	33	46	52	47	34	22	1	-8	-13
77	-17	-7	22	24	31	42	52	48	49	31	2	-7	-17
78	-9	-4	-3	28	29	42	52	49	43	31	11	-2	-9
79	-17	-14	4	19	30	44	43	45	43	27	18	1	-17
80	5	-5	-1	29	35	41	5.	57	42	24	17	-8	-8
81	-9	-11	15	22	31	49	51	51	35	17	13	-2	-11
82	-26	-14	-1	7	36	40	46	43	40	22	13	7	-26
83	3	3	13	22	27	41	45	59	35	32	18	-25	-25
MEAN	-9.9	-4.3	8.2	23.5	32.8	43.4	49.8	49.4	38.1	26.5	12.5	-1.7	-12.9
S D	7.233	7.689	7.856	4.863	3.386	3.666	3.872	4.971	4.464	4.663	7.662	10.309	6.209
TOTAL OBS	1147	1045	1147	1110	1147	1109	1140	1141	1122	1166	1139	1178	13571

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM AM 60 0-80-3 (OEA)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

PAGE 1 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
54/ 51		.5																2	2		
52/ 51		.1																1	1	3	
5?/ 49																					3
48/ 47			.5															2	2		
46/ 45		.1	.1															2	2		
44/ 43		.3	.1															6	6	3	
42/ 41	.1	.0		.1														10	10	7	1
40/ 39	.1	.4	.4															10	10	12	10
38/ 37		.4	1.2															15	15	7	9
36/ 35	.5	2.4	1.7															53	53	20	4
34/ 33	1.6	4.4	.3															59	59	70	33
32/ 31	.4	7.3	1.3															78	78	56	46
30/ 29	.4	3.2	1.6															49	49	62	51
28/ 27	.3	4.7	.8															54	54	54	39
26/ 25	.1	3.5																34	34	58	49
24/ 23	.1	3.3	.2															34	34	42	35
22/ 21	.0	3.4	.5															46	46	33	51
20/ 19	1.2	.6	.3															66	66	49	50
18/ 17		2.7	.4															29	29	52	41
16/ 15	.3	3.5	.4															40	40	29	33
14/ 13	.6	2.8	.2															34	34	41	47
12/ 11	1.1	3.1																39	39	34	41
10/ 9	.1	2.6																28	28	37	30
8/ 7	.2	2.8																28	28	35	33
6/ 5	.3	3.8																38	38	42	21
4/ 3	.2	5.5																53	53	44	29
2/ 1	.2	4.0																39	39	53	24
0/ -1	1.7	.8																23	23	22	23
-2/ -3	.5	1.6																20	20	20	34
-4/ -5	.6	.8																13	13	14	31
-6/ -7	.2	.1																3	3	9	32
-8/ -9	.1																	1	1	1	29
-10/-11	1.1																	10	10	10	29
-12/-13	.2																	2	2	2	17

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 80 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JAN MONTH

 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-14/-15	.3																	3	3	3	17
-16/-17																					8
-18/-19	.2																	2	2	2	10
-20/-21	.1																	1	1	1	6
-22/-23	.3																	3	3	3	2
-24/-25																					5
-26/-27																					1
-32/-33																					3
-34/-35																					3
TOTAL	14.5	75.7	9.7	.1															930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	52607?6	68966	74.2	12.557	930							
Dry Bulb	5?4234	17702	19.0	13.419	930	8.1	77.?					93
Wet Bulb	453505	16461	17.7	13.?88	930	8.7	80.8					93
Dew Point	346?2?	11164	12.?	15.803	930	25.0	87.?					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JAN — MONTH

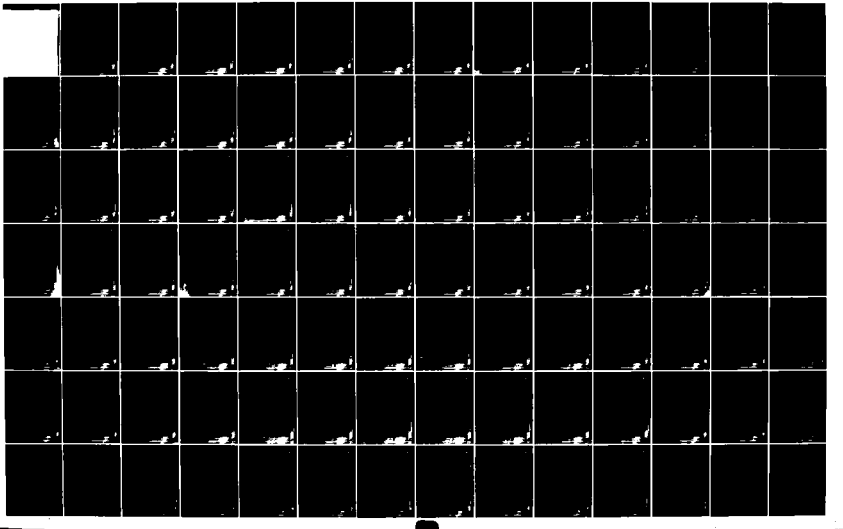
PAGE 2
0300-0500 — HOURS (L. S. T.)

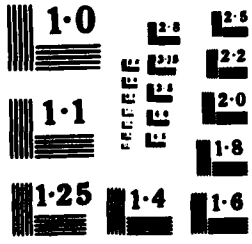
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
54/ 53		.*																3	3		
52/ 51																				3	2
50/ 49																					1
46/ 45		.3	.2															5	5	2	
44/ 43		.*																3	3	1	2
42/ 41	.1	.4	.2															7	7	7	2
40/ 39	.1	.6	.2															9	9	5	7
38/ 37		.4	.3															12	12	9	4
36/ 35	.3	3.4	.5															40	40	15	6
34/ 33	.6	4.2	1.4															58	58	54	19
32/ 31	.5	5.2	1.2	.1														73	73	59	49
30/ 29	.6	3.1	2.6															59	59	60	50
28/ 27	.8	4.2	.5															51	51	49	40
26/ 25	.3	3.7	.5															62	42	66	51
24/ 23	.2	3.2	.1															33	33	82	22
22/ 21	.5	3.7	.1															40	40	44	41
20/ 19	1.6	4.8	.1															61	61	50	64
18/ 17	.3	3.3	.3															37	37	44	53
16/ 15	.1	2.7	.2															28	28	29	35
14/ 13	.9	3.2	.2															40	40	36	46
12/ 11	1.0	1.5	.1															27	27	43	33
10/ 9	.6	3.1	.1															36	36	33	35
8/ 7	.4	3.3																35	35	31	36
6/ 5	.6	3.8																37	37	36	18
4/ 3	.1	3.2																31	31	37	27
2/ 1	.1	5.3																52	52	47	24
0/ -1	1.7	1.9																34	34	34	28
-2/ -3	.2	1.7																18	18	27	22
-4/ -5	.3	1.1																15	15	14	28
-6/ -7	1.2	.2																13	13	22	25
-8/ -9	1.2																	11	11	12	37
-10/-11	.3																	3	3	3	41
-12/-13	.2																	2	2	2	16
-14/-15	.3																	5	5	5	19

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AS 54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A147 206 O'HARE INTERNATIONAL AIRPORT CHICAGO REVISED UNIFORM SUMMARY OF SURFACE W..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84
UNCLASSIFIED USAFETAC/DS-84/033 SBI-AD-E850 751 F/G 4/2 NL
4/6




1·0
1·1
1·25
1·4
1·6
1·8
2·0
2·2
2·5

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72830 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JAN — MONTH

0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
-16/-17	.3																		3	3	3	9
-18/-19																						16
-20/-21	.1																		1	1	1	12
-22/-23	.5																		5	5	5	5
-24/-25																						2
-26/-27																						2
-28/-29																						4
-34/-35																						1
-36/-37																						2
TOTAL	17	173	9	6	1															930		930
																			930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	52*8491	69183	74.4	12.361	930							
Dry Bulb	476569	16657	17.9	13.852	930	11.3	79.3					93
Wet Bulb	427*27	15493	16.7	13.485	930	12.8	83.4					93
Dew Point	353585	10238	11.0	16.102	930	26.7	88.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

 0600-0800 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
54/ 53		.3																3	3		
52/ 51																				3	2
50/ 49																					1
48/ 47		.1																1	1		
46/ 45		.1																3	3	2	
44/ 43		.2																2	2	2	3
42/ 41		.7	.2															5	5	5	
40/ 39	.1	.3	.2															6	6	2	6
38/ 37	.1	1.7	.6															25	25	8	9
36/ 35	.3	2.7	1.0															37	37	31	9
34/ 33		2.9	1.7	.1														37	37	29	19
32/ 31	.1	6.5	.9															69	69	45	30
30/ 29	.6	3.7	1.5															54	54	65	49
28/ 27	1.3	4.4	.8															57	57	53	38
26/ 25	.2	4.5	.2															46	46	63	50
24/ 23	.2	2.7	.1															28	28	46	26
22/ 21	1.2	3.9	.3															49	49	49	47
20/ 19	.9	5.4	.2															60	60	42	62
18/ 17	.3	2.3	.4															28	28	48	40
16/ 15	.8	3.8	.1															43	43	42	47
14/ 13	1.8	3.1	.1															47	47	41	48
12/ 11	.9	1.8	.2															27	27	35	42
10/ 9	.5	2.7																30	30	29	44
8/ 7	.5	3.8																40	40	33	28
6/ 5	.5	3.2																35	35	47	26
4/ 3	.1	2.8																28	28	28	19
2/ 1	.3	4.6																46	46	44	25
0/ -1	1.9	1.9																27	27	32	27
-2/ -3	1.1	1.7																26	26	26	29
-4/ -5	1.0	.3																12	12	18	22
-6/ -7	.9																	8	8	11	33
-8/ -9	2.4																	22	22	22	30
-10/-11	1.3																	12	12	12	29
-12/-13	.4																	4	4	4	14

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JAN MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				Dry Bulb	Wet Bulb	Dew Point
-14/-15	.4																			4	4	4	15
-16/-17	.5																			5	5	5	22
-18/-19																							12
-20/-21	.1																			1	1	1	14
-22/-23	.2																			2	2	2	11
-24/-25	.1																			1	1	1	2
-26/-27																							2
-28/-29																							5
-30/-31																							3
TOTAL	30.5	71.1	8.5		.1																930		930
																				930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5265553	69119	74.3	11.762	930							
Dry Bulb	456502	16002	17.2	13.965	930	12.4	81.1					93
Wet Bulb	378446	14896	16.0	13.522	930	13.8	84.8					93
Dew Point	338819	9607	10.3	16.059	930	27.0	89.1					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JAN MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible] / 81		.1																1	1		
[illegible] / 79		.2				.1												3	*	1	
[illegible] / 77																				2	1
[illegible] / 75		.3	.2	.1														6	6	2	2
[illegible] / 73		.4	.2	.1														5	5	1	2
[illegible] / 71		.1	.4	.1														6	6	6	3
[illegible] / 69	.4	1.4	.5	.1														17	17	8	2
[illegible] / 67	.1	2.0	1.4															35	35	14	6
[illegible] / 65	.1	2.1	1.1	.8														44	44	28	12
[illegible] / 63	.2	2.8	1.2	.2														41	41	55	28
[illegible] / 61	.1	4.5	2.4	.4														69	69	35	40
[illegible] / 59	.6	4.5	1.9	.2														67	67	60	45
[illegible] / 57	.3	3.9	.4	.2														45	45	73	50
[illegible] / 55		4.8	.9	.1														54	54	56	42
[illegible] / 53		4.8	.6															44	44	55	33
[illegible] / 51	.4	4.6	.3															50	50	57	38
[illegible] / 49	.9	5.6	1.1															70	70	51	74
[illegible] / 47	.3	4.3	.9															51	51	60	49
[illegible] / 45	.4	1.7	.4															24	24	49	48
[illegible] / 43	.3	3.4	.1															36	36	25	50
[illegible] / 41	.2	3.5		.1														35	35	38	40
[illegible] / 39	.1	4.6		.1														45	45	38	27
[illegible] / 37	.1	3.7																31	31	39	32
[illegible] / 35	.1	2.5																25	25	38	19
[illegible] / 33		2.8																26	26	24	32
[illegible] / 31	.1	3.1																29	29	30	34
[illegible] / -1	.5	1.1																17	17	21	30
[illegible] / -3	.3	1.7																11	11	19	23
[illegible] / -5	.6	.5																12	12	11	35
[illegible] / -7	.6	.1																7	7	10	19
[illegible] / -9	1.1																	10	10	10	24
[illegible] / -11	.5																	5	5	5	13
[illegible] / -13	.1																	1	1	1	11
[illegible] / -15	.5																	5	5	5	25

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JAN MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-16/-17																					14
-14/-19																					11
-20/-21																					5
-22/-23	.2																	2	2	2	
-24/-25	.1																	1	1	1	1
-26/-27																					5
-28/-29																					1
-32/-33																					1
-34/-35																					3
-36/-37																					1
TOTAL	9.6	73.0	14.4	2.8		.1												930	930	930	930

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4873767	66295	71.3	12.61	930							
Dry Bulb	531662	18736	20.1	12.887	930	7.1	77.2					93
Wet Bulb	460431	17171	18.5	12.424	930	8.5	81.3					93
Dew Point	350260	11294	12.1	15.149	930	22.2	88.4					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JAN — MONTH

PAGE 1
1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
58 / 57		.1																1	1		
56 / 55		.1																1	1	1	
54 / 53		.1																2	2	1	2
52 / 51				.1	.1	.1												4	4	1	1
50 / 49		.1		.2		.1												4	4		
48 / 47		.2		.3														5	5	1	1
46 / 45				.1														1	1	4	2
44 / 43		.1		.5	.2													8	8	3	
42 / 41		1.0	.6	.3	.1													21	21	7	
40 / 39		1.2	1.0	.7	.1													30	30	14	5
38 / 37	.3	1.4	1.2	.5	.2													28	28	25	15
36 / 35		3.7	2.3	.5														60	60	31	9
34 / 33		1.9	2.4	.9	.2													47	47	52	13
32 / 31		6.6	3.0	1.5														103	103	50	44
30 / 29	.3	2.7	2.1	.2														59	59	91	42
28 / 27	.2	3.9	2.2	1.3														66	66	58	64
26 / 25		2.6	1.5	.1														40	40	78	47
24 / 23		2.5	2.4															45	45	60	41
22 / 21	.5	3.2	1.7															51	51	54	38
20 / 19	.3	4.7	3.5	.1														81	81	48	80
18 / 17		2.3	2.3	.1														42	42	63	40
16 / 15		2.1	1.1															32	32	46	42
14 / 13		2.6	.6															30	30	41	73
12 / 11		2.8	.1															27	27	31	40
10 / 9		2.2	.3															32	32	29	26
8 / 7		2.6																24	24	32	36
6 / 5		1.1																10	10	27	25
4 / 3		2.3																23	23	11	40
2 / 1		2.8																26	26	31	34
0 / -1	.3	.1																4	4	16	27
-2 / -3		.2																2	2	3	26
-4 / -5	.4	.2																4	4	2	19
-6 / -7	.6																	6	6	8	20
-8 / -9	.5																	5	5	5	10

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS-54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible]3 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JAN — MONTH

PAGE 2 — 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
[illegible]/-11																						23
[illegible]/-13																						16
[illegible]/-15	.3																		3	3	3	10
[illegible]/-17	.1																		1	1	1	6
[illegible]/-19	.1																		1	1	1	5
[illegible]/-21	.1																		1	1	1	2
[illegible]/-23																						1
[illegible]/-25																						1
[illegible]/-27																						3
[illegible]/-29																						1
[illegible]/-31																						1
[illegible]/-33																						2
[illegible]/-35																						1
TOTAL	.5	.1	.2	.9	.7	.6	.9	.1	.[illegible]								.2	.1		93[illegible]		930
																			930		930	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4270910	61776	66.4	23.823	930							
Dry Bulb	656[illegible]75	22019	23.7	12.056	930	2.7	71.8					93
Wet Bulb	541666	19762	21.2	11.448	930	6.0	79.0					93
Dew Point	368967	12807	13.8	16.248	930	17.4	88.2					93

USAFETAC FORM 0-26-5 (OL A) 80-4 — PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE TAF IL 78-83 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 59		.1																1	1		
[illegible] / 57		.2																2	2	2	1
[illegible] / 55																				1	2
[illegible] / 53				.2														2	2		
[illegible] / 51		.3		.2	.1	.2												8	8	1	
[illegible] / [illegible]				.2														1	1	2	2
[illegible] / 47				.1														1	1	2	1
[illegible] / 45			.1	.1	.3													5	5	2	
[illegible] / 43		.1	.2	.3	.3													9	9	2	
[illegible] / 41		.8	.8	.2	.1													17	17	7	1
[illegible] / 39		.3	1.3	.2	.1													18	18	11	5
[illegible] / 37	.4	2.8	1.8	.5	.1													49	49	22	13
[illegible] / 35		3.5	2.5	.5														52	52	41	9
[illegible] / 33	.1	2.2	3.6	.4														60	60	51	16
[illegible] / 31	.1	5.5	2.8	1.3	.1													88	88	58	47
[illegible] / 29	.8	3.0	2.3	.3														50	50	91	50
[illegible] / 27	.3	3.9	3.5	.4														70	70	48	46
[illegible] / 25	.1	3.7	1.9	.3														56	56	65	63
[illegible] / 23	.1	2.[illegible]	1.[illegible]															29	29	71	35
[illegible] / 21	.6	2.8	2.7															57	57	56	43
[illegible] / 19	.1	6.8	2.6	.1														71	71	36	66
[illegible] / 17		3.[illegible]	2.[illegible]															47	47	61	50
[illegible] / 15		2.8	.9															34	34	53	48
[illegible] / 13	.1	2.9	.5															33	33	40	41
[illegible] / 11	.1	2.[illegible]	1.[illegible]															35	35	37	33
[illegible] / 9		2.9	.[illegible]															30	30	31	43
[illegible] / 7		2.[illegible]																21	21	33	42
[illegible] / 5		.8																7	7	23	22
[illegible] / 3		2.6																24	24	11	40
[illegible] / 1		2.6																24	24	34	32
[illegible] / -1	.4	.1																5	5	13	24
[illegible] / -3	.1	.5																6	6	6	26
[illegible] / -5	.3	.3																4	4	3	28
[illegible] / -7	.4																	2	2	4	12

Element (X)	$\Sigma x'$	Σx_R	$\bar{x}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
Ref. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JAN MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-[illegible]/-9	.5																	3	3	3	15
-[illegible]/-11	.2																	2	2	2	26
-[illegible]/-13	.1																	1	1	1	14
-[illegible]/-15	.2																	2	2	2	13
-[illegible]/-17	.3																	3	3	3	4
-[illegible]/-19	.1																	1	1	1	4
-[illegible]/-21																					3
-[illegible]/-23																					1
-[illegible]/-25																					2
-[illegible]/-27																					3
-[illegible]/-29																					3
TOTAL	5.5	6.3	32.0	9.2	1.2	.2												930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9297871	61955	66.6	13.533	930							
Dry Bulb	656163	21983	23.6	9.123	930	2.9	70.5					93
Wet Bulb	548899	19777	21.3	11.569	930	5.8	78.6					93
Dew Point	370782	12850	13.8	16.422	930	17.9	88.0					93

FORM 0-26-5 (OL A) previous editions of this form are obsolete

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725340 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JAN — MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 56			.1															2	2		
57 / 57		.1																1	1		
55 / 55		.1																1	1	3	
54 / 54		.1																2	2	1	3
52 / 52																				2	3
[illegible] / 49			.1	.3														4	4		
47 / 47			.1															1	1		
46 / 46		.1	.3															4	4	3	
44 / 45		.1	.2															3	3	4	
42 / 41		.3	.1	.1														5	5	5	1
40 / 39		1.0	1.0															18	18	4	10
36 / 37	.6	1.8	1.2	.1														35	35	21	9
34 / 35	.1	4.1	2.5	.4														63	63	29	12
32 / 33	.6	3.8	1.4	.3														56	56	63	22
30 / 31	.2	6.0	2.7															83	83	50	59
28 / 29	.2	2.8	1.2	.1														40	40	83	39
26 / 27	.9	4.4	1.6															64	64	57	46
24 / 25		3.8	1.5	.1														50	50	55	52
22 / 23	.1	2.5	.5															31	31	53	56
20 / 21	.4	3.1	1.5															50	50	63	37
18 / 19	.2	4.6	.6															51	51	43	59
16 / 17	.5	3.4	.3															42	42	51	43
14 / 15		2.9	.3															28	28	38	41
12 / 13	.2	4.8	.2															49	49	33	29
10 / 11	.2	3.9																41	41	49	39
8 / 9	.3	4.3	.2															45	45	53	40
6 / 7		3.7																34	34	32	41
4 / 5		1.9																18	18	36	22
2 / 3	.1	2.3																22	22	24	43
0 / 1		2.7																25	25	25	39
-2 / -1	1.1	.8																18	18	18	22
-4 / -3	.2	1.1																11	11	16	30
-6 / -5	.9	.3																11	11	13	25
-8 / -7	.9	.1																9	9	10	14

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL — 78-83 — JAN

STATION — STATION NAME — YEARS — MONTH

GE 2 — 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	All W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
- / -9	.4																	2	2	20
- / -11	.8																4	8	4	27
-1 / -13																				9
-1 / -15	.3																3	7	3	14
-1 / -17	.1																1	1	1	8
-1 / -19	.2																2	2	2	15
- / -21	.4																1	1	1	2
-2 / -23																				1
-2 / -27																				3
- / -31																				1
-3 / -35																				1
TOTAL	[illegible].87[illegible].818.[illegible] 1.5																930	930		930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum	88933v1	66097	71.5	12.219	930							
Dry Bulb	574436	19740	21.2	12.935	930	6.2	73.5					93
Wet Bulb	498065	18133	19.5	12.671	930	7.0	79.5					93
Dew Point	375297	12337	13.3	15.799	930	19.4	87.3					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 — STATION
CHICAGO-O'HARE TAP IL — STATION NAME
74-83 — YEARS
JAN — MONTH
PAGE 1
2100-2200 — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]			•															•	1		
5 / 6																				1	
[illegible]																					1
[illegible]		•																1	1		
[illegible]		•																1	1	2	
4 / 47		•	•															6	6	1	2
48 / 52		•	•															6	6	4	1
53 / 57		•																3	3	5	3
42 / 47		•	•															5	5	6	2
[illegible]		1•	•															16	16	3	3
33 / 37	•4	•5	1•1	•2														23	23	17	8
[illegible]	•3	1•3	1•3	•4														32	32	24	12
34 / 39	•5	3•3	1•	•1														51	51	71	29
[illegible]	•	7•6	1•															62	62	46	54
[illegible]	•	2•4	1•															40	40	75	35
[illegible]	•	4•1	1•3															56	54	45	48
34 / 38		4•7	•3															42	42	61	57
[illegible]	•3	2•1	•8															34	34	62	31
27 / 31	1•3	2•7	•5															42	42	83	55
[illegible]	•3	4•3	1•1															59	59	35	47
32 / 37	•1	7•4	1•1															39	39	62	41
1 / 11		7•8																31	31	30	42
40 / 43	•3	6•2	•3															43	43	39	31
1 / 11	•	2•3	•2															37	37	40	42
[illegible]	•	5•1																51	51	48	34
/ 7	•2	3•3																37	37	48	42
/ 5	•1	2•3																22	22	33	27
[illegible]	•1	3•5																34	34	27	31
/	•1	7•4																32	32	45	48
/ -1	1•4	•6																19	19	18	29
- / -3	•2	1•																11	11	13	25
- / -5	•4	•4																16	16	11	26
- / -7	•2	•1																6	5	9	24
- / -9	•0																	3	3	8	32

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL — 74-83 — JAN

STATION — STATION NAME — YEARS — MONTH

PAGE [illegible] — 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/-11	•																	5	[illegible]	5	25
1 /-13																					9
[illegible] /-15																					10
[illegible] /-17	•																	1	1	1	9
/-19	•																	[illegible]	[illegible]	2	12
/-21																					8
/-23	•																	[illegible]	[illegible]	2	8
/-25	•																	1	1	1	1
/-27																					1
/-29																					1
/-31																					2
/-33																					2
TOTAL	11.5	[illegible]	12.7	.6															[illegible]		930
																		93[illegible]		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]112654	68[illegible]18	73.1	12.187	930							
Dry Bulb	536329	18761	20.2	13.036	930	6.5	75.7					93
Wet Bulb	473049	17353	18.7	12.675	930	7.0	79.6					93
Dew Point	368875	11895	12.8	15.274	930	21.2	86.8					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 CHICAGO-O'HARE IAP IL 74-83 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible] / 59		•	•															3	3			
[illegible] / 57		•1	•															5	5	2	1
56 / 55		•																2	2	6	2
[illegible] / 53		•1		•			•											14	14	2	6
[illegible] / 51		•1		•1	•	•												15	15	13	8
50 / 49		•1	•	•1		•												13	13	5	7
48 / 47		•1	•1	•1														16	16	6	5
46 / 45		•2	•2	•	•3													32	32	19	5
44 / 43		•2	•1	•1	•1													39	39	21	10
42 / 41	•1	•5	•3	•1	•													76	76	50	10
40 / 39	•1	•2	•2	•1	•													118	118	59	53
38 / 37	•3	1.4	1.2	•2	•													222	222	123	68
36 / 35	•2	3.6	1.6	•3														419	419	219	66
34 / 33	•5	3.2	1.5	•3	•													409	409	445	171
[illegible] / 31	•2	6.2	1.9	•4	•													645	645	398	365
[illegible] / 29	•5	7.1	1.9	•1														418	418	587	352
28 / 27	•5	8.1	1.8	•2														463	463	437	371
26 / 25	•1	3.9	•9	•1														371	371	502	406
24 / 23	•1	2.9	•7															278	278	421	279
22 / 21	•2	3.4	1.[illegible]															385	385	379	346
[illegible] / 19	•7	5.1	1.2	•														519	519	354	502
18 / 17	•2	3.[illegible]	1.[illegible]	•														315	315	439	357
16 / 15	•2	2.8	•4															260	260	316	336
14 / 13	•5	3.4	•3															312	312	296	374
12 / 11	•7	2.8	•3															271	271	307	310
10 / 9	•3	3.6	•1															297	297	298	279
[illegible] / 7	•2	3.2																250	250	283	290
[illegible] / 5	•4	2.4																192	192	282	180
[illegible] / 3	•1	1.2																241	241	206	257
[illegible] / 1	•1	3.5																271	271	339	256
[illegible] / -1	1.2	•8																147	147	174	210
[illegible] / -3	•3	1.1																105	105	130	213
[illegible] / -5	•6	•5																81	81	86	214
[illegible] / -7	•6	•1																54	54	83	179

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7?[illegible]3 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 79-83 (YEARS) JAN (MONTH)

ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-[illegible]/-9	.9																	62	62	63	196
[illegible]/-11	.6																	91	91	91	213
[illegible]/-13	.1																	10	10	10	106
[illegible]/-15	.3																	25	25	25	123
[illegible]/-17	.2																	14	14	14	80
[illegible]/-19	.1																	8	8	8	83
[illegible]/-21	.1																	5	5	5	48
[illegible]/-23	.2																	14	14	14	25
[illegible]/-25	.																	3	3	3	14
[illegible]/-27																					19
[illegible]/-29																					11
[illegible]/-31																					3
[illegible]/-33																					10
[illegible]/-35																					13
[illegible]/-37																					8
TOTAL	[illegible]1.5	6[illegible].	[illegible]16.7	2.1	.3	.1	.0												7440		7440
																		7440		7440	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	39263[illegible]37	5318[illegible]9	71.5	12.96[illegible]	7440							
Dry Bulb	8[illegible]1994	151592	20.4	13.236	7440	56.9	605.7					744
Wet Bulb	3[illegible]0068	139046	18.7	12.73[illegible]	7440	65.6	647.[illegible]					744
Dew Point	2888578	92188	12.4	15.321	7440	176.8	702.9					744

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253	CHICAGO-O'HARE IAP IL	74-83	FEB
STATION	STATION NAME	YEARS	MONTH

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
58/ 57					.2													2	2		
56/ 55					.1													1	1		
54/ 51				.4	.4													6	6		
5 / 49		.4			.1													9	9	2	
4 / 47			.1	.2														3	3	7	3
46/ 45		.2	.7	.6														18	18	3	3
44/ 43		.7	.9	.1	.1													16	16	10	3
42/ 41	.1	.4	1.2	.2														16	16	16	9
4 / 39		.0	1.4	.2														22	22	25	9
38/ 37	.2	2.1	.3	.1														28	28	20	13
36/ 35	.7	2.8	1.2	.4														48	48	46	26
34/ 33	.5	4.7	2.7	.4														70	70	61	38
32/ 31	.7	4.4	1.4															52	52	59	50
3 / 29	.5	5.1	1.2															62	62	66	27
28/ 27	.5	3.9	.5															41	41	60	49
26/ 25	.2	5.1	.2															47	47	47	45
24/ 23	.2	3.5	.6															35	35	56	39
22/ 21	.9	2.6	.9															36	36	33	56
2 / 19	1.9	5.4																57	57	42	80
1 / 17		2.8																24	24	47	32
16/ 15		3.4																27	27	23	32
14/ 13	1.2	3.1																36	36	36	37
12/ 11	1.3	3.1	.1															38	38	35	34
1 / 9	1.5	3.1																37	37	43	34
6/ 7	1.3	1.2																26	26	32	32
4/ 5	.5	.9																12	12	22	24
2/ 3	.4	2.0																25	25	20	34
0/ 1	.4	2.5																24	24	22	32
-2/ -1	.2	.4																10	10	14	16
-4/ -3	.2	.2																9	9	11	14
-6/ -5	.2	.4																7	7	9	9
-8/ -7	.2																	4	4	5	19
-10/ -9	.4																	3	3	3	12
-12/-11																					8

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 24-54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 CHICAGO-O'HARE IAP IL 79-83 FEB
STATION STATION NAME YEARS MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-1 /-13																					15
-1 /-15																					8
-1 /-17																					8
-1 /-19																					10
-9 /-21																					1
TOTAL	15.	66.	215.	6	7.	7	.5												846		846
																		846		846	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4970612	64147	75.8	11.295	846							
Dry Bulb	675354	19840	23.5	12.877	846	3.3	67.8					84
Wet Bulb	529266	18466	21.8	12.221	846	4.2	69.7					84
Dew Point	404235	14189	16.8	14.027	846	11.1	73.7					84

USAFETAC FORM 0-26-5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | FEB MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5[illegible]/ 55				•														2	2		
[illegible]4/ 53				•														1	1		
[illegible]3/ 51			•		•													2	2		
5 / 49			.2	.5	.4													10	10	2	
4[illegible]/ 47			•	.2	.1													4	4	6	
4[illegible]/ 45			.4	.4														6	6	5	6
44[illegible]/ 43			.2	1.4														15	15	9	5
4[illegible]/ 41			.9	.2														10	10	12	2
4 / 39		.2	.6	1.3	.6													23	23	16	15
3[illegible]/ 37		.5	2.[illegible]	1.2														29	29	17	10
36/ 35		.9	4.1	.9	.5													55	55	42	18
34/ 33		.2	5.2	2.2														65	65	51	35
32/ 31		.4	4.4	1.2														56	56	55	56
3 / 29		.2	5.6	1.4														61	61	61	38
2[illegible]/ 27		.2	4.1															37	37	64	38
26/ 25		.4	4.6	.4														45	45	45	49
24/ 23		.8	3.7	.1														39	39	58	44
22/ 21		1.7	1.9	.1														27	27	38	58
2[illegible]/ 19		2.4	4.1	.1														56	56	38	72
18/ 17		.1	3.[illegible]	.2														28	28	37	48
16/ 15			2.7	.1														24	24	24	18
14/ 13		.8	3.8	.1														40	40	25	29
12/ 11		.4	1.7															21	21	37	37
1[illegible]/ 9		.9	2.6															30	30	25	23
8/ 7		1.1	3.8															38	38	39	31
6/ 5		.5	2.1															22	22	37	17
4/ 3		.8	2.[illegible]															24	24	19	24
2/ 1		.3	2.7															27	27	30	27
[illegible]/ -1		1.2	.8															17	17	15	30
-2/ -3		.4	.5															7	7	13	17
-4/ -5		.7	.2															8	8	8	20
-6/ -7		.7																6	6	7	23
-8/ -9		.9																8	8	8	16
-10/-11		.4																3	3	3	7

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 CHICAGO-O'HARE IAP IL 74-83 FEB
STATION STATION NAME YEARS MONTH

PAGE 2 0300-1500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
-12/-13																						8
-14/-15																						9
-16/-17																						5
-18/-19																						8
-20/-21																						3
-22/-23																						3
-24/-25																						1
TOTAL	17.	567.	213.	1.	9.	.1														846	846	846	846

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5080367	64915	76.7	10.843	846							
Dry Bulb	575036	18982	22.4	13.325	846	4.9	62.2					84
Wet Bulb	509939	17753	21.0	12.710	846	5.4	68.1					84
Dew Point	399846	13632	16.1	14.603	846	14.9	75.2					84

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 — STATION
CHICAGO-O'HARE TAP IL — STATION NAME
74-83 — YEARS
FEB — MONTH

PAGE 1 — 0600-0859 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
56/ 55			.1															1	1		
54/ 53			.1															2	2		
52/ 51		.4	.2		.1													6	6	1	
50/ 49		.1	.1	.2	.1													5	5	5	2
48/ 47		.4	.2	.1														6	6	6	4
46/ 45		.4	.2															5	5	2	5
44/ 43		.1	.2															3	3	11	2
42/ 41		.2	1.4	.2														16	16	2	2
40/ 39	.4	1.3	.9	.1														22	22	7	9
38/ 37		1.5	.2															20	20	25	7
36/ 35	1.3	5.8	.8	.4														67	67	36	17
34/ 33	.2	5.7	2.2	.2														69	69	69	37
32/ 31	.5	4.8	1.9															51	61	89	63
30/ 29	.1	7.4	1.1															39	39	67	41
28/ 27	.2	4.1	.8															39	39	88	39
26/ 25	.5	5.5																53	53	53	43
24/ 23	.2	4.4																36	36	47	41
22/ 21	2.1	3.9	.2															44	44	55	62
20/ 19	1.1	3.8	.1															39	39	31	62
18/ 17	.6	3.8	.1															36	33	84	48
16/ 15	.1	2.1																18	18	18	24
14/ 13	.4	2.3	.1															32	32	19	30
12/ 11	1.4	2.4																29	29	82	36
10/ 9	.7	2.2	.1															38	38	29	20
8/ 7	.7	3.8																35	35	30	29
6/ 5	.4	1.3																14	14	33	20
4/ 3	1.1	3.3																37	37	34	28
2/ 1	.4	3.1																29	29	29	30
0/ -1	1.2	.1																11	11	17	20
-2/ -3	.7	.2																9	9	8	21
-4/ -5	.8	.1																8	8	9	25
-6/ -7	.7	.1																7	7	8	22
-8/ -9	.4																	3	3	3	19
-10/-11	.7																	6	6	6	10

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS-4 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-3 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
78-83 — YEARS
FEB — MONTH

0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 / -1[illegible]	.4																	3	3	3	3
-1[illegible] / -15																					8
-1[illegible] / -17																					5
-1[illegible] / -19																					8
-[illegible] / -21																					2
-[illegible] / -23																					3
-[illegible] / -25																					3
TOTAL	17.2	36.0	41.1	5.1	.3	.2													846		846
																		846		846	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	[illegible]152257	65419	77.3	[illegible]0.523	846							
Dry Bulb	565778	18718	22.1	13.396	846	4.7	62.0					84
Wet Bulb	502129	17531	20.7	12.819	846	5.4	67.7					84
Dew Point	399055	13539	16.0	10.691	846	14.8	75.6					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72587 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
FEB — MONTH

PAGE 1 — 0900-1100 HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 58			.1			.2												3	3		
[illegible] / 57			.3	.1		.1												5	5		
59 / 55			.1															1	1	2	
[illegible] / 53			.1		.2	.1	.1											5	5	4	2
[illegible] / 51			.1		.1													2	2	1	1
50 / 49		.1	.5	.4	.2	.1												10	10	2	3
[illegible] / 47		.2	.1	.5	.5													12	12	6	2
[illegible] / 45		.2	.0	.4	.1													15	15	5	1
[illegible] / 43		.2	1.2	.7	.1													19	19	15	3
[illegible] / 41		.3	.7	.8	.2													18	18	14	8
40 / 39	.2	1.5	1.9	.6	.1													37	37	26	8
38 / 37	.4	2.2	1.5	.7	.1													40	40	34	13
36 / 35	1.1	3.5	2.7	.5														66	66	47	31
34 / 33	.8	4.3	3.2	.4														73	73	67	45
[illegible] / 31		3.1	2.6	.2														50	50	69	54
[illegible] / 29	.1	5.1	2.4	.2														49	49	48	56
28 / 27		4.6	1.2	.1														52	52	54	37
26 / 25	.1	2.8	1.3															36	36	63	45
24 / 23	.4	2.7	.5															30	30	45	42
22 / 21	1.7	2.2	1.1															42	42	43	56
[illegible] / 19	.5	5.4	.5															57	57	26	68
[illegible] / 17		3.4	.5															33	33	56	39
16 / 15		3.7	.6															36	36	37	26
14 / 13	.5	2.7	.2															29	29	27	40
12 / 11	.6	2.6	.2															29	29	32	48
10 / 9	.1	3.3	.1															30	30	34	26
[illegible] / 7		1.4																12	12	25	28
[illegible] / 5	.1	1.4																13	13	16	19
[illegible] / 3	.1	1.5																16	16	14	22
[illegible] / 1		.7																6	6	10	31
[illegible] / -1	.5	.8																7	7	8	20
[illegible] / -3		.6																5	5	4	14
[illegible] / -5	.4	.7																5	5	8	17
[illegible] / -7	.2																	2	2	3	9

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] | CHICAGO-O'HARE IAP IL | 74-83 | FEB
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
[illegible] -9	.1																	1	1	1	9
[illegible] -11																					9
[illegible] -13																					3
[illegible] -15																					5
[illegible] -17																					5
[illegible] -19																					3
[illegible] -21																					1
[illegible] -23																					1
TOTAL	[illegible]	.5	28.2	5.6	1.9	.5	.1												846		846
																		846		846	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4512542	6,860	71.9	12.61	846							
Dry Bulb	723-97	22361	26.4	12.50	846	2.6	53.6					84
Wet Bulb	611193	20470	24.2	11.68	846	2.4	61.9					84
Dew Point	439074	15500	18.3	13.54	846	9.5	72.4					84

USAFETAC FORM AM 94 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | FEB MONTH

PAGE 1 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
7 / 6									.1									1	1		
6 / 6									.1									1	1		
66 / 65							.1	.1										2	2		
64 / 63				.1	.1	.1	.2											5	5		
62 / 61				.1			.2											3	3		
6 / 59							.2	.2										4	4		
57 / 57			.4	.1	.1		.2											7	7	1	
56 / 55			.2	.1	.1	.2	.2											8	8	2	
54 / 53				.2	.4		.1	.1										7	7	7	1
52 / 51				.1	.6	.1	.1											11	11	6	1
50 / 8			.1	.4	.8	.8												14	14	6	6
48 / 47		.1		.2	.4													6	6	9	
46 / 45		.8	.2	1.7	.4	.1	.2											25	25	12	4
44 / 43		.4	1.1	1.4	.7	.2												34	34	13	6
42 / 41			1.1	.8	.5	.1												21	21	21	4
40 / 39		1.8	1.3	1.5	.4	.2												44	44	33	12
38 / 37	.1	1.7	1.1	2.1	.2													44	44	44	13
36 / 35	.2	3.3	2.5	2.1	.1													69	69	39	31
34 / 33		3.2	2.	.8														51	51	65	51
32 / 31	.1	2.4	3.4	2.1														68	68	65	57
30 / 29	.1	2.4	4.5	.6														66	66	58	45
28 / 27	.1	1.8	2.4	.4														39	39	67	33
26 / 25	.4	3.3	3.2	.2														60	60	67	49
24 / 23	.1	1.1	1.1	.4														22	22	60	48
22 / 21	.5	3.3	3.1															56	56	39	58
2 / 19		3.4	2.1															47	47	47	55
18 / 17		2.5	1.3															32	32	50	51
16 / 15		1.7	1.1															23	23	36	54
14 / 13	.1	1.5	.8															17	17	26	52
12 / 11		.8	.3															10	10	20	39
1 / 9		2.3	.8															22	22	8	32
8 / 7		.8																8	8	23	29
6 / 5		.8																3	3	9	16
4 / 3		.7																6	6	4	18

Element (X)	Σx^2	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL — 74-83 — FEB
STATION — STATION NAME — YEARS — MONTH

PAGE 2 — 1200-1800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/		.6																5	5	7	17
/ -		.2																2	2	3	16
-/ -5		.4																3	3	3	12
-/ -5																				2	5
-/ -7																					10
- / -9																					11
-/-11																					6
-1 /-13																					2
-1 /-15																					2
-/-17																					2
-/-19																					3
TOTAL	1.4	.5	33.1	15.6	5.7	1.5	1.8	.5	.2										846		846
																		846		846	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3728731	54869	64.9	13.99	846							
Dry Bulb	907569	25713	30.4	12.215	846	.5	48.6	.2				84
Wet Bulb	713464	22806	27.0	10.806	846	.8	58.4					84
Dew Point	452838	16442	19.4	12.559	846	6.9	71.2					84

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] | CHICAGO-O'HARE IAP IL | 74-83 | FEB
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]									•1									1	1		
7 / 69										•1								1	1		
55 / 66							•1	•1										2	2		
64 / 63							•2											2	2		
61 / 61						•2	•2											4	4		
6[illegible] / 59				•1		•1		•4										6	6		
57 / 57			•1	•1		•3	•2											6	6		
5[illegible] / [illegible]			•4	•4	•5	•3		•1										13	13	4	
5[illegible] / [illegible]				•		•1		•1										4	4	7	
[illegible] / [illegible]				•1	•5	•1	•1											8	8	10	2
5 / 4				•1	•1	•5												9	9	5	2
4[illegible] / 47			•4	•2	•4	•0												16	16	13	4
4[illegible] / 45			•4	•5	1•3	•5	•3											25	25	11	2
48 / 46			•1	•4	1•1	•2	•2											23	23	10	6
4[illegible] / 41			•6	•3	•9	•6	•3											27	27	12	12
4[illegible] / [illegible]			•1	2•1	1•3	•5												46	46	12	14
3[illegible] / 37			1•5	1•3	•6	•7												43	43	27	14
3[illegible] / 35			1•2	2•1	1•7	•6												63	63	54	17
34 / 33	•	3•2	2•1	1•2														57	57	71	49
[illegible] / 31	•1	2•1	4•5	1•3														58	58	61	61
3 / [illegible]	•2	2•3	4•4	•4														63	61	58	32
[illegible] / [illegible]		3•1	3•8	•5														[illegible]	[illegible]	64	52
3 / 30	•4	4•6	2•2	•2														62	62	77	38
2[illegible] / 29	•1	•3	1•5	•4														25	25	62	39
32 / 31	•1	2•1	3•5	•1														50	50	34	54
[illegible] / [illegible]		4•5	1•6															10	57	53	72
[illegible] / 27		1•8	1•2															25	25	51	67
1[illegible] / 1[illegible]		1•3	1•3															22	22	24	56
1[illegible] / 15	•4	•8	•4															13	13	72	36
14 / 14		1•3	•5															15	15	12	46
1[illegible] / [illegible]		[illegible]	[illegible]															15	15	14	32
[illegible] / 7		1•8																12	12	18	23
[illegible] / [illegible]		[illegible]																6	5	13	13
[illegible] / [illegible]		1•1																9	9	7	13

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 84 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72853 C — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
FEB — MONTH

PART / — HOURS (L. S. T.) 1500-1760

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ -		.5																4	4	8	19
/ -		.2																2	2	3	15
-/-7		.1																1	1	2	11
-4/-5																				1	9
-3/-7																					11
-2/-6																					10
-1/-11																					6
-1/-13																					6
-1/-15																					2
-1/-16																					3
TOTAL	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	846	846	846	846

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3749256	55023	65.0	19.226	846							
Dry Bulb	2369884	25723	30.4	12.154	846	.3	45.7	.2				84
Wet Bulb	713392	22824	27.0	10.749	846	.6	57.9					84
Dew Point	453738	16989	19.5	12.529	846	7.2	71.9					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | FEB MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
64/ 63							.1											1	1		
62/ 61						.1												1	1		
60/ 59						.1												1	1		
58/ 57					.1	.4												4	4		
56/ 55			.2															2	2		
54/ 53			.1	.2	.1	.1												5	5		
52/ 51			.1	.4	.1													5	5	4	
50/ 49		.4	.2	.2	.1													8	8	7	1
48/ 47		.2	.4	.2	.2													11	11	9	3
46/ 45		.5	.7	.9	.1													19	19	7	4
44/ 43		.5	.9	.4														15	15	12	4
42/ 41		.5	1.3	1.2		.1												26	26	15	9
40/ 39		.9	1.7	.6	.2													29	29	20	17
38/ 37	.4	1.9	2.1	.1														36	38	42	13
36/ 35	.2	3.9	2.5	.7														62	62	34	19
34/ 33	.5	3.9	3.2	.3														72	72	62	39
32/ 31	.2	4.6	2.5	.5														66	66	70	68
30/ 29		1.5	4.7															53	53	63	43
28/ 27	.5	3.3	1.3	.1														44	44	43	41
26/ 25		5.1	1.8															58	58	77	47
24/ 23	.4	2.6	1.1															34	34	53	36
22/ 21	.1	3.7	.6	.1														38	39	51	49
20/ 19	1.2	5.3	1.1															64	64	39	66
18/ 17		2.1	.5															30	30	49	74
16/ 15		2.8	.4															23	23	31	41
14/ 13	.6	2.7	.2															30	30	28	33
12/ 11	.3	2.1	.1															22	22	26	35
10/ 9	.2	2.5																23	23	29	31
8/ 7		1.7																14	14	15	35
6/ 5		.8																7	7	15	15
4/ 3	.1	1.5																14	14	11	21
2/ 1		1.3																11	11	15	21
0/ -1	.4	.8																6	6	6	10
-2/ -3	.1	.5																5	5	7	9

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 [illegible] CHICAGO-O'HARE IAP IL 74-83 FEB
STATION STATION NAME YEARS MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-4/ -5	.1	.9																4	4	3	13
-6/ -7	.1																	1	1	3	12
-8/ -9																					9
-10/-11																					9
-12/-13																					2
-14/-15																					9
-16/-17																					5
-18/-19																					3
TOTAL	5.6	5.6	27.8	6.6	1.1	.8	.1											846	846		846
																		846		846	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4425182	6,363	71.3	11.849	846							
Dry Bulb	782996	22882	27.0	12.119	846	1.6	54.3					88
Wet Bulb	672609	20883	24.7	11.259	846	1.9	63.3					84
Dew Point	441368	15854	18.7	13.066	846	8.0	73.2					88

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72533 C — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
FEB — MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60 / 59			.1															1	1		
58 / 57					.1	.1												2	2		
56 / 55					.1													1	1	1	
54 / 53			.2	.1	.1													4	4		
52 / 51			.5	.1														5	5		1
50 / 49		.1	.5	.2														7	7	3	
48 / 47		.2	.5	.4														9	9	10	1
46 / 45		.4	.2	1.1														14	14	9	5
44 / 43		.4	.7	.2														13	13	8	6
42 / 41		.1	2.2	.1	.2													23	23	11	7
40 / 39		1.3	.9															18	18	19	11
38 / 37	.5	2.1	1.4	.4														37	37	38	10
36 / 35	.5	4.3	3.2															67	67	32	26
34 / 33	.2	5.1	2.4	.1														66	66	69	49
32 / 31	.7	4.1	2.1															59	59	65	57
30 / 29		3.8	2.7															55	55	51	42
28 / 27	.4	2.9	1.2	.1														38	38	58	46
26 / 25	.4	4.6	.6															47	47	54	29
24 / 23	.4	4.5	.8															48	48	52	56
22 / 21	.2	4.3	.4															47	47	58	53
20 / 19	1.1	3.5	.7															41	41	35	64
18 / 17	.1	3.3	.5															33	33	34	42
16 / 15		2.3	.7															30	30	36	42
14 / 13	.2	5.1																45	45	28	34
12 / 11	1.3	2.7																28	28	51	38
10 / 9	.6	1.8																20	20	24	30
8 / 7	.4	2.2																22	22	18	35
6 / 5	.8	.9																11	11	21	26
4 / 3		1.2																10	10	15	27
2 / 1	.2	2.3																19	19	14	20
0 / -1	.6	.7																11	11	11	6
-2 / -3	.2	.8																5	5	10	16
-4 / -5	.2	.7																8	8	5	10
-6 / -7	.5																	8	8	4	14

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72383 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) FEB (MONTH)

PAGE 2 2100-2300 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-6/-8	.2																	2	2	2	8
-1/-11																					11
-12/-13																					6
-14/-15																					6
-16/-17																					8
-18/-19																					3
-2/-21																					1
TOTAL	.2	.968	.821	.7	.2	.8		.6		.1									846			846
																		846		846	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	8618017	63149	74.6	11.111	846							
Dry Bulb	671025	21960	25.3	12.468	846	2.6	57.5					84
Wet Bulb	579164	19780	23.4	11.752	846	3.2	64.1					84
Dew Point	432565	15357	18.2	13.491	846	8.8	72.5					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) FEB (MONTH)

 ALL (HOURS (L. S. T.))

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 71									.0									1	1		
70/ 69									.0	.0								2	2		
68/ 67									.0									1	1		
66/ 65							.0	.0										4	4		
64/ 63					.0	.0	.0	.1										9	9		
62/ 61					.0		.0	.1										8	8		
60/ 59				.0	.0		.0	.0	.1									14	14		
58/ 57			.1	.0	.0	.1	.1	.1										26	26	1	
56/ 55			.1	.1	.1	.1	.0	.0										29	29	6	
54/ 53			.1	.1	.1	.0	.0	.0										28	28	16	5
52/ 51		.0	.2	.1	.2	.0	.0											45	45	22	5
50/ 49		.2	.3	.3	.2	.1												67	67	32	14
48/ 47		.2	.3	.3	.1													67	67	66	17
46/ 45		.1	.4	.6	.1	.0	.0											127	127	54	30
44/ 43		.4	.7	.8	.2	.1												138	138	88	35
42/ 41	.0	.4	1.1	.5	.2	.0												157	157	113	53
40/ 39	.1	1.2	1.4	.7	.1	.0												241	241	178	95
38/ 37	.2	1.9	1.4	.5	.1													279	279	247	93
36/ 35	.6	3.8	2.1	.8	.1													497	497	324	185
34/ 33	.4	4.3	2.5	.5														523	523	495	343
32/ 31	.5	3.9	2.5	.5														440	440	492	459
30/ 29	.2	3.8	2.9	.1														496	496	472	328
28/ 27	.2	3.5	1.2	.1														340	340	458	333
26/ 25	.3	4.5	1.2	.1														408	408	483	345
24/ 23	.3	2.9	.7	.1														269	269	433	345
22/ 21	1.1	2.9	1.2	.1														340	340	351	446
20/ 19	1.1	4.3	.7															411	411	311	539
18/ 17	.4	3.7	.5															243	243	368	397
16/ 15	.1	2.5	.4															203	203	220	293
14/ 13	.4	2.9	.3															242	242	211	288
12/ 11	.7	2.2	.2															192	192	255	309
10/ 9	.5	2.5	.1															211	211	206	228
8/ 7	.4	2.1																167	167	200	242
6/ 5	.2	1.1																88	88	166	150

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE INTL AP IL — 74-83 — FEB

STATION — STATION NAME — YEARS — MONTH

PAGE 2 — ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	.3	1.9																141	141	124	183
[illegible]	.2	1.7																125	125	135	199
[illegible] -1	.	.8																66	66	77	133
[illegible] -3	.	.4																44	44	58	114
-4/ -5	.3	.2																36	36	45	108
-6/ -7	.3	.1																24	24	36	120
-8/ -9	.2																	17	17	17	94
-10/-11	.1																	9	9	9	66
-12/-13	.																	3	3	3	45
-14/-15																					25
-16/-17																					14
-18/-19																					11
-20/-21																					3
-22/-23																					2
-24/-25																					1
TOTAL	9.6	5.1	22.2	6.2	1.9	.4	.4	.1	.0	.0								6768		6768	
																		6768		6768	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Sat. Hum.	3[illegible]322884	988732	72.2	12.979	6768							
Dry Bulb	56[illegible]8699	175587	25.9	12.999	6768	19.8	997.3	.9				672
Wet Bulb	47[illegible]0256	160522	23.7	11.991	6768	23.7	908.9					672
Dew Point	3[illegible]227[illegible]5	120997	17.9	13.693	6768	81.3	585.3					672

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72353 / CHICAGO-O'HARE IAP IL / 74-83 / MAR

STATION / STATION NAME / YEARS / MONTH

PAGE 1 / 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31			Dry Bulb	Wet Bulb	Dew Point
≥87 / 83				.5	.1		.1											5	5			
82 / 81			.3	.5		.1	.1											10	10			
77 / 79		.6	.4		.1													10	10	3		
72 / 77		1.2	.3	.2	.4			.3										23	23	17	1	
67 / 75	.1	.6	.2	.2	.3	.1	.1											16	16	15	19	
62 / 73		.5	.2	.3	.4	.1	.1											19	19	13	12	
57 / 71		.1	.4	.1	.4	.1												11	11	13	16	
52 / 69	.1	.2	.1	.3		.1												8	8	8	6	
47 / 67	.2	.5	.3	.4	.2													16	16	16	5	
42 / 65		.1	.2	.5	.1													20	20	15	9	
37 / 63	.2	1.2	2.3	1.3														47	47	35	11	
32 / 61	.1	.9	1.4	.5														23	23	27	27	
27 / 59	.2	1.9	3.3	.3	.1													55	55	73	23	
22 / 57	.1	2.7	2.8	.2														54	54	52	47	
17 / 55	.2	5.6	2.3	.6														81	81	61	45	
12 / 53	2.4	5.5	2.9	.5														105	105	123	63	
7 / 51	1.6	5.5	3.7															103	103	94	120	
2 / 49	.8	3.9	1.4															56	56	85	92	
-3 / 47	.2	4.3	1.4															48	48	71	69	
-8 / 45	.2	3.8	.5															42	42	53	48	
-13 / 43	.2	2.4	.3															30	30	52	58	
-18 / 41	1.1	2.9	.2															39	39	46	50	
-23 / 39	.8	2.4	.5															34	34	25	76	
-28 / 37	.4	1.3	.2															17	17	28	39	
-33 / 35	.4	1.6																16	16	17	32	
-38 / 33		1.2																11	11	19	23	
-43 / 31	.1	.4																5	5	9	16	
-48 / 29	.1	.5																6	6	8	11	
-53 / 27		.4																6	6	6	19	
-58 / 25		.2																2	2	3	13	
-63 / 23		.1																1	1	2	7	
-68 / 21		.2																2	2	2	1	
-73 / -1																					1	
-78 / -3																					2	

Element (E)	$\bar{x}_E$	s_E	$\bar{X}$	σ_E	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Bal. Num												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-3-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72587 / CHICAGO-O'HARE IAP IL / 74-83 / MAR

STATION / STATION NAME / YEARS / MONTH

PAGE 2 / 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-6 / -5																					3
-8 / -7																					2
TOTAL	6	953	826	6	8	3	3	1	1									930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5726839	72150	77.6	11.802	930							
Dry Bulb	1273791	31761	34.2	11.323	930		41.8					93
Wet Bulb	1042702	29594	31.8	10.426	930		89.9					93
Dew Point	826711	25661	27.6	11.302	930	1.1	87.6					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

77?3 ?	CHICAGO-O'HARE IAP IL	74-83	MAR
STATION	STATION NAME	YEARS	MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
64/ 63			.?	.3														4	4		
62/ 61		.2	.4	.2	.4													11	11		
60/ 59		.1	.3			.1		.1										6	6	5	
58/ 57	.1	.6	.1	.2	.1		.1											12	12	12	9
56/ 55	.1	.5	.1	.1	.2		.1											11	11	10	16
54/ 53		.2		.6	.1													16	16	8	6
52/ 51	.?	.1	.1	1.?	.3	.4												17	17	13	12
50/ 49	.4	.2	.2	.3	.2													10	10	5	8
48/ 47		1.1	.4	.2														16	16	13	4
46/ 45	.1	1.3	1.5	.1														29	29	24	5
44/ 43	.1	.5	1.8	.1														21	21	26	9
42/ 41	.1	.9	1.1	.5														24	24	28	32
40/ 39	.4	2.8	1.9	1.?														57	57	26	26
38/ 37	.5	3.?	3.2	.8														70	70	45	30
36/ 35	.2	5.7	3.4	.2														89	89	60	59
34/ 33	2.3	5.1	2.5	.2														94	94	117	46
32/ 31	2.2	5.9	2.?															94	94	96	109
30/ 29	.5	2.5	1.5															47	47	45	57
28/ 27	1.1	4.5	.7															60	60	61	81
26/ 25	.5	4.6	.2															50	50	60	80
24/ 23	.2	1.9	.5															25	25	49	45
22/ 21	1.2	2.4	.5															38	38	35	51
20/ 19	1.3	2.6	.3															43	43	42	67
18/ 17		2.2	.3															25	25	24	36
16/ 15		1.9	.1															19	19	24	33
14/ 13	.4	1.7																13	13	19	16
12/ 11	.3	.4																7	7	13	32
10/ 9		.5																5	5	6	18
8/ 7	.3	.5																8	8	8	20
6/ 5		.2																2	2	5	8
4/ 3																					11
2/ 1		.4																4	4	4	6
0/ -1	.3																	3	3	3	4
-2/ -3																					1

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE IAP IL 74-83 MAR
STATION STATION NAME YEARS MONTH

PAGE [illegible] 2300-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-[illegible]/-6																					2
-[illegible]/-7																					1
-[illegible]/-9																					3
-[illegible]/-11																					1
TOTAL	13.3%	28.4	6.	1.3	.2	.2	.1											930	93		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5216548	73826	79.0	11.338	930							
Dry Bulb	1179667	3.593	32.9	11.263	93[illegible]	.3	44.3					93
Wet Bulb	986547	28666	3[illegible].8	1[illegible].529	93[illegible]	.3	53.[illegible]					93
Dew Point	792963	24969	26.8	11.988	930	1.2	68.[illegible]					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] | STATION NAME: CHICAGO-O'HARE IAP IL | YEARS: 74-83 | MONTH: MAR

 0626-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 53			.1	.3														4	4		
[illegible] / 51			.1	.2														8	3		
[illegible] / 59		.4	.5	.1	.3													13	13	7	
[illegible] / 57		.5	.2	.3	.2	.1												11	11	9	7
52 / 55		.4	.3		.1	.1												9	9	13	9
54 / 53		.5	.4	.3	.1	.1												14	14	16	12
[illegible] / 51			.3	.4	.1													8	8	9	7
[illegible] / 49		.2	.3	.4	.1													14	14	6	6
46 / 47		.3	.4	.5	.4													16	16	13	10
46 / 45	.4	1.0	.3	.4														26	26	19	8
44 / 43		1.7	1.4		.1													30	30	30	9
41 / 41	.1	1.7	1.2	.3														26	26	30	30
41 / 39	.4	2.3	2.4	.8														54	54	28	24
38 / 37	.2	4.8	2.8	1.2														84	84	43	23
[illegible] / 35	.3	6.1	3.1	.2														91	91	80	42
34 / 33	2.6	5.5	3.2															104	104	115	76
[illegible] / 31	1.1	4.7	2.1	.1														84	84	96	108
[illegible] / 29	.5	3.1	1.3	.2														48	48	80	64
28 / 27	1.3	4.5	1.2															50	67	68	68
26 / 25	.5	3.2	.3															45	45	50	76
24 / 23	.3	1.3	.3															18	18	52	49
22 / 21	.3	2.6	.3															40	40	25	53
20 / 19	1.2	2.7	.5															41	41	39	62
18 / 17	.1	2.1	.3															23	23	33	32
16 / 15		1.7	.3															19	19	15	28
14 / 13	.1	.5																8	8	22	23
12 / 11	.3	.4																7	7	8	38
[illegible] / 9	.3	.4																7	7	8	22
8 / 7	.1	.9																9	9	6	17
6 / 5		.1																1	1	9	7
4 / 3		.2																5	5	4	9
[illegible] / 1																				1	11
[illegible] / -1	.2																	2	2	2	3
[illegible] / -3																					2

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 3 0 STATION | CHICAGO-O'HARE TAP IL STATION NAME | 74-83 YEARS | MAR MONTH

PAGE 2 2600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
--/ -5																					?
--/ -7																					9
--/ -9																					1
TOTAL	1	.4	5	.3	2	8	.3	6	.1	1	.5		.1						93		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5747546	72578	78.0	11.530	930							
Dry Bulb	1183758	7 932	33.3	11.124	930	.2	41.6					93
Wet Bulb	1000199	28910	31.1	7.453	930	.2	51.8					93
Dew Point	798251	25033	26.9	11.573	930	1.2	66.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94830 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
MAR — MONTH

PAGE 1 — 2000-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76 / 75								.1										1	1		
74 / 73								.1										1	1		
72 / 69						.1	.1	.2										5	5		
70 / 67				.	.1	.1	.3	.1										8	8		
68 / 65				.1	.2		.2		.1									7	7		
66 / 63			.2	.4	.2	.1	.3	.2	.1									15	15		
64 / 61			.3	.2		.1	.2	.3	.1									15	15	6	
62 / 59			.4	.4	.5	.2	.2		.1									21	21	13	2
60 / 57			.1	.4	.3	.2	.3	.3										16	16	16	19
58 / 55			.2	.4	.1	.1	.3											11	11	14	6
56 / 53			.1	.3	.4	.3	.2	.1	.1									17	17	15	5
54 / 51			.1	.4	.6	.8	.6	.1										25	25	16	9
52 / 49			.5	.3	.4	.6	.1	.3										22	22	11	13
50 / 47			.4	1.0	1.1	.6	.5											34	34	24	17
48 / 45			.3	1.3	2.5	1.8												48	45	23	11
46 / 43			.4	1.6	1.6	.9	.1											47	47	29	17
44 / 41		1.3	2.3	2.2	.5													64	64	43	21
42 / 39	.4	2.2	2.4	2.2	.4													72	72	72	31
40 / 37	.1	3.5	1.5	2.2	.2													70	70	77	34
38 / 35	.3	4.2	2.1	1.6	.5													96	96	103	48
36 / 33	.6	3.3	3.8	1.7	.2													77	77	81	90
34 / 31	1.0	2.6	3.1	1.6														76	75	79	104
32 / 29	.3	1.8	2.5	.4														43	43	75	48
30 / 27	.1	1.8	1.8	.2														31	31	56	69
28 / 25	.2	1.1	1.6	.3														29	29	53	55
26 / 23		.5	1.1															14	14	29	48
24 / 21	.1	1.3	.5															10	10	30	56
22 / 19	.1	1.2	.5															17	17	16	51
20 / 17		.4	.3															7	7	14	28
18 / 15		.6	.3															9	9	11	43
16 / 13	.1	.4	.1															6	6	9	29
14 / 11		.2	.1															3	3	5	21
12 / 9		.2																2	2	4	16
10 / 7		.2																2	2	4	10

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) 82 34 — USAFETAC — OBSOLETE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL | 74-83 | MAR
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 2000-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 5																					7
-4/ 3																					7
/ 2																					5
/ -1																					5
- / -3																					3
-4/ -5																					3
TOTAL	4.	20.	131.	20.	8.	7.	5.	0.	0.	9.	2.							930.	930.	930.	930.

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	8474517	62905	67.6	15.515	930							
Dry Bulb	1525172	36106	38.8	11.522	930		25.8	1.5	.2			93
Wet Bulb	1223252	29370	31.6	10.198	930		38.5					93
Dew Point	875992	26388	28.4	11.709	930	1.1	60.8					93

USAFETAC FORM AS 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72?3?? (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAR (MONTH)

PAGE 1 1200-1800 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
94/ 93												.1						1	1				
92/ 91											.1							1	1				
90/ 89									.1									1	1				
88/ 87									.1									1	1				
86/ 85							.1	.3	.2	.1								7	7				
84/ 83						.1	.1	.3	.2	.1								10	10				
82/ 81						.1	.2											3	3				
80/ 79					.1	.3	.4	.1	.1									10	10				
78/ 77				.1	.1	.3	.3	.2	.1	.2	.2							16	16				
76/ 75			.4	.1	.1	.3	.2	.6	.1	.1								19	18	1			
74/ 73					.1	.1	.2	.1	.4									9	0	8			
72/ 71		.3	.1			.2	.4	.2										14	6	14			
70/ 69		.1	.4	.4	.3	.4	.6	.2	.1									30	30	15	4		
68/ 67		.1	.3	.3	.2	.4	.4	.4										26	26	16	13		
66/ 65		.2	.2	.2	.4	.4	.5	.1	.2									22	22	16	8		
64/ 63			.1	.2	.3	.4	.4		.1									20	20	19	6		
62/ 61	.1	.2	.2	.3	.6	.2	.1											23	23	15	1		
60/ 59			.1	.6	1.1	.2	.1											30	30	22	16		
58/ 57			.2	1.2	1.1	1.1	.1											33	33	24	15		
56/ 55		.1	.5	3.7	2.4	1.1	.2											83	83	25	13		
54/ 53	.2	.4	.2	1.6	1.0	.2												54	54	51	10		
52/ 51	.1	1.5	1.1	1.8	1.1	.5												57	57	46	21		
50/ 49	.1	1.2	1.2	2.8	1.3	.2												69	69	76	36		
48/ 47		2.8	.9	1.8	.8													58	58	73	32		
46/ 45	.4	3.7	1.6	1.6	1.0													77	77	90	47		
44/ 43	.5	1.4	1.9	2.5	1.1													67	67	91	74		
42/ 41	.4	2.1	2.8	1.7	.4													69	69	63	102		
40/ 39	.8	.8	1.7	.5														35	35	71	52		
38/ 37	.1	.9	1.5	.2														25	25	60	78		
36/ 35			1.4															17	17	46	76		
34/ 33		.2	.4															6	6	24	31		
32/ 31	.1	.2	.1															9	9	17	45		
30/ 29		.5	1.3	.1														18	18	9	46		
28/ 27		.5	.2															7	7	11	46		

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AM 64 0-26-5 (OL A) (OVER) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253.0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAR MONTH

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
15/ 19																				12	36
10/ 13																				2	33
7/ 11		.2																2	2		29
1/ 6		.1																1	1	2	22
0/ 1																				1	11
-5/ 0																					5
-10/ -6																					3
-15/ -11																					4
-20/ -16																					4
TOTAL	.7	18.7	21.7	22.7	14.2	9.7	4.8	2.7	1.8	.5	.3	.1							930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	Mean No. of Hours with Temperature ≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3770193	56375	60.6	17.499	930							
Dry Bulb	1631481	39585	42.6	12.560	930		18.9	5.0	2.1	.2		93
Wet Bulb	1369697	34375	37.	10.329	930		31.8					93
Dew Point	897201	26777	28.8	11.656	930	.8	61.9					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72383 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
MAR — MONTH

PAGE 1 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
38 / 35												.1	.1					2	2			
34 / 33													.1					1	1			
35 / 32											.1							1	1			
76 / 75							.2	.3	.2	.1								8	8			
74 / 73							.2	.3		.1								7	7			
73 / 73						.1		.2	.1									4	4			
71 / 69					.2	.1	.5		.4	.1								13	13			
69 / 67						.2	.2	.3	.3	.3	.2							15	15			
66 / 65				.2	.3	.5	.1	.4	.2	.2								18	18			
64 / 63			.3		.2	.3	.3	.1		.1								17	17	4		
62 / 61			.2	.2	.1	.3		.0	.1									17	17	12		
61 / 59			.2	.4	.2	.1	.2	.1	1.1	.1								23	23	13	5	
58 / 57				.3	.2	.2	.4	.5	.4									20	20	18	1	
56 / 55			.2	.3	.2	.4	.3	.6	.3	.2								27	27	18	10	
54 / 53			.1	.1	.5	.4	.2			.1								20	20	29	13	
52 / 51			.2	.2	.3	1.5	.4											25	25	14	11	
50 / 49			.3	.5	.8	1.1	.6	.1										33	33	20	18	
48 / 47			.5	.3	.4	1.2	1.1											33	33	32	18	
46 / 45			.6	.5	.7	2.2	.9											59	59	44	18	
44 / 43	.2		.3	1.1	2.7	1.4	1.3											65	65	48	13	
42 / 41		1.2	2.1	2.2	1.2	1.7												70	70	30	18	
40 / 39	.2	1.7	1.6	2.3	1.4	.2												69	69	57	35	
38 / 37	.1	2.2	2.4	1.5	.3													65	65	106	31	
36 / 35	.2	2.1	2.2	2.2	.9	.2												71	71	76	45	
34 / 33	.9	1.7	1.7	1.3	.4													92	92	98	77	
32 / 31	.4	1.6	2.9	3.1	.5													91	91	66	95	
30 / 29	.5	.4	1.9	.1														28	28	63	63	
28 / 27	.1	.4	1.6	.5														25	25	51	81	
26 / 25	.2	1.3	1.7															30	30	51	65	
24 / 23			.3															3	3	34	30	
22 / 21			.3	.3														6	6	17	42	
20 / 19			.3	.6														9	9	7	66	
18 / 17			.1	.8														8	8	4	39	
16 / 15			.2	.1														3	3	8	26	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 80 64 — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAR MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
14/ 13		.1	.1															2	2	7	34
1 / 11																				3	36
1 / 9																					12
/ 7																					12
/ 5																					1
/ 3																					5
/ 1																					6
/ -1																					3
- / -3																					1
TOTAL	.2	.1	.2	.3	.2	.4	.1	.4	.7	.9	.2	.3	.1	.4	.9	.1	.0	.1	.1	.2		930	930
																		930			

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3639896	55769	60.0	17.826	930							
Dry Bulb	1845881	39753	42.7	12.563	930		19.5	5.1	1.9	.3		93
Wet Bulb	1366260	34378	37.0	10.137	930		31.1					93
Dew Point	880987	26579	28.6	11.930	930	.9	61.7					93

USAFETAC FORM 0-26-5 (OL A) 80-04 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAR (MONTH)

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
78 / 77										.1								1	1				
74 / 73							.1			.1								2	2				
77 / 74						.2	.1	.1										4	4				
7 / 69						.3		.1		.1								5	5				
69 / 67					.2	.1		.1										4	4				
68 / 65					.4		.3											7	7				
64 / 63				.2	.3		.2	.2	.2									11	11				
62 / 61			.2	.4	.2	.3	.4	.1	.1									22	22	9			
6 / 59			.1	.3	.1	.3	.1	.2										11	11	9			
58 / 57			.6	.5	.2	.3	.3	.1										21	21	11	3		
56 / 55			.4	.4		.8	.6	.4										24	24	18	6		
4 / 53			.4	.2	.2	.5	.6	.2										23	23	19	22		
52 / 51			.3	.5	.5	.4	.3	.1										21	21	22	17		
5 / 49			.1	.2	1.1	.4	.1		.1									25	25	13	9		
48 / 47			.5	.5	.9	.5	.3											26	26	29	6		
46 / 45	.2	.8	1.2	1.4	1.2	.2	.1											46	46	40	13		
44 / 43	.2	.5	1.1	.9	.9													32	32	29	17		
42 / 41		1.2	1.3	1.2	.5	.1												46	46	40	29		
40 / 39		2.3	4.1	1.4	.6	.1												79	79	39	32		
38 / 37		3.1	2.2	1.4	.9													70	77	68	31		
36 / 35	.6	4.1	4.5	1.6	.5													106	106	92	50		
34 / 33	.3	3.3	2.4	1.2														65	65	86	69		
32 / 31	.8	3.3	5.1	1.3	.1													98	98	99	109		
30 / 29	.5	1.1	2.1	.3														36	36	78	61		
28 / 27	.1	1.8	1.8	.2														37	37	63	67		
26 / 25	.4	1.3	1.4	.2														31	31	52	65		
24 / 23		.8	1.1															17	17	33	47		
22 / 21	.4	1.3	1.2															25	25	25	48		
20 / 19		1.2	.9															12	12	21	56		
18 / 17		.2	.1															6	6	16	41		
16 / 15		.1	.2															3	3	6	26		
14 / 13		.5	.1															6	6	3	29		
12 / 11		.6																6	6	6	20		
1 / 9		.2																2	2	8	19		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL 74-83 MAR
STATION STATION NAME YEARS MONTH

PAGE 2 1900-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 7																			1	11
6 / 5																				9
4 / 3																				2
/ 1																				6
/ -1																				4
-2 / -3																				3
TOTAL	3.1[illegible]	.9	33.	9	18.	8.7	4.5	2.9	1.1	.3	.3							930	93[illegible]		930
																		930.		93.	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	99[illegible]7856	62962	67.7	15.588	930							
Dry Bulb	1579[illegible]58	36120	38.8	11.655	930		27.9	1.6	.3			93
Wet Bulb	1217109	32319	34.7	10.065	930		41.1					93
Dew Point	866059	26367	28.3	11.295	930	.7	62.6					93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
MAR — MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31							
[illegible]					•1																1	1		
[illegible]					•1	•2															4	4		
[illegible]						•1	•1														2	[illegible]		
[illegible]			•1	•3	•1	•1	•2		•1												11	11		
[illegible]			•4	•5	•1	•2															10	10	1	
[illegible]		•6	•4	•2		•3	•2	•5													22	22	4	
[illegible]		1.2	•3	•4	•2	•1	•1	•3													25	25	21	2
[illegible]		•3	•3	•1	•3	•2															17	17	18	17
[illegible]		•1	•2	•5	•1	•3															12	12	14	14
[illegible]		•4		•2	•5	•3															14	14	11	15
[illegible]	•2	•8	•2	•2	•1																10	10	15	10
[illegible]		•8	•4	1.5	1.3																34	34	17	11
[illegible]	•1	1.5	1.1	1.7	•2																43	43	24	9
[illegible]	•2	•5	1.4	•1	•1																31	31	37	15
[illegible]		•6	1.7	1.[illegible]	•4	•1															36	36	35	32
[illegible]		1.7	2.9	•6	•1																50	50	42	15
[illegible]	•3	3.8	1.4	•6	•2																52	58	49	20
[illegible]	1.[illegible]	5.2	5.1	1.[illegible]																	113	113	89	48
[illegible]	•6	5.8	3.4	•4																	96	96	90	81
[illegible]	1.3	5.8	3.5	•5																	98	98	112	117
[illegible]	•3	1.5	2.7																		42	42	86	86
[illegible]		3.8	1.1																		44	44	46	62
[illegible]		2.[illegible]	1.2																		34	34	62	55
[illegible]	•4	2.1	•5																		25	25	34	37
[illegible]	•3	2.5	•8																		38	38	44	61
[illegible]		1.8	•5																		20	20	21	67
[illegible]		•8	•2																		9	9	20	33
[illegible]		1.1																			10	10	8	36
[illegible]		•3	•1																		3	3	9	25
[illegible]	•1	•8	•1																		9	9	5	9
[illegible]		•5																			6	6	9	13
[illegible]		•3																			3	3	7	18
[illegible]																								8
[illegible]																								5

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-3 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
MAR — MONTH

PAGE 2 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
0 / 1																					4
-1 / -2																					4
-3 / -3																					3
-4 / -5																					1
TOTAL																		930	930	930	930

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2401782	68701	73.9	13.396	930							
Dry Bulb	1353116	33946	36.4	11.429	930		34.1	.5				93
Wet Bulb	1134617	31053	33.4	10.258	930		86.3					93
Dew Point	867771	26931	28.9	11.203	930	.8	64.1					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7353 C — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
MAR — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]												.0	.0					2	2		
[illegible]												.1	.0					2	2		
[illegible]											.0							1	1		
[illegible]									.0									1	1		
[illegible]									.0	.0	.0							3	3		
[illegible]							.0	.1	.1	.0								16	16		
74 / 77						.1	.1	.1	.0	.0								20	20		
[illegible]						.1	.0	.0	.0									11	11		
[illegible]					.1	.1	.1	.1	.2	.0								34	34		
67 / 67				.1	.1	.1	.1	.1	.1	.1	.1							47	47		
66 / 65			.1	.1	.1	.1	.1	.1	.1	.0								53	53	1	
64 / 63		.1	.1	.2	.1	.2	.2	.1	.1	.0								76	76	12	
[illegible]		.2	.3	.2	.1	.2	.2	.2	.0									107	107	39	
[illegible]		.1	.4	.2	.1	.2	.1	.1	.0									136	136	69	11
[illegible]	.0	.1	.4	.3	.2	.2	.2	.2										156	156	120	50
56 / 56	.0	.1	.4	.1	.4	.3	.2	.1	.1									137	137	122	91
[illegible]		.1	.2	.2	.4	.3	.4	.1	.0	.0								141	141	127	90
[illegible]	.1	.2	.3	.4	.6	.3	.1											144	144	123	107
[illegible]	.1	.1	.3	.4	.5	.2	.1	.0										152	152	100	86
47 / 47	.0	.1	.5	.4	.6	.4	.1											208	208	168	86
44 / 45	.1	1.1	.2	1.6	.9	.3	.1											363	363	218	86
44 / 43	.1	.1	1.4	1.1	.7	.2												327	327	265	101
42 / 41	.1	1.1	1.5	1.3	.5	.2												346	346	279	210
40 / 39	.2	2.1	2.5	1.4	.5	.1												505	505	373	222
[illegible]	.2	3.2	2.1	1.2	.3													529	529	513	218
36 / 35	.5	4.6	3.2	1.1	.3	.1												724	724	651	375
34 / 33	1.3	3.8	2.7	.9	.2													660	660	801	576
32 / 31	1.1	3.9	3.3	1.0	.1													703	703	695	869
[illegible]	.6	1.9	1.9	.2														335	335	623	523
28 / 27	.4	2.6	1.3	.1														330	330	476	562
26 / 25	.2	2.3	1.2	.1														278	278	427	520
24 / 23	.1	1.2	.6															138	138	307	338
22 / 21	.0	1.7	.4															214	214	233	408
[illegible]	.5	1.6	.6	.1														194	194	180	501

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAR MONTH

 | ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1[illegible] / 17	.1	1.0	.3															102	102	150	294
[illegible] / 15	.	.2	.1															78	78	104	256
14 / 13	.	.6	.1															49	49	85	212
1. / 11	.1	.4	.															39	39	69	188
1[illegible] / 9	.1	.3																29	29	45	130
[illegible] / 7	.2	.3																28	28	33	118
[illegible] / 5		.1																5	5	14	58
[illegible] / 3		.1																6	6	6	46
[illegible] / 1		.1																6	6	7	42
[illegible] / -1	.1																	5	5	5	31
[illegible] / -3																					19
[illegible] / -5																					11
[illegible] / -7																					7
[illegible] / -9																					4
-1 / -11																					1
TOTAL	.538	.327	.113	.4	.6	.3	.7	1.7	1.3	.5	.2	.1	.0	.0				7440			7440
																		7440		7440	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	3897782[illegible]	524561	70.5	16.195	7440							
Dry Bulb	1155683	278696	37.5	22.254	7440	.5	253.9	13.7	9.5	.5		744
Wet Bulb	[illegible]340813	251663	33.8	19.548	7440	.5	343.9					744
Dew Point	6875[illegible]55	208205	28.0	21.479	7440	7.3	513.1					744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE TAP IL STATION NAME | 79-83 YEARS | APR MONTH

PAGE 1 | 0000-2100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]					.1	.2		.1										4	4		
[illegible]					.4	.2	.1	.1	.1									9	9		
[illegible]		.1	.1	.2		.2	.2	.6										13	13		
[illegible]		.1	.2	.7	.1	.1	.3	.2	.1									17	17	1	1
[illegible]		.2	1.1		.2	.3		.1										23	23	7	
[illegible]		.3	1.2	.2	.3	.3	.1	.1										28	28	17	6
[illegible]		.6	.3	.3	.3	.1	.2											30	29	23	9
[illegible]	1.1	.2	.6	.8	.1	.1	.1											32	32	29	28
[illegible]	.6	.3	.6	.1	.3	.2												27	27	21	20
[illegible]	.1		.6	.2	.4	.1												17	17	32	12
[illegible]	.2	.4	.3	.4	1.1	.3												30	30	25	9
[illegible]	.1	.4	1.2	1.1	1.4													85	85	23	19
[illegible]		1.2	1.4	.7	.6													38	38	26	20
[illegible]	.4	2.4	1.1	1.2	.4	.3												56	58	59	35
[illegible]		1.6	2.4	2.1	.3	.3												61	60	64	42
[illegible]		3.1	4.2	.4	.2													75	75	52	36
[illegible]	.2	3.2	4.1	.4	.6													84	84	78	49
[illegible]	.6	3.9	2.6	1.6														79	79	91	63
[illegible]	.6	3.8	1.9	.3														56	58	87	68
[illegible]	.2	2.2	2.8															84	84	70	78
[illegible]	.3	5.4	2.7															75	75	63	128
[illegible]	.4	2.1	1.1															32	32	71	67
[illegible]	.2	.2	.2															5	5	29	48
[illegible]	.2	.4	.6															12	12	16	58
[illegible]																				7	27
[illegible]		.6	.2															7	7	6	31
[illegible]		.3	.1															4	4	4	17
[illegible]		.1																1	1	3	11
[illegible]		.1																3	3	2	6
[illegible]																				2	1
[illegible]																					5
[illegible]																					3
[illegible]																					3

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_n	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 [illegible] CHICAGO-O'HARE IAP IL — STATION / STATION NAME
74-83 — YEARS
APR — MONTH

PAGE 2 — 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	8.4	36.8	32.8	13.3	7.8	3.9	1.4	1.3	.2									900		900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5366186	66339	73.7	19.112	900							
Dry Bulb	1824599	39301	43.7	10.981	900		13.9	2.6				90
Wet Bulb	1521228	35968	47.0	9.654	900		20.9					90
Dew Point	1215693	31763	35.3	10.261	900		40.5					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL — 74-83 — APR

STATION — STATION NAME — YEARS — MONTH

PAGE — HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]				•1														1	1		
[illegible]						•1												1	1		
[illegible]			•1	•1	•1													3	3		
[illegible]					•2	•6												12	12	1	
[illegible]			•1	•1	•2	•1	•4	•1										14	13	1	
[illegible]			•1	•1		•3	•2											16	12	4	2
[illegible]		•4	1•1	•1		•1	•1											19	19	9	1
[illegible]		•2	1•1	•3	•6	•1												24	24	13	7
[illegible]		•3	•2	•4														13	19	28	19
[illegible]		•4	•2	•6		•2												24	25	15	22
[illegible]	•1	•5	•6	•2	•2	•3	•1											19	19	20	21
[illegible]	•2	•6	•4	1•3	1•3	•2												37	37	36	18
[illegible]		1•3	1•3	1•1	•6													51	41	18	13
[illegible]		2•1	2•3	1•1	•7													55	55	28	21
[illegible]	•1	2•2	2•1	1•2	•1													62	62	39	44
[illegible]	•1	2•2	1•4	•5	•2													67	65	75	37
[illegible]	•2	2•6	3•1	•1	•3													56	56	42	39
[illegible]		3•8	4•2	•4														73	73	64	52
[illegible]	•1	4•3	3•2	•2														77	77	62	63
[illegible]	•4	4•6	2•1															64	64	85	66
[illegible]	•3	5•4	2•2	•2														79	79	77	76
[illegible]	•1	5•3	2•2	•2														75	75	93	97
[illegible]	•2	1•4	•2	•1														70	70	82	87
[illegible]		1•4	•2	•1														58	58	36	51
[illegible]		1•2																41	41	24	66
[illegible]	•2	•6	•1															8	8	13	28
[illegible]		•3	•1															3	3	6	33
[illegible]		•7	•2															9	9	4	22
[illegible]		•4																2	2	8	8
[illegible]		•1																1	1	2	5
[illegible]	•2																	2	2	3	2
[illegible]																					5
[illegible]	•1																	1	1	1	7
[illegible]																					4

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 84 — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-3 0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | APR MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
TOTAL	.5	48.	32.	11.1	4.6	2.5	1.4	.1										900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5913900	65896	73.6	12.737	900							
Dry Bulb	1745291	37961	42.2	10.723	900		15.9	1.5	.1			97
Wet Bulb	1455018	35130	39.0	9.635	900		24.3	.1				90
Dew Point	1194474	31464	35.0	10.252	900		40.5					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] / CHICAGO-O'HARE IAP IL / 79-83 / APR

STATION / STATION NAME / YEARS / MONTH

PAGE 1 / 0600-1800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
[illegible]						.1												1	1					
[illegible]					.1	.1	.2	.1										5	5					
[illegible]				.1	.2	.1	.1	.2										7	7					
[illegible]				.1	.3	.2	.1											7	7					
[illegible]			.1	.2	.6		.2											15	15					
[illegible]		.1	.1	.6	.3	.3	.3	.1										29	29	3				
[illegible]		.1	.1	.2	.1	.2	.1											27	27	19	3			
[illegible]	.1	.2	.3	.3	.3	.2												23	23	25	12			
[illegible]		.1	.1	.6	.2	.1	.3											25	25	24	23			
[illegible]		.2	.2	.6	1.8	.2												31	31	17	13			
[illegible]	.1	.3	.4	1.1	.3	.2												23	23	28	24			
[illegible]	.1	.4	1.4	1.3	1.4	.4												47	47	17	13			
[illegible]		2.1	1.2	1.7	1.7													54	54	34	17			
[illegible]		1.7	2.2	2.	.8	.1												61	61	58	28			
[illegible]		1.4	2.1	2.1	.9													77	77	61	39			
[illegible]	.1	1.2	1.2	1.2	.7													51	51	84	48			
[illegible]		1.6	1.7	1.7	.2													54	64	54	54			
[illegible]	.4	1.1	.3	.8														77	77	70	57			
[illegible]	.3	1.4	.3	.8														72	72	81	63			
[illegible]	.3	1.6	1.2	.6														57	57	94	65			
[illegible]	.2	1.8	1.2	.2	.2													58	58	73	88			
[illegible]	.2	2.1	1.2	.4														41	41	55	96			
[illegible]	.2	.9	.4	.1														19	19	47	71			
[illegible]		.4	.6															9	9	17	62			
[illegible]		.4	.2															7	7	14	39			
[illegible]		.3																3	3	6	22			
[illegible]		.2	.4															6	5	5	16			
[illegible]		.3	.2															5	5	6	19			
[illegible]		.1																1	1	4	8			
[illegible]	.1	.1																2	2	2	4			
[illegible]																				1	5			
[illegible]																					4			
[illegible]	.1																	1	1	1	8			
[illegible]																					4			

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72253 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) APR (MONTH)

PAGE 2 0600-0800 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.3	33.7	30.6	17.6	9.3	3.1	2.	.4										900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 88 F	≤ 93 F	Total
Rel. Hum.	5002114	65894	73.2	9.257	900							
Dry Bulb	1883388	60058	66.8	7.571	900		9.4	2.0	.1			90
Wet Bulb	1571678	36650	40.7	9.375	900		15.8					90
Dew Point	1257687	32369	36.0	10.199	900		35.3					90

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | APR MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
94/ 81											.1	.1						2	2		
[illegible]/ 81									.1	.1								2	2		
8[illegible]/ 79							.1	.2	.1	.1	.3	.1						9	9		
7[illegible]/ 77							.1	.3		.1								5	5		
76/ 75						.2	.1	.3	.2	.2								11	11		
74/ 73					.1	.1	.2	.6	.3	.1								13	13		
72/ 71					.2	.3	.6	.2	.1									13	13		
70/ 69			.2	.2	.1	.1	.4	.3	.1	.2								16	16		
68/ 67			.4	.7	.6	.4	.3	.3	.2									28	28	4	
66/ 65		.2	.9	.6	.1	.4	.8	.3	.3									32	32	12	
64/ 63		.8	.8	.2	.6	.8	.6	.4	.1									34	34	24	3
62/ 61		.7	.3		.6	.6	.4	1.1										33	33	25	18
60/ 59		.3	.4	.3	1.2	1.6	.7	.6										46	46	36	16
58/ 57		.6	.6	.7	.6	1.1	1.1	1.4	.1	.1								46	46	23	19
56/ 55		.6	.4	.7	1.1	1.1	1.2	.4	.1									51	51	28	20
54/ 53		.4	.3	1.3	.6	1.2	.3	.2										40	40	21	17
52/ 51		.8	1.4	1.1	2.0	1.6	.3	.2										67	67	43	18
50/ 49		.6	.8	.6	1.7	1.1	.3											45	45	51	32
48/ 47		1.4	.8	1.3	1.7	1.2	.2	.1										61	61	63	29
46/ 45	.1	1.8	1.3	2.4	2.1	.7	.1											80	80	70	51
44/ 43	.1	1.8	1.3	1.2	1.6	.2												56	56	75	47
42/ 41		.7	2.1	1.0	.8													40	40	94	58
40/ 39	.2	1.6	2.2	1.1	.2	.2												53	53	63	47
38/ 37		1.1	.7	1.6	.3	.1												33	33	82	44
36/ 35	.2	.7	1.1	.3	.1													22	22	57	69
34/ 33	.1	1.1	1.1	.6	.1													26	26	32	75
32/ 31		.7	.9	.8	.1													22	22	37	103
30/ 29			.2	.2														4	4	15	92
28/ 27			.4	.1														5	5	13	99
26/ 25		.1	.2	.1														4	4	11	38
24/ 23			.1															1	1	8	20
22/ 21																				2	26
20/ 19																				1	23
18/ 17																					11

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 90 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS-64 0-26-5 (OL A) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7273 C — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
APR — MONTH

PAGE 2 — 0900-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1 / 15																					9
14 / 13																					4
12 / 11																					8
10 / 9																					4
8 / 7																					4
TOTAL	.4	15.2	19.1	17.4	16.2	13.1	8.6	5.9	2.0	1.0	.4	.2						900			900
																	900		900		

Element (X)	$\Sigma_R X'$	$\Sigma_R X$	$\bar{X}$	σ_R	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	3588235	54917	60.9	18.089	900							
Dry Bulb	2497914	46152	51.3	11.613	900		3.6	9.9	4.2	.9		90
Wet Bulb	1872895	40133	44.6	9.603	900		8.7	.4				90
Dew Point	1336450	33176	36.9	11.237	900		33.7					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE IAP IL 74-83 APR
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 89													.1	.1				2	2		
-6 / 85											.2	.3	.1					6	6		
84 / 81										.2	.7	.2	.2	.2	.1			11	11		
[illegible] / 81									.2	.2		.2	.3					9	9		
[illegible] / 79							.6			.2	.1	.1	.1					10	10		
76 / 77						.2	.1	.6	.7		.2		.2					18	18		
74 / 75					.3	.1	.1	.4	.7	.1	.2							18	18		
74 / 73						.1	.3	.3	.3	.1	.2	.1						14	14		
[illegible] / 71				.3	.3	.2	.3	.1	.4	.2	.2							20	20		
[illegible] / 69			.2	.3	.3	.3	.3	.2	.4	.4								28	28	2	
[illegible] / 67			.2	.1	.9	.3	.6	.3	.7	.4								36	36	11	
66 / 65		.1	.1	.2	.3	.1	.6	.7	.8	.1								27	27	17	1
64 / 63		.2	.4	.4	.6	.4	.3	1.4	.9		.1							47	47	35	6
[illegible] / 61		.2		.2	.6	.2	.6	1.3	.4	.1								43	43	30	16
[illegible] / 59		.4	.4	.3	1.2	.6	.7	1.7	.2									44	44	38	18
56 / 57	.1	.1	.3	.2	1.2	1.3	1.1	.7	.6									55	55	29	16
56 / 55		.4	.2	.6	.8	2.1	1.2	.9										60	60	30	26
54 / 53	.1	.3	.3	.4	1.0	1.0	.6	.4	.1									43	43	44	23
[illegible] / 51	.1	.1	.2	.4	2.3	1.4	.7	.3										56	56	56	29
[illegible] / 49	.1	.4	.3	1.2	.9	.7	.7	.2										41	41	59	28
47 / 47	.1	.4	.3	1.1	1.4	1.4	.4											55	55	64	26
45 / 45	.1	1.1	1.2	1.4	.7	.3												47	47	70	45
44 / 43		1.1	.3	1.9	1.1	.6	.1											49	49	76	37
42 / 41		.4	1.3	1.7	.2	.4												37	37	67	41
[illegible] / 39	.1	1.1	1.3	.4	.7	.3												34	34	62	46
36 / 37		1.4	.3	1.3	.3													34	34	72	62
36 / 35		.2	.4	.1	.6													19	19	47	72
34 / 33		.4	.2	.4	.3													19	19	28	80
32 / 31	.1	.1	.4	.3	.2													12	12	28	90
30 / 29			.2	.2														4	4	16	46
28 / 27		.2																2	2	12	35
26 / 25																				8	30
24 / 23																				3	29
22 / 21																					35

Element (X)	$\Sigma_{X'}$	Σ_{X}	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 78-83 (YEARS) APR (MONTH)

PAGE 2 1200-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
20/ 19																					21
18/ 17																					8
16/ 15																					12
14/ 13																					14
12/ 11																					4
10/ 9																					2
8/ 7																					2
TOTAL	.2	.3	.6	.4	.0	2.9	9.2	9.0	6.7	2.2	1.6	1.0	1.1	.2				970	970	970	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3009918	49058	54.5	19.327	900							
Dry Bulb	2649724	49338	54.8	12.761	900		1.8	17.2	8.8	3.8		90
Wet Bulb	2020701	41723	46.4	9.807	900		6.7	1.3				90
Dew Point	1352673	33301	37.0	11.577	900		32.8					90

USAFETAC FORM 20-6 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) APR (MONTH)

PAGE 1 1500-1700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] 91															.1			1	1		
[illegible] 89														.1				2	2		
88/ 87													.1					1	1		
86/ 85										.1			.1					2	2		
84/ 83										.2	.2		.3	.2				9	9		
82/ 81								.3	.2	.1	.2	.3	.7					17	17		
[illegible] 79								.2	.2	.1		.3		.1				9	9		
78/ 77							.5	.2	.2	.1	.2		.2					12	12		
76/ 75						.1	.4	.2	.2	.1								10	10		
74/ 73					.4	.6	.5	.3	.4	.2		.2						24	24		
72/ 71				.2	.1	.1	.4	.3	.7	.4	.6	.1						27	27		
70/ 69			.2	.1	.2	.3	.6	.4	.7	.2	.6							36	36		
68/ 67			.3	.4	.2	.2	.3	.4	.3	.3								25	25	8	
66/ 65		.2	.2		.2	.2	.4	.6	.6	.3								30	30	17	1
64/ 63		.3	.4	.3	.3	.4	.7	.8	1.0	.4	.2							45	45	32	2
62/ 61		.2	.1	.4	.4	1.0	.9	.6	.3	.2								38	38	79	14
60/ 59		.2	.4	.1	.9	.9	.6	1.6	.3	.2								53	53	34	24
58/ 57		.2	.4	.3	1.2	.4	1.2	1.3	.4									54	54	35	19
56/ 55		.1	.4	.3	.6	1.4	1.7	.7	.2									49	49	30	16
54/ 53	.1	.2	.3	1.1	.6	1.7	1.1	.6										50	50	50	18
52/ 51		.4	.4	.4	.7	.3	.9	.4										44	44	44	17
50/ 49		.4	.4	1.3	.2	.7	.2	.2										32	32	64	39
48/ 47		.4	.3	1.3	1.1	1.0	.3											40	40	61	28
46/ 45		1.6	.7	2.2	1.4	.8	.1											61	61	73	36
44/ 43		1.1	.8	1.8	.7	.7	.2											47	47	73	41
42/ 41		.7	1.3	2.1	.3	.4												43	43	61	47
40/ 39	.2	.6	1.2	1.2	.7	.4												39	39	56	45
38/ 37	.1	1.7	.8	1.2	.2													36	36	74	45
36/ 35		1.4	.2	.3	.6	.1												28	28	51	75
34/ 33	.2	.6	.8	.6														19	19	45	71
32/ 31	.1	.2	.1	1.1														13	13	24	94
30/ 29		.1	.1															2	?	20	61
28/ 27		.2																2	?	11	34
26/ 25																				8	40

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] / CHICAGO-O'HARE IAP IL / 74-83 / APR
STATION / STATION NAME / YEARS / MONTH

PAGE 2 — 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
[illegible] / 21																						26
2[illegible] / 21																						34
[illegible] / 15																						24
12[illegible] / 17																						13
1[illegible] / 15																						21
14[illegible] / 13																						5
1[illegible] / 21																						7
[illegible] / [illegible]																						2
[illegible] / [illegible]																						1
TOTAL	.0	11.0	11.1	17.8	11.7	12.8	10.9	9.2	5.9	3.2	2.0	1.0	1.4	.6	.1				900			900
																			900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3001164	46614	54.2	20.431	900							
Dry Bulb	2837627	49175	54.6	12.959	900		1.7	17.5	8.7	3.7		90
Wet Bulb	1987964	41379	46.0	9.752	900		6.3	.8				90
Dew Point	1396409	32688	36.3	11.514	900		36.2					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | APR MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
98 / 87														.1				1	1		
94 / 83												.1						1	1		
92 / 81											.1							1	1		
90 / 79								.1			.1	.4						6	6		
88 / 77									.4		.3	.1						8	8		
86 / 75							.2	.2	.2	.1	.7	.1						15	15		
84 / 73						.2		.2	.2	.3	.1	.1						12	12		
82 / 71					.3	.2	.2	.1	.3	.1								12	12		
80 / 69				.4	.2		.1	.1	.4	.4								16	16		
78 / 67		.2	.2	.3	.2	.1	.3	.2	.2	.4								28	28	2	1
76 / 65		.2	.3	.6	.2	.4	.2	.1	.3									25	25	9	2
74 / 63		.6	.6	.3	.2	.3		.4	.2									24	24	19	4
72 / 61		.2	.2	.6	.6	.2	.2	.4										26	26	30	8
70 / 59	.2	.2	.1	.2	1.0	.6	1.4	.8	.2									44	44	19	23
68 / 57			.5	1.1	.3	1.2	1.2	.1	.2									38	38	26	14
66 / 55		.2	.3	.2	.3	1.1	.2	.3										30	30	32	7
64 / 53	.1		.9	1.2	.6	1.1	.4	.1	.1									41	41	36	14
62 / 51			1.2	.7	1.6	1.8	.2	.2										55	55	27	14
60 / 49		.6	1.2	1.2	1.4	.4	.2	.1										48	48	43	20
58 / 47		1.0	.8	1.3	1.2	.8	.3											61	61	58	25
56 / 45	.1	1.8	.9	1.2	1.2	.4	.1											57	57	67	49
54 / 43	.4	1.4	1.6	1.6	2.0	.6												71	71	63	52
52 / 41	.1	.3	1.3	1.3	.8	.6												40	40	72	45
50 / 39	.1	2.2	2.3	1.8	.7													64	64	67	42
48 / 37	.2	1.2	1.4	1.1	1.0	.1												50	50	73	35
46 / 35	.6	1.4	1.6	.9	.2													42	42	78	77
44 / 33	.2	1.4	1.0	1.0	.1													38	38	59	76
42 / 31	.4	.2	1.4	.8	.1													25	25	46	98
40 / 29	.3	.2	.4	.2														11	11	30	52
38 / 27		.1	.2															3	3	24	47
36 / 25		.2	.4															6	6	11	53
34 / 23																				4	25
32 / 21			.1															1	1	4	29
30 / 19																					28

Element (X)	$\Sigma_{X'}$	Σ_{X}	$\bar{X}$	σ_{x}	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | APR MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 17																			1	20
[illegible] / 15																				22
[illegible] / 13																				6
[illegible] / 11																				7
[illegible] / 9																				3
[illegible] / 7																				1
[illegible] / 5																				1
TOTAL	2.7	15.8	22.2	18.7	14.8	11.7	6.9	3.7	3.0	1.0	1.3	.9		.1				900		900

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3675565	548.3	60.9	19.918	900							
Dry Bulb	2366669	44627	49.6	12.191	900		4.6	10.0	4.4	.6		90
Wet Bulb	1754666	38748	43.1	9.805	900		12.0	.2				90
Dew Point	1229599	31675	35.2	11.301	900		39.2	.1				90

JSAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72383 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | APR MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
76/ 77										.1								1	1		
76/ 75								.1	.2		.1							4	4		
74/ 73						.1	.2	.1	.1	.2								7	7		
72/ 71				.1		.1	.1		.3	.1								7	7		
70/ 69			.1	.2	.2	.1	.1	.6	.2	.2								16	16		
68/ 67			.5	.1	.2	.1		.1	.1									11	11		
66/ 65		.3	.3	.2	.2		.4	.2	.1									16	16	6	1
64/ 63	.1	.7	1.1	.6	.3	.4	.2	.3										34	34	11	7
62/ 61		.3	.3	.2	.2	.4	.2	.1										25	25	19	6
60/ 59	.1	.4	.2	.3	.4			.1										18	18	22	16
58/ 57	.1	.1	1.3	.4	.3	.4	.1	.1										27	27	21	14
56/ 55		.1	.3	.6	.9	1.3	.4											30	30	17	18
54/ 53	.1	.6	.6	.7	1.2	.6	.1											37	37	42	11
52/ 51		.4	.2	.1	1.3	1.1	.1											27	27	28	10
50/ 49	.1	.6	1.7	1.1	.8	.3												42	42	22	25
48/ 47	.1	1.9	1.3	1.7	1.9	.1	.1											61	61	36	19
46/ 45	.1	2.7	1.6	2.7	1.3	.4												79	79	64	38
44/ 43		2.3	2.2	2.7	.7	.1												72	72	69	49
42/ 41	.2	1.6	2.1	2.3	.1													57	57	65	42
40/ 39	.2	1.9	3.3	2.1	.6													73	73	88	42
38/ 37	.1	3.3	1.3	1.7	.2													65	65	69	62
36/ 35	.4	2.6	2.4	1.2														60	60	86	57
34/ 33	.6	1.4	2.3	.6														52	52	77	85
32/ 31	.3	1.8	1.2	.6														35	35	53	106
30/ 29	.7	.3	1.4	.1														23	23	53	67
28/ 27		.1	.3															4	4	14	62
26/ 25		.4	.3															7	7	21	44
24/ 23		.3	.1															3	3	6	21
22/ 21		.1	.3															4	4	3	31
20/ 19		.1	.1															2	2	4	30
18/ 17		.1																1	1	3	15
16/ 15																				1	12
14/ 13																					2
12/ 11																					1

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | APR MONTH

PAGE [illegible] | 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					2
[illegible]																					1
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	5.8	2.2	1.8	1.1	.7	.1								900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	4886772	61796	68.7	16.965	900							
Dry Bulb	1997731	41195	45.8	11.169	900		7.9	4.6	1.2			90
Wet Bulb	1603478	36992	41.1	9.610	900		15.8					90
Dew Point	1221579	31726	35.3	10.714	900		39.8					90

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7263 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
APR — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
92 / 91															.0			1	1		
90 / 89													.0	.0				4	4		
88 / 87													.0	.0				2	2		
86 / 85										.0	.0	.0	.0					8	8		
84 / 83									.0	.1	.1	.1	.1	.0				23	23		
82 / 81								.0	.1	.1	.0	.1	.1					29	29		
80 / 79								.1	.1	.1	.1	.1	.0	.0				34	34		
78 / 77							.0	.1	.1	.2	.0	.1	.1					44	44		
76 / 75						.0	.1	.1	.2	.2	.1	.1	.0					58	58		
74 / 73					.1	.1	.2	.2	.2	.1	.1	.1						72	72		
72 / 71				.1	.2	.2	.2	.1	.2	.1	.1	.0						89	89		
70 / 69			.0	.2	.3	.2	.2	.3	.3	.1	.1							131	131	2	
68 / 67		.0	.0	.3	.3	.3	.2	.3	.2	.2								156	158	26	1
66 / 65		.1	.1	.3	.3	.2	.3	.3	.3	.1								174	174	63	6
64 / 63	.1	.1	.2	.4	.3	.4	.4	.5	.3	.1	.0							249	249	132	24
62 / 61		.3	.6	.2	.4	.6	.4	.5	.1	.0								239	239	178	72
60 / 59	.1	.3	.4	.5	.5	.5	.4	.5	.1	.0								274	274	216	125
58 / 57	.0	.4	.7	.7	.6	.6	.7	.3	.2									295	295	210	152
56 / 55		.2	.5	.5	.7	1.1	.7	.3	.2									303	303	190	140
54 / 53	.1	.3	.4	.3	.6	.3	.5	.2	.0									270	270	293	140
52 / 51	.1	.3	.3	.8	1.4	.3	.3	.2										363	363	276	174
50 / 49	.1	.4	1.1	1.1	1.1	.4	.2	.1										348	348	311	193
48 / 47	.2	1.4	1.3	1.3	1.3	.6	.2	.2										432	432	394	196
46 / 45	.1	2.3	1.4	2.1	1.0	.4	.1											521	521	523	337
44 / 43	.1	1.7	1.5	1.7	.9	.3	.1											451	451	579	353
42 / 41	.1	1.3	2.4	1.4	.4	.2												412	412	517	362
40 / 39	.2	2.2	2.9	1.1	.4	.1												497	497	585	389
38 / 37	.2	2.7	1.8	1.3	.3	.0												446	446	604	437
36 / 35	.3	2.4	1.5	.5	.2	.0												350	350	585	549
34 / 33	.3	2.1	1.7	.4	.1													335	335	457	629
32 / 31	.2	2.1	1.3	.5	.1													298	298	379	812
30 / 29	.4	.7	.6	.1														125	125	334	493
28 / 27	.1	.3	.3	.1														48	48	150	386
26 / 25	.1	.4	.2	.1														47	47	113	358

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible]3 C — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
APR — MONTH
PAGE 2
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	•	.1	.[illegible]															15	15	47	194
[illegible]		.1	.2															21	21	26	235
[illegible]		.2	.1															19	19	16	179
[illegible]		.1																5	5	19	98
[illegible]	•	.1																6	6	7	91
[illegible]	•																	2	2	6	39
[illegible]																					47
[illegible]	•																	2	2	2	29
[illegible]																					21
[illegible]																					2
TOTAL	.324	.223	.116	.411	.6	8.1	5.5	3.9	2.4	1.0	.7	.4	.3	.1	.0		7200		7200		7200
																		7200		7200	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	33247[illegible]14	469812	65.3	18.974	7200							
Dry Bulb	17931975	347805	48.3	12.533	7200		58.8	65.3	27.5	8.6		720
Wet Bulb	13787025	306727	42.6	10.002	7200		109.9	2.8				720
Dew Point	10114515	258162	35.9	10.916	7200		298.0	.1				720

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAY MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
78/ 77							.1		.1									2	2			
76/ 75						.1		.1										2	2			
74/ 73					.1	.1	.2											9	9			
72/ 71				.2	.2	.5	.3	.1										13	13			
70/ 69				.1	.2	.3	.2	.1										11	11			
68/ 67		.1	.1	.1	.3	.4	.6											51	51	7		
66/ 65		1.2	1.5	.8	.6	.5	.4											47	47	18	3	
64/ 63		.9	.6	1.1	.8	1.1	.1											40	40	50	23	
62/ 61	.1	1.1	.5	1.5	.8	1.1	.2											49	49	34	37	
60/ 59	.5	2.3	1.1	.6	1.1	.6	.2											66	66	43	39	
58/ 57	.2	2.4	1.4	1.1	.3	.3												52	52	55	45	
56/ 55		1.5	1.4	.8	.8		.2											43	43	65	36	
54/ 53	.4	2.5	1.9	1.2	1.1	.1												67	67	57	41	
52/ 51	.6	1.9	1.9	1.3	.5	.5												63	63	71	62	
50/ 49	.6	3.1	2.2	1.4	1.1	.2												74	74	63	49	
48/ 47		2.6	2.4	1.5	1.1													69	69	60	50	
46/ 45	.2	3.4	2.8	1.1														75	70	74	93	
44/ 43		2.5	2.2	.9														51	51	83	51	
42/ 41		2.1	2.4	.6		.1												48	48	71	59	
40/ 39		1.6	1.7	.2														33	33	54	72	
38/ 37		1.1	.6	.1														23	23	47	62	
36/ 35	.2	1.1	.4	.2														24	24	31	55	
34/ 33		.5	.1	.1														9	9	22	55	
32/ 31	.1	.5	.2	.1														9	9	14	43	
30/ 29		.3																3	3	4	31	
28/ 27																				6	7	
26/ 25																				1	5	
24/ 23																					2	
22/ 21																					5	
20/ 19																					2	
18/ 17																					2	
16/ 15																					1	
TOTAL	3.1	33.1	28.6	16.9	9.8	5.5	2.7	.3	.1									930				930
																		930		930		

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5490297	70277	75.6	13.908	930							
Dry Bulb	2679575	49069	52.8	9.874	930		1.2	9.0	1.5			93
Wet Bulb	2284863	45333	48.7	8.967	930		2.5	.7				93
Dew Point	1959113	41685	44.8	9.880	930		9.8					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7958.0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAY MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
75/ 75						.1												3	3		
72/ 73			.1	.4														5	5		
7 / 69			.5	.4	.1													11	11		
68/ 67		.2	1.6	.9	.8	.6												35	35	3	
66/ 65		1.8	2.3	.4	.3	.1	.2											47	47	20	3
64/ 63		1.6	1.1	1.5	.6	.1												46	46	43	23
62/ 61	.2	1.1	.5	1.6	1.2	.2												45	45	37	36
6 / 59	1.1	2.5	1.1	1.1	.8	.5												65	65	49	50
58/ 57	.5	2.4	1.5	1.5	.9													63	63	55	41
56/ 55	.3	2.2	1.8	.9	1.4	.2												59	59	58	43
54/ 53	.6	1.7	2.2	.9	.2	.1												53	53	56	43
52/ 51	.3	2.2	1.7	.4	.6													49	49	65	57
5 / 49	.3	2.7	3.1	2.2	.5													82	82	59	54
48/ 47		2.1	2.2	1.2	.6													66	66	61	50
46/ 45		2.7	3.[illegible]	1.0	.1													63	63	78	62
44/ 43		4.7	2.[illegible]	.5	.2													70	70	68	64
42/ 41		2.4	2.3	.2														45	45	84	63
4 / 39	.1	1.5	1.5	.1														30	30	53	79
38/ 37	.5	1.6	1.[illegible]	.1														30	30	45	58
36/ 35	.3	1.7	.4															23	23	31	64
34/ 33	.1	1.6	.4															20	20	28	33
3 / 31	.3	1.1	.3	.1														17	17	21	52
3 / 29	.1	.1																2	2	10	20
2 / 27		.1																1	1	6	21
26/ 25																					2
24/ 23																					7
22/ 21																					2
2 / 19																					2
18/ 17																					1
TOTAL	4.9	38.9	3[illegible].3	15.6	8.1	2.3	.1											930	93[illegible]		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5937556	73482	79.0	12.195	930							
Dry Bulb	2562685	47981	51.6	9.692	930		2.0	5.4	.3			93
Wet Bulb	2244832	44896	48.3	9.132	930		3.7	.3				93
Dew Point	1976282	41866	45.0	9.929	930		10.7					93

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

 0600-0800 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
78/ 79							.1	.3										4	4		
76/ 77					.1	.2	.4											7	7		
74/ 75			.2	.2	.4	.5	.3											16	16		
72/ 73			.2	.4	.1	1.1	.4											21	21		
70/ 71			.5	.9	.1	.5	.2											21	21	3	
68/ 69		.2	1.0	1.2	.6	.5	.5	.2	.1									41	41	6	3
66/ 67	.1	1.0	1.5	1.1	1.0	.5	.3											50	50	25	5
64/ 65	.1	1.6	1.5	1.1	1.1	.9	.4	.1										63	63	45	19
62/ 63	.1	1.2	1.1	1.1	.8	1.1	.2	.1										50	50	58	35
60/ 61	.2	1.6	.6	.9	.5	.9	.5	.2										51	51	48	47
58/ 59	.2	2.3	.6	.9	1.8	1.1	.1	.1										63	63	53	46
56/ 57	.3	1.5	1.9	1.5	1.8	.5	.1											72	72	56	52
54/ 55	.2	1.1	1.4	1.9	1.8	.5	.3											67	67	53	57
52/ 53	.2	1.9	1.9	2.3	.9	.3												69	69	65	33
50/ 51	.1	1.8	2.5	1.5	1.3	.2												69	69	70	49
48/ 49	.3	1.3	2.2	1.3	.6	.1												56	56	96	59
46/ 47	.1	2.6	1.7	1.8	.8	.1												62	62	73	58
44/ 45		2.0	1.7	1.5	.9	.1												55	55	75	81
42/ 43		1.3	1.8	.9														33	33	59	73
40/ 41		.3	1.1	.6	.1													19	19	51	70
38/ 39	.2	1.1	.6	.1	.1													19	19	34	53
36/ 37	.1	.3	.6	.2														12	12	32	45
34/ 35	.3	.3	.2	.1														9	9	13	59
32/ 33				.1														1	1	10	28
30/ 31																				3	27
28/ 29																				2	19
26/ 27																					6
24/ 25																					3
22/ 21																					3
20/ 19																					3
TOTAL	2.7	23.2	28.7	20.5	14.3	9.2	4.1	1.1	.1									930	930		930
																				930	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	5068126	67242	72.3	19.757	930							
Dry Bulb	3065046	52648	56.6	9.543	930			16.0	4.8			93
Wet Bulb	2560454	48118	51.7	8.732	930		.5	3.4				93
Dew Point	2172204	43978	47.3	9.992	930		6.1	.8				93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 CHICAGO-O'HARE IAP IL 74-83 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
92/ 91													.1						1	1		
90/ 89											.2								2	2		
88/ 87										.4		.1							5	5		
86/ 85							.1		.2	.3	.2								8	8		
84/ 83						.1		.3	.5			.1							10	10		
82/ 81					.2	.5	.6	.5	.5	.4	.1	.1	.1						30	30		
80/ 79				.3	.2	.3	.8	.6	.4	.2	.1	.2							34	34		
78/ 77				.2	.8	1.2	1.2	1.0	.2	.5	.1	.1							47	47		
76/ 75			.1	.6	1.2	.3	1.1	1.0	.4	.4		.1							48	48		
74/ 73			.3	.7	.2	.9	1.1	.4	.2	.2	.1								40	40	10	
72/ 71		.1	.5	.5	.5	.8	.2	1.0	.4	.1	.1								42	42	15	4
70/ 69			.9	1.3	.8	.3	1.3	.5	.6		.3								53	53	42	8
68/ 67		.3	.6	1.0	.3	1.2	1.8	.6	.6	.7									64	64	55	18
66/ 65		.3	1.0	.6	.4	.6	.9	1.2	.2	.1									50	50	46	27
64/ 63	.1	1.1	.5	.6	.5	1.6	1.1	.4	.2										59	59	72	38
62/ 61		1.5	.2	.5	1.6	1.5	.9	.3	.1										62	62	54	49
60/ 59		.8	1.2	1.2	2.0	1.7	.6	.9	.2										80	80	54	65
58/ 57		.6	.2	1.5	1.7	1.2	.5	.2	.1										57	57	61	49
56/ 55	.1	1.2	1.3	1.1	1.6	.6	.6	.1											59	59	63	51
54/ 53	.3	.8	.9	1.1	.9	.9	.2												46	46	91	47
52/ 51		.8	.3	.4	1.0	.8	.3	.1											32	32	90	32
50/ 49	.1	.5	1.1	.4	.5	.6													31	31	65	57
48/ 47		.8	.2	1.3	.1	.1													23	23	60	63
46/ 45		1.3	.2	.5	.4														20	20	49	68
44/ 43		.4	.3	.4	.2														13	13	38	68
42/ 41		.2			.1														3	3	27	62
40/ 39	.1	.4		.1															8	8	19	57
38/ 37																					13	41
36/ 35	.3																		3	3	5	45
34/ 33																					1	23
32/ 31																						21
30/ 29																						16
28/ 27																						9
26/ 25																						2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 26-5 (OL A) 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE IAP IL 74-83 MAY
STATION STATION NAME YEARS MONTH

 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																						
22/ 21																						2
2[illegible]/ 19																						2
TOTAL	1.1[illegible]	.6[illegible]	.7[illegible]	14.5	15.6	15.2	13.2	9.2	5.3	3.0	1.3	.8	.2							93[illegible]		930
																			930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3588868	55318	59.5	17.806	930							
Dry Bulb	3914107	59511	64.0	20.681	930			38.4	22.5	7.7		93
Wet Bulb	2934531	51607	55.5	8.729	930			12.2	1.0			93
Dew Point	2262983	49999	53.8	10.639	930		6.3	3.0				93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7353.0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 78-83 YEARS | MAY MONTH

 1200-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
97/ 91											.2	.3	.1	.5				11	11		
90/ 89										.3	.3	.3	.2					15	15		
88/ 87								.1	.1	.3	.3	.1	.1	.1				11	11		
86/ 85						.1	.4	.5	.8	.9	.4			.3				26	26		
84/ 83						.2	.4	.6	.8	.2	.4	.3	.1					31	31		
82/ 81					.2	.4	.6	.5	.4	.8	1.0	.4	.1					42	42		
80/ 79					.2	.8	.4	.5	.5	.3	.8							33	33		
78/ 77				.2	1.0	.8	.6	1.1	.5		.2	.1						42	42		
76/ 75				.2	1.3	.8	.9	1.0	.9	.8	.4	.2						59	59	1	
74/ 73			.1	.2	.8	1.0	.5	1.4	1.6	.2	.4	.2						63	63	15	
72/ 71				.6	1.3	.5	.8	1.3	.8	.9	.1	.1						59	59	28	2
70/ 69			.4	.2	.4	.8	.5	1.4	1.0	.6								56	56	49	3
68/ 67		.1	.6	.4	.5	1.0	.4	.3	.4	.3								39	39	55	24
66/ 65		.2	.6	.4	1.0	.5	.9	.3	.2									39	39	59	27
64/ 63	.1	.5	1.1	.9	.9	.8	1.6	1.0	.3									66	66	78	34
62/ 61	.1	.4	.8	.6	1.7	1.5	1.6	1.1	.4									77	77	52	43
60/ 59		.3	.2	1.1	1.2	1.0	1.0	.5	.3									60	60	76	59
58/ 57		.6	.6	.2	1.6	1.1	.2											41	41	73	54
56/ 55	.1	.5	.5	.4	.6	.9	.5	.1	.1									35	35	65	55
54/ 53	.2	.6	.5	.6	.4	.5	.2	.2	.1									31	31	77	49
52/ 51		.3	1.2	.3	.3	.2	.1											29	29	70	50
50/ 49			.5	.1	.9	.6												20	20	65	66
48/ 47		.2	.5	.8		.5	.1											20	20	57	42
46/ 45		.6		.2	.1													9	9	30	77
44/ 43		.3	.1	.1														5	5	29	55
42/ 41		.5	.1	.1														7	7	21	52
40/ 39		.1																1	1	22	62
38/ 37	.1																	1	1	5	46
36/ 35	.2																	2	2	3	39
34/ 33																					22
32/ 31																					25
30/ 29																					21
28/ 27																					6
26/ 25																					7

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 ? (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PAGE 2 1200-1400 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
22/ 21																						5
2 / 19																						1
18/ 17																						2
16/ 15																						2
TOTAL	.2	5.6	8.1	8.5	10.4	15.1	12.5	12.0	8.9	5.6	8.7	2.2	.6	1.0					930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dew Point	2279158	44950	48.3	10.711	930		6.9	2.9				93
Wet Bulb	3082113	52935	56.9	8.624	930			14.8	1.6			93
Dry Bulb	4353741	62755	67.5	11.337	930			48.7	33.3	15.9		93
Ref. Hum.	2940629	49537	53.3	18.030	930							

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PAGE 1 1500-1700 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
94 / 93													.1					1	1		
92 / 91											.3	.1	.3	.1				8	8		
90 / 89									.2	.1	.2	.1	.2	.4				12	12		
88 / 87								.2	.3	.3	.4	.3	.2					17	17		
86 / 85							.1	.5	.2	.6	.4		.5	.3				26	26		
84 / 83						.1	.1	.3	.8	.5		.2	.1					20	20		
82 / 81						.3	.2	.5	.2	.4	.6	.2	.2					25	25		
80 / 79						.5	.4	.9	1.4	.6	.8							43	43		
78 / 77					.1	.4	.8	.9	.9	.6	.3	.2	.1					37	37		
76 / 75			.2		1.2	1.4	.3	.6	1.3	1.1	.4	.2						63	63		
74 / 73			.1	.5	.3	1.1	1.3	1.0	1.4	.5	.4							62	62	9	
72 / 71			.5	.2	.8	.8	.8	1.3	.8	.3	.2							53	53	24	1
70 / 69			.6	.6	.8	.5	1.1	1.6	.3	.4	.2							57	57	22	4
68 / 67		.2	.1	.2	.8	.3	.6	.4	.6	.4								42	42	64	8
66 / 65		.5	.4	.6	1.0	.8	.9	.6	1.2	.1	.1							58	58	61	28
64 / 63	.1	.1	.0	1.0	1.0	.9	1.1	.8	.8	.2								61	61	70	32
62 / 61		.4	.3	.0	.9	2.2	.5	.6	.2									59	59	66	42
60 / 59		.3	1.4	.4	.5	1.2	1.2	.4										51	51	79	48
58 / 57		.4	.4	.2	1.3	1.4	1.2	.5	.1									59	59	70	42
56 / 55	.4	.8	.6		1.5	.6	.3	.2	.2									42	42	82	53
54 / 53	.2	.2		1.1	.5	.3	.6	.3	.1									32	32	55	64
52 / 51		.4	.4	.5	.8	.5	.4											29	29	70	54
50 / 49		.4	.3	.4	1.2	.5												27	27	52	57
48 / 47		.5	.3	.1	.3	.6	.1											19	19	74	51
46 / 45		.6	.1	.1	.2													10	10	42	68
44 / 43		.4	.3	.1		.1												9	9	22	65
42 / 41		.5																5	5	35	42
40 / 39																				22	57
38 / 37	.3																	3	3	10	59
36 / 35																				1	38
34 / 33																					24
32 / 31																					30
30 / 29																					22
28 / 27																					11

Element (X)	$\Sigma_{X'}$	Σ_{X}	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL-A) USAFETAC — SUPERSEDES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72853 CHICAGO-O'HARE TAP IL 74-83 MAY
STATION STATION NAME YEARS MONTH

PAGE 7 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31		Dry Bulb	Wet Bulb	Dew Point
26/ 25																					12
24/ 23																					9
22/ 21																					5
2 / 19																					6
16/ 15																					3
TOTAL	.2	6.1	8.1	7.3	13.7	10.3	10.9	12.4	11.8	10.8	6.1	4.4	1.3	1.7	.9			930	93		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	2658310	48588	52.2	10.566	930							
Dry Bulb	4276968	82198	88.4	11.232	930			46.6	31.4	12.8	.1	93
Wet Bulb	2999343	52217	56.1	8.529	930			11.9	.9			93
Dew Point	2177312	43855	47.2	10.870	930		9.3	1.3				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAY MONTH

PAGE 1 | 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
88/ 87										.1		.2	.1					4	4		
86/ 85								.1	.1	.1	.1		.1					5	5		
84/ 83							.1	.3	.4		.3							11	11		
82/ 81							.4	.4	.3	.3	.3	.1						16	16		
80/ 79						.3	.4	.9	.4	.6	.2	.3						29	29		
78/ 77						.2	1.1	.2	.9	.4	.1							27	27		
76/ 75			.1	.3		.8	.9	.9	.4	.4	.2							37	37		
74/ 73			.1	.3	.2	.4	.9	1.1	.3	.1	.1							33	33		
72/ 71			.1	.3	.8	.3	.9	1.0	.9		.1							41	41	5	
70/ 69	.1	.2	1.1	.4	.8	.8	.5	1.0	.3	.3								55	55	15	4
68/ 67		.1	1.7	.6	.8	.3	1.5	.5	.1	.3								56	56	33	3
66/ 65	.1	.8	.2	.2	.8	.5	1.2	.3	.4									48	48	50	17
64/ 63	.1	.4	.4	.4	.8	1.0	.4	.9	.2	.1								44	44	63	29
62/ 61		1.0	.5	1.1	1.0	1.1	.2	.6	.4									60	60	62	33
60/ 59		1.4	1.6	1.3	1.2	1.7	.9	.4	.2									80	67	55	17
58/ 57		1.0	1.8	1.0	.6	.9	.3	1.2										57	57	59	41
56/ 55	.1	.9	1.2	1.7	1.0	1.3	.6	.4										60	60	83	41
54/ 53	.3	.8	1.7	1.1	1.8	1.7	.5	.1										57	57	74	58
52/ 51	.1	.3	1.2	.8	.8	1.2	.2											40	40	54	56
50/ 49		.5	1.1	1.5	1.7	.8	.3	.1										48	48	69	60
48/ 47		.4	.8	.8	1.4	.3												37	37	56	65
46/ 45		1.1	1.7	.9	.3	.1	.2											33	33	65	57
44/ 43		1.2	.3	.6	.2	.2												24	24	59	63
42/ 41		.4	.3	.5	.8													18	18	56	50
40/ 39	.2		.2	.2	.2													8	8	29	52
38/ 37	.1																	1	1	21	51
36/ 35				.1														1	1	8	39
34/ 33																				12	40
32/ 31																				1	41
30/ 29																				1	22
28/ 27																					22
26/ 25																					16
24/ 23																					10
22/ 21																					6

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PAGE 2 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					6
18/ 17																					2
16/ 15																					3
14/ 13																					1
TOTAL	1.2	1.	4	18.	13.	13.8	12.	11.	10.2	5.5	2.	1.5	.6	.2				930	93	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3551[illegible]09	54741	58.9	18.891	93[illegible]							
Dry Bulb	3608882	57046	61.3	10.966	930			31.4	16.2	4.6		93
Wet Bulb	2689572	49332	53.0	8.849	930		.2	5.3				93
Dew Point	2034526	42270	45.5	11.093	930		12.9	.7				93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72853/0 STATION — CHICAGO-O'HARE IAP IL STATION NAME — 74-83 YEARS — MAY MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL O.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible] / 81									.1									1	1			
9 / 77									.2	.1	.1							4	4			
79 / 77					.1	.1	.1	.2	.5	.1								11	11			
76 / 75			.1		.3	.6	.3	.2		.1								16	16			
74 / 73				.2	.8	.9	.4	.2	.4	.2								29	29			
7[illegible] / 71					.4	.7	.4	.3	.1									14	14	1		
7 / 69		.1	.5	.6	1.3	.5	.8											34	34	2	1	
5[illegible] / 67		.2	2.4	.6	.5	.8	.2	.1										45	45	7	1	
66 / 65	.4	.8	1.6	1.1	1.4	1.[illegible]	.6	.1										63	63	39	10	
64 / 63		.2	.5	.6	.8	1.4	.4											38	38	53	23	
62 / 61	.3	1.8	.8	.9	.9	1.4	.7	.3										56	56	52	29	
6[illegible] / 59	.1	2.[illegible]	1.3	.3	.8	.5	.2											53	53	50	49	
[illegible] / 57		2.3	1.5	.9	.9	.5	.3											40	40	56	35	
5[illegible] / 55	.4	1.5	1.6	1.[illegible]	1.[illegible]	.4	.3											60	60	70	46	
5[illegible] / 53		1.5	1.7	2.2	.9	.8	.4											69	69	71	56	
52 / 51	.3	2.3	1.4	1.5	1.2	.6	.2											72	72	62	69	
5[illegible] / 49	.2	1.5	1.7	1.8	1.2	.5												65	65	67	52	
4[illegible] / 47		2.[illegible]	1.2	1.6	1.[illegible]	.1												62	62	73	65	
4[illegible] / 45		1.7	2.[illegible]	1.[illegible]	.3													56	56	53	74	
4[illegible] / 43		1.4	1.4	1.2														37	37	68	51	
4[illegible] / 41		1.[illegible]	1.1	.5		.1												25	25	75	51	
4[illegible] / 39	.5	1.[illegible]	1.1	.3	.2													34	34	59	72	
3[illegible] / 37		.4	.3	.3														12	12	33	45	
3[illegible] / 35		.4	.4	.1														9	9	13	46	
34 / 33		.3	.2															4	4	20	47	
3[illegible] / 31		.1																1	1	8	48	
3 / 29																				3	25	
2[illegible] / 27																					17	
2[illegible] / 25																					7	
2[illegible] / 23																					7	
22 / 21																					3	
2 / 19																					2	
1[illegible] / 17																					1	

Element (X)	$\bar{X}_{B'}$	$S_{B'}$	$\bar{X}$	S_X	No. Obs.	Room No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 75 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7??3 ? STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MAY MONTH

PAGE ? | 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
TOTAL	?.327	?.23?	?.?1?	?.71?	?.91?	.6	.7	1.5	1.4	.5	.1								93?			930
																			930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	4762962	64880	69.8	15.962	930							
Dry Bulb	2996252	51950	55.9	10.078	930		.1	15.9	6.1	.2		93
Wet Bulb	2483726	46960	50.5	8.838	930		1.1	1.0				93
Dew Point	2015166	42250	45.4	10.152	930		11.0	.2				93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 CHICAGO-O'HARE IAP IL 74-83 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 92													.0					1	1		
[illegible] / 91											.1	.1	.1	.1				20	20		
[illegible] / 89									.0	.1	.1	.1	.1	.1				29	29		
88 / 87								.0	.1	.1	.1	.1	.1	.0				37	37		
86 / 85						.0	.1	.1	.1	.2	.1		.1	.1				65	65		
84 / 83						.1	.1	.2	.3	.1	.1	.1	.0					72	72		
82 / 81					.1	.1	.2	.3	.2	.2	.3	.1	.1					114	114		
80 / 79				.0	.1	.3	.3	.4	.4	.2	.2	.1						147	147		
78 / 77				.1	.3	.3	.6	.4	.4	.2	.1	.0						173	173		
76 / 75			.1	.2	.6	.5	.5	.5	.4	.3	.1	.1						246	246	1	
74 / 73			.1	.4	.3	.7	.6	.5	.5	.2	.1	.0						257	257	34	
[illegible] / 71		.0	.2	.4	.6	.4	.4	.6	.4	.2	.1	.0						298	298	76	7
[illegible] / 69	.0	.1	.2	.7	.6	.5	.6	.6	.3	.2	.1							318	318	136	23
68 / 67	.0	.3	1.5	.7	.6	.5	.7	.3	.2	.2								382	382	249	59
66 / 65	.0	.0	1.2	.7	.4	.6	.7	.3	.3	.0	.0							415	415	338	134
64 / 63	.1	.8	.8	.9	.8	1.0	.6	.4	.2	.2								404	404	387	232
[illegible] / 61	.1	1.1	.5	1.0	1.1	1.0	.6	.4	.1									459	459	405	311
[illegible] / 59	.2	1.5	1.1	.9	1.2	1.1	.5	.3	.1									518	518	459	403
[illegible] / 57	.1	1.4	1.2	1.0	1.1	.6	.3	.2	.0									461	461	485	359
56 / 55	.2	1.2	1.1	.9	1.3	.6	.4	.1	.0									425	425	539	382
54 / 53	.3	1.2	1.2	1.3	.8	.5	.3	.1	.0									424	424	546	391
[illegible] / 51	.2	1.2	1.4	.9	.8	.5	.2	.0										383	383	552	429
[illegible] / 49	.2	1.1	1.5	1.2	.9	.2	.1	.0										403	403	536	454
[illegible] / 47	.0	1.6	1.2	1.1	.7	.2	.1											358	358	514	441
[illegible] / 45	.1	1.7	1.4	.9	.3	.1	.0											316	316	466	580
44 / 43		1.5	1.1	.5	.1	.0												242	242	426	490
[illegible] / 41		.9	.9	.3	.1	.0												170	170	420	449
[illegible] / 39	.1	.7	.6	.2	.1													133	133	287	502
[illegible] / 37	.1	.5	.3	.1														82	82	206	407
[illegible] / 35	.2	.5	.2	.1														71	71	105	385
34 / 33	.1	.3	.1	.0														34	34	93	272
[illegible] / 31	.1	.2	.1	.1														27	27	47	287
[illegible] / 29	.0	.1																5	5	20	176
[illegible] / 27		.0																1	1	12	99

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7[illegible]3 P	CHICAGO-O'HARE IAP IL	74-83	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE 2 — ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible] 25																					1	61
[illegible] 22																						34
[illegible] 21																						31
[illegible] 19																						24
[illegible] 17																						8
[illegible] 15																						9
[illegible] 13																						1
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.7	5.9	4.0	2.3	1.5	.6	.3	.2					7440	7440	7440	7440

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	30190255	484[illegible]15	65.1	19.059	7440							
Dry Bulb	27457256	443156	59.6	11.943	7440		3.3	210.9	116.1	80.7	.1	744
Wet Bulb	21239038	391398	52.6	9.338	7440		8.0	49.6	3.5			744
Dew Point	16896299	345896	46.5	10.997	7440		73.0	8.9				744

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72363 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUN MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]				.1														1	1		
[illegible]				.1			.1											2	2		
[illegible]			.4	.4	.2	.8	1.	.1										27	27		
[illegible]			.7	.4	.6	1.	.6											29	29	1	
[illegible]			1.1	1.	.2	.7	.2	.2										31	31	9	3
[illegible]		.6	[illegible]	.9	.9	.2	.1											42	42	12	7
[illegible]		1.4	3.	1.1	1.7	1.1	.3	.2										80	80	31	8
[illegible]		.6	3.4	1.1	1.7	1.2	.1											81	81	58	20
66 / 66		.1	2.2	1.9	1.8	.9	.1											71	71	59	42
64 / 64	.1	1.2	2.6	2.	.7	.6												65	65	83	42
[illegible]	.2	1.7	2.	2.	1.2	.2												66	66	59	61
[illegible]	.1	1.2	0.3	1.6	.6													79	79	88	64
[illegible]	.4	1.8	3.	1.9	.3	.1												68	68	91	67
54 / 55		2.2	3.9	2.4	.7	.2												85	85	96	77
[illegible]		1.8	1.7	.9	1.1													49	49	85	78
[illegible]	.4	2.6	1.8	.6	.3	.1												49	49	68	95
50 / 50	.1	1.2	.2	.3	.3													20	20	58	79
[illegible]		1.3	.2	.6														19	19	41	76
[illegible]		1.3	.2	.4														23	23	27	48
[illegible]		1.1	.1															11	11	22	35
[illegible]		.3																2	2	23	18
[illegible]																				3	22
[illegible]																					17
[illegible]																					11
[illegible]																					8
[illegible]																					2
TOTAL	1.0	22.1	33.6	20.	12.2	7.1	2.6	.4										900	900		900
																				900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5279246	68028	75.6	12.355	900							
Dry Bulb	3570021	55664	61.8	8.255	900			29.3	9.0	.2		90
Wet Bulb	2999715	51525	57.3	7.451	900			10.7	1.0			90
Dew Point	2660419	48367	53.7	8.245	900		.2	5.8	.3			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUN (MONTH)

PAGE 1 0300-0500 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
78/77			.4	.2		.2												2	9		
76/75			1.2	.3	.3	.2												25	25		
74/73		.2	1.4	1.4	.4	.2												35	35	10	2
72/71		1.2	.2	.6	.6	.2												31	31	14	11
70/69		.9	2.3	.4	.6	.2	.1											41	41	30	17
68/67	.1	2.2	2.4	1.9	1.6	.2	.4											80	80	42	28
66/65		3.3	2.7	2.1	1.6	.4												82	82	56	38
64/63	.2	3.2	3.1	2.4	1.4	.3												97	97	66	51
62/61	.1	1.7	2.1	1.9	1.1	.2												63	63	67	65
60/59	.3	2.2	3.1	1.6	.3													67	67	82	55
58/57		3.3	2.7	.8	.1													62	62	91	57
56/55		3.1	3.1	1.1	.1													64	64	85	77
54/53		3.1	2.4	1.3	.9													66	66	77	85
52/51		3.8	2.7	.8	.3													68	68	61	88
50/49		1.4	1.8	.8														36	36	70	79
48/47	.3	2.1		.9														29	29	50	71
46/45		1.2	.5	.3														19	19	40	69
44/43		1.4	.7	.1														20	20	25	33
42/41		.8																7	7	23	23
40/39																				10	17
38/37																				1	23
36/35																					10
34/33																					5
32/31																					2
TOTAL	1.1	34.7	33.4	18.6	9.2	3.1	.6											900	900		900

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5754933	71289	79.2	10.967	900							
Dry Bulb	3332753	59269	60.3	8.196	900			22.0	6.8			90
Wet Bulb	2979219	50877	56.5	7.688	900			9.6	1.0			90
Dew Point	2652290	48278	53.6	8.338	900		.2	5.8	.2			90

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72653 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JUN — MONTH

PAGE 1 — 1600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87									.1									1	1		
86/ 85				.1				.1										2	2		
84/ 81				.2		.2		.1										5	5		
82/ 79			.1	.3	.4	.2	.2	.6										17	17		
81/ 77			.7	1.4	.8	.4	.9	.2	.1									41	41	1	
79/ 75		.3	1.3	1.3	1.1	.9	.8	.1										50	50	4	
77/ 73		.8	1.8	2.1	.8	1.3	.3	.2	.1									66	66	19	6
75/ 71		1.1	1.7	1.8	1.2	1.7	1.1	.2										78	78	43	18
73/ 69	.1	.6	2.1	2.1	2.2	1.6	.7											83	83	51	45
71/ 67		1.8	1.9	2.2	2.9	1.5	.2	.1										88	88	55	37
69/ 65	.2	1.2	2.3	3.1	2.1	1.3	.1											97	97	74	61
67/ 63	.4	1.2	1.5	2.1	1.6	.6	.2											68	68	93	41
65/ 61	.1	1.1	2.7	2.3	1.8	.7	.2											80	80	98	54
63/ 59		1.3	2.1	3.1	.3	.3												65	65	100	77
61/ 57		1.2	2.4	1.6	.7	.2												55	55	92	92
59/ 55		1.3	1.3	1.0	.4													34	34	82	91
57/ 53		1.2	1.3	.7	.3													32	32	73	82
55/ 51		.9	.8	.6														19	19	40	78
53/ 49		.2	.7	.1	.2													11	11	37	85
51/ 47		.1	.1		.1													3	3	18	50
49/ 45		.3		.1														3	3	12	22
47/ 43		.2																2	2	3	24
45/ 41																				4	17
43/ 39																				1	13
41/ 37																					3
39/ 35																					2
37/ 33																					2
TOTAL	.7	14.8	25.7	25.2	17.7	10.9	4.6	1.7	.3									900			900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4867695	65205	72.5	12.638	900							
Dry Bulb	3984846	59208	65.8	7.448	900			43.1	18.2	1.6		90
Wet Bulb	3386474	54200	60.2	6.831	900			17.3	2.4			90
Dew Point	2910328	50692	56.3	7.836	900		.2	10.6	.8			90

FORM AS-4 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72533 [illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUN MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95												.1						1	1		
94/ 93											.1							1	1		
92/ 91									.1	.2								2	2		
90/ 89								.2		.1								3	3		
88/ 87						.1	.2	.3		.1	.6							13	13		
86/ 85					.4	.7	.2	.3	.3	.8		.1						25	25		
84/ 83				.1	.4	1.3	.4	.7	.8	.7	.2							42	42		
82/ 81				.6	1.1	.8	.9	.9	1.0	.2	.1							49	49		
80/ 79			.3	.7	1.3	1.4	.9	1.3	1.0	.2	.1							67	67		
78/ 77			.2	.8	1.8	1.1	1.9	.8	.6	.4								68	68	1	
76/ 75			1.3	1.4	1.7	1.7	1.8	3.0	1.1	.2								110	110	26	3
74/ 73		.3	.9	2.2	1.6	1.8	1.9	1.2	.4	.1	.1							95	95	52	18
72/ 71		.4	1.1	.6	2.1	2.3	1.9	1.0	.3	.1								88	88	55	24
70/ 69		.8	1.1	1.0	2.2	1.0	1.2	.9	.6									78	78	71	52
68/ 67		.2	.4	1.3	1.7	2.8	1.2	.7										75	75	89	57
66/ 65			.2	.9	1.7	1.1	.7	.1	.1									49	49	93	62
64/ 63		1.0	.2	1.6	1.1	.7	.3	.3										46	46	88	44
62/ 61		.7	.7	.8	1.4	.4	.2											38	38	121	43
60/ 59		.6	.1	.7	.6	.3												20	20	83	86
58/ 57			.2	.3	.1	.1												7	7	83	82
56/ 55		.4	.2	.3		.1												10	10	47	68
54/ 53			.3	.2		.2												6	6	43	67
52/ 51		.2	.3															5	5	17	93
50/ 49		.1																1	1	14	56
48/ 47		.1																1	1	8	42
46/ 45																				3	33
44/ 43																				1	20
42/ 41																					12
40/ 39																					9
38/ 37																					5
36/ 35																					3
34/ 33																					1
TOTAL		4.9	8.1	13.7	19.1	18.1	13.6	11.8	6.2	3.1	1.2	.2						900	900		900
																		900		900	

Element (X)	Σx	Σx^2	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3468748	54280	60.3	19.578	900							
Dry Bulb	4852791	65398	72.7	7.551	900			71.7	47.6	17.3	.2	90
Wet Bulb	3662821	57119	63.5	6.479	900			30.3	8.8			90
Dew Point	3026172	51658	57.4	8.245	900			15.9	2.1			90

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUN MONTH

PAGE 1 | 1200-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
98/ 97												.1	.1					2	2		
96/ 95												.1						1	1		
94/ 93									.1	.1		.2	.1					5	5		
92/ 91								.3	.3	.2	.2	.2	.2					14	14		
90/ 89							.4	.7	.6	.3	.7	.6						29	29		
88/ 87						.1	.1	1.2	.6	.6	.8	1.0	.6	.1				45	45		
86/ 85					.2	.7	.8	1.1	.9	.6	.8	.3	.1					49	49		
84/ 83				.1	.4	1.4	.3	.7	1.1	.9	.1	.4						54	54		
82/ 81				.3	1.7	1.2	1.3	.7	.8	1.3	.7	.1						73	73		
80/ 79				.4	1.3	1.3	.4	.8	1.8	1.1	.3							65	65	2	
78/ 77	.1		.4	.6	1.8	1.1	.7	1.2	2.7	1.0	.3							89	89	22	1
76/ 75		.1	.6	.8	2.0	2.1	2.2	2.9	1.6	.4	.1							115	115	38	1
74/ 73		.1	.6	.9	.7	1.6	1.6	1.9	1.1	.2								77	77	61	15
72/ 71			.6	.1	.2	1.2	1.1	1.4	.7									45	45	71	42
70/ 69		.2	.4	.7	1.3	1.3	1.6	.6	.7									61	61	77	48
68/ 67		.1	.2	.6	1.2	1.1	.3	.3	.2									43	43	87	49
66/ 65			1.3	.6	.8	1.1	.9	.1										47	47	65	66
64/ 63		.1	.2	.2	.9	.4	.6											24	24	111	51
62/ 61			.2	.8	.9	.9	.1											26	26	112	45
60/ 59		.4	.4	.6	.1	.2												16	16	86	68
58/ 57			.2	.8		.2												15	15	58	70
56/ 55				.1		.1												2	2	45	75
54/ 53			.1															1	1	37	66
52/ 51		.1																2	2	21	76
50/ 49																				4	87
48/ 47																				2	51
46/ 45																				1	34
44/ 43																					20
42/ 41																					17
40/ 39																					10
38/ 37																					1
36/ 35																					7
TOTAL	.1	1.3	6.9	7.4	13.7	16.0	14.1	13.2	12.7	7.0	4.2	2.7	.7					900	900	900	900

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	28531	48852	54.3	19.968	900							
Dry Bulb	5241870	68281	75.9	8.274	900			76.7	61.8	31.0	.8	90
Wet Bulb	3746616	58074	64.5	6.611	900			35.8	12.3			90
Dew Point	3011688	51888	57.2	8.591	900			15.6	1.7			90

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JUN — MONTH

PAGE 1 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
100/ 99													.1					1	1		
98/ 95									.1	.1		.2	.1					5	5		
94/ 93									.1			.2	.3	.1				7	7		
92/ 91								.2		.3	.1	.1	.1	.2				10	10		
90/ 89							.3	.8	.2	.9	1.0	1.0	.2					40	40		
88/ 87						.1	.4	.3	.9	.6	.9	.6						34	34		
86/ 85						1.6	1.1	.6	1.0	.9	.6	.3	.1					51	51		
84/ 83					.4	.8	1.1	1.0	.8	.8	.9	.1						50	50		
82/ 81				.2	.7	1.1	1.2	.8	1.0	.9	.9	.2	.1					61	61		
80/ 79			.1	.3	1.3	1.1	.3	.7	1.9	1.4	.7							70	70	2	
78/ 77			.1	1.1	1.2	1.1	.6	1.1	3.4	.6	.8							90	90	15	
76/ 75			.6	.9	2.2	1.7	.9	1.9	1.9	.9	.3							101	101	33	1
74/ 73			.9	.9	.7	1.2	1.7	2.1	1.6	.1								78	78	55	14
72/ 71		.2	1.2	.2	.9	.7	1.1	1.4	.6									53	53	63	31
70/ 69		.3	.7	.8	.9	1.1	1.0	1.0	.6	.1								58	58	88	43
68/ 67		.1	.4	.4	.3	1.1	.9	.3	.3	.1								37	37	78	51
66/ 65		.1	.3	.2	.9	1.1	.9	.7	.2									44	44	71	62
64/ 63		.6	.7	.8	.7	.6	.3	.2										34	34	90	52
62/ 61		.3	.1	.7	.7	.8	.2	.1										26	26	113	50
60/ 59			.5	1.3	.8	.3												27	27	84	59
58/ 57	.1		.4		.3	.3												11	11	76	42
56/ 55	.2		.3	.1	.1													7	7	81	61
54/ 53	.2		.1															3	3	51	82
52/ 51			.3															2	2	25	70
50/ 49																				12	91
48/ 47																				3	57
46/ 45																					40
44/ 43																					26
42/ 41																					28
40/ 39																					16
38/ 37																					7
36/ 35																					4
34/ 33																					3

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72?3 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JUN — MONTH

PAGE 2 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
T	T&L	2.2	6.[illegible]	7.9	11.7	14.7	12.1	12.9	14.2	7.2	6.1	2.8	1.1	.3				900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2771373	47834	53.1	15.962	900							
Dry Bulb	5199534	67962	75.5	8.688	900			78.6	59.8	29.5	1.3	90
Wet Bulb	3707698	57444	63.8	6.773	900			33.4	10.5			90
Dew Point	2904665	50499	56.1	8.897	900			14.0	1.5			90

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JUN — MONTH

PAGE 1

1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
94/ 93											.1							1	1		
92/ 91											.1							1	1		
9 / 89									.1		.1	.1	.1					4	4		
88/ 87							.2		.1	.3	.4		.1					11	11		
86/ 85						.6	.2	.1	.6	.7	.3	.2						24	24		
84/ 83					.1	.3	.4	.6	.8	.4	.3							27	27		
82/ 81				.2	.1	.3	.2	.1	.3	.9	.3							30	30		
8 / 79				.2	.4	1.2	1.7	.3	1.1	1.3	.9	.4						71	71		
77/ 77				.2	1.1	1.4	.2	.2	.6	1.3	.3	.2						53	53	3	
76/ 75				.1	1.7	1.6	1.8	1.1	2.3	1.4	.8							97	97	10	3
74/ 73				.2	2.2	1.1	1.4	1.8	2.2	.8	.1							96	96	32	3
72/ 71				.3	.4	.9	.9	1.1	1.3	.3	.1							53	53	45	15
7 / 69			.3	1.1	.9	.2	.8	1.8	1.2	.2								68	68	71	27
67/ 67	.2	.6	1.6	.7	1.3	1.1	2.1	.8	.2									76	76	64	45
66/ 65		.7	1.1	.7	1.4	1.4	.6	.3	.1									57	57	80	65
64/ 63			.3	1.1	.8	1.6	.8	.3	.1									49	49	88	80
62/ 61		.7	.8	1.6	1.3	.7	.4	.3										52	52	85	56
6 / 59		.6	.6	2.1	.8	1.7	.4	.2										47	47	88	49
57/ 57	.1	.2	.7	1.2	.7	.6	.2	.1										35	35	89	65
55/ 55	.1	.1	.4	.2	.2	.6												20	20	70	55
54/ 53		.2	.5	.2	.3	.3												15	15	64	66
52/ 51	.1	.2	.3	.1	.2	.1												10	10	37	81
51/ 49		.1	.1	.3														5	5	33	68
49/ 47				.1														1	1	22	90
46/ 45			.1															1	1	10	53
44/ 43																				8	37
42/ 41																				1	19
4 / 39																					19
37/ 37																					22
36/ 35																					9
34/ 33																					5
32/ 31																					7
3 / 29																					1

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) 80 54 — REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUN MONTH

 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.0	3.7	10.6	15.4	14.9	15.2	13.3	11.7	7.1	4.6	2.4	.3	.2					900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3330982	52788	58.7	16.159	900							
Dry Bulb	4536151	63423	70.5	8.616	900			60.8	41.5	13.7	.1	90
Wet Bulb	3600964	54948	61.1	7.169	900			22.5	4.5			90
Dew Point	2729587	48877	54.3	9.145	900		.9	9.3	.6			90

USAFETAC FORM 0-26-5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
JUN — MONTH

PAGE 1
2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥84/ 83									.1									1	1		
82/ 81						.2	.1		.2	.2								14	14		
80/ 79				.1	.2	.3	.1	.7	1.1									25	25		
78/ 77				.6	.8	1.7	.3	.6	.2	.1								32	32		
76/ 75				.3	.4	.9	.2	.6	.7	.2								42	42	2	
74/ 73			1.0	2.2	.6	1.7	1.0	1.2	.1									70	70	14	3
72/ 71			2.7	2.1	1.2	1.1	.9	.3	.1									75	75	25	11
70/ 69		.4	2.1	.7	1.7	2.1	.8	.3	.1									73	73	39	15
68/ 67	.1	.6	2.1	.9	1.4	1.7	.6											61	61	79	48
66/ 65		.7	2.7	1.7	1.8	1.7												72	72	67	44
64/ 63	.1	1.7	1.8	1.8	1.2	.7	.2	.1										66	66	54	45
62/ 61	.1	1.1	.7	3.0	1.1	.8	.2											80	80	92	57
60/ 59	.3	.8	1.3	2.1	1.4	.7	.2											66	66	92	69
58/ 57		.3	1.0	1.7	1.4	.2												50	50	79	53
56/ 55	.1	.9	2.2	1.1	1.2	.4	.2											55	55	80	68
54/ 53		1.3	1.9	1.2	.9	.3	.1											52	52	69	77
52/ 51	.3	.5	1.2	.3	.7	.3												31	31	73	91
50/ 49		.2	.7	.3	.3													14	14	46	74
48/ 47		.3	.4	.4														11	11	33	71
46/ 45		.2	.3	.1														6	6	26	50
44/ 43		.1	.1															4	4	21	30
42/ 41																				12	30
40/ 39																					18
38/ 37																					22
36/ 35																					11
34/ 33																					8
32/ 31																					4
30/ 29																					1
TOTAL	1.2	9.2	25.1	21.1	19.3	11.4	6.0	3.9	1.1	.4								900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.	9971441	62165	69.1	14.354	900
Dry Bulb	3839969	583C1	64.8	8.391	900
Wet Bulb	3133909	52679	58.5	7.498	900
Dew Point	2680979	48981	53.9	8.747	900

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb			39.3	18.9	2.3		90
Wet Bulb			15.9	1.6			90
Dew Point		.5	7.7	.3			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUN MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 99													.0					1	1		
98/ 97												.1	.0					2	2		
96/ 95									.0	.0		.1	.0					7	7		
94/ 93									.0	.0	.0	.1	.1	.0				14	14		
92/ 91								.1	.1	.1	.1	.0	.0	.0				27	27		
90/ 89							.1	.2	.1	.2	.2	.2	.2					76	75		
88/ 87						.1	.3	.2	.2	.2	.4	.1	.0					114	114		
86/ 85					.1	.4	.3	.3	.3	.3	.2	.1	.0					149	149		
84/ 83				.2	.2	.3	.4	.4	.4	.3	.2	.1						176	176		
82/ 81			.2	.2	.5	.5	.5	.4	.4	.4	.3	.1	.0					223	223		
80/ 79			.1	.3	.3	.7	.6	.7	.7	.5	.2							317	317	4	
78/ 77	.		.4	.3	1.0	.7	.8	.5	1.0	.3	.2							408	408	51	1
76/ 75		.1	.2	.9	1.3	1.7	1.7	1.4	.8	.3	.1							569	569	114	8
74/ 73		.2	1.1	1.6	.8	1.2	1.1	1.1	.5	.1	.1							548	549	252	69
72/ 71		.4	1.4	.8	.9	1.[illegible]	.[illegible]	.7	.3	.1								465	328	328	159
70/ 69	.0	.6	1.5	.9	1.4	1.2	.[illegible]	.5	.3	.1								538	458	255	
68/ 67	.1	.8	1.[illegible]	1.2	1.[illegible]	1.[illegible]	.7	.3	.1	.1								541	541	548	355
66/ 65	.	.8	1.2	1.4	1.5	1.1	.4	.2	.1									519	519	565	490
64/ 63	.1	1.1	1.4	1.5	1.[illegible]	.7	.3	.1	.[illegible]									449	449	673	366
62/ 61	.1	.9	1.2	1.[illegible]	1.4	.6	.2	.1										431	431	747	431
60/ 59	.1	1.1	1.[illegible]	1.6	.6	.4	.1	.[illegible]										387	387	793	527
58/ 57	.1	.9	1.5	1.[illegible]	.5	.2	.	.[illegible]										303	303	659	528
56/ 55	.0	.[illegible]	1.4	.[illegible]	.[illegible]	.2	.											277	277	536	592
54/ 53		.[illegible]	1.[illegible]	.5	.4	.1	.											224	224	499	603
52/ 51	.1	1.1	.[illegible]	.[illegible]	.[illegible]	.1												186	339	682	
50/ 49	.1	.[illegible]	.4	.[illegible]	.1													87	274	614	
48/ 47	.1	.[illegible]	.1	.3	.0													64	173	508	
46/ 45		.[illegible]	.[illegible]	.1														52	119	398	
44/ 43		.[illegible]	.1	.1														37	80	225	
42/ 41		.1																9	63	164	
40/ [illegible]																			14	124	
38/ 37																			1	100	
36/ 35																				57	
34/ 33																				30	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72534 CHICAGO-O'HARE IAP IL 74-83 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L. S. T.)

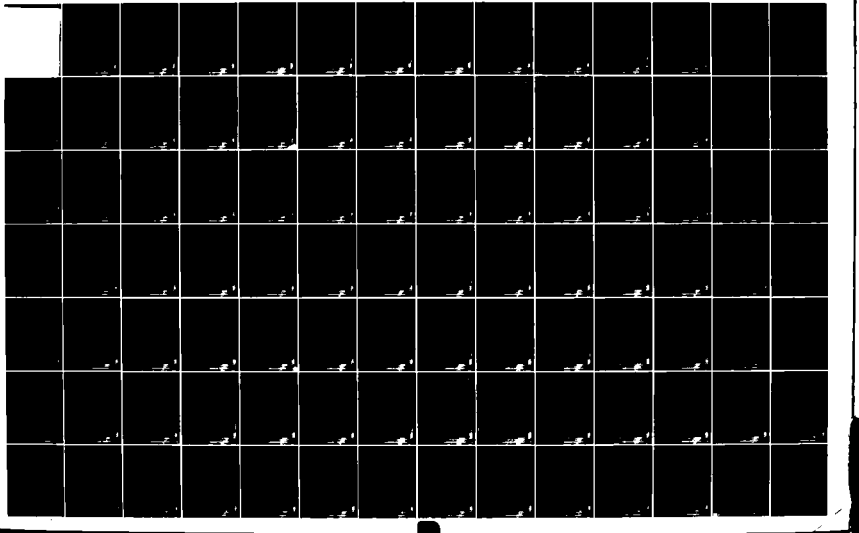
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible]																						17
[illegible]																						2
TOTAL	.711	.512	.916	.214	.612	[illegible]	[illegible]	7.0	5.2	2.8	1.[illegible]	.8	.3	.[illegible]						72[illegible]		72[illegible]	72[illegible]

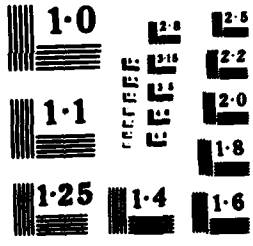
Element (X)	Σx_i^2	Σx_i	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	327238[illegible]	470881	65.3	16.897	7200							
Dry Bulb	344015[illegible]	492496	68.4	9.957	7200			417.5	263.1	95.6	2.4	720
Wet Bulb	26927406	436870	60.7	7.636	7200			175.5	42.1			72[illegible]
Dew Point	22576182	398338	55.3	8.686	7200		1.9	88.2	7.3			72[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A149 205 O'HARE INTERNATIONAL AIRPORT CHICAGO REVISED UNIFORM SUMMARY OF SURFACE W..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84 5/6

UNCLASSIFIED USAFETAC/DS-84/033 SBI AD-E850 751 F/G 4/2 NL




1·0
1·1
1·25
1·4
1·6
2·0
2·2
2·5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUL MONTH

PAGE 1 | 0000-0200 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]						.1												1	1		
[illegible]					.4	.2												6	6		
[illegible]				.1	.8	.1	.2											11	11		
[illegible]			.1	.3	.3	.6												13	13		
[illegible]			.3	.[illegible]	1.[illegible]	1.2	.4											40	40	2	
78/ 77		.1	1.[illegible]	1.8	1.8	.3	.2											55	55	8	2
76/ 75		.4	2.3	2.	1.8	1.2												77	77	18	5
74/ 73	.1	1.4	3.7	2.7	1.4	.4												90	90	59	29
72/ 71	.2	1.4	2.3	2.2	.9	.3												67	67	83	45
70/ 69	.1	2.3	5.7	2.5	1.1	.4												112	112	82	72
68/ 67	.2	2.8	4.3	1.6	.3	.2												89	89	106	91
66/ 65	.5	2.8	2.3	2.5	.1													76	76	121	101
64/ 63	.2	2.5	3.9	1.9	.3	.1												82	82	105	108
62/ 61		1.[illegible]	2.5	1.5	.4													50	50	57	83
60/ 59		1.9	2.9	1.	.6		.1											61	61	80	78
58/ 57		1.9	1.8	.8	.2	.1												85	85	62	80
56/ 55		.3	1.3	.6		.1												22	22	55	67
54/ 53		.3	.3	.2	.1													9	9	35	52
52/ 51		.3	.3	.1	.2													9	9	24	33
50/ 49	.1	.1		.3														5	5	8	25
48/ 47	.1	.8	.1		.1													10	10	11	22
46/ 45																				6	17
44/ 43																				5	7
42/ 41																				1	1
40/ 39																					2
38/ 37																					1
36/ 35																					1
34/ 33																					2
TOTAL	1.[illegible]	2[illegible].3	36.5	22.8	12.3	5.6	1.[illegible]											930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5885175	73127	78.6	10.118	930							
Dry Bulb	4376573	63411	68.2	7.546	930			56.1	29.3	5.2		93
Wet Bulb	3833159	59359	63.8	6.918	930			35.8	8.7			93
Dew Point	3530375	56869	61.1	7.588	930		.2	28.8	3.6			93

FORM AA 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72383C (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) (MONTH)

PAGE 1 0300-0500 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
84/ 83				.3														3	3		
82/ 81			.3	.6	.1	.1	.3											14	14		
80/ 79			.6	.9	.6	.2	.3											25	25		
78/ 77			2.4	1.1	1.3	.1	.5											50	50	8	1
76/ 75		.5	1.5	1.8	1.0	.7												48	48	12	7
74/ 73	.2	.8	3.9	2.9	1.5	.4												90	90	85	22
72/ 71		2.8	3.5	1.8	.5													81	81	49	43
70/ 69		2.7	4.6	2.2	.8													95	95	109	87
68/ 67	.5	1.6	5.7	2.0	.6	.3												101	101	91	97
66/ 65	.8	3.2	3.9	1.8	.1													90	90	107	106
64/ 63		2.6	3.3	1.4	.1													69	69	120	74
62/ 61	.1	3.7	3.0	2.1	.1													83	83	70	109
60/ 59		1.9	2.6	.8	.2													51	51	88	90
58/ 57		3.0	1.8	.2														47	47	62	81
56/ 55		1.1	1.4	.2	.3													28	28	69	76
54/ 53		1.7	1.5	.1														31	31	30	85
52/ 51		.2	.4															6	6	28	49
50/ 49				.1														1	1	18	30
48/ 47		.2		.2														7	7	6	19
46/ 45	.1	.3	.3	.1														8	8	10	15
44/ 43				.2														2	2	3	7
42/ 41																				2	1
40/ 39																				1	3
38/ 37																				2	5
36/ 35																					3
TOTAL	1.7	26.7	40.8	20.9	7.3	1.5	1.2											930	930		930
																				930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6169218	76271	80.9	9.107	930							
Dry Bulb	8205705	62153	66.8	7.478	930			50.7	23.0	2.7		93
Wet Bulb	3740256	58626	63.0	6.925	930			31.9	6.5			93
Dew Point	3477775	56857	60.7	7.371	930		.3	21.7	3.0			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72853 CHICAGO-O'HARE IAP IL 74-83
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥88/ 97						.1	.1											2	2		
86/ 85				.1	.2	.1	.2											9	9		
84/ 83				.5	.6	.2	.1											14	14		
82/ 81			.1	1.2	1.3	.6	.2											38	38		
80/ 79		.1	1.1	1.5	2.3	.9	.9	.1										62	62	1	
78/ 77		.3	1.5	2.8	2.3	1.1	.8	.1										82	82	14	8
76/ 75	.1	.2	2.9	4.5	1.9	1.8	.4	.1										111	111	39	9
74/ 73		.0	3.5	4.2	2.3	1.2	.6	.1										119	119	67	82
72/ 71	.1	1.0	3.8	3.2	1.8	1.1	.5	.1										108	108	100	44
70/ 69		1.2	4.4	2.5	1.6	.8	.5											102	102	118	96
68/ 67	.1	1.0	3.4	1.8	2.6	.4	.1	.1										98	98	123	113
66/ 65	.1	1.4	3.1	1.8	.8													68	68	126	119
64/ 63		1.5	1.6	1.8	.6	.1												54	54	98	84
62/ 61		1.1	1.0	1.1	.1													29	29	84	92
60/ 59		.8	1.1	.5														21	21	72	105
58/ 57		.2	.3	.1														6	6	86	68
56/ 55		.1	.2	.2														5	5	20	64
54/ 53		.3	.1															4	4	15	39
52/ 51				.1														1	1	3	27
50/ 49			.1															1	1	2	16
48/ 47																				1	5
46/ 45																				1	2
44/ 43																					1
42/ 41																					1
40/ 39																					1
TOTAL	.1	11.0	28.3	28.1	18.4	8.6	4.5	.6										930	930	930	930

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5315186	69592	74.8	10.761	930							
Dry Bulb	4604039	66597	71.6	6.142	930			74.1	43.3	9.2		93
Wet Bulb	4048369	61519	66.1	5.582	930			46.2	12.1			93
Dew Point	3728698	58588	63.0	6.377	930			30.8	5.5			93

FORM AS-4 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-3?0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUL MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
?a/ 95									.1	.1								2	?		
94/ 91							.1		.5	.2								6	6		
9?/ 9.						.?	.1	.9	.8	.5								23	23		
8 / 89						1.?	1.4	.7	.4									34	34		
88/ 87					.4	1.5	1.8	.8	.1	.4	.?							49	49		
86/ 85					.?	2.4	1.5	1.4	.6	.4	.1							67	67		
84/ 83			.?	.?	1.3	?.3	1.6	1.9	.8	.2								84	84		
8?/ 8?			.?	.?	2.2	1.2	2.4	2.4	1.2	.1								97	97	8	
8?/ 7?		.1	.?	1.2	2.5	3.1	2.2	2.3	1.0	.3								123	122	25	
7?/ 77		.2	.?	1.?	3.2	2.?	2.3	1.8	.6	.2	.1							122	122	69	11
7?/ 75			1.5	1.?	2.6	1.6	1.1	1.9	.3	.2	.1							96	96	74	36
74/ 73		.?	1.9	1.2	1.3	1.?	1.6	.9	.1	.1								76	78	107	49
7?/ 71		.?	1.2	.9	.9	1.3	1.?	.1	.1									57	57	178	78
7?/ 69		.?	1.?	.5	.3	1.?	.2											48	48	125	1.9
6?/ 67		.2	1.1	.9	.3	.?	.2											25	25	129	87
6?/ 65		.3	1.?	.3			.1											16	16	95	107
6?/ 63		.?	.2		.2													7	7	77	71
62/ 61																				66	93
6 / 59																				36	81
5?/ 57																				11	55
55/ 55																				3	58
54/ 53																				1	42
52/ 51																					31
5 / 49																					9
48/ 47																					1
46/ 45																					6
44/ 43																					2
42/ 41																					8
TOTAL		2.6	9.4	9.1	16.5	19.7	18.2	14.7	6.5	2.9	.5							930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3671758	57150	61.5	3.115	930							
Dry Bulb	5825726	73174	78.9	6.290	930			90.7	78.1	82.9	.8	93
Wet Bulb	4487458	64406	69.3	5.401	930			69.1	27.9	1.6		93
Dew Point	3655151	59523	64.0	6.997	930			37.0	8.6			93

FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 CHICAGO-O'HARE IAP IL 74-83 JUNE

STATION STATION NAME YEARS MONTH

PAGE 1 1200-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
100/ 95										.1	.2							3	3		
98/ 97								.1		.2	.8	.2						9	9		
96/ 95								.4	.5	.9	.7							20	20		
94/ 93							.5	.6	1.0	.5	.3							29	29		
92/ 91						.6	.6	1.1	1.5	1.6	.5	.1						57	57		
90/ 89						.7	1.2	3.1	.8	1.2	1.3	.1						78	78		
88/ 87					.1	1.4	1.6	2.9	1.1	1.7	1.6	.3						89	89		
86/ 85				.2	.3	1.2	1.5	1.6	2.2	.6	.4							72	72		
84/ 83				.3	.9	1.8	1.1	1.9	1.8	1.1	.1							90	87	4	
82/ 81		.2	.2	1.0	1.5	2.5	1.7	2.4	3.7	.4								124	124	19	
80/ 79			.2	1.	2.0	2.3	1.6	1.7	1.5	.4	.3	.1						104	104	32	6
78/ 77			.2	1.2	1.4	1.8	2.	1.6	.9	.2	.2							88	88	81	18
76/ 75			.6	.	.8	1.2	1.3	1.4	1.1	.3								69	69	98	25
74/ 73		.1	.3	.3	.5	.2	.2	.2										36	36	113	88
72/ 71		.2	.2	.3	.2	.3	.2	.4										35	35	115	79
70/ 69		.2	.2	.4	.1	.3	.1	.1	.1									20	20	110	119
68/ 67		.1	.2	.5	.2													11	11	120	97
66/ 65		.1		.2	.2													5	5	88	76
64/ 63			.2	.1	.1													4	4	67	71
62/ 61				.1														1	1	36	85
60/ 59																				11	81
58/ 57																				1	70
56/ 55																				2	61
54/ 53																					33
52/ 51																					23
50/ 49																					28
48/ 47																					8
46/ 45																					3
44/ 43																					3
42/ 41																					8
TOTAL		.9	3.8	6.9	9.7	13.8	15.5	20.3	15.9	8.6	5.2	.9						930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2927777	5,833	58.7	2.677	930							
Dry Bulb	6355878	76618	82.4	6.859	930			92.0	85.8	61.7	6.1	93
Wet Bulb	4621141	65353	70.3	5.554	930			69.2	38.7	3.8		93
Dew Point	3839003	59365	63.8	7.302	930			38.8	9.3	.1		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7353 3 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) (MONTH)

PAGE 1 1500-1700 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
102/101											.1							1	1		
100/ 99									.1	.2	.3	.2						8	8		
98/ 97									.1		.4	.1						6	6		
96/ 95								.2	.4	.6	.5		.1					19	19		
94/ 93							.5	.5	1.4	1.0	1.0	.1						42	42		
92/ 91					.1		.3	1.0	1.2	1.1	.5	.1	.1					41	41		
90/ 89						.3	.6	1.3	1.8	1.8	1.8							64	64		
88/ 87						.6	1.6	2.9	1.3	1.4	.6							79	79		
86/ 85				.2	.9	1.7	1.0	2.3	2.0	1.2	.6							92	92		
84/ 83				.2	.4	1.6	1.0	1.9	2.4	.8	.3							80	80	5	
82/ 81				1.2	2.3	1.6	2.0	2.2	3.3	1.2								128	128	13	
80/ 79			.4	.5	1.2	1.7	1.1	2.2	1.6	.8	.2							90	90	26	8
78/ 77			.1	1.3	1.2	2.0	1.3	1.5	.8	.2	.1							89	89	63	8
76/ 75			.3	.8	.9	1.2	1.5	1.8	1.1	.1	.2							72	72	98	23
74/ 73		.1	.3	.4	.4	1.1	1.0	1.1		.2	.1							44	44	132	50
72/ 71		.1	.4	.2	.1	.2	.6	1.0	.1									27	27	111	68
70/ 69		.1	.6	.6		.2		.2										17	17	101	101
68/ 67		.4	.3	.4	.3	.1		.2										17	17	107	92
66/ 65		.1	.1	.5														7	7	107	91
64/ 63		.3		.1	.1													5	5	70	81
62/ 61					.2													2	2	41	70
60/ 59																				36	88
58/ 57																				12	69
56/ 55																				7	66
54/ 53																				3	49
52/ 51																					20
50/ 49																					26
48/ 47																					16
46/ 45																					5
44/ 43																					5
42/ 41																					2
40/ 39																					3
38/ 37																					1

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | JUL MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL		1.2	2.2	6.9	7.8	12.5	13.3	2[illegible].3	17.6	[illegible].5	6.1	.5	.2					930	93[illegible]	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2[illegible]7790	99666	53.9	2.938	930							
Dry Bulb	6393222	76462	82.2	7.092	930			91.6	85.5	60.2	7.6	93
Wet Bulb	4554810	64870	69.8	5.678	930			65.2	33.3	2.9		93
Dew Point	3740363	58565	63.0	7.506	930			38.2	8.5	.2		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JULY (MONTH)

PAGE 1 1800-2000 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
100/ 97											.1								1	1		
96/ 95									.1	.2									3	3		
94/ 93								.5	.2	.1	.1								9	9		
92/ 91						.1	.2	.2	.2	.1									8	8		
90/ 89						.2	1.1	.1	1.0										22	22		
88/ 87					.3	.8	.5	1.3	1.0	.2	.1								38	38		
86/ 85					.4	1.3	1.1	1.8	.6	.4									53	53		
84/ 83				.1	1.3	1.7	1.3	1.8	.8	.3									68	68		
82/ 81			.1	1.0	1.8	1.6	2.5	1.6	1.0	.3	.1								93	93	2	
80/ 79				1.2	2.5	2.3	1.7	1.8	.9	.4									97	97	17	
78/ 77		.2	1.1	2.0	1.8	2.3	2.2	1.5	.8	.2									113	113	30	7
76/ 75	.1	.3	1.1	1.2	2.4	2.6	1.9	1.8	1.0	.3									118	118	53	18
74/ 73		.4	.6	2.2	1.1	2.3	1.6	.3	.3	.1									85	85	117	36
72/ 71		.6	.8	1.0	1.7	1.6	1.2	1.1	.2	.3									77	77	94	69
70/ 69	.1	.3	1.2	.6	.8	1.4	.9	.5	.1										55	55	114	83
68/ 67		.3	.1	.5	1.0	.9	.8	.3	.1										37	37	117	78
66/ 65			.3	.4	.5	.3	.1	.4											24	24	95	98
64/ 63		.5	.2	.6	.1	.2	.2												18	18	77	83
62/ 61			.1	.2	.2		.2	.1											8	8	82	73
60/ 59			.1	.1	.2														4	4	55	81
58/ 57					.1														1	1	32	62
56/ 55		.1			.1														2	2	19	65
54/ 53																					16	64
52/ 51																					5	30
50/ 49																					5	24
48/ 47																						21
46/ 45																						17
44/ 43																						7
42/ 41																						5
40/ 39																						9
38/ 37																						2
36/ 35																						2
TOTAL	.2	3.1	5.7	11.7	16.3	19.1	17.6	14.5	6.2	3.1	.4								930	937		930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3516365	55803	60.0	13.872	930							
Dry Bulb	5543554	71782	77.2	6.808	930			87.3	70.9	39.8	1.3	93
Wet Bulb	4258827	62675	67.4	6.138	930			54.4	21.9	.9		93
Dew Point	3598968	57339	61.6	8.060	930			28.7	5.7			93

FORM 0-26-5 (OL A) AS 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-3 C (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUL (MONTH)

 2100-2300 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
94/ 93						.1												1	1		
92/ 91								.1										1	1		
90/ 89						.2	.2											4	4		
88/ 87					.2	.5	.1	.2										10	10		
86/ 85					.2	.3		.1										7	7		
84/ 83					.6	.5	.3	.3										17	17	1	
82/ 81			.3	.2	1.2	.9	.4	.1										34	34		1
80/ 79			.6	1.4	1.4	1.6	.5		.1									52	52	6	
78/ 77		.2	1.2	3.1	1.8	1.4	1.1	.2										85	85	16	2
76/ 75	.1	.5	2.7	3.8	3.1	1.7	.5	.2										119	119	27	12
74/ 73		1.1	1.3	4.	2.9	1.5	.5	.2										107	107	77	33
72/ 71		1.4	1.7	3.3	1.8	1.1	.5											92	92	91	55
70/ 69		1.4	3.2	1.5	1.3	1.3	.1	.1										88	88	86	76
68/ 67	.1	.6	2.2	2.5	1.7	.5	.4											84	84	127	89
66/ 65	.2	.7	2.	3.2	1.4	.5	.1	.1										76	76	113	94
64/ 63	.4	.5	1.7	1.8	.7	.8	.2											55	55	91	112
62/ 61		.3	.2	1.5	.9	.5	.1	.1										46	46	73	69
60/ 59		.2	.1	.5		.2	.2											20	20	75	82
58/ 57		.3	.4	.4	.2	.4	.1											18	19	55	74
56/ 55			.1	.1		.1												5	5	35	65
54/ 53		.2		.2		.1												5	5	23	51
52/ 51		.1			.1	.1												3	3	13	37
50/ 49		.1																1	1	11	22
48/ 47																				6	13
46/ 45																				2	17
44/ 43																				1	6
42/ 41																				1	4
40/ 39																					5
38/ 37																					5
36/ 35																					3
34/ 33																					2
32/ 31																					1
TOTAL	.4	7.8	22.7	27.5	19.9	14.6	5.5	1.8	.1									930	93		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8916721	66659	71.7	1.777	930							
Dry Bulb	8785677	66417	71.4	6.871	930			70.1	43.7	10.0	.1	93
Wet Bulb	6041408	60698	65.3	6.550	930			43.1	12.7	.2		93
Dew Point	3574990	57199	61.5	7.876	930		.1	26.8	8.8	.1		93

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) JUL (MONTH)

PAGE 1 ALL (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
102/101											.0							1	1		
100/ 99									.0	.0	.1	.0						11	11		
98/ 97								.0	.0	.0	.1	.0						16	16		
96/ 95								.1	.1	.2	.1		.0					44	44		
94/ 93						.1	.2	.2	.4	.2	.2	.0						87	87		
92/ 91					.1	.1	.2	.4	.5	.4	.1	.0	.0					135	135		
90/ 89						.3	.5	.7	.5	.4	.3	.0						198	198		
88/ 87					.1	.1	.6	.8	1.0	.4	.2	.0						268	268		
86/ 85				.1	.4	.6	.7	.9	.7	.3	.1							306	306		
84/ 83			.0	.3	.7	1.2	.7	.9	.7	.3	.1							353	353	16	
82/ 81		.0	.0	.6	1.3	1.1	1.2	1.1	1.1	.3	.0							537	537	38	1
80/ 79		.0	.2	1.0	1.7	1.7	1.1	1.0	.6	.2	.1	.0						593	593	109	10
78/ 77		.0	1.1	2.0	1.8	1.3	1.4	.8	.4	.1	.1							684	684	289	53
76/ 75	.0	.3	1.2	1.9	1.8	1.4	.9	.9	.4	.1	.0							710	710	415	131
74/ 73	.0	.6	1.9	2.2	1.4	1.2	.8	.4	.1	.1	.0							649	649	717	305
72/ 71	.0	1.0	1.8	1.6	1.1	.7	.6	.3	.1	.0								544	544	751	477
70/ 69	.0	1.1	2.0	1.4	.8	.7	.3	.1	.0									533	533	845	703
68/ 67	.1	1.0	2.3	1.2	.8	.4	.2	.1	.0									462	462	920	788
66/ 65	.0	1.1	1.6	1.4	.4	.1	.0	.1										362	362	852	792
64/ 63	.0	1.0	1.4	1.0	.3	.1	.0											294	294	705	688
62/ 61	.0	.9	1.1	.7	.2	.1	.0	.0										219	219	509	674
60/ 59		.6	.9	.4	.1	.0	.0											157	157	875	682
58/ 57		.7	.5	.2	.1	.1	.0											117	117	294	555
56/ 55		.3	.4	.1	.1	.0												62	62	210	522
54/ 53		.3	.2	.1	.0	.0												49	49	123	375
52/ 51		.1	.1	.0	.0	.0												19	19	73	250
50/ 49	.0	.0	.0	.1														8	3	44	176
48/ 47	.0	.2	.0	.0	.0													17	17	28	105
46/ 45	.0	.0	.0	.0														8	8	21	84
44/ 43				.0														2	2	9	38
42/ 41																				4	22
40/ 39																				1	23
38/ 37																				2	20
36/ 35																					5

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7352.0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | ALL MONTH

PAGE 2 | ALL HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOT D.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
30/ 33																					3
34/ 37																					6
TOTAL	.6	9.7	19.6	16.7	13.4	11.9	9.6	9.0	6.0	3.1	1.5	.2	.0					7[illegible]		7440	7440

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	35160547	498101	66.9	15.612	7440							
Dry Bulb	42270304	556604	74.8	8.977	7440			612.6	458.7	226.7	15.9	744
Wet Bulb	33545458	497506	66.9	6.639	7440			409.4	157.8	8.5		744
Dew Point	29391319	463895	62.4	7.985	7440		.6	242.8	50.0	.4		744

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725340 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | APR MONTH

PAGE 1 | 0000-2259 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≤ / 5					.1													2	2		
/ 10				.1	.1													9	9		
/ 72			.4	.1	.6	.7												22	27		
7 / 77			1.1	.1	.5	.1	.4											28	28		
/ 82		.6	1.7	2.6	1.5	.7	.1											66	66	10	
77 / 77		.3	.4	4.3	.4	.1												85	89	32	14
/ 87	.2	2.2	4.5	1.3	.9	1.2												102	101	60	34
/ 92	.4	3.5	5.5	2.1	.2													115	115	114	68
/ 97	.1	2.5	5.7	1.2	.5	.2												110	111	134	124
92 / 92	.1	2.7	3.2	1.4	1.1	.4												96	96	121	109
87 / 87	.2	4.3	2.5	1.7	.2	.1												94	94	107	116
/ 82	.2	2.2	2.5	.4														51	51	95	81
/ 77		2.2	2.2	.3	.1													56	56	74	91
72 / 77	.1	1.1	2.1	.3														35	35	75	77
67 / 72		1.2	1.1	.2														2	22	35	59
/ 67		.2	1.4															22	22	32	56
62 / 62	.1	.6	1.1															17	17	23	36
57 / 62		.1	.2															7	7	21	22
52 / 57		.1	.1															1	1	11	26
47 / 52		.1																6	6	2	17
42 / 47		.1																1	1	6	1
37 / 42																				1	5
32 / 37																					1
TOTAL	1.3	32.1	28.7	18.7	7.5	2.9	.6											930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	626.[illegible]2	75796	81.5	9.879	930							
Dry Bulb	923.[illegible]1	62387	67.1	7.022	930			53.3	21.4	2.0		93
Wet Bulb	3775025	58951	63.4	6.415	930			34.7	4.2			93
Dew Point	3517738	56898	61.1	6.807	930			23.6	1.1			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 X 7 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | ANN MONTH

PAGE 1 | 0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 7		.1		1.1		.2												18	14		
7 / 77		.2	.2	.2		.2												17	17	1	
7 / 7		.7	1.	1.4	.5													35	3	3	2
74 / 73		1.1	1.2	3.	.8	.2												92	92	36	5
/ 71		1.2	4.1	2.6	.7	.4												86	86	35	36
/ 69	.6	4.6	5.1	.2	.5													107	107	113	65
/ 67	.5	7.7	5.7	1.2	.6	.2												113	113	113	109
6 / 65	.4	3.5	2.3	1.	.2	.2												79	79	105	98
/ 63	.3	4.5	2.2	.2	.1													79	79	97	97
/ 61	.3	3.7	2.0	1.1	.1													75	75	79	98
/ 59	.2	4.8	2.2	.6	.1													79	79	95	75
/ 57	.1	2.	1.															48	48	76	93
5 / 55	.3	1.3	1.2															27	27	57	70
/ 53		1.2	.6															17	17	42	58
/ 51	.2	1.2	1.4															31	31	24	48
5 / 8		.2	.1															11	11	22	25
4 / 47		.2																8	8	15	26
4 / 8		.2	.1															4	4	9	17
44 / 43		.4																4	4	4	7
4 / 41																				4	4
3 / 3																					5
TOTAL	1.	37.	23.	8.	5.2	1.2	1.5												93		93
																		930		930	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8622647	78477	84.9	8.588	930							
Dry Bulb	4037231	6909	65.5	7.194	930			46.8	16.2	.9		93
Wet Bulb	2662981	58039	62.4	6.697	930			30.1	4.9			93
Dew Point	3495852	56234	60.5	7.008	930			21.7	.7			93

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE IAP IL — STATION / STATION NAME
74-83 — YEARS
AUG — MONTH

PAGE 1 — 0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
94/ 92				.1	.2	.1	.1											5	5		
92/ 91				.1	.1	.1												3	3		
90/ 89			.4	1.1	.4	.2												10	27		
88/ 87			.4	1.9	1.7	.9	.1											50	50	2	
86/ 85		.3	3.4	3.1	2.1	.9	.3	.1										94	94	7	2
84/ 83		1.2	2.1	4.1	1.6	.6	.1											127	127	35	8
82/ 81		2.4	5.2	2.1	.9	1.1	.1											115	115	83	38
80/ 79		3.3	5.7	1.9	1.1													112	112	183	68
78/ 77	1.	2.5	4.1	2.3	1.4	.6												112	112	144	140
76/ 75	.3	2.5	2.7	1.9	.8	.1	.1											77	77	115	122
74/ 73	.1	2.1	2.8	.9	.2	.2												58	58	99	95
72/ 71	.1	2.6	2.3	1.4	.2													61	61	87	99
70/ 69		1.6	2.1	.5	.2													41	41	72	83
68/ 67		1.1	.9	.2														22	22	62	66
66/ 65	.1	.6	.5	.1														11	11	36	72
64/ 63		.3	.4															11	11	21	48
62/ 61		.1	.1	.1														3	3	10	27
60/ 59		.2	.2															4	4	8	18
58/ 57		.1																1	1	4	12
56/ 55		.1																1	1	2	7
54/ 53																					4
52/ 51																					1
TOTAL	1.	22.	37.	22.	11.	4.7	.8	.1										930		930	
																		930			

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5781217	73091	79.6	20.785	930							
Dry Bulb	6446359	64869	68.9	6.187	930			63.8	29.9	1.6		93
Wet Bulb	5921375	60163	64.7	5.620	930			41.4	4.9			93
Dew Point	5631172	57826	62.2	6.199	930			27.6	1.0			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72530 CHICAGO-O'HARE IAP IL 79-83 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 9									.1		.1							2	2		
92/ 91								.1	.1	.1	.1							4	4		
9 / 89						.2	.2	.3	.4	.1	.1							16	16		
88/ 87					.1	.3	.5	.4	.4									18	18		
86/ 85					.2	.2	.5	.8	.2	.2	.1							28	28		
84/ 83				.1	.4	.8	1.0	1.3	.2	.3								46	46		
82/ 81				.1	1.0	1.2	1.6	1.1	.5	.1								68	68		
8 / 79			.1	1.2	.4	1.3	1.5	2..	1.4	.8	.1							130	130	5	
78/ 77			.2	.2	3.2	2.2	2.4	1.4	.4	.2	.1							128	128	19	
76/ 75		.1	.2	.3	.2	.2	.2	.2	.3									151	151	25	8
74/ 73		.2	.2	.2	.2	.2	1.0	1.2	.2									134	134	104	14
72/ 71		.4	1.0	.5	.9	.9	1.1	.9	.1									60	60	182	53
7 / 69	.1	1.0	1.2	.4	1.0	.9	1..	.5										61	61	169	116
68/ 67		.5	.4	1..	.5	.4	.2											33	33	106	152
66/ 65		.4	.5	.2	.4	.2												24	24	105	95
64/ 63		.4	.5	.2	.3	.2												16	16	88	85
62/ 61		.2	.2	.1		.1	.1											9	9	75	83
6 / 59					.1													1	1	98	72
58/ 57					.1													1	1	30	60
56/ 55																				5	56
54/ 53																				3	39
52/ 51																				1	42
5 / 49																				1	29
48/ 47																					22
46/ 45																					5
44/ 43																					8
42/ 41																					2
TOTAL	.1	.5	1.1	.5	3.3	1.6	2.2	1.9	1.5	2.2	1.1	.9	3.9	1.2	.5				93		930
																		970		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3971929	59481	63.9	13.577	930							
Dry Bulb	5431[illegible].2	70876	76.2	5.710	930			87.9	72.5	26.2	.2	93
Wet Bulb	4271231	62848	67.6	5.075	930			57.8	15.3	.2		93
Dew Point	3848847	58197	62.6	6.806	930			38.3	2.2			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253.0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | AUG MONTH

PAGE 1 | 1200-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
100/ 99												.1							1	1		
98/ 97											.2								2	2		
96/ 95										.1		.1	.1	.1					4	4		
94/ 93							.1	.3	.1	.8	.3	.2							17	17		
92/ 91							.5	.5	.3	.5	.2	.1							23	23		
90/ 89						.3	.5	1.0	.6	.9	.3	.1							36	36		
88/ 87					.1	.1	.6	1.1	1.2	.8	.9								44	44		
86/ 85					.2	1.2	2.4	2.5	1.6	1.2	.3								87	87		
84/ 83				.1	.8	2.3	1.7	2.3	1.6	.9	.2	.2							95	95		
82/ 81				.4	2.9	2.8	1.6	1.6	1.1	.6	.2								103	103	1	
80/ 79			.2	1.8	2.	2.2	2.6	1.9	2.0	.9	.2								136	136	18	
78/ 77			.5	1.2	1.1	1.8	2.2	3.2	.2	.3	.1								110	110	27	2
76/ 75			1.6	1.4	1.4	1.4	.6	2.7	.3	.1									90	90	47	14
74/ 73		.1	1.3	1.1	1.4	1.1	1.2	1.1	.6										76	76	166	20
72/ 71		.2	.5	1.	.5	.4	.5	1.4	.2										45	45	117	53
70/ 69		.2	.4	.1	.2	.4	.2	.2											23	23	133	127
68/ 67		.2	1.	.1	.2	.2	.3												20	20	178	186
66/ 65		.2	.4		.2	.1		.1											12	12	92	89
64/ 63			.1	.2			.1	.1											5	5	98	88
62/ 61		.1																	1	1	52	62
60/ 59																					38	74
58/ 57																					27	61
56/ 55																					3	64
54/ 53																					1	50
52/ 51																					2	34
50/ 49																						28
48/ 47																						28
46/ 45																						9
44/ 43																						3
42/ 41																						2
38/ 37																						1
TOTAL		.1	.1	.3	.8	1.3	2.2	5.7	6.7	9.8	10.6	7.0	3.0	.9	.1	.1			930	930		930
																			930		930	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3133722	529869	56.8	13.689	930							
Dry Bulb	599671.4	79266	79.9	6.270	930			91.2	82.8	38.6	2.9	93
Wet Bulb	4405*.39	63821	68.6	5.223	930			61.7	25.9	.9		93
Dew Point	3.59679	57923	62.3	7.198	930			32.2	3.4			93

USAFETAC FORM 0-26-3 (OL A) 84 — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible]3 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | AUG MONTH

PAGE 1 | 1500-1700 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible] / 99												.1							1	1		
[illegible] / 97											.1		.2	.1	.1				5	5		
96 / 94										.?		.1	.1						4	4		
94 / 92								.5	.2	.5	.2	.1							15	15		
[illegible] / 91							.[illegible]	.5	.2	.6	.5	.1							27	27		
[illegible] / 89						.1	1.2	.9	.8	.6	.2	.3	.2						37	37		
88 / 87						.5	.	1.4	.5	.4	.[illegible]	.1							40	4[illegible]		
86 / 85					.[illegible]	1.1	1.[illegible]	2.2	1.7	.9	.2								69	69		
84 / [illegible]				.	.3	1.7	2.6	1.7	1.5	.9	.5								87	87		
[illegible] / 81				.[illegible]	1.3	2.[illegible]	2.0	2.5	.9	.5	.3	.2							145	145	1	
[illegible] / 79				.	2.5	2.6	1.	1.5	.1	.9	.7								99	99	15	
78 / 77			.[illegible]	2.4	2.2	2.[illegible]	2.[illegible]	3.8	.6	.3									136	136	39	
76 / 75	.[illegible]	1.[illegible]	1.4	2.2	2.2	1.	2.[illegible]	.4	.1										102	102	38	16
74 / 73	.1	1.6	1.3	.9	.6	1.4	1.4	.2											63	69	125	28
72 / 71	.[illegible]	1.2	1.	.6	1.	1.3	1.[illegible]	.5											62	62	141	51
70 / 69	.2	.[illegible]	.6	.4	.5	.6	.9	.1											37	37	124	90
68 / 67	.3	.4	.6	.2	.1	.3													19	19	119	123
66 / 65	.[illegible]	.[illegible]		.2	.2	.3													13	13	103	95
64 / 63				.2		.2													4	4	85	88
[illegible] / 61																					59	79
[illegible] / 59																					44	81
58 / 57																					16	60
56 / 55																					18	60
54 / 53																					1	44
52 / 51																					2	41
[illegible] / 49																						27
48 / 47																						27
46 / 45																						11
44 / 43																						10
[illegible] / 41																						1
36 / 37																						1
TOTAL	1.[illegible]	[illegible].3	8.9	11.9	15.1	17.4	19.8	9.8	5.9	3.0	1.1	.5	.1	.1						93[illegible]		930
																			930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.	31632[illegible]7	52653	56.6	14.008	930							
Dry Bulb	5[illegible]7111	73875	79.4	6.964	930			91.3	79.5	33.1	2.5	93
Wet Bulb	4367968	63548	68.3	5.366	930			60.2	21.8	.7		93
Dew Point	3621969	57617	62.0	7.999	930			30.8	4.3			93

USAFETAC FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72533 — STATION — CHICAGO-O'HARE IAP IL — STATION NAME — 74-83 — YEARS — APR — MONTH

PAGE 1 — ~~1830-2000~~ HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
99/ 73									.1									1	1		
97/ 93							.1	.1				.1						3	3		
95/ 89						.1	.1	.3	.2	.1	.1							16	16		
93/ 87						.5	1.0	.4	.2	.1								24	24		
91/ 83					.5	.2	.3	.1		.1								17	17		
89/ 81				.4	.6	.2	.5	.3	.3	.2								29	29		
87/ 79				.1	.6	1.2	1.7	.8	.3									48	49		
85/ 75			.1	1.2	1.9	2.3	.6	.9	.5									12	12	6	
83/ 77			.3	3.0	3.0	2.1	1.0	.4	.1	.4								174	174	31	2
81/ 71		.1	1.1	3.9	4.5	2.7	1.5	.5	.3									144	144	30	11
79/ 73		.2	2.1	3.8	2.9	2.7	1.5	.3	.3									139	139	61	31
77/ 71		.2	1.1	2.5	1.3	1.7	.9	.4										85	85	106	46
75/ 69		1.0	1.3	1.0	1.8	1.1	1.4	.5										81	81	127	67
73/ 67		.9	1.2	1.1	1.5	1.0	1.1	.3										64	64	136	123
71/ 65		.5	.5	1.4	.3	.5	.6											46	46	126	99
69/ 63		.2	.2	.4	.9	.3	.4											25	25	86	102
67/ 61			.5	.2	.5	.5												16	14	67	79
65/ 59				.1	.1	.1												3	3	63	78
63/ 57					.1	.1												2	2	36	67
61/ 55			.1	.1	.2													4	4	28	73
59/ 53																				21	48
57/ 51																				5	14
55/ 49																				6	31
53/ 47																					7
51/ 45																					25
49/ 43																					9
47/ 41																					8
45/ 39																					3
TOTAL	3.0	3.2	9.2	9.8	9.8	14.2	6.1	3.5	1.0	.1	.1							930	93	930	937

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4152744	64978	65.4	2.891	930							
Dry Bulb	5179837	69159	78.4	6.299	930			83.2	59.7	17.3	.1	93
Wet Bulb	4134053	61767	66.4	5.884	930			49.6	12.7	.2		93
Dew Point	3585937	57325	61.6	7.513	930			28.0	8.8			93

USAFETAC FORM 0-24-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | AUG MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31								
[illegible]					.2	.1	.1											4	4		
[illegible]					.2	.5												8	8		
[illegible]				.2	.5	.3		.2										12	12		
[illegible]			.1	.3	1.[illegible]	.3	.7	.2										20	20		
[illegible]			.1	1.	1.	.3	1.[illegible]	.4	.1									35	35	3	
[illegible]			1.	2.[illegible]	1.5	.3	.3											46	46	9	
[illegible]		.1	1.	2.[illegible]	2.4	1.3	.1											90	90	28	9
[illegible]		1.4	4.[illegible]	3.8	1.6	1.5												114	114	31	29
[illegible]		1.6	6.3	3.[illegible]	2.4	.4												137	137	86	40
[illegible]	.[illegible]	1.5	8.7	2.9	1.3	.5												100	100	131	81
[illegible]		1.	3.7	2.6	1.3	.8		.1										89	89	129	112
[illegible]	.1	2.5	2.5	1.[illegible]	1.3	.5												85	85	112	111
[illegible]	.1	1.[illegible]	2.4	1.[illegible]	.9	.3												61	61	114	97
[illegible]		1.[illegible]	1.7	.9	.8	.[illegible]												45	45	60	98
[illegible]		1.1	1.[illegible]	1.	.4													40	40	76	83
[illegible]		.4	.9	.6	.1													15	15	68	74
56/ 55		.2	.[illegible]	.[illegible]	.2													14	14	26	58
[illegible]		.[illegible]	.4	.[illegible]														8	8	24	50
[illegible]		.1	.1															2	2	17	18
[illegible]			.1															1	1	10	27
[illegible]		.1																1	1	3	21
[illegible]			.1															1	1	2	13
[illegible]																				1	19
[illegible]																					
[illegible]																					
TOTAL	.5	17.[illegible]	34.[illegible]	25.7	16.8	8.[illegible]	1.2	.6											93		930
																	930			930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5487814	70789	76.1	10.391	930							
Dry Bulb	4583912	65906	69.9	6.567	930			65.7	33.1	6.0		93
Wet Bulb	3951595	60355	64.9	6.11[illegible]	930			41.7	7.1			93
Dew Point	3604298	57536	61.9	6.939	930			26.6	3.3			93

FORM AS-64 0-26-5 (OL A) USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | AUG MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[redacted] / 99																		2	2		
[redacted] / 97																		7	7		
[redacted] / 95																		8	8		
[redacted] / 93																		35	35		
[redacted] / 91																		57	57		
[redacted] / 89																		105	105		
88 / 87																		130	130		
86 / 85																		209	209		
84 / 83																		276	276		
82 / 81																		356	356	2	
[redacted] / 79																		530	530	47	
[redacted] / 77																		621	621	127	4
76 / 75																		772	772	188	62
74 / 73																		839	839	590	144
[redacted] / 71																		691	691	770	351
[redacted] / 69																		636	636	1051	698
68 / 67																		558	558	989	989
66 / 65																		422	422	859	809
64 / 63																		342	342	774	768
[redacted] / 61																		260	260	574	690
[redacted] / 59																		220	220	510	637
[redacted] / 57																		123	123	390	558
56 / 55																		78	78	208	509
54 / 53																		56	56	145	393
52 / 51																		55	55	84	267
[redacted] / 49																		23	23	68	196
[redacted] / 47																		12	12	33	179
[redacted] / 45																		12	12	15	104
44 / 43																		5	5	11	47
[redacted] / 41																				5	26
[redacted] / 39																					14
36 / 37																					2
TOTAL	1.2	3.5	23.5	36.9	12.6	[redacted].6	8.2	7.3	3.2	1.9	.8	.3	.1	.0	.0			7440	7440	7440	7440

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Noon No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 91 F	Total
Rel. Hum.	387721[redacted]2	524176	70.5	15.735	7440							
Dry Bulb	39787257	540547	72.7	8.315	7440			583.2	399.7	196.7	5.2	744
Wet Bulb	32489265	489479	65.8	6.209	7440			376.4	95.4	2.0		744
Dew Point	28746588	459508	61.8	7.029	744[redacted]			229.8	21.0			744

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE IAP IL — 74-83 — SEP

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 2000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 78						.1												1	1		
7[illegible] / 77					.3	.2	.1											6	6		
7[illegible] / 75				.6	1.	.3	.1											18	18		
74 / 73			1.2	1.2	.9	.3		.1										40	40	1	
7[illegible] / 71		.6	1.4	1.3	.6		.2											37	37	11	1
7[illegible] / 69		1.	2.0	1.2	.6	.1												51	51	39	14
6[illegible] / 67		1.3	2.2	.[illegible]	.7	.2	.3											47	47	46	37
66 / 65		1.7	2.4	1.[illegible]	.8	.1												58	58	55	53
64 / 63	.1	2.3	1.2	1.6	.8	.1												64	64	61	35
6[illegible] / 61	.2	3.2	1.4	1.[illegible]	.6													65	65	58	55
[illegible] / 59		3.2	2.[illegible]	1.9	.2	.1												78	74	60	79
5[illegible] / 57		2.7	2.7	.9	.6	.2	.1											65	65	64	47
56 / 55	.[illegible]	3.7	3.9	1.4	.9	.1												92	92	76	52
54 / 53	.1	3.9	2.7	1.1	.1													71	71	86	64
52 / 51		1.9	2.6	.2	.4													46	46	84	85
5[illegible] / 49	.[illegible]	2.9	2.3	.7														56	56	71	86
[illegible] / 47		4.2	1.1	.1														49	49	57	62
46 / 45		1.9	.3															20	20	68	68
44 / 43		1.8	.4															21	21	24	54
42 / 41		.3	1.															12	12	17	40
4[illegible] / 39		.4	.2															6	6	8	23
38 / 37		.1																1	1	12	14
3[illegible] / 35		.1																1	1	2	10
34 / 33		.2																2	2	1	10
32 / 31		.1																1	1	3	7
3[illegible] / 29																					2
2[illegible] / 27																					2
TOTAL	1.	3[illegible]	.6	3[illegible]	.1	6.7	7.1	1.9	.7	.1									900		900
																		970		900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5921[illegible]75	72363	80.4	10.696	900							
Dry Bulb	31[illegible]5764	53[illegible]42	58.9	8.807	900		.1	20.0	6.5	.1		90
Wet Bulb	28277[illegible]7	47[illegible]05	55.5	8.202	900		.3	9.7	.1			90
Dew Point	2573043	47467	52.7	8.798	900		1.1	5.2				90

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7[illegible]3 [illegible] CHICAGO-O'HARE IAP IL 74-83 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 0100-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL O.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
7 / 77				.1														1	1		
76 / 75			.4	.2	.2	.1												9	9		
74 / 73		.3	1.7	.8	.2													27	27		
72 / 71			.2	1.0	.2		.1											41	41	15	
70 / 69		1.1	2.7	.4	.1	.2	.1											42	42	22	18
68 / 67		1.2	2.2	.2	.3	.1												42	42	57	31
66 / 65		2.3	.9	.3	.7	.2												50	50	83	46
64 / 63	.1	3.2	.2	1.0	.4													50	50	85	38
62 / 61	.4	4.2	1.4	1.0	.1	.1												66	66	56	63
60 / 59	.1	3.6	2.2	1.0	.6	.1												78	78	63	50
58 / 57	.4	3.4	2.3	1.3	.1	.1												70	70	62	65
56 / 55		2.2	2.7	2.2	.3	.3												70	70	76	82
54 / 53	.6	3.6	3.[illegible]	1.4	.1													78	78	58	67
52 / 51		3.6	3.[illegible]		.3													62	62	76	67
50 / 49	.4	3.6	2.[illegible]	.6														59	59	88	70
48 / 47	.1	4.6	1.6	.2														58	58	71	67
46 / 45	.[illegible]	3.[illegible]	.2	.2														36	36	65	96
44 / 43		2.7	.3															27	27	44	64
42 / 41		.8																7	7	22	29
40 / 39		.7	.2															6	8	14	32
38 / 37		.9	.1															9	9	2	22
36 / 35		.6	.1															6	6	10	9
34 / 33																				6	4
32 / 31		.4																4	4	1	14
30 / 29																				4	1
28 / 27																					4
26 / 25																					1
TOTAL	2.[illegible]	46.2	33.2	12.7	3.8	1.3	.2												200		900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4269261	79587	82.9	9.888	900							
Dry Bulb	3434153	51628	57.4	8.983	900		.4	16.2	3.7			90
Wet Bulb	2730570	48974	54.4	8.544	900		.5	9.4				90
Dew Point	2515189	46871	52.1	9.085	900		2.0	4.9				90

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | SEP MONTH

PAGE 1 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
-/79				.1		.2	.1											4	4		
78/77			.2		.2													5	5		
76/75		.1	.4	.6	.7	.7	.1											19	19		
74/73			1.6	1.4	.6	.1												33	33	4	
72/71		1.4	2.9	.9	.4	.3	.1											54	54	11	6
70/69		1.6	1.3	.4	.2	.2	.1											40	40	48	19
68/67		2.4	2.3	1.1	.2	.2												61	61	63	48
66/65		2.1	2.7	1.3	.4	.1												60	60	49	56
64/63	.1	3.2	.3	1.8	.8	.1												61	61	59	53
62/61	.1	4.1	2.1	1.3	.3													71	71	58	49
60/59	.4	3.1	3.8	1.3	1.2	.3	.1											92	92	72	55
58/57	.1	2.2	3.1	1.8	.2	.2												70	70	76	69
56/55	.1	2.6	3.8	1.4	.3	.1												75	75	74	48
54/53	.1	2.2	3.1	.7	.6													65	65	74	78
52/51		1.8	2.9	.2	.6													48	48	76	64
50/49	.1	2.2	1.6	.2														40	40	73	77
48/47		2.1	.6	.1														30	30	45	67
46/45	.1	2.3	.9	.1														30	30	49	71
44/43		.9	.5	.1														14	14	30	38
42/41		.9	.2															10	10	13	29
40/39	.1	.6	.1															8	8	14	31
38/37		.1																1	1	6	14
36/35		.4																4	4	3	11
34/33		.1																1	1	5	5
32/31		.1																1	1		7
30/29		.1																1	1	2	1
28/27																					2
TOTAL	1.0	37.3	35.7	15.3	6.9	2.3	.7												900		900
																		900		900	

Element (K)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5998257	72827	80.9	6.659	900							
Dry Bulb	3259709	53569	59.5	8.857	900		.2	21.6	6.1			90
Wet Bulb	2896642	50496	56.1	8.403	900		.2	12.6	.4			90
Dew Point	2699579	48145	53.5	9.078	900		1.2	7.3				90

USAFETAC FORM 0-26-5 (OL A) 80-04 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 2 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
78-83 — YEARS
SEP — MONTH

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
9[illegible]/ 91								.1										1	1		
9[illegible]/ 89									.2		.1							3	3		
88/ 87								.6		.1								6	6		
86/ 85						.1	.2	.1	.2									6	6		
84/ 83					.2	.5	.4	.4	.2									17	17		
82/ 81				.3	.6	.4	.2	.7		.1								21	21		
8[illegible]/ 79			.2	.3	.7	1.6	1.3	.7	.3	.1								47	47		
77/ 77			.2	1.1	1.8	1.8	.6	.7	.3	.3	.1							56	56	2	
76/ 75			.2	1.8	1.7	1.0	1.1	.7	.2									68	68	13	
74/ 73		.4	1.1	1.3	1.6	1.2	.9	.7	.1									65	65	25	9
7[illegible]/ 71		.8	.0	1.4	1.8	.6	1.1	.6		.1								62	62	45	10
7[illegible]/ 69		.7	.6	1.1	1.9	1.7	1.4	.8	.1									71	71	64	37
68/ 67		.4	1.3	1.4	2.3	1.8	1.[illegible]	.2	.1									76	76	77	51
66/ 65	.3	.8	.7	1.4	1.7	2.9	.7	.6	.1									81	81	65	48
64/ 63		.9	1.2	2.1	2.1	1.[illegible]	.[illegible]	.6										79	79	77	51
62/ 61		1.[illegible]	1.2	1.[illegible]	1.7	.9	.3	.3	.1									59	59	66	48
6[illegible]/ 59		1.3	1.2	1.7	1.8	1.2	.6	.1										71	71	103	66
56/ 57		.2	.9	.8	1.8	.1	.4											35	35	87	58
54/ 55		.3	.6	1.2	.9	.5	.1											29	29	68	70
52/ 53		.4	.3	.7	.1	.3												17	17	63	78
50/ 51			.9	.2	.7	.1												13	13	55	57
48/ 49		.1	.[illegible]	.2	.1	.2												7	7	38	67
46/ 47		.8	.1	.1	.1													8	8	20	65
44/ 45					.1													1	1	22	60
42/ 43					.1													1	1	9	23
40/ 41																				2	28
38/ 39																				1	17
36/ 37																				2	11
34/ 35																					17
32/ 33																					12
30/ 31																					3
28/ 29																					3
26/ 27																					3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-3 (OL A) USAFETAC — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible]3 2 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | SEP MONTH

PAGE 2 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL O.B./W.B.	TOTAL		
	0	1 - 2	3	4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
TOTAL	.1	7.7	13.		19.7	22.4	19.2	11.3	7.3	2.1	.8	.2								900	900		900

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3452860	57956	63.8	9.340	900							
Dry Bulb	4229276	61229	68.0	8.429	900			49.9	29.0	8.2		90
Wet Bulb	3377267	54292	60.3	7.615	900			22.2	9.0			90
Dew Point	2773886	49252	54.7	9.350	900		.9	10.7	.9			90

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 [illegible] CHICAGO-O'HARE IAP IL — 74-83 — SEP

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 1200-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76 / 80													.1					1	1		
74 / 78									.1	.3	.1	.2						7	7		
72 / 76									.1	.5	.3							9	9		
70 / 74									.6	.3	.3							11	11		
68 / 72						.1	.2	.2	.2	.3	.1	.1						14	14		
66 / 70						.5	.7	1.3	.6	.6	.7	.1						34	34		
64 / 68					.1	.5	.9	1.4	1.4	.3	.6							49	49		
62 / 66					.1	.5	1.2	1.1	1.1	1.1	.6							62	62		
60 / 64				.2	.1	.3	.4	1.9	.7	1.7	.7							63	63		
58 / 62			.1	1.2	1.4	.3	1.7	.9	1.4	.3								67	67	5	
56 / 60				.4	1.2	1.6	1.2	2.1	1.1	.3								72	72	21	1
54 / 58		.2	.2	.2	.8	1.2	1.2	.9	1.3	.2	.2							64	64	93	3
52 / 56			.2	.6	.6	3.	1.6	.8	.3	.1								66	66	52	18
50 / 54		.1	.2	.9	1.4	1.3	1.1	.9	.6	.3	.1							67	67	59	33
48 / 52		.2	.4	1.2	1.2	1.2	2.0	.4	1.2									71	71	68	32
46 / 50		.2	1.1	1.	.2	1.4	.2	.4	.6									57	57	83	48
44 / 48	.1	.4	.2	1.1	.7	.7	1.1	.6	.2	.1								48	48	79	45
42 / 46		.6	.4	.3	1.4	.2	1.3	.2	.1									54	54	99	50
40 / 44		.7	.7	.3	1.4	.4	.2	.4										38	38	94	99
38 / 42		.2	.2	.4	.3	.2	.3											15	15	75	61
36 / 40		.2	.2	.7	.2	.2	.2											17	17	61	52
34 / 38		.4	.1	.1	.1	.2	.1											12	12	54	71
32 / 36		.2		.3		.2												13	13	61	79
30 / 34		.6																5	5	25	58
28 / 32																				17	68
26 / 30																				12	56
24 / 28																				3	26
22 / 26																				1	23
20 / 24																					24
18 / 22																					16
16 / 20																					15
14 / 18																					13
12 / 16																					13
10 / 14																					4

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL 74-81 SEP
STATION STATION NAME YEARS MONTH

PAGE 2 1200-1800
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]																					5
TOTAL	.1	.4	.8	.9	9.9	17.4	19.1	17.6	14.4	12.0	6.2	3.1	.4	.1				900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2,385766	49026	54.5	5.470	900							
Dry Bulb	4762340	64947	72.2	9.211	900			69.7	44.3	21.9	.8	90
Wet Bulb	3447863	55785	61.4	7.563	900			24.0	6.9			90
Dew Point	2,694337	46463	53.9	9.707	900		2.2	8.7	.4			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725340 CHICAGO-O'HARE IAP IL 74-83 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]											.2							2	2		
[illegible]										.1	.3		.1					5	5		
[illegible]										.4	.4	.1						9	9		
[illegible]									.2	.6	.3		.1					12	13		
58 / 57									.7	.4	.2	.2						14	14		
26 / 25							.3	.4	.8	.6	.3	.2	.2					27	27		
58 / 55						.2	.4	1.2	1.[illegible]		.3	.4	.1					43	43		
2 / 2				.1	.6	1.1	1.0	.7	1.4		.3	1.1	.1					63	63		
8 / 79				.1	1.4	.2	1.1	1.9	.6		.7	.4						63	61		
7 / 77				.2	.6	.3	1.[illegible]	1.3	1.0		.8							53	53	2	
26 / 25					.3	1.[illegible]	1.3	2.4	1.4	1.0								68	69	14	
24 / 23			.1	.1	.2	.6	.8	1.4	1.7	2.1		.1						67	67	35	8
2 / 21			.1	.3	.[illegible]	1.6	.4	1.2	1.4	.3	.4	.4						62	62	57	11
2 / 19			.2	.1	.6	1.[illegible]	1.1	1.3	1.[illegible]	.4	.2	.2						61	61	50	28
8 / 67	.1		.1	.[illegible]	.4	.9	.8	1.2	1.[illegible]	.4	.3							57	57	44	31
58 / 55			.[illegible]	.[illegible]	.[illegible]	.6	1.8	1.4	.6	.7								62	62	84	32
66 / 63	.1		.2	1.2	1.5	1.3	1.2	.[illegible]	.6	.2	.1							66	66	84	46
62 / 61	.4		.2	1.[illegible]	.[illegible]	1.2	1.2	.[illegible]	.7	.1								61	61	101	59
[illegible] / 50			.8	1.[illegible]	.8	.9	.6	.4	.2									39	39	95	70
[illegible] / 57			.2	.4	.2	.6	.1	.2	.1									16	16	81	69
5 / 55			.2	.2	.4	.4	.6	.2										20	27	70	65
[illegible] / 53			.1		.3	.2	.1											9	9	60	57
[illegible] / 51	.1		.2		.1		.3											8	8	46	68
5 / 48	.1		.2		.1	.3	.1											12	12	39	67
[illegible] / 47			.2			.1												2	2	26	78
4 / 45																				11	56
[illegible] / 43																				3	40
[illegible] / 41																				1	27
4 / 39																				1	20
2 / 37																					17
2 / 35																					14
2 / 33																					11
[illegible] / 31																					20
3 / 29																					8

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | SEP MONTH

PAGE 2 | 1500-1700 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL O.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	12-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31				
[illegible]																							3
[illegible]																							2
[illegible]																							1
TOTAL	.2	5.3	6.8	5.6	12.6	14.7	16.0	15.6	11.2	6.1	4.6	.8	.2							91 C	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7803120	48757	54.2	16.738	900							
Dry Bulb	6678155	64393	71.5	9.488	900			60.7	82.7	21.1	.7	90
Wet Bulb	5372325	59670	66.3	7.482	900			22.2	5.1			90
Dew Point	2605779	47699	52.9	9.699	900		3.0	7.8	.8			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 T 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
79-83 — YEARS
SEP — MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]									.1									1	1		
[illegible]								.1		.2								3	3		
[illegible]					.2		.4	.2	.2									10	10		
[illegible]					.2	.2	1.[illegible]	.4	.1									18	18		
80 / 79				.7	.7	.8	.3	.3		.1								26	26		
78 / 77			.7	.8	1.4	.9	1.1			.3								40	40		
76 / 75			.1	1.2	.7	1.1	1.0	.3	.3	.2								45	45	3	
74 / 73			.2	1.4	.8	1.7	.8		.2									46	46	11	2
72 / 71		.1	.7	.9	1.4	.8	1.2	.9										54	54	28	9
70 / 69		.2	1.4	1.2	1.6	1.1	1.2	.4										65	65	45	8
68 / 67	.	.1	1.2	1.3	1.7	1.[illegible]	.9	.4	.1	.1								70	70	53	32
66 / 65		.7	1.6	1.[illegible]	2.2	1.[illegible]	1.1	.2	.1	.1								80	80	60	45
64 / 63		1.0	1.3	1.[illegible]	2.2	.9	.6											69	69	61	41
[illegible] / 61	.4	1.6	1.6	2.0	1.7	1.2	.1											85	85	87	49
60 / 59		.8	2.0	2.0	2.3	1.2	.3	.1										87	87	79	77
[illegible] / 57	.4	.6	1.4	1.[illegible]	1.3	.3	.3											53	53	96	66
[illegible] / 55		.8	.2	2.7	1.[illegible]	.7	.3											55	55	96	54
[illegible] / 53		.6	.2	1.6	.7	.7												30	30	82	75
[illegible] / [illegible]		.7	1.[illegible]	.3	.7	.1												22	22	56	84
[illegible] / 49		.7	.2	.2	.3													13	13	58	78
[illegible] / 47		.7	.3	.3	.6													17	17	93	55
[illegible] / 45			.1	.2	.3													6	5	30	78
[illegible] / 43			.2	.3														5	5	14	44
[illegible] / 41																				4	88
[illegible] / [illegible]																				9	13
[illegible] / 37																				3	16
[illegible] / 35																					5
[illegible] / 33																					18
[illegible] / 31																					9
[illegible] / 29																					9
[illegible] / 27																					1
TOTAL	.2	8.1	16.2	23.2	22.2	12.2	10.6	3.6	1.2	1.1									900		900
																		900		900	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4.876636	59318	65.9	8.073	900							
Dry Bulb	367.960	58512	65.0	8.599	900			37.8	18.9	4.1		90
Wet Bulb	3086698	52270	58.1	7.530	900			14.0	1.4			90
Dew Point	2577978	47486	52.8	8.950	900		1.9	5.1	.2			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7383 C — STATION
CHICAGO-O'HARE IAP YL — STATION NAME
74-83 — YEARS
SEP — MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]							•											1	1		
[illegible]						•												7	7		
[illegible]					•	•9												15	15		
[illegible]			•3	•	1.2	•4	•1											26	26		
[illegible]		•1	1.[illegible]	1.7	1.6	•7	•2											47	47	2	
[illegible]			1.7	•6	1.1	•6	•1											36	36	19	1
[illegible]		1.1	1.[illegible]	1.6	•7	•4	•4	•2										57	57	35	15
[illegible]	•2	•7	3.[illegible]	1.1	1.1	•3	•1	•1										60	60	88	31
[illegible]		1.7	3.[illegible]	1.3	1.1	•7												66	66	59	52
[illegible]	•3	1.3	1.6	2.2	1.4	•3		•1										66	66	71	39
[illegible]	•2	1.9	2.2	2.2	1.3	•1		•1										73	73	56	61
[illegible]		1.6	4.3	1.7	1.4	•3	•1											85	85	59	79
[illegible]	•[illegible]	1.[illegible]	3.8	1.4	•7	•3	•1											75	75	83	80
[illegible]		2.[illegible]	3.7	2.[illegible]	•9	•3												80	80	104	59
[illegible]		2.7	3.2	2.[illegible]	•3													70	70	75	77
[illegible]		1.2	2.4	•3	•2													38	38	72	91
[illegible]		1.4	1.6	•2														29	29	76	80
[illegible]	•1	1.2	•3	•3														18	18	89	67
[illegible]		1.4	•6															18	19	35	68
[illegible]		1.[illegible]	•7	•4														19	19	19	89
[illegible]		•1	•6	•1														7	7	13	31
[illegible]			•4															4	4	9	12
[illegible]																				11	13
[illegible]		•1	•1															3	3		8
[illegible]																				3	16
[illegible]																					8
[illegible]																					2
[illegible]																					1
TOTAL	1.12[illegible]	•6	36.	32	[illegible].8	14.[illegible]	[illegible].7	1.3	•6									900	[illegible]00	900	900

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5[illegible]26.3	68[illegible]1	75.9	1.517	900							
Dry Bulb	34[illegible]961	54827	60.9	8.597	900			28.9	9.6	.5		90
Wet Bulb	2921[illegible]89	50787	56.4	7.863	900			10.4	.2			90
Dew Point	2594898	47702	53.0	8.620	900		1.1	8.7				90

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | SEP MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31				
[illegible] / 95											.0		.0					3	3		
[illegible] / 93									.0	.1	.1	.0	.0					12	12		
[illegible] / 91								.0	.0	.1	.1	.0						19	19		
[illegible] / 89							.0		.1	.1	.1		.0					28	28		
96 / 87						.0	.0	.1	.1	.1	.1	.0						34	34		
96 / 85						.1	.1	.3	.2	.1	.1	.0						72	72		
94 / 83					.1	.3	.3	.4	.4	.1	.1	.0						119	119		
94 / 81				.4	.3	.3	.5	.4	.3	.2	.2	.0						165	165		
[illegible] / 79			.1	.2	.4	.6	.4	.6	.2	.2	.1							201	201		
92 / 77			.1	.5	.8	.9	.6	.4	.3	.2	.1							243	243	9	
76 / 75		.0	.3	.6	.8	.8	.6	.7	.4	.2								325	325	51	1
94 / 73		.0	1.0	1.1	.9	.8	.6	.4	.5	.2	.0							389	389	121	18
72 / 71		.3	1.4	..	1.0	.8	..	.6	.1	.1	.1							412	412	238	56
72 / 69		.8	1.0	.9	.9	.8	.7	.4	.1	.1	.0							458	458	358	172
[illegible] / 67	.1	.8	1.3	1..	1..	.7	.7	.3	.2	.1								484	484	448	293
56 / 65	.	1.2	1.7	1.2	1..	1..	.5	.2	.2	..								508	508	498	376
[illegible] / 63	.1	1.8	1.7	1.6	1.2	.5	.4	.2	.1	.								503	503	537	348
[illegible] / 61	..	2.2	1.8	1.4	1..	..	.3	.2	.0									530	530	577	454
[illegible] / 59	.1	1..	2.5	1.5	1.2	..	.2	.1										564	564	605	366
[illegible] / 57	..	1.4	1..	1.1	.7	.2	.2	..										399	399	624	475
56 / [illegible]	.	1.5	2..	1.5	.6	..	.1											438	438	617	442
[illegible] / 51	.1	1.7	1.7	1..	.3	.1	.											350	350	546	563
52 / [illegible]	.	1.2	1..	.2	.4	.2												250	253	528	595
5 / [illegible]	..	1..	1..	.3	.1	..												221	221	470	575
[illegible] / 47	.	1.5	..	.2	.1													182	182	318	529
[illegible] / 45	.	1.1	.3	.1	.1													111	111	292	549
48 / 43		.8	.	.1	.													87	87	146	338
42 / 41	.	.3	.2	.														36	36	85	297
[illegible] / 39	.	.2	.1															26	26	56	172
3 / 37	.	.2	.															13	13	36	123
[illegible] / 35		.2	.															14	14	15	89
34 / 33	.	..																3	3	15	85
[illegible] / 31		.1																6	6	4	81
[illegible] / 29		.0																1	1	6	28

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-370 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) SEP (MONTH)

PAGE 2 ALL (HOURS (C.S.T.))

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-0/-27																					21
70/-75																					3
74/-25																					1
TOTAL	1.3	21.7	22.3	15.4	12.7	8.9	7.3	5.2	3.3	1.8	1.0	.2	.0					7200	7200	7200	7200

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	37206587	5026635	69.8	7.150	7200							
Dry Bulb	30485793	462137	64.2	9.426	7200		.7	295.8	160.8	55.9	1.5	720
Wet Bulb	24610154	416688	57.9	8.292	7200		1.0	122.5	18.1			720
Dew Point	20984184	383028	53.2	9.188	7200		13.9	59.0	1.9			720

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL — 74-83 (YEARS) — OCT (MONTH)

PAGE 1 — 0000-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] 75					.1													1	1		
74/ [illegible]					.1	.1		.1										5	5		
[illegible] 73				.4	.1		.2											7	7		
[illegible] 69				.1	.1													2	2		
68/ 67			.1	.2	.4	.1												9	9	1	
66/ 65		.8	.4	.6	.8	.3												27	27	7	
64/ 63		.8	.2	.4	.2	.3												18	18	15	5
62/ 61		.3	.2	.4	.5	.1	.3											16	16	15	13
60/ 59		1.6	1.3	.3	.9	.5	.2											45	45	18	14
58/ 57		.5	1.2	.6	1.2	.5	.3											41	41	36	17
56/ 55		1.7	.5	1.3	.5	.2												37	37	22	22
54/ 53	.4	2.0	.5	1.2	.4	.3												44	44	34	32
52/ 51	.5	1.8	3.0	.6	.9	.2												74	74	56	38
50/ 49		2.2	3.5	2.2	.5													78	78	48	35
48/ 47		2.9	2.5	2.	.5													83	83	80	30
46/ 45	.1	3.1	3.2	1.6	.2													82	82	86	68
44/ 43		2.4	2.3	.6	.4													53	53	91	87
42/ 41		3.1	2.5	1.2														63	63	77	60
40/ 39	.3	3.0	2.9	.4	.1													63	63	78	61
38/ 37	.3	3.8	1.2	.8														62	62	68	101
[illegible] 35		2.3	1.[illegible]	.2														35	35	61	61
34/ 33	.6	2.0	.5															26	26	44	70
32/ 31	.3	1.6	.4															22	22	39	84
30/ 29	.4	1.3	.3															19	19	26	41
28/ 27		.9	.1															9	9	12	38
26/ 25	.1																	1	1	10	22
24/ 23		.3																3	3	2	12
22/ 21		.1																1	1	2	12
[illegible] 19	.2																	2	2	2	5
18/ 17																					6
TOTAL	3.	38.6	[illegible].8	15.4	8.3	2.8	1.1	.1											[illegible]3		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5535673	7W788	76.1	12.603	930							
Dry Bulb	2171384	44[illegible]02	47.3	9.814	930		5.7	2.4	.6			93
Wet Bulb	1854201	40704	43.8	8.818	930		9.3	.1				93
Dew Point	1555581	37025	39.8	9.358	930		22.0					93

USAFETAC FORM 0-26-3 (OL A) REVISED METEOROLOGICAL EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible]3 — CHICAGO-O'HARE IAP IL — 74-83 — OCT

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0300-0500 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
74/ 73					.2													2	2		
72/ 71				.1	.1		.2											4	4		
7 / 69			.2	.1			.1											4	4		
6 / 67				.2	.1													3	3		
66/ 65		.1	.4	.8	.2													16	16	6	
64/ 63		.6	.4	.5														17	17	7	2
62/ 61	.1	.8	.4	.1	.1													11	11	17	7
6 / 59		1.7	1.3	.3	.2													33	33	13	16
5 / 57		1.7	1.6	.9	1.	.1	.1											50	50	38	16
5 / 55		1.1	1.	.3	.4	.4												35	35	24	22
54/ 53	.5	1.4	.5	.6	.3	.2												35	35	38	41
52/ 5		1.3	3.1	1.	.5	.1												56	56	36	28
5 / 49		2.2	3.4	1.7	.5													73	73	33	32
48/ 47	.1	3.8	3.8	2.	.8													94	94	80	38
46/ 45	.3	3.9	3.4	1.1														81	81	79	64
44/ 43		3.7	3.5	.6	.2													75	75	94	67
42/ 41		2.3	2.6	.5	.1													51	51	90	66
4 / 3	.1	3.3	3.1	.3	.1													55	65	60	76
3 / 37	1.	3.2	1.	.2														69	69	76	75
36/ 35		3.5	1.6															48	48	76	81
34/ 33	.2	1.3	.5															47	47	54	69
32/ 31	.2	1.8	.2															21	21	53	94
3 / 29	.2	.8	.2															15	15	28	51
2 / 27	.2	1.1																13	13	9	39
26/ 25		.3																5	5	12	24
24/ 23		.3																3	3	5	10
22/ 21		.1																1	1	2	10
2 / 19	.3																	3	3	3	7
18/ 17																					6
TOTAL	4.1	44.6	33.[illegible]	12.[illegible]	4.[illegible]	.9	.4												230		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	588735[illegible]	73258	78.8	1.206	930							
Dry Bulb	2030766	42559	45.8	9.467	930		6.1	1.3	.2			93
Wet Bulb	1772436	39778	42.8	8.745	930		10.9					93
Dew Point	1516201	36549	39.3	9.270	930		29.1					93

USAFETAC FORM 0-26-3 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 [illegible] CHICAGO-O'HARE IAP IL 79-83 OCT
STATION STATION NAME YEARS MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31								
[illegible]				.1	.1	.2																5	5		
[illegible]				.1	.2		.2	.2														5	5		
[illegible]					.3	.4																8	8	2	
64 / 65				.5	.2	.1																9	9	3	
66 / 65			.8	.1	.3	.1																17	17	10	3
[illegible]			.8	.2	1.2	.1	.1															19	19	14	7
[illegible]		1.5	1.0	.4	.4																	35	35	20	18
[illegible]		1.5	1.6	.5	.4																	35	39	27	17
5 / 66	.1	1.2	1.7	1.4	1.1	.1																50	50	42	26
[illegible]	.1	2.4	1.6	1.2	.8	.1	.4															58	58	35	35
[illegible]		1.1	2.1	1.3	.6	.1	.2															55	55	44	33
[illegible]		2.4	4.2	1.5	.4																	84	84	42	41
[illegible]		4.	4.1	1.1	.6																	97	97	91	48
[illegible]	.1	2.1	3.4	1.6	.1																	76	76	82	58
[illegible]	.1	2.8	3.1	1.2																		66	66	91	64
[illegible]		2.2	4.2	.5	.1																	65	65	84	58
[illegible]	.1	2.7	1.3	.1																		42	42	77	88
[illegible]	.1	1.	1.7	.6																		53	53	73	75
[illegible]		1.3	1.2	.1																		46	46	63	72
[illegible]	.4	2.6	.2																			36	32	56	73
[illegible]	.1	1.1	.5																			18	18	38	90
[illegible]	.4	.4	.1																			9	9	16	53
[illegible]	.1	1.2																				12	12	13	22
[illegible]		.2																				2	2	8	19
[illegible]	.1	.1																				3	3	5	11
[illegible]	.1																					2	2	2	13
[illegible]	.1																					1	1	1	3
[illegible]																									3
TOTAL	.9	38.3	36.3	15.7	5.7	.5	.4																<53		930
																		930						930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 8 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	572,885	72215	77.7	11.088	930							
Dry Bulb	21252+6	43628	46.9	9.221	93[illegible]		9.7	2.2				93
Wet Bulb	1881150	40614	43.7	8.524	930		8.[illegible]	.2				93
Dew Point	1569465	37287	40.1	9.196	93[illegible]		21.4					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 3 0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | OCT MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]								.1										1	1		
[illegible]							.1		.1									2	2		
[illegible]							.3	.3	.1									6	6		
78/ 77									.1									4	4		
76/ 75							.2	.2	.4	.1								10	10		
74/ 73					.2	.2	.5	.1	.1	.1								15	15		
[illegible]						.2	.6	.4	.2	.1								18	18		
[illegible]				.1	.1	.5	.6	.3	.3	.2								25	25	8	
[illegible]			.4	.2	.4	.5	.3	.4	.1									25	25	8	
66/ 65		.1	.3	.5	.6	1.1	.4		.2									36	36	19	3
64/ 63			.1	1.2	.2	1.2	.2	.2	.2									37	37	19	9
[illegible]		.5	.3	1.2	1.7	1.7	.9	.3	.1									63	63	24	18
[illegible]	.1	1.1	1.6	.8	2.6	1.2	.9	.1										84	84	31	17
[illegible]	.2	.5	1.3	.4	1.9	1.4	.3	.2										63	63	50	25
[illegible]		.3	.6	2.3	2.4	2.2	.3											76	76	61	30
[illegible]		1.2	1.4	2.3	3.7	1.2	.4											92	92	57	38
[illegible]		.2	1.3	1.8	3.2	1.2												76	78	68	45
[illegible]	.1	1.1	1.2	2.2	2.6	.5												83	83	139	88
[illegible]		1.1	1.1	3.	2.2	.3	.1											72	72	90	51
[illegible]		.5	1.5	2.	1.2	.1												50	50	94	68
[illegible]		.5	.2	1.3	.5	.1												31	31	84	73
[illegible]		.2	.6	.5	.3													19	19	76	66
[illegible]			.2	.2	.2													13	13	51	75
[illegible]		.3	.2	.4	.1													15	15	32	87
[illegible]		.2	.4	.2														8	8	22	71
[illegible]		.1	.2	.2														5	5	17	68
[illegible]			.1															1	1	7	57
[illegible]																				5	32
[illegible]																				2	15
[illegible]																					17
[illegible]																					10
[illegible]																					6
[illegible]																					6
[illegible]																					2

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 2 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | OCT MONTH

PAGE 2 | 0000-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	.4	9.2	15.9	23.1	25.4	15.5	6.2	2.8	1.5									930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3789120	57568	61.9	19.138	930							
Dry Bulb	2913108	51364	55.2	9.755	930		.1	10.6	3.8	.4		93
Wet Bulb	2250185	45153	48.6	7.869	930		1.4	1.2				93
Dew Point	1703362	38832	41.8	9.392	930		15.0					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 3 0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 78-83 YEARS | OCT MONTH

PAGE 1 | 1200-1800 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥ / 97											.4							4	4		
/ 93									.3	.3	.1							7	7		
/ 89									.2		.1							3	3		
/ 85						.1	.1		.3	.2								7	7		
/ 81					.1	.1	.1	.0	.4	.2								13	13		
77 / 77					.1		.2	.8	.9	.1	.2							17	17		
/ 73					.1	.3	.1	.3	.6	.0								26	26		
69 / 69					.1	.5	.8	.5	1.2	.5								40	40		
/ 65					.1	.5	1.2	1.1	.2		.1							34	34	2	
/ 61				.1	.1	.4	.9	1.1	.2	.9								39	39	7	
57 / 57				.1	.2	.1	.5	1.7	1.5	.3	.4							47	47	12	2
53 / 53					.3	.6	.9	.6	1.3	.6	.3							41	41	23	1
/ 49			.2	.2	.3	.3	.6	2.2	1.0	.8								59	59	34	3
/ 45			.2	.1	1.0	.3	1.3	1.5	1.2	.1								62	62	48	13
/ 41		.4	1.0	.8	.9	2.7	1.4	.6										72	72	41	26
/ 37		.6	1.4		1.4	2.2	1.8	.5										78	78	52	29
/ 33		.2	.2	1.2	2.2	3.7	1.1	.2										85	85	69	31
/ 29		.2	.2	1.0	2.2	1.8	.9											66	66	75	42
/ 25		.2	1.1	.8	1.8	2.8	.8											61	61	63	51
/ 21		.4	1.1	1.3	2.4	2.3	.4											75	75	123	30
/ 17		.4	.6	.6	1.1	.5	.2											33	33	89	36
/ 13		.1	.2	.4	.6	.6	.1											22	22	98	65
/ 09		.2	.2	.6	.4	.2												17	17	75	72
/ 05		.1	.2	.4	.1													8	8	57	68
/ 01			.5	.5	.1													12	12	37	71
/ -03				.1	.2													3	3	28	57
/ -07																				15	79
/ -11				.2														3	3	8	60
/ -15																				2	68
/ -19																				1	50
/ -23																				3	29
/ -27																					18
/ -31																					12
/ -35																					12

Element (X)	Σ_R'	Σ_R	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AWS 0-26-5 (OL A) REVISED PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-OHARE IAP IL | 74-83 | OCT
STATION | STATION NAME | YEARS | MONTH

PAGE | 1200-1800
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					3
[illegible]																					6
[illegible]																					1
[illegible]																					1
TOTAL	[illegible]	.1	.6	15.6	22.9	17.1	17.7	5.[illegible]	3.8	1.[illegible]								93	93	93	93

Element (X)	$\Sigma g'$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2767[illegible]	88662	52.1	5.837	930							
Dry Bulb	3413227	55579	59.8	9.941	930			23.7	11.7	2.6		93
Wet Bulb	2923976	46892	50.4	8.018	930		.6	2.1				93
Dew Point	1670982	38319	41.2	9.935	930		19.9	.2				93

USAFETAC FORM 0-26-5 (OL A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] CHICAGO-O'HARE INTAP IL — STATION NAME — YEARS: 74-81 — MONTH: OCT

PAGE 1 — HOUR (L.S.T.): ~~1500-1700~~

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≤ / 27												•1						1	1		
28 / 29									•1		•2							4	4		
30 / 31							•		•2	•	•1							6	6		
32 / 33							•		•2	•1	•2							7	7		
34 / 35						•		•1	•4	•2								8	8		
36 / 37						•2	•4	•3	•6	•1								16	16		
38 / 39						•	•	•8	•6	•4	•3							21	21		
40 / 41					•1	1•1	1•1	•5	•4	•5								23	23		
42 / 43				•	•3	•	•5	•5	•5	•2	•1							28	28	2	
44 / 45				•1	•5	•1	1•2	1•1	•6	•3								47	47	5	
46 / 47				•	•3	•4	•8	•6	•4	•2								31	31	6	
48 / 49		•2	•1	•4	•5	•3	1•4	1•2	•6	•3								49	49	18	2
50 / 51		•2	•2	•3	•3	•8	1•1	•6	•5	•2								47	47	32	4
52 / 53		•2	•2	1•6	•3	1•7	•8	1•3	•1									66	66	82	9
54 / 55		•2	•2	•2	1•1	1•2	1•1	•4	•4									70	70	53	23
56 / 57		•2	•5	•2	1•2	1•1	1•2	•8										67	67	47	29
58 / 59		•2	1•	1•3	1•5	2•2	•5	•4										68	69	55	26
60 / 61		•5	•2	•8	2•5	2•2	1•2	•1										76	76	66	48
62 / 63		•3	1•4	1•2	1•6	1•2	•2											66	66	79	36
64 / 65		•2	•2	1•4	1•2	1•5	•4											71	71	83	61
66 / 67	1•		•6	1•3	2•2	•2	•1											56	56	88	39
68 / 69		•4	•3	•8	•5	•2												26	26	97	69
70 / 71		•4	•5	1•2	•4	•3												26	29	86	55
72 / 73		•2	•2	•6	•3	•1												20	20	65	65
74 / 75			•2	•	•1													2	3	41	77
76 / 77			•1	•3	•2													7	7	33	63
78 / 79																				18	79
80 / 81				•2														3	3	17	56
82 / 83																				4	77
84 / 85																					39
86 / 87																				3	26
88 / 89																					27
90 / 91																					18
≥ 92																					11

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 3 2 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | OCT MONTH

PAGE 2 1500-1700 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 1																					11
/ 17																					6
/ 15																					7
TOTAL	6.	8.5	10.	16.	21.	15.	9.	8.	6.	0.	0.	0.	0.	0.	0.	0.	0.		93		93
																		930		930	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2.20667	89877	53.8	16.263	930							
Dry Bulb	3271.68	54358	58.4	10.359	930			20.2	9.8	2.8		93
Wet Bulb	2343.62	46068	49.5	8.107	930		.7	1.3				93
Dew Point	1622.43	37687	40.5	10.119	930		21.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72534 CHICAGO-O'HARE IAP IL 78-83 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
[illegible]							.1											1	1					
[illegible]										.1								1	1					
77						.2	.2	.2	.1									7	7					
76					.2		.1	.5	.1									10	10					
75					.2	.2	.3		.2		.1							10	10					
74				.1	.1	.4		.1		.2								9	9					
73			.4	.4	.6	.3	.7	.3										23	23	1				
72			.3	.2	.5	.8	.6	.2										25	25	7				
71		.1	.2	.3	1.0	.6	.3	.1	.1									26	26	9				
70		.3	.1	1.0	.3	.2	.2	.2	.1									35	35	18	8			
69	.1	.3	.5	.5	.5	.9	.2	.8										46	46	33	19			
68		.6	1.0	.5	1.0	1.5	.5	.1										66	66	26	11			
67		.9	.9	1.4	1.2	1.5	.3	.1										56	56	36	14			
66	.1	.5	1.0	1.1	1.1	.9	.2	.2										83	83	88	33			
65	.1	.6	1.2	1.2	1.0	.1	.1	.1										59	59	47	39			
64	.1	.3	.3	.3	.2	.6												103	103	59	17			
63		.9	.9	2.6	1.0	.4	.1											75	75	78	31			
62		2.2	2.0	1.3	1.5	.5												89	83	91	52			
61		1.1	1.2	2.6	1.2	.2												58	58	104	64			
60		.8	.2	1.5	1.0													56	56	78	70			
59		1.2	1.2	1.2	.3													46	46	78	67			
58		.3	1.0	1.3	.2													36	36	67	81			
57		.5	1.4	.6														28	28	55	76			
56		.3	.2	.1	.1													7	7	81	68			
55		.2	.1	.4														7	7	72	78			
54		.3	.5	.1														10	10	13	57			
53			.2															1	1	5	33			
52		.1																1	1	2	80			
51																				2	29			
50																					10			
49																					17			
48																					11			
47																					3			
46																					2			

Element (X)	$\bar{X}_{g'}$	$\bar{X}_g$	$\bar{X}$	σ_g	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.											
Dry Bulb											
Wet Bulb											
Dew Point											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725340 CHICAGO-O'HARE IAP IL 74-83 OCT
STATION STATION NAME YEARS MONTH

PAGE 2 1800-2000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-4/-1																					1
TOTAL	.2	7.3	15.6	25.5	17.2	9.4	4.4	3.0	.6	.3	.1							930	23	930	930

Element (X)	Σx^2	Σx	$\bar{x}$	σ_n	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum	4103433	60301	64.8	14.433	930							
Dry Bulb	2668885	48981	52.7	9.572	930		1.2	8.6	2.9	.1		93
Wet Bulb	2101814	43524	46.8	8.358	930		3.2	.8				93
Dew Point	1619919	37686	40.5	9.721	930		18.9					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 2 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | OCT MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
77/ 77									.2									3	3		
76/ 76					.1	.1	.1		.1									6	6		
75/ 75					.4													4	4		
74/ 74					.1	.2	.1			.1								5	5		
73/ 73				.1	.2	.4			.1									9	9		
72/ 72		.2	.2	.1	.1	.2	.1		.1									21	21	1	
71/ 71		.2	.2	.3	.6	.4	.3	.2										22	22	8	1
70/ 70	.1	.2	.1	.6	.5	.4	.2											29	29	23	5
69/ 69		.2	.3	.5	.9	.4	.2	.1										28	28	17	15
68/ 68		.2	.3	.4	.4	.2	.2	.1										52	52	28	18
67/ 67		.2	.2	.2	.6	.4	.1											38	38	21	8
66/ 66		.2	.2	.2	.3	.4	.2											47	47	39	28
65/ 65		1.6	.2	1.1	1.3	.4												49	49	81	37
64/ 64	.2	1.7	3.8	2.6	1.4	.1												91	91	65	80
63/ 63		2.2	3.3	2.6	1.2	.2												90	90	52	30
62/ 62		2.4	2.4	1.5	1.3													70	70	95	86
61/ 61		2.5	2.3	2.6	.8													75	75	101	74
60/ 60		1.4	3.2	.8	.3													59	59	80	68
59/ 59		1.6	2.5	1.2	.2													80	49	63	70
58/ 58		.2	2.5	.4	.4													51	51	75	72
57/ 57		2.3	2.3	.4														46	46	68	86
56/ 56	.2	1.3	1.3	.3														29	29	86	61
55/ 55		1.1	.2															17	17	36	85
54/ 54	.5	1.2	.3															17	17	35	67
53/ 53	.1	.4	.4															9	9	17	32
52/ 52		.2																5	5	7	41
51/ 51		.4																4	4	7	15
50/ 50																				4	11
49/ 49		.1																1	1	1	8
48/ 48																					19
47/ 47																					1
TOTAL	1.3	26.5	31.2	17.7	13.8	5.3	2.5	.9	.5	.1									930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4284191	66591	71.6	13.766	930							
Dry Bulb	2371991	46241	49.5	9.987	930		3.6	5.2	1.5			93
Wet Bulb	1957766	41894	45.0	8.715	930		7.1	.1				93
Dew Point	1586295	37387	40.2	9.966	930		19.9					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72533 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
OCT — MONTH

PAGE 1
ALL — HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
98/ 97											.1	.0						5	5		
96/ 95									.1	.1	.2							11	11		
94/ 93							.	.0	.1	.0	.0							10	10		
92/ 91						.0	.1		.1	.2	.0							17	17		
90/ 89					.0	.0	.0	.1	.1	.1								28	28		
88/ 87					.0	.1	.2	.1	.2	.0	.0							47	47		
86/ 85					.1	.1	.2	.2	.2	.1	.0							76	76		
84/ 83				.0	.2	.3	.3	.2	.2	.1	.0							109	109		
82/ 81			.0	.1	.2	.3	.4	.2	.1	.1	.0							110	110	4	
80/ 79			.1	.2	.3	.3	.4	.3	.1	.2								158	158	17	
78/ 77		.0	.2	.2	.5	.3	.5	.3	.1	.1								171	171	37	2
76/ 75		.2	.4	.5	.6	.8	.4	.3	.2	.1								226	226	93	7
74/ 73	.0	.2	.3	.6	.2	.5	.4	.3	.2	.0								259	259	156	39
72/ 71	.0	.5	.7	.9	.6	.8	.5	.5	.2									313	313	206	97
70/ 69	.0	1.1	1.3	.6	1.0	1.2	.7	.2	.1									457	457	227	139
68/ 67	.0	.2	1.2	.5	1.1	1.2	.6	.2										428	428	307	155
66/ 65	.1	.8	1.0	1.2	1.3	1.2	.5	.1										441	441	360	218
64/ 63	.1	1.2	1.1	1.3	1.6	.8	.3	.0										477	477	393	312
62/ 61	.1	1.0	2.2	1.6	1.5	.2	.2											584	584	465	308
60/ 59	.0	1.6	2.0	2.1	1.4	.6	.1											629	629	548	284
58/ 57	.0	2.3	2.1	2.0	1.3	.2	.1											574	594	704	335
56/ 55	.1	1.9	2.0	1.6	.6	.2	.0											470	470	737	526
54/ 53	.0	1.5	2.1	1.0	.4	.1												385	385	679	585
52/ 51		1.4	1.9	.9	.2	.0												321	321	590	515
50/ 49	.2	1.4	2.0	.5	.2													310	310	486	596
48/ 47	.2	1.8	1.1	.5	.1													279	279	429	620
46/ 45	.1	1.4	.8	.1	.0													173	173	342	572
44/ 43	.1	1.3	.7	.2														136	138	288	551
42/ 41	.1	.8	.7	.0														89	89	188	594
40/ 39	.1	.8	.1															53	53	101	336
38/ 37	.1	.5	.0															40	40	55	250
36/ 35	.0	.1																12	12	39	158
34/ 33	.0	.1																9	9	16	94
32/ 31	.0	.1																5	5	7	80

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 80-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 3 0 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | OCT MONTH

PAGE 2 | ALL HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 1[illegible]	.1																	6	5	6	67
1[illegible] / 1[illegible]																					33
1[illegible] / 1[illegible]																					5
14 / 13																					2
TOTAL	1.	22.	72.	3.	16.	9.	8.	6.	3.	1.	1.	.2	.1						744[illegible]		744[illegible]
																		744[illegible]		744[illegible]	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	35628928	499263	67.	16.906	7440							
Dry Bulb	20961596	386506	51.9	10.893	7442		21.4	74.2	30.3	5.5		744
Wet Bulb	16548599	344632	[illegible].3	8.835	7440		41.2	5.8				744
Dew Point	12438293	300731	40.4	9.578	7442		161.9	.2				744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72?3 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
NOV — MONTH

PAGE 1 — 0300-0200 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL O.S./W.S.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
7 / 10					.1													1	1			
8 / 9			.1															1	1			
6 / 6			.1	.2														4	4			
4 / 6		.7		.2														8	8	1		
4 / 6	.1	1.1	.1	.1	.1													15	15	10	5	
5 / 5		1.4	.2	.2	.4	.1												22	22	14	11	
5 / 5	.0	1.7	1.1	.1	.3	.4												38	38	24	17	
5 / 5	.1	1.0	.3	.3	.1													17	17	19	25	
5 / 5	.1	1.0	.1	.7	.1	.2												26	26	23	13	
5 / 5	.3	1.2	.7	.3	.4	.1												28	28	22	22	
5 / 4	.1	.6	1.2	.5														25	25	25	13	
4 / 4		1.1	1.0	.4	.2	.2												27	27	24	19	
4 / 4		1.4	.4	.5	.1	.1	.1											34	34	29	17	
4 / 4		1.1	1.1	1.0	.1	.1												43	43	37	25	
4 / 4		1.4	2.0	.5		.1												41	41	25	31	
3 / 3	.1	2.4	2.3	.3	.1													50	50	51	30	
3 / 3	.4	2.6	3.1	1.2	.1													64	64	55	34	
3 / 3	.1	2.3	3.2	1.0	.2													75	75	51	38	
3 / 3	.3	5.2	3.3	.2														86	86	88	49	
3 / 3	.1	6.6	1.3															75	75	97	83	
3 / 3	.4	4.5	1.2															58	58	93	64	
3 / 3	.4	3.3	.1															35	35	57	76	
3 / 3	.1	2.3	1.2															42	42	47	75	
3 / 3		.2																7	7	29	48	
2 / 2	.2	1.2	.2															19	19	18	45	
2 / 2	1.2	2.4																36	36	27	46	
1 / 1	.2	.2	.1															9	9	28	29	
1 / 1		.1																1	1	2	26	
1 / 1	.1	.4																5	5	2	30	
1 / 1		.1																1	1	5	12	
1 / 0		.2																3	3	3	2	
0 / 0		.1																1	1	1		
0 / 0		.2																2	2	2	5	
0 / 0		.1																1	1	1	8	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) 80 84 — PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 3 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
NOV — MONTH

PAGE 2 0000-0300 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-2 / -1																					2
-1 / -3																					3
-3 / -5																					1
TOTAL	5	59	126	9	1	2	6	1	6	1								9 10	9 10	900	900
																		9 10		900	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5513117	69614	77.3	12.958	900							
Dry Bulb	1431857	34327	38.1	11.677	900		29.5	.2				90
Wet Bulb	1259189	32007	35.6	11.107	900		90.2					90
Dew Point	1023598	28278	31.4	12.259	900	.9	55.1					90

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72373 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 78-83 YEARS | NOV MONTH

PAGE 1 ~~0100-0500~~ HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
64/ 61		.7		.1														7	7		
62/ 61		.9	.2	.1														11	11	6	1
60/ 59	.7	1.1	.2		.3													21	21	15	11
58/ 57	.1	1.9	.7	.1	.6													30	30	15	14
56/ 55	.	1.8	.4	.1	.3													23	23	22	23
54/ 53	.	.9	.6	.9	.2													25	25	27	15
52/ 51	.	1.3	.4	.4														22	22	13	20
50/ 49	.1	1.	1.3	.3		.2												28	28	25	15
48/ 47		1.6	.8															21	21	27	12
46/ 45	.1	2.1	1.1	1.														39	39	32	18
44/ 43		1.8	1.8	.9														37	37	30	32
42/ 41	.1	2.3	2.4	.6														49	49	35	35
40/ 39	.3	.8	2.8															35	35	29	39
38/ 37	.4	3.	2.2	.6	.1													57	57	54	27
36/ 35	.1	3.4	3.1	.4	.1													55	65	45	31
34/ 33		5.9	3.8	.3														90	90	72	36
32/ 31	.1	8.1	3.1	.4														106	106	80	83
30/ 29	.4	3.	.8															38	38	107	63
28/ 27	.5	4.1	.8															44	44	58	65
26/ 25	.8	3.9	1.															50	50	58	89
24/ 23	.5	2.1	.2															24	24	41	43
22/ 21	.3	1.																12	12	28	60
20/ 19	1.1	1.9																27	27	20	52
18/ 17	.	1.4	.2															17	17	23	37
16/ 15		.8																7	7	11	15
14/ 13		.1																1	1	2	27
12/ 11	.2	.2																4	4	3	15
10/ 9		.4																4	4	5	6
8/ 7																				1	1
6/ 5		.1																1	1	1	3
4/ 3		.6																5	5	2	3
2/ 1																				3	2
-2/ -3																					5
-6/ -7																					1

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7[illegible] C STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | NOV MONTH

PAGE 2 | 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 /-13																					1
TOTAL	[illegible]	.6	57.	8	27.	3	6.	3	1.	7		.1							900		900
																		900		900	

Element (X)	Σ_R'	Σ_R	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5756735	71173	79.1	10.976	900							
Dry Bulb	1389888	33256	37.0	11.603	900		39.3					90
Wet Bulb	1194456	31210	34.7	11.170	900		99.3					90
Dew Point	998586	27794	30.9	12.311	900	.7	57.1					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 3 — STATION — CHICAGO-O'HARE IAP IL — STATION NAME — 78-83 — YEARS — NOV — MONTH

PAGE 1 — 0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-4 / 2			•1															2	2		
1 / 61		1•8																16	16	1	
5 / 55	•	1•	•3	•1	•1													16	16	21	10
3 / 57	•2	1•0	•4		•2													25	25	13	21
5 / 55	•4	1•5	•4	•4	•4													30	30	22	17
4 / 53	•1	•9	•6	•4	•3													21	21	21	16
3 / 51	•2	1•	1•6	•2														27	27	17	18
5 / 49		1•7	•8	•3		•1												28	28	24	19
6 / 47		1•0	•9	•7	•1													31	31	32	17
4 / 45	•1	1•7	•5	1•														30	32	31	26
4 / 43	•1	1•8	1•	1•1														36	36	24	28
3 / 41	•4	2•	1•3	•2														33	33	37	36
9 / 39	•6	2•7	2•9		•1													55	55	45	21
7 / 37	•3	3•7	2•7	•3														63	63	53	29
8 / 35		3•9	3•8	•6														67	67	54	38
3+/ 33	•2	5•3	3•1	•4														92	82	75	48
6 / 31	•1	7•6	3•2															98	98	76	84
3 / 29	•4	3•7	1•2															42	42	122	58
7 / 27	•3	4•2	•6															46	46	55	72
3 / 25	•3	4•7	•5															50	50	60	68
2+/ 23	•1	2•1	•2															26	26	44	47
2 / 21	•	1•3	•2															22	22	30	65
2 / 19	•2	1•																17	17	20	67
1 / 17	•1	1•2																12	12	13	37
1 / 15	•	•2																4	4	7	13
1+/ 13	•2	•3																5	5	4	17
1 / 11	•2																	2	2	5	14
1 / 9	•2	•3																5	5	2	7
2 / 7		•3																3	3	4	1
1 / 5																				2	3
0 / 3		•3																3	3	2	1
1 / 1		•3																3	3	3	2
0 / -1																				1	
-2 / -3																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725340 CHICAGO-O'HARE IAP IL 78-82 NOV
STATION STATION NAME YEARS MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1/-5																					2
-9/-11																					3
TOTAL	6.	59.	726.	5.9	1.*	.*												9.0	9.*	9.0	9.0

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5171691	71939	79.4	7.571	900							
Dry Bulb	1396377	33215	36.9	11.577	900		33.9					90
Wet Bulb	1195425	31229	34.7	11.151	900	.1	43.*					90
Dew Point	998693	27859	31.0	12.312	900	.9	56.1					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION — CHICAGO-O'HARE IAP IL STATION NAME — 74-83 YEARS — NOV MONTH

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/ 7[illegible]				.[illegible]		.1	.1											3	[illegible]		
[illegible]/ 69				.1	.1													2	2		
[illegible]/ 67			.[illegible]	.2	.1	.7												7	7		
[illegible]6/ 75			.[illegible]	.1	.1													6	6	[illegible]	
[illegible]4/ 62	.[illegible]	.7	.[illegible]	.2	.1	.3	.2											[illegible]0	2[illegible]	5	1
[illegible]/ 61		.[illegible]	.[illegible]		.6	.1	.1											18	18	11	3
[illegible]/ 59		1.[illegible]	[illegible].		.4	.6	.3											[illegible]0	3[illegible]	17	14
5[illegible]/ 57	.1	1.	.4		.6	.2	.2											23	23	27	28
55/ 55	.4	1.1	.[illegible]	1.	.7	.9												41	41	16	21
[illegible]4/ 5[illegible]	.2	.7	.5	.4	1.[illegible]	.3	.1											30	30	31	19
[illegible]2/ 5[illegible]	.1	.9	1.3	.2	.9	.6												36	36	23	11
5 / 4[illegible]		1.1	.[illegible]	1.1	1.2	.3												42	42	32	19
4[illegible]/ 47		.9	.7	1.3	1.7	.1	.1											37	37	40	25
4[illegible]/ 45		1.3	1.4	2.2	1.2	.3												59	59	28	28
48/ 43		1.7	1.7	1.9	1.2	.1												59	59	46	21
4[illegible]/ 41		1.2	2.[illegible]	1.3	.4													52	52	56	41
4 / 3[illegible]		2.3	2.4	1.7	.4													71	71	56	31
[illegible]/ 37	.3	1.4	2.[illegible]	1.2	.1													54	59	84	49
[illegible]/ 35		2.4	3.1	1.6	.3													67	67	66	48
34/ 33	.1	3.2	3.5	.8														69	69	79	45
3[illegible]/ 31		2.[illegible]	3.4	.4														61	61	63	97
[illegible]/ [illegible]		1.9	1.7															52	22	76	66
[illegible]/ 27		2.[illegible]	1.[illegible]															27	27	5[illegible]	61
[illegible]/ 25		1.4	.[illegible]															19	19	32	59
[illegible]/ 23		.3	.1															4	4	19	42
[illegible]/ 21	.1	.4	.1															6	6	9	59
[illegible]/ 1[illegible]		1.[illegible]																9	9	9	47
13/ 17		.2																2	2	4	23
1[illegible]/ 1[illegible]		.[illegible]	.1															3	3	3	18
14/ 13			.1															1	1	1	9
1[illegible]/ 1[illegible]	.1	.3																4	4	2	6
[illegible]/ [illegible]		.7																3	3	5	8
6/ 7		.2																2	[illegible]	2	1
5/ 5																				2	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) — REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: [illegible] SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] CHICAGO-O'HARE IAP IL — 74-83 — NOV

STATION — STATION NAME — YEARS — MONTH

PAGE 2 — ~~0000-1100~~ HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]		•																1	1	1	3
[illegible]																					4
[illegible]																					1
[illegible]																					2
[illegible]																					1
[illegible]																					1
[illegible]	1.	37.	33*.	16.	11*.	6*	3.*	1.?											[illegible]		900
																		900.		900.	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	875327	63813	70.9	9.18[illegible]	900							
Dry Bulb	1710646	37877	42.1	1.416	900		17.4	1.2				90
Wet Bulb	1419426	34434	38.3	[illegible].651	900		27.8					90
Dew Point	1102983	29561	32.8	12.114	900	.9	50.4					90

USAFETAC FORM AS-44 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | NOV MONTH

PAGE 1 | 1200-1800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[redacted]						.1		.2										3	3			
[redacted]						.4	.2	.6										9	9			
[redacted]					.4	.1	.2	.1										8	8			
[redacted]				.4	.1	.2	.2	.2	.1									12	12			
[redacted]			.4	.1	.2	.2	.2	.1										14	14			
[redacted]		.6	.7	.1	.2	.2	.6	.3										24	24	4		
[redacted]		.7	.2	.1	.3	.2	.5	.6										26	29	20	3	
[redacted]		.8	.1	.7	.1	.3	.2	.9										22	22	16	13	
[redacted]		1.1	.3	.1	.4	1.1	.2	.6										37	37	23	20	
[redacted]		.4	.4	.6	.7	.9	.3											37	37	27	16	
[redacted]		.3	.9	.0	.4	1.4	.7	.3										37	37	21	10	
[redacted]	.1	.7	.7	.3	.3	.9	.4	.2										29	29	19	23	
[redacted]	.1	.4	.9	.3	1.1	1.4	.7											38	38	37	20	
[redacted]		.6	1.1	.7	2.3	1.1	.6											56	56	32	22	
[redacted]		.7	.4	1.1	2.4	1.1												47	47	16	14	
[redacted]		.2	1.1	1.5	.6	.4	.1											41	41	36	28	
[redacted]		.7	1.2	1.1	.8	.8												51	51	56	22	
[redacted]	.1	1.3	1.1	2.3	1.3	.2												65	65	72	38	
[redacted]	.1	.2	2.2	3.1	1.4													71	71	67	42	
[redacted]		1.2	2.1	4.3	.4													72	72	57	35	
[redacted]	.1	1.3	3.1	1.6	.3													59	59	68	36	
[redacted]		1.1	2.3	1.2	.1													43	43	95	58	
[redacted]		1.4	1.4	.4														30	30	70	100	
[redacted]	.1	1.4	1.1	.1														24	24	54	53	
[redacted]	.1	.7	.7															13	13	36	67	
[redacted]		.1	.2															3	3	17	68	
[redacted]		.3	.4															7	7	8	40	
[redacted]		.1	.2															3	3	4	67	
[redacted]		.7	.2	.1														9	9	5	44	
[redacted]			.3															3	3	6	25	
[redacted]		.3	.1															4	4	3	17	
[redacted]			.1															1	1	6	8	
[redacted]			.1															1	1	1	9	
[redacted]																				1	2	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] 2 CHICAGO-O'HARE IAP IL 74-83 MAY
STATION STATION NAME YEARS MONTH

PAGE 2 1200-1400 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
8/ 7																							1	
6/ 5																								1
4/ 3																								2
2/ 1																								1
0/ -1																								3
-2/ -3																								5
-4/ -5																								
TOTAL	1.4	1.8	2.4	2.1	2.1	4.4	1.[illegible]	[illegible]	5.7	3.4		.1									900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel Hum	3793059	56949	62.7	16.760	900							
Dry Bulb	2 21574	41254	45.8	2.[illegible]52	900		9.8	4.6	1.2			90
Wet Bulb	1545007	36278	40.3	10.687	900		21.2					90
Dew Point	1115706	29692	32.9	12.859	900	.9	51.2					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7953 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | NOV MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
74/ 73					.1		.1	.1		.1								4	4		
72/ 71					.1		.1	.2										4	4		
70/ 69				.2	.6	.2	.3			.1								13	13		
68/ 67			.1	.7	.7	.2	.2	.3	.1									21	21		
66/ 65		.2	.2	.3	.3	.2	.1		.1									20	20	1	
64/ 63		.2	.1	.3	.3	.4	.4	.1										20	20	14	1
62/ 61		.4	.4	.6	.4	.3	.6	.3	.1									30	30	24	9
60/ 59		.2	.4		.4	.4	.2	.6										33	33	15	16
58/ 57		.5	.5	.1	.7	.4	.2	.2	.1									31	31	29	20
56/ 55	.1	1.0	.2	.4	.6	.2	.7		.1									38	38	21	17
54/ 53		.4	.7	.3	.3	.2	.3	.2										29	29	34	23
52/ 51		.4	.6	.2	.4	1.3	.2											42	42	20	15
50/ 49		.4	.4	.4	1.3	.2	.2											38	38	31	21
48/ 47		.1	.4	1.2	2.1	.4	.2											41	41	34	18
46/ 45		.7	1.7	2..	.2	.2												49	49	33	16
44/ 43		1.4	1..	.4	.7	.2												48	48	43	20
42/ 41	.2	1.4	1.4	3.4	1.3	.2												74	74	67	33
40/ 39	.1	1.4	1.7	2.7	.9													61	61	72	32
38/ 37		1.2	1.2	3.4	.1													64	64	57	39
36/ 35	.3	1.2	3..	2.6	.6													75	75	74	55
34/ 33	.2	1..	1.2	1.2	.2													41	41	88	46
32/ 31		1.2	2.2	1.1														47	47	64	79
30/ 29	.1	.2	1.3	.2	.1													24	24	65	61
28/ 27	.1	1.2	1.2															23	23	39	67
26/ 25		.2	.4															11	11	37	66
24/ 23		.2	.3															5	5	16	39
22/ 21		.1	.2															3	3	6	55
20/ 19	.1	.6	.1	.1														9	9	9	64
18/ 17		.1	.2															3	3	6	33
16/ 15			.1															1	1	1	19
14/ 13		.2																2	2	3	10
12/ 11		.2																2	2	3	8
10/ 9		.3																3	3	3	4
8/ 7																				2	2

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Num.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 24 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723 3 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | NOV MONTH

PAGE 2 ~~1500-1700~~ HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
4/ 7																					2
2/ 1																					8
-1/ -3																					3
-4/ -5																					2
-6/ -7																					1
TOTAL	.1	.4	2.1	.7	2.4	3.5	3.3	12.6	8.3	5.2	2.1	.6	.2								900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7923129	57518	63.9	16.583	900							
Dry Bulb	1924376	40154	44.6	12.158	900		17.2	8.2	.9			90
Wet Bulb	1502680	35464	39.4	10.820	900		24.3					90
Dew Point	1077741	29039	32.3	12.519	900	.6	51.9					90

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72383 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
NOV — MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67			•2	•1														3	3		
66/ 65		•1	1•4	•1														15	15		
64/ 63		•2	•4	•3	•3													10	10	7	2
62/ 61	•1	•2	•4	•3	•2	•2		•1										20	20	14	5
60/ 59		1•4	1•	•4	•4	•2	•2											34	34	9	10
58/ 57		•2	•7	•7	•3	•2	•2											27	27	21	14
56/ 55	•3	1•7	•3	•6	•6	•6	•1											37	37	26	28
54/ 53		•2	•3	•7	•8	•2												30	30	32	13
52/ 51	•1	•2	1•2	•3	1•1		•1											34	34	24	19
50/ 49		•2	•5	•7	•1	•1	•1											32	32	24	22
48/ 47		•3	•4	•1	•6	•4	•1											25	25	36	23
46/ 45		•2	1•2	1•2	1•2	•2												50	50	31	19
44/ 43		•3	•1	1•4	•7													56	56	31	22
42/ 41	•1	2•1	2•3	1•3														58	58	32	23
40/ 39	•4	1•2	2•7	1•4	•2													65	65	74	38
38/ 37		1•2	3•3	2•	•1													65	65	74	49
36/ 35	•3	3•2	4•7	•6	•3													88	88	55	52
34/ 33	•1	1•2	2•2	•4														42	42	89	58
32/ 31		4•	4•2	•6														79	79	65	67
30/ 29	•1	1•1	2•1	•1														32	32	78	57
28/ 27	•1	1•7	1•2	•1														29	29	85	67
26/ 25		1•2	•8															20	20	96	69
24/ 23		2•2	•5															25	25	23	46
22/ 21	•1	•8																9	9	28	47
20/ 19	•4	•8	•3															11	11	7	55
18/ 17		•3																3	3	4	31
16/ 15		•1																1	1	6	25
14/ 13		•1																1	1	1	18
12/ 11		•2																2	2	1	6
10/ 9		•2																2	2	2	3
8/ 7		•8																4	4	6	4
6/ 5																					5
4/ 3																					4
2/ 1																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | NOV MONTH

PAGE 2 1830-2000 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
- / -T																					1
TTAL	2	34	436	218	98	82	23	09	01												900
																	900		900		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4747811	68539	71.7	13.312	900							
Dry Bulb	1633169	36929	41.0	11.887	900		21.7	.3				22
Wet Bulb	1367204	33714	37.5	10.770	900		31.2					97
Dew Point	1055678	28969	32.2	12.188	900	.3	50.3					90

USAFETAC FORM 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7[illegible] 3 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
NOV — MONTH

PAGE 1
2100-2300 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 67			.2	.1														3	3		
66 / 59		.1	.4	.1														6	6		
[illegible] / 67		.3	.7																6	4	
[illegible] / 61		.9	.4	.7	.6													16	16	10	5
[illegible] / 59		.1	.2	.4	.6	.2												23	23	8	10
[illegible] / 57		.6	.9	.1	.1	.2												36	36	20	9
5[illegible] / 55	.3	.2	.4	.3	.2	.2	.1											30	30	30	34
[illegible] / 53		.9	.1	.6	.4	.6												32	32	28	12
[illegible] / 51	.1	.7	.3	.0	.7	.1												28	28	21	13
[illegible] / 4[illegible]		.6	.5	.8	.1	.1												22	22	38	19
[illegible] / 47		.9	.8	.7	.7	.1												24	24	18	27
[illegible] / 45		.7	.1	.6	.3	.4	.1											36	36	25	21
[illegible] / 43		.3	.4	.6	.1													49	49	39	18
[illegible] / 41		.0	.6	.5	.1													57	57	37	25
[illegible] / [illegible]	.3	.1	.9	.1														58	58	51	35
[illegible] / 37	.5	.2	.4	.1	.1													63	63	70	43
[illegible] / 35		.9	.9	.7	.2													83	83	57	39
3[illegible] / [illegible]	.1	.7	.1	.6														54	54	92	47
[illegible] / [illegible]	.1	.3	.3															58	58	87	95
[illegible] / 2[illegible]	.3	.6	.9															41	41	73	89
[illegible] / 27		.3	.3															39	39	68	78
[illegible] / 25		.2	.3															35	35	46	71
[illegible] / 23	.1	.7	.2															18	18	42	46
[illegible] / 21	.2	.2	.2															22	22	12	56
[illegible] / [illegible]	.3	.9	.1															12	12	23	59
[illegible] / 17		.6																5	5	11	23
[illegible] / 15		.3																3	3	5	23
[illegible] / 13		.3																3	3	2	19
[illegible] / 11		.2																2	2	3	8
[illegible] / [illegible]		.3																3	3	2	1
[illegible] / 7		.3																3	3	4	3
[illegible] / [illegible]																				2	6
[illegible] / [illegible]																					9
[illegible] / [illegible]																					6

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7?53 ? STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | NOV MONTH

PAGE ? 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	[illegible]																	900	900	900

Element (X)	$\Sigma_n X'$	$\Sigma_n X$	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 88 F	≤ 93 F	Total
Rel. Hum.	5161215	47249	78.7	12.318	900							
Dry Bulb	1509123	35375	39.3	21.492	900		29.9	.3				90
Wet Bulb	1290489	32655	36.3	20.841	900		36.0					90
Dew Point	1031436	28472	31.6	22.358	900		54.3					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7453 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
NOV — MONTH

PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31					Dry Bulb	Wet Bulb	Dew Point
76/ 75						•		•													3	3		
74/ 73					•	•	•	•	•												13	13		
72/ 71					•	•	•	•													15	15		
70/ 69					•	•	•	•													30	30		
68/ 67				•	•	•	•	•	•												47	47		
66/ 65			•	•	•	•	•	•	•												75	75	6	
64/ 63	•	•	•	•	•	•	•	•													101	101	51	7
62/ 61	•	•	•	•	•	•	•	•													148	148	96	41
60/ 59	•	1	•	•	•	•	•	•													216	216	122	102
58/ 57	•	1	•	•	•	•	•	•	•												247	247	176	135
56/ 55	•	1	•	•	•	•	•	•	•												253	253	177	175
54/ 53	•	•	•	•	•	•	•	•													222	222	211	138
52/ 51	•	1	•	•	•	•	•														255	255	177	138
50/ 49	•	•	•	•	•	•	•														257	257	227	145
48/ 47		•	•	•	•	•	•														253	253	247	155
46/ 45	•	1	1	1	1	•	•														338	338	298	165
44/ 43	•	1	1	1	1	•															377	377	306	188
42/ 41	•	1	2	2	1	•															429	429	373	258
40/ 39	•	1	2	2	1	•															465	465	455	268
38/ 37	•	2	2	2	1	•															502	502	504	305
36/ 35	•	2	3	3	1	•															579	579	470	337
34/ 33	•	1	3	3	1	•	•														537	537	678	383
32/ 31	•	1	4	5	2	1															554	554	588	688
30/ 29	•	2	2	3	1	•	•														291	291	698	471
28/ 27	•	2	2	4	•	•															256	256	388	549
26/ 25	•	2	2	3	•																230	230	383	561
24/ 23	•	1	1	1																	116	116	220	351
22/ 21	•	2	•	2																	95	95	135	858
20/ 19	•		1	•	•																129	129	115	934
18/ 17	•	1	•	1																	54	54	95	238
16/ 15	•		•	•																	24	24	38	156
14/ 13	•		•	2	•																19	19	21	138
12/ 11	•	1	•	2	•																18	18	23	78
10/ 9	•	1	•	2																	23	23	23	29

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7353 C STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | MON MONTH

PAGE 2 | ALL HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31					
-/ 7		•																	13	13	21	12
-/ 5		•																	3	?	9	18
-/ 3		•																	10	1	6	24
-/ 1		•																	3	3	6	20
/ -1																					1	10
- / -3																						17
-1/ -5																						12
-3/ -7																						3
-5/ -9																						1
-9/-11																						3
-1/-13																						1
TOTAL	3.4	.7	29.7	13.9	6.9	3.7	1.7	.7	.1	.2									72.0			72.0
																			7200		7200	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	39391946	521798	72.5	18.795	7200							
Dry Bulb	1292684	292380	40.6	12.099	7200		183.8	10.8	1.6			720
Wet Bulb	10743851	266991	37.1	11.977	7200	.1	268.9					720
Dew Point	9410267	229609	31.9	12.298	7200	4.7	526.9					720

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72353 2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 78-83 (YEARS) DEC (MONTH)

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65																		2	2		
64/ 63																		3	3	1	
62/ 61																		2	2	4	3
60/ 59																		6	6	3	2
58/ 57																		3	3	5	4
56/ 55																		4	4	3	4
54/ 53																		3	3	4	5
52/ 51																		5	5	1	3
50/ 49																		7	7	7	1
48/ 47																		10	10	5	6
46/ 45																		10	10	11	9
44/ 43																		7	7	7	8
42/ 41																		10	10	7	7
40/ 39																		21	21	7	2
38/ 37																		50	50	29	4
36/ 35																		70	70	54	27
34/ 33																		81	81	73	47
32/ 31																		104	104	78	72
30/ 29																		56	56	72	69
28/ 27																		42	42	74	28
26/ 25																		63	63	62	65
24/ 23																		33	33	61	37
22/ 21																		59	59	62	62
20/ 19																		66	66	85	85
18/ 17																		37	37	47	60
16/ 15																		23	23	39	53
14/ 13																		26	26	20	29
12/ 11																		9	9	26	33
10/ 9																		21	21	12	30
8/ 7																		21	21	22	21
6/ 5																		9	9	17	14
4/ 3																		10	10	12	17
2/ 1																		21	21	20	18
0/ -1																		10	10	12	18

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-83 CHICAGO-O'HARE IAP IL 78-83 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 1003-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
-1/-3	.3	.4																7	7	7	15
-4/-5		.2																3	3	3	14
-6/-7		.1																1	1	3	13
-8/-9	.3																	3	3	3	10
-10/-11	.3																	3	3	3	9
-12/-13																					1
-14/-15	.2																	2	2	2	3
-16/-17	.1																	1	1	1	8
-18/-19	.3																	3	3	3	5
-20/-21	.1																	1	1	1	1
-22/-23	.2																	2	2	2	8
-24/-26																					1
-27/-27																					3
-28/-29																					1
-30/-33																					3
TOTAL	1.9	.6	.8	.3	.2	.3		.5										93			930
																		930		930	

Element (E)	$\Sigma E'$	ΣE	$\bar{E}$	σ_E	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	561[illegible]955	71[illegible]1	76.6	13.79[illegible]	930							
Dry Bulb	7938[illegible]	24248	26.1	13.173	930	3.6	63.6					93
Wet Bulb	703513	22663	24.4	12.759	930	4.0	70.9					93
Dew Point	560665	18291	19.6	13.778	930	10.5	79.8					93

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72653 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
70-83 — YEARS
DEC — MONTH

PAGE 1 — 0300-2500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
67 / 67			•																2	2		
66 / 66		•	1																1	1		
64 / 62																					3	1
/ 61			•																3	3		
/ 59																					3	3
/ 57			•																3	3	3	
56 / 55			1	•															6	6	1	1
54 / 53			•	•	•			•											6	6	8	6
/ 51			•	•	•			•											6	6	4	3
/ 49			•	•	•														3	3	5	5
47 / 47			•	•															5	5	8	8
46 / 45		•	1	1			•												13	13	8	9
44 / 43		•	1	•		•													4	4	12	14
42 / 41				•	•														7	7		2
40 / 39		•		•	9	1	•												21	21	5	3
38 / 37		•	6	1	•	1	•	•											45	35	29	3
36 / 35		•	4	6	•	1	•												83	83	43	19
34 / 33		1	•	6	5	1	•												54	48	8	5
/ 31		•	3	6	2	•	•												32	32	81	83
/ 29		•	•	2	2	•													56	56	75	57
/ 27		•	•	4	7	•	•												55	55	66	43
26 / 25			•	6	6	•	•												65	65	63	59
24 / 23		•	•	2	•	•													36	36	81	35
22 / 21		1	•	2	3	•	•												41	41	93	67
/ 19		2	•	4	•	•	•												72	72	99	95
/ 17		•	•	2	7	•	•												35	35	52	58
16 / 15		•	•	2	•	1	•												24	24	39	42
14 / 13		•	•	1	•	7													18	18	17	32
12 / 11		•	4	1	•	4	•	1											19	19	26	38
/ 9		•	•	1	•	8	•	•	1										22	22	24	25
/ 7				•	•														7	7	16	19
6 / 5		•	1	2	•	•													26	26	19	11
4 / 3		•	9	•	1	•													11	11	22	24
/ 1		•	•	1	•	1													19	19	19	19

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 3 7 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
DEC — MONTH

PAGE 2 — 0300-0500 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ -1	•																	9	9	10	12
-1 / -3	•5	•4																7	7	4	13
-1 / -5	•	•0																13	17	15	18
- / -7	•4	•5																7	7	10	11
- / -9	•1																	1	1	1	15
-1 / -11	•2																	1	1	1	9
-1 / -13	•3																	3	9	3	9
-1 / -15	•3																	3	3	3	3
-1 / -17																					8
-1 / -19																					6
-1 / -21	•																	2	2	2	
-2 / -23	•1																	1	1	1	3
-2 / -25																					6
-2 / -27																					3
TOTAL	5	67	14	•5	•2	•1												93			930
																		930		930	

Element (X)	Σ_R'	Σ_R	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5u243.2	72779	78.3	11.812	930							
Dry Bulb	766521	236.7	25.4	3.419	930	4.7	69.2	.2				93
Wet Bulb	6*6107	22197	23.9	2.972	930	4.8	71.8					93
Dew Point	558069	18038	19.4	4.971	930	10.7	80.2					93

FORM AA Ser 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 3 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) DEC (MONTH)

PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]		.2																2	2		
[illegible]		.4	.1															5	5	3	1
[illegible]		.1																1	1	4	3
[illegible]		.6																6	6	2	4
5[illegible]		.1	.1															2	2	5	2
[illegible]		.2	.2	.1														10	10	4	4
[illegible]	.1	.4	.1		.4													10	10	8	9
5[illegible]		.6																6	6	5	4
4[illegible]	.1	.3																4	4	8	8
8[illegible]		.2	.1	.3	.2													11	11	4	5
24[illegible]	.1	.5	.1															7	7	15	10
[illegible]	.1	.4	.3															8	8	4	4
4[illegible]		1.0	.4															13	13	6	3
3[illegible]	.0	.9	.4	.1														21	21	22	7
[illegible]	.8	4.8	1.[illegible]	.3														68	68	25	21
84[illegible]	1.1	6.5	2.8	.1														97	97	70	28
[illegible]	.8	7.[illegible]	3.[illegible]	.1														100	100	93	69
[illegible]	.8	4.2	1.7															62	62	80	54
[illegible]	.2	8.2	.9															48	48	75	67
[illegible]	.1	5.8	.2															59	59	88	60
[illegible]	.6	3.[illegible]	.3															46	46	82	32
[illegible]	1.4	2.5																39	39	56	76
[illegible]	1.[illegible]	5.1	.2															64	64	37	78
[illegible]	.9	3.1	.3															40	40	58	51
[illegible]	.1	2.5																27	27	28	42
[illegible]	.5	1.6																20	20	25	41
[illegible]	.[illegible]	1.[illegible]	.2															19	19	21	41
[illegible]		1.3																12	12	15	28
[illegible]	.[illegible]	1.8	.1															16	14	15	19
[illegible]	.4	1.1																14	14	17	11
[illegible]	.6	1.6																21	21	14	19
[illegible]	1.[illegible]	1.1																19	19	30	16
[illegible]	1.2																	11	11	13	7
[illegible]	.3	.2																5	5	3	15

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] (CHICAGO-O'HARE IAP IL) 78-83 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 ~~0600-0800~~ HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-[illegible]/-5	1.	.7																15	15	16	19
-[illegible]/-7	1.																	9	5	10	7
-[illegible]/-9	.3																	3	3	3	8
-[illegible]/-11	.1																	1	1	1	13
-1[illegible]/-13	.4																	4	4	4	8
-1[illegible]/-15	.2																	2	2	2	3
-1[illegible]/-17																					16
-[illegible]/-19																					5
-[illegible]/-21	.1																	1	1	1	
-2[illegible]/-23	.1																	1	1	1	1
-2[illegible]/-25	.1																	1	1	1	6
-[illegible]/-33																					1
-3[illegible]/-35																					2
TOTAL	1	.[illegible]	.[illegible]	.[illegible]	1.	.5													930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5[illegible]21895	72757	78.2	11.821	930							
Dry Bulb	755555	23243	25.	13.711	930	5.3	65.9					93
Wet Bulb	677262	21870	23.5	13.200	930	5.5	78.5					93
Dew Point	550014	17698	19.0	15.297	930	11.3	81.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72353 CHICAGO-O'HARE IAP IL 78-83 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
68/67		.2																2	2		
66/65		.1																1	1	3	1
64/63			.1	.1														2	2		2
62/61		.2	.2	.1	.1													6	6		
60/59		.2		.1														3	3	3	
58/57		.4	.2															6	6	5	3
56/55		.6		.2														8	8	8	6
54/53		.5	.2		.2													9	9	7	6
52/51	.1	.8			.1													6	6	7	9
50/49		.2			.1													3	3	8	7
48/47		.2	.1		.3													7	7	1	5
46/45		.4	.3	.1														8	8	5	5
44/43		.4	.4	.2														16	16	9	2
42/41		.4	.3	.2														13	13	10	5
40/39	.1	1.0	1.3	.5	.3													35	35	19	7
38/37	.2	2.2	1.3	.1														40	40	24	10
36/35	1.0	4.8	3.1	.8														89	89	52	28
34/33	.3	6.6	3.1	.6	.1													100	100	94	28
32/31	.3	7.6	4.3	.5	.2													121	121	96	86
30/29	.1	3.4	1.8	.2														57	57	113	69
28/27	.5	4.2	1.1	.1														55	55	74	76
26/25	.4	3.1	2.2															53	53	56	58
24/23	.3	1.7	1.1															29	29	54	48
22/21	.5	1.4	.5															28	28	38	70
20/19	.6	4.8	.1															52	52	32	66
18/17		2.4	.8															26	26	85	29
16/15	.1	1.6	.7															19	19	27	35
14/13	.1	1.7	.1															18	18	10	41
12/11	.2	1.0	.1															12	12	23	45
10/9	.1	1.4	.1															15	15	13	32
8/7	.1	2.4																23	23	19	12
6/5		1.3																12	2	20	8
4/3	.2	1.2																13	13	13	15
2/1	.1	1.2																10	10	13	18

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7[illegible]3 C STATION | CHICAGO O'HARE IAP IL STATION NAME | 74-83 YEARS | DEC MONTH

PAGE 2 ~~0000-1159 HOURS (L.S.T.)~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
/ -1	.	.[illegible]																	10	10	11	19
-2/ -3	.[illegible]	.[illegible]																	9	9	1[illegible]	1[illegible]
-4/ -5	.1	.4																	5	5	5	10
-6/ -7	.[illegible]																		2	2	4	6
-8/ -9	.3																		3	3	3	10
-10/-11	.1																		1	1	1	8
-12/-13																						9
-14/-15																						7
-16/-17																						4
-18/-19	.2																		2	2	2	8
-20/-21	.1																		1	1	1	5
-22/-23																						3
-24/-25																						1
-36/-37																						2
TOTAL	.5	.6	.2	.2	.3														93[illegible]			93[illegible]
																			930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	53[illegible]9639	69150	74.3	13.296	930							
Dry Bulb	88552[illegible]	26[illegible]14	28.[illegible]	13.035	930	3.3	57.6	.2				93
Wet Bulb	770706	24108	25.9	12.526	930	3.7	67.5					93
Dew Point	600907	19161	20.6	19.896	930	9.8	80.2					93

FORM AF 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72532 CHICAGO-O'HARE IAP IL 73-83 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible]		.1																1	1			
[illegible]		.2																2	2	2	1
[illegible]		.1		.2	.1	.1												5	5	1	2
[illegible]		.8	.2	.2	.1	.2												11	11	1	
[illegible]		.8	.3															7	7	0	1
[illegible]		.4																4	4	9	5
[illegible]		.5		.3	.2	.1												11	11	6	9
[illegible]		.3		.2	.3	.3												11	11	8	9
[illegible]		.1	.1		.2	.2												6	6	6	5
[illegible]				.1	.1													3	3	3	4
[illegible]		.3	.1	.4	.4													12	12	3	
[illegible]		.1	.2	.4	.2	.2												16	16	15	3
[illegible]		.2	.2	1.	.3	.2												26	26	8	12
[illegible]			.8	1.0	.3	.1												29	29	17	3
[illegible]		2.8	1.7	1.														47	47	17	6
[illegible]	.1	2.8	2.5	1.1	.1	.2												61	61	54	19
[illegible]	.5	4.7	3.	2.3	.2													96	96	61	38
[illegible]	.4	6.6	4.6	1.5														119	119	99	34
[illegible]	.3	6.6	3.2	2.4	.2													109	109	104	66
[illegible]	.5	1.7	2.6	.4														49	49	111	89
[illegible]	.1	1.6	2.9	.1														38	38	57	81
[illegible]	.2	2.5	1.2															43	43	62	56
[illegible]	.2	1.1	1.4	.1														26	26	53	45
[illegible]	.2	1.9	1.1	.1														30	30	29	52
[illegible]		2.6	1.7	.2														42	42	25	70
[illegible]		1.7	.9															28	28	36	39
[illegible]		1.1	.1															13	13	30	34
[illegible]		.5	.2															10	10	17	42
[illegible]		.2	.3															10	10	11	30
[illegible]		1.2	.3															14	14	8	27
[illegible]		1.2																11	11	16	27
[illegible]		1.																9	9	11	8
[illegible]		1.																9	9	12	21
[illegible]	.1	1.2																12	12	19	7

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 78-83 YEARS | DEC MONTH

 ~~1200-1800 HOURS (L.S.T.)~~

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31					
/-1	•																	2	2	6	11
-2/-3																					9
-4/-5			•															6	6		11
-6/-7	•		•															3	3	8	18
-8/-9																				1	9
-10/-11																					12
-12/-13	•																	1	1	1	5
-14/-15	•																	1	1	1	1
-16/-17	•																	1	1	1	2
-18/-19																					6
-20/-21																					8
-22/-23																					1
-24/-25																					2
-26/-27																					1
TOTAL	3.	46.	731.	138.	7.	1.	1.	7											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 88 F	≤ 93 F	Total
Rel. Hum.	4579326	63882	68.7	9.910	930							
Dry Bulb	1093631	28867	31.0	12.605	930	1.4	46.3	.1				93
Wet Bulb	866730	26124	28.1	11.961	930	1.8	61.6					93
Dew Point	627332	19982	21.5	14.599	930	8.7	77.9					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | DEC MONTH

PAGE 1 | ~~1500-1700~~ HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
7 / 71			•1															1	1		
7 / 69		•1																1	1		
69 / 67																				2	1
67 / 65		•1		•1														2	2		1
65 / 63			•1	•5														6	6	1	1
/ 61			•4	•2	•1													6	6		
/ 59		•1	•4	•1														6	6	4	
/ 57		•2	•1	•1														5	5	10	2
57 / 55		•2		•3	•1	•2												6	6	8	8
54 / 53		•2		•6	•4													12	12	4	10
/ 51		•2	•1	•1	•2	•1												8	8	4	5
51 / 49			•5	•4		•1												10	10	4	5
49 / 47		•1	•3	•2	•2													8	8	8	1
47 / 45		•3	•4	•3	•2	•1												13	13	14	2
44 / 43		•2	•6	•8	•1	•1												20	20	11	12
43 / 41		•2	•4	1•3	•3	•1												23	23	11	8
41 / 39	•1	1•	2•3	1•1	•3													44	44	20	12
39 / 37	•	3•1	2•7	•5	•1	•1												63	63	30	15
37 / 35	•	4•5	2•6	1•6	•1													85	85	74	25
34 / 33	•	5•6	3•3	1•4	•1													116	116	86	36
33 / 31	•	6•5	4•7	1•7														125	125	99	81
31 / 29	•5	1•8	2•4	•3														51	51	132	59
29 / 27	•3	1•4	2•6	•1														45	45	58	104
27 / 25	•3	1•7	1•4															32	32	64	66
24 / 23	•4	2•4	•6	•1														30	30	46	38
23 / 21	•4	1•8	1•6	•2														32	32	29	46
/ 19		2•5	2•	•1														43	43	23	69
19 / 17		1•2	•4															17	17	39	49
16 / 15		1•4	•2															15	15	27	38
14 / 13		1•4	•2															15	15	16	33
12 / 11	•1	1•4	•4															18	18	16	20
11 / 9		1•3	•2															18	18	16	26
8 / 7		1•4																15	15	18	16
6 / 5		1•1																10	10	15	22

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AWS 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7353 C — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
DEC — MONTH

PAGE 2 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
4/ 3		.P																7	7	8	18
2/ 1	.1	.0																10	10	13	17
/ -1		.0																2	2	5	9
- / -3		.1																1	1	1	15
-4/ -5		.3																3	2	1	19
-6/ -7	.3	.1																4	4	7	8
-8/ -9	.2																	2	2	2	8
-10/-11	.4																	4	4	4	9
-12/-13																					4
-14/-15																					3
-16/-17																					4
-18/-19																					6
-20/-21																					4
-22/-23																					1
-24/-25																					
TOTAL	4.2	86.6	3	4.	1	2.	2	.4	.0									930	930	930	930

Element (X)	Σx^1	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4080723	64727	69.6	3.865	930							
Dry Bulb	1065918	28240	30.4	2.639	930	1.6	49.5	.2				93
Wet Bulb	869718	25644	27.6	1.970	930	2.0	63.9	.2				93
Dew Point	613827	19745	21.2	3.474	930	8.8	79.0	.1				93

USAFETAC FORM 0-26-5 (OL A) 8/64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 [illegible] 3 C — STATION — CHICAGO-O'HARE IAP IL — STATION NAME — 74-83 — YEARS — DEC — MONTH

PAGE 1 — 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31		Dry Bulb	Wet Bulb	Dew Point
66 / 55		.1																1	1			
64 / 63		.1																1	1	1	1	
62 / 61	.1		.2															3	3	2	2	
6[illegible] / 59		.6	.6															12	12	2	1	
58 / 57		.4																4	4	12	2	
56 / 55		.5	.1															6	6	7	11	
54 / 53		.1		.1	.2	.1												5	5	2	7	
52 / 51	.1	.1	.3															5	5	3	3	
50 / 49		.2	.4	.2														8	8	1	3	
48 / 47	.1	.4	.2	.2														9	9	8	1	
46 / 45		.3	.3	.1	.1													8	8	11	4	
44 / 43	.1	.5	.2	.1														15	15	9	10	
42 / 41	.1	.9	.5	.4	.1	.1												20	20	10	7	
40 / 39		.8	1.2	.1	.3	.1												23	23	18	6	
38 / 37	.4	2.8	1.9	.1														49	49	22	17	
36 / 35	.2	5.5	2.6	.1														78	78	53	18	
34 / 33	.1	5.8	4.5	.1														96	96	78	46	
32 / 31	.6	7.4	7.1	.5														136	136	95	67	
30 / 29	.0	2.8	2.2															57	57	129	64	
28 / 27	.5	3.6	1.3															50	50	55	85	
26 / 25	.1	3.9	.6															43	43	69	65	
24 / 23	.3	2.6	.1															26	26	49	50	
22 / 21	.0	3.5	.6															44	44	36	53	
20 / 19	.0	4.5	.5															53	53	38	72	
18 / 17		1.9	.8															20	20	43	44	
16 / 15		1.4	.4															17	17	19	36	
14 / 13		1.2																11	11	20	45	
12 / 11	.1	1.6	.1															17	17	12	18	
10 / 9		3.3																31	31	24	19	
8 / 7		1.9																18	18	26	20	
6 / 5		.9																8	8	20	10	
4 / 3	.1	1.5																17	17	11	23	
2 / 1	.2	.9																10	11	14	16	
0 / -1	.4	.2																6	6	8	27	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7253 2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS) OCT (MONTH)

PAGE 2 1800-2000 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-4 / -5		.1																3	1	3	13
-6 / -7																				2	18
-8 / -9	.3																	3	1	3	8
-10 / -11	.3																	3	3	3	8
-12 / -13	.1																	7	7	7	8
-14 / -15	.1																	1	1	1	8
-16 / -17																		1	1	1	1
-18 / -19																					2
-20 / -21																					3
-22 / -23																					1
-24 / -25																					8
-26 / -27																					2
-28 / -29																					1
TOTAL	.8	6.8	24.5	2.2	.8	.3													927		927
																		927		927	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5264185	68923	74.4	12.284	927							
Dry Bulb	676243	25929	28.0	12.769	927	2.4	58.6					93
Wet Bulb	763873	24029	25.9	12.380	927	2.8	69.0					93
Dew Point	5944432	19198	20.7	14.656	927	10.5	79.1					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible] CHICAGO-O'HARE IAP IL 74-83 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2359 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥2[illegible] [illegible]		.2	.1															4	4	2	2
[illegible] 59	.2	.6	.1															9	9	3	3
[illegible] 57	.1		.1															2	2	9	2
5[illegible] 55	.1	.2		.1														5	5	2	8
[illegible] 53		.2		.1														3	3	4	1
[illegible] 51		.4	.4		.1													9	9	2	4
[illegible] 49		.2	.4		.2													8	8	6	5
[illegible] 47		.8	.2															9	9	4	2
[illegible] 45	.1	.3	.2															8	8	14	11
[illegible] 43		.2	.1	.2														6	8	4	9
[illegible] 41		.5	.2	.8														21	21	12	6
[illegible] 39		1.1	1.1	.2														22	22	6	10
[illegible] 37	.3	2.7	1.4	.3	.2													48	48	29	4
[illegible] 35	.3	4.5	2.[illegible]	.2														72	72	44	15
[illegible] 33	.1	6.1	2.7	.1														84	84	80	41
[illegible] 31	.3	7.[illegible]	2.[illegible]	.6														106	106	88	80
[illegible] 29	.5	8.2	2.[illegible]															68	68	92	67
[illegible] 27	.2	4.[illegible]	.[illegible]															49	49	62	58
[illegible] 25	.3	4.5	.3															48	48	75	60
[illegible] 23		4.[illegible]	.[illegible]															42	42	58	41
[illegible] 21	1.6	3.[illegible]	.[illegible]															48	48	47	60
[illegible] 19	.6	6.8	1.[illegible]															78	78	39	81
[illegible] 17	.3	2.8	.1															25	25	65	55
[illegible] 15		1.8																13	13	22	83
[illegible] 13	.2	1.6																17	17	17	45
[illegible] 11	.2	1.6																17	17	15	27
[illegible] 9		1.2																11	11	16	23
[illegible] 7		2.7	.1															26	26	18	15
[illegible] 5	.1	.9																9	9	27	9
[illegible] 3	.4	1.8																22	22	18	21
[illegible] 1	.4	1.2																15	15	21	19
[illegible] -1	.2	.3																5	5	3	16
-[illegible] -3	.1	.1																2	2	5	15
-[illegible] -5		.3																1	1		27

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 88 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 5 3 2 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | OCT MONTH

PAGE 2 | ~~2100-2700~~ HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-5/ -7	.3																	3	3	6	5
-8/ -9	.1																	1	1	1	6
-10/-11	.																	5	5	5	8
-12/-13	.2																	2	2	2	1
-14/-15	.2																	2	2	2	4
-16/-17	.1																	1	1	1	
-18/-19	.1																	1	1	1	6
-22/-23																					2
-24/-25																					6
-26/-27																					1
-28/-29																					1
-30/-31																					1
-32/-33																					1
TOTAL	9.	69.	218.	8	7.	7	.5											927	927	927	927

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5465657	7317	75.9	1.931	927							
Dry Bulb	8233.8	24960	26.9	2.780	927	2.5	61.7					93
Wet Bulb	725529	23257	25.1	2.385	927	2.6	70.4					93
Dew Point	571964	18676	20.1	4.538	927	10.0	80.7					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | DEC MONTH

PAGE 1 | ALL HOURS (C.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31							
72/ 71			•																		1	1		
70/ 69		•	•																		1	1		
68/ 67			•	•																	5	5	2	1
66/ 65			•1	•	•1																9	9	5	3
64/ 63			•1	•	•1	•1	•	•1													19	19	7	9
62/ 61		•	•2	•1	•1	•1	•	•1													40	40	12	8
60/ 59		•	•2	•2	•																44	44	26	13
58/ 57		•	•4	•1	•																23	23	55	42
56/ 55		•	•5	•2	•1	•1	•														21	21	82	51
54/ 53			•3	•1	•1	•1	•1														59	59	41	49
52/ 51		•	•3	•2	•	•1	•1														58	58	35	41
50/ 49			•2	•3	•1	•1	•														48	48	39	38
48/ 47		•	•4	•1	•1	•2															44	44	49	27
46/ 45	•1	•	•3	•1	•1	•															97	87	82	68
44/ 43	•	•	•4	•4	•2	•1	•														103	103	75	77
42/ 41	•	•	•4	•5	•6	•1	•														131	131	71	38
40/ 39	•1	1•2	1•3	•4	•1	•															226	226	98	45
38/ 37	•4	2•2	1•4	•4	•1	•															367	367	235	83
36/ 35	•6	5•1	2•2	•7	•																681	681	806	191
34/ 33	•8	6•2	3•3	•2	•																777	777	660	311
32/ 31	•9	7•1	3•4	•5	•1																891	891	724	604
30/ 29	•	7•1	2•3	•1																	856	856	678	528
28/ 27	•3	3•6	1•2	•																	382	382	521	542
26/ 25	•2	4•2	1•																		406	406	501	485
24/ 23	•3	2•7	•6	•																	270	270	484	324
22/ 21	1•	2•6	•7	•1																	321	321	380	882
20/ 19	•9	4•5	•8	•																	466	466	283	616
18/ 17	•3	2•3	•5																		224	224	381	385
16/ 15	•4	1•8	•2																		151	151	226	323
14/ 13	•2	1•6	•1																		135	135	142	308
12/ 11	•3	1•1	•2																		120	120	144	248
10/ 9	•1	1•6	•1																		140	140	124	210
8/ 7	•1	1•8	•																		137	137	146	149
6/ 5	•1	1•2																			97	97	194	93

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	CHICAGO-O'HARE IAP IL	74-83	DEC

PAGE 2 — HOURS (L.S.T.) ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	.1																110	110	130	158
[illegible]	[illegible]	.1																116	116	148	130
[illegible]	[illegible]	.2																55	55	66	117
[illegible]	[illegible]	.2																34	34	33	113
[illegible]	[illegible]	.2																48	48	40	136
[illegible]	.4	.1																12	12	51	72
[illegible]	.2																	16	16	17	73
[illegible]	.3																	22	22	22	76
[illegible]	.2																	11	11	11	34
[illegible]	.2																	11	11	11	25
[illegible]	.																	3	3	3	36
[illegible]	.1																	6	6	6	39
[illegible]	.1																	5	5	5	17
[illegible]	.1																	4	4	4	28
[illegible]	.																		1	1	22
[illegible]																					7
[illegible]																					4
[illegible]																					1
[illegible]																					9
[illegible]																					4
TOTAL	.6	1.2	2.5	4.5	5.2	.4													7434		7434
																		7434		7434	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum.	42546527	55390.9	74.5	13.198	7434							
Dry Bulb	695136	205138	27.6	13.179	7434	24.8	967.4	.7				748
Wet Bulb	603318	189897	25.5	12.618	7434	27.2	549.6	.2				748
Dew Point	465120?	150685	20.3	19.799	7434	80.9	638.5	.1				748

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7353 | CHICAGO-O'HARE IAP IL | 74-83 | ALL
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31			Dry Bulb	Wet Bulb	Dew Point
102/101											•							1	1			
100/ 99											•	•	•					14	14			
98/ 97									•	•	•	•	•	•	•			25	25			
96/ 95									•	•	•	•	•	•	•			62	62			
94/ 93						•	•	•	•	•	•	•	•	•				149	149			
92/ 91						•	•	•	•	•	•	•	•	•	•			254	254			
90/ 89						•	•	•	•	•	•	•	•	•				440	440			
88/ 87						•	•	•	•	•	•	•	•	•				580	580			
86/ 85					•	•	•	•	•	•	•	•	•	•				820	820			
84/ 83				•	•	•	•	•	•	•	•	•	•	•				1031	1031	16		
82/ 81			•	•	•	•	•	•	•	•	•	•	•					1452	1452	40	1	
80/ 79			•	•	•	•	•	•	•	•	•	•	•	•				1851	1851	160	10	
78/ 77		•	•	•	•	•	•	•	•	•	•	•	•					2223	2223	476	58	
76/ 75		•	•	•	•	•	•	•	•	•	•	•						2775	2775	769	202	
74/ 73		•	•	•	•	•	•	•	•	•	•	•						2896	2896	1714	531	
72/ 71		•	•	•	•	•	•	•	•	•	•	•						2587	2587	2167	1050	
70/ 69		•	•	•	•	•	•	•	•	•	•							2835	2835	2867	1851	
68/ 67	•	•	•	•	•	•	•	•	•	•	•							2856	2856	3219	2448	
66/ 65	•	•	•	•	•	•	•	•	•	•	•							2767	2767	3280	2567	
64/ 63	•	•	•	•	•	•	•	•	•	•	•							2705	2705	3534	2977	
62/ 61	•	•	•	•	•	•	•	•	•	•								2754	2754	3343	2778	
60/ 59	•	•	•	•	•	•	•	•	•	•								2990	2990	3414	3205	
58/ 57	•	•	•	•	•	•	•	•	•									2593	2593	3323	2990	
56/ 55	•	•	•	•	•	•	•	•	•									2496	2496	3013	3129	
54/ 53	•	•	•	•	•	•	•	•	•									2314	2314	2944	3058	
52/ 51	•	•	•	•	•	•	•	•										2357	2357	2687	2987	
50/ 49	•	•	•	•	•	•	•	•										2256	2256	2654	2778	
48/ 47	•	•	•	•	•	•	•	•										2267	2267	2696	2583	
46/ 45	•	•	•	•	•	•	•											2437	2437	2790	2862	
44/ 43	•	•	•	•	•	•	•											2193	2193	2705	2687	
42/ 41	•	•	•	•	•	•												2087	2087	2570	2354	
40/ 39	•	•	•	•	•	•												2521	2521	2552	2898	
38/ 37	•	•	•	•	•	•												2719	2719	2900	2476	
36/ 35	•	•	•	•	•	•												3868	3868	3117	2811	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 84-84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7293 3 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — YEARS
ALL — MONTH

ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
34/ 33	.1	2.1	1.7	.3	.													3416	3416	3892	3354
36/ 35	.2	2.4	1.3	.3	.1													3693	3693	3515	4777
38/ 37	.	1.7	.9	.1	.													213	213	3595	3229
40/ 39	.1	1.4	.5	.														1862	1862	2897	3113
42/ 41	.1	1.5	.4	.														1752	1752	2409	2897
44/ 43	.1	.9	.2	.														1095	1095	1928	1960
46/ 45	.3	1.1	.3	.														1381	1381	1471	2480
48/ 47	.3	1.4	.3	.														1788	1788	1265	2862
50/ 49	.1	.9	.2	.														943	943	1452	1806
52/ 51	.	.7	.1															722	722	911	1869
54/ 53	.1	.7	.1															759	759	761	1354
56/ 55	.2	.5	.															640	640	778	1176
58/ 57	.1	.7	.															702	702	698	905
60/ 59	.4	.6	.															595	595	683	832
62/ 61	.	.4																385	385	617	501
64/ 63	.4	.5																508	508	852	668
66/ 65	.1	.5																521	521	601	647
68/ 67	.2	.1																273	273	325	501
-4/ -3	.1	.1																183	183	221	466
-6/ -5	.1	.1																165	165	171	481
-8/ -7	.1	.																110	110	164	381
-10/ -9	.1																	95	95	97	368
-12/-11	.1																	72	72	72	359
-14/-13	.																	24	24	24	186
-16/-15	.																	36	36	36	193
-18/-17	.																	17	17	17	150
-20/-19	.																	14	14	14	163
-22/-21	.																	10	10	10	23
-24/-23	.																	18	18	18	60
-26/-25	.																	4	4	4	40
-28/-27																					26
-30/-29																					15
-32/-31																					4
-34/-33																					19

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Num.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AF WA 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 YEARS | ALL MONTH

PAGE 3 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-5 / -3																					17
-3 / -1																					8
TOTAL	4.2	37.5	22.7	12.8	9.1	6.7	4.7	3.4	2.2	1.2	.6	.2	.1	.0	.0			87642			87642
																		87642		87642	

Element (X)	$\Sigma x_i'$	Σx_i	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	4836305351	6044585	69.3	16.302	87642							
Dry Bulb	2547795181	4332814	49.4	21.517	87642	162.0	2092.3	2285.1	1957.3	580.2	25.1	8760
Wet Bulb	2039355458	3891414	44.4	18.853	87642	117.1	2477.4	1142.2	316.9	10.5		8760
Dew Point	1677086094	3811188	38.9	19.966	87642	350.5	3818.9	818.7	80.2	.8		8760

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72 350 — STATION — CHICAGO-O'HARE IAP IL — STATION NAME — 74-83 — YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV.	DEC	ANNUAL
0-2	MEAN	19.0	23.5	34.2	43.7	52.6	61.8	68.2	67.1	58.9	47.3	38.1	26.1	45.2
	S D	13.41	12.877	11.323	10.981	9.874	8.255	7.546	7.022	8.807	9.814	11.677	13.173	19.532
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
3-5	MEAN	17.3	22.4	32.9	42.2	51.6	60.3	66.8	65.5	57.4	45.8	37.0	25.4	43.9
	S D	13.852	13.325	11.283	10.723	9.690	8.196	7.478	7.194	8.983	9.467	11.603	13.419	19.401
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
6-8	MEAN	17.2	22.1	33.3	44.5	56.6	65.8	71.6	68.9	59.5	46.9	36.9	25.0	45.8
	S D	13.965	13.396	11.124	10.571	9.543	7.448	6.142	6.187	8.857	9.221	11.577	13.711	20.950
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
9-11	MEAN	20.1	26.4	38.8	51.3	64.0	72.7	78.9	76.2	68.0	55.2	42.1	28.0	51.9
	S D	12.887	12.502	11.522	11.613	10.681	7.551	6.290	5.710	8.429	9.055	11.416	13.035	22.266
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
12-14	MEAN	23.7	30.4	42.6	54.8	67.5	75.9	82.4	79.9	72.2	59.8	45.8	31.0	55.6
	S D	12.056	12.215	12.560	12.7 1	11.337	8.274	6.859	6.273	9.211	9.941	12.052	12.605	22.466
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
15-17	MEAN	23.8	30.4	42.7	54.6	66.9	75.5	82.2	79.4	71.5	58.4	44.6	30.4	55.2
	S D	12.123	12.154	12.563	12.959	11.232	8.684	7.092	6.464	9.488	10.054	12.158	12.639	22.457
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
18-20	MEAN	21.2	27.0	38.8	49.6	61.3	70.5	77.2	74.4	65.0	52.7	41.0	28.0	50.7
	S D	12.935	12.119	11.655	12.191	10.866	8.616	6.808	6.299	8.594	9.572	11.487	12.769	21.389
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	927	10953
21-23	MEAN	20.2	25.3	36.4	45.8	55.9	64.8	71.4	69.9	60.9	49.5	39.3	26.9	47.3
	S D	13.036	12.464	11.429	11.169	10.076	8.391	6.871	6.567	8.597	9.987	11.490	12.780	19.983
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	927	10953
ALL HOURS	MEAN	20.4	25.9	37.5	48.3	59.6	68.4	74.8	72.7	64.2	51.9	40.6	27.6	49.4
	S D	13.236	12.998	12.254	12.533	11.943	9.957	8.977	8.315	10.426	10.893	12.099	13.179	21.513
	TOTAL OBS	7440	6768	7440	7200	7440	7200	7440	7440	7200	7440	7200	7434	87624

USAF ETAC FORM OCT 78 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72 330 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS)

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	17.7	21.8	31.8	40.0	48.7	57.3	63.6	63.4	55.5	43.8	35.6	24.4	42.1
	S D	13.088	12.221	10.426	9.654	8.967	7.451	6.918	6.415	8.202	8.818	11.127	12.759	18.323
	TOTAL OBS	93	846	931	900	930	900	930	930	900	930	900	930	10956
03-05	MEAN	16.7	21.0	30.8	39.6	48.3	56.5	63.0	62.4	54.4	42.8	34.7	23.9	41.2
	S D	13.485	12.710	10.527	9.635	9.132	7.688	6.925	6.697	8.544	8.745	11.172	12.972	18.429
	TOTAL OBS	93	846	931	900	930	900	930	930	900	930	900	930	10956
06-08	MEAN	16.0	20.7	31.1	40.7	51.7	60.2	66.1	64.7	56.1	43.7	34.7	23.5	42.6
	S D	13.572	12.819	10.453	9.375	8.732	6.831	5.582	5.620	8.403	8.524	11.151	13.244	19.444
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
09-11	MEAN	18.5	24.2	34.8	44.6	55.5	63.5	69.3	67.6	60.3	48.6	38.3	25.9	46.0
	S D	12.424	11.689	10.198	9.601	8.729	6.479	5.401	5.075	7.615	7.897	10.651	12.526	19.333
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
12-14	MEAN	21.2	27.1	37.0	46.4	56.9	64.5	70.3	68.6	61.4	50.4	40.3	28.1	47.8
	S D	11.446	10.806	10.329	9.807	8.624	6.611	5.554	5.223	7.563	8.010	10.687	11.961	18.714
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
15-17	MEAN	21.3	27.3	37.0	46.0	56.1	63.8	69.8	68.3	60.8	49.7	39.4	27.6	47.3
	S D	11.569	10.749	10.137	9.752	8.524	6.773	5.678	5.366	7.482	8.107	10.820	11.970	18.582
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
18-20	MEAN	19.5	24.7	34.7	43.1	53.0	61.1	67.4	66.4	58.1	46.8	37.5	25.9	45.0
	S D	12.471	11.259	10.065	9.805	8.849	7.169	6.138	5.844	7.530	8.358	10.770	12.340	18.540
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	927	10953
21-23	MEAN	18.7	23.4	33.4	41.1	50.5	58.5	65.3	64.9	56.4	45.0	36.3	25.1	43.3
	S D	12.675	11.752	10.258	9.610	8.834	7.494	6.550	6.110	7.863	8.715	10.841	12.385	18.289
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	927	10953
ALL HOURS	MEAN	18.7	23.7	33.8	42.6	52.6	60.7	66.9	65.8	57.9	46.3	37.1	25.5	44.4
	S D	12.73	11.991	10.548	10.302	9.338	7.636	6.637	6.208	8.292	8.835	11.077	12.618	18.853
	TOTAL OBS	7440	6768	7440	7200	7440	7200	7440	7440	7200	7440	7200	7438	87668

USAF ETAC FORM OCT 70 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS)

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]-04	MEAN	12.0	16.9	27.6	35.3	44.8	53.7	61.1	61.1	52.7	39.8	31.4	19.6	38.1
	S D	15.803	14.027	11.302	10.261	9.880	8.245	7.544	6.807	8.798	9.358	12.259	14.778	19.764
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
[illegible]-05	MEAN	11.0	16.1	26.8	35.0	45.0	53.6	60.7	60.5	52.1	39.3	30.9	19.4	37.6
	S D	16.102	14.603	11.488	10.252	9.929	8.338	7.371	7.004	9.085	9.270	12.311	14.971	19.937
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956
[illegible]-08	MEAN	10.3	16.0	26.9	36.0	47.3	56.3	63.0	62.2	53.5	40.1	31.0	19.0	38.6
	S D	16.059	14.691	11.573	10.199	9.992	7.836	6.377	6.194	9.078	9.146	12.312	15.297	20.733
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
[illegible]-11	MEAN	12.1	18.3	28.4	36.9	48.4	57.4	64.0	62.6	54.7	41.8	32.8	20.6	39.9
	S D	15.149	13.548	11.704	11.237	10.639	8.245	6.997	6.806	9.353	9.392	12.114	14.896	20.398
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
12-14	MEAN	13.8	19.4	28.8	37.0	48.3	57.2	63.8	62.3	53.8	41.2	32.9	21.5	40.1
	S D	14.248	12.559	11.656	11.577	10.711	8.591	7.372	7.194	9.727	9.935	12.454	14.599	19.890
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
[illegible]-17	MEAN	13.8	19.5	28.6	36.3	47.2	56.1	63.0	62.0	52.9	40.5	32.3	21.2	39.5
	S D	14.422	12.524	11.430	11.514	10.870	8.897	7.576	7.444	9.684	10.114	12.514	14.474	19.679
	TOTAL OBS	93[illegible]	846	930	900	930	900	930	930	900	930	900	930	10956
18-20	MEAN	13.3	18.7	28.4	35.2	45.5	54.3	61.0	61.6	52.8	40.5	32.2	20.7	38.8
	S D	15.094	13.066	11.295	11.301	11.043	9.145	8.060	7.513	8.959	9.721	12.188	14.656	19.569
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	927	10953
21-23	MEAN	12.8	18.2	28.4	35.3	45.4	53.9	61.5	61.9	53.0	40.2	31.6	20.1	38.6
	S D	15.274	13.491	11.203	10.714	10.152	8.787	7.876	6.939	8.620	9.466	12.058	14.538	19.598
	TOTAL OBS	93[illegible]	846	930	900	930	900	930	930	900	93[illegible]	900	927	10953
ALL HOURS	MEAN	12.4	17.9	28.0	35.9	46.5	55.3	62.4	61.8	53.2	40.4	31.9	20.3	38.9
	S D	15.321	13.643	11.474	10.916	10.497	8.646	7.485	7.024	9.188	9.578	12.298	14.794	19.966
	TOTAL OBS	7440	6768	7440	7200	7440	7200	7440	7440	7200	7440	7200	7434	87624

USAF ETAC FORM OCT 78 0-09-3 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

2

72930 CHICAGO-O'HARE IAP IL 74-83 JAN

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.7	97.0	82.8	62.0	36.8	8.3	74.2	930
	03-05	100.0	100.0	100.0	100.0	97.8	83.1	60.4	37.4	9.0	74.4	930
	06-08	100.0	100.0	100.0	99.9	98.2	84.5	61.4	35.7	7.5	74.3	930
	09-11	100.0	100.0	100.0	99.2	94.5	76.2	53.4	28.7	5.1	71.3	930
	12-14	100.0	100.0	100.0	98.5	86.8	64.1	36.9	19.6	3.8	66.4	930
	15-17	100.0	100.0	100.0	98.2	86.3	66.6	36.8	17.5	4.6	66.6	930
	18-20	100.0	100.0	100.0	100.0	94.5	79.8	54.5	26.2	5.3	71.5	930
	21-23	100.0	100.0	100.0	100.0	96.6	80.6	58.8	31.4	6.6	73.1	930
	TOTALS	100.0	100.0	100.0	99.4	94.0	77.5	53.0	29.2	6.3	71.5	7440

USAFETAC FORM NO. 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7?83 0 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — PERIOD
FEB — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	97.8	89.5	70.8	36.2	9.8	75.8	846
	03-05	100.0	100.0	100.0	100.0	97.8	91.5	72.3	39.7	10.2	76.7	846
	06-08	100.0	100.0	100.0	100.0	98.8	91.8	75.3	41.5	10.2	77.3	846
	09-11	100.0	100.0	100.0	99.6	95.2	80.1	53.5	26.7	7.4	71.9	846
	12-14	100.0	100.0	99.9	96.6	84.9	58.7	33.5	16.2	3.7	64.9	846
	15-17	100.0	100.0	99.4	96.7	83.0	60.3	34.6	17.5	3.2	65.0	846
	18-20	100.0	100.0	100.0	99.6	94.7	81.4	52.4	25.7	4.4	71.3	846
	21-23	100.0	100.0	100.0	100.0	98.0	88.7	64.1	31.4	7.3	74.6	846
TOTALS		100.0	100.0	99.9	99.1	93.8	80.3	57.1	29.4	7.0	72.2	6768

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72530 CHICAGO-O'HARE IAP IL 74-83 MAR
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.5	98.2	92.3	73.2	43.5	13.3	77.6	930
	03-05	100.0	100.0	100.0	99.7	99.1	94.0	75.5	48.0	16.2	79.0	930
	06-08	100.0	100.0	100.0	100.0	99.1	93.2	71.6	47.1	14.5	78.0	930
	09-11	100.0	100.0	99.6	97.6	84.6	64.7	40.5	24.9	7.5	67.6	930
	12-14	100.0	99.8	97.7	88.1	68.9	45.6	28.5	18.0	5.1	60.6	930
	15-17	100.0	99.7	96.3	85.7	68.9	44.8	27.3	16.5	5.8	60.0	930
	18-20	100.0	100.0	99.4	95.6	85.5	67.0	42.5	24.5	8.1	67.7	930
	21-23	100.0	100.0	99.9	98.8	95.4	83.9	59.6	34.1	10.0	73.9	930
	TOTALS	100.0	99.9	99.1	95.6	87.5	73.2	52.3	32.1	10.1	70.6	7440

USAFETAC FORM AIR 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

[redacted] STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 PERIOD | APR MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	97.7	93.3	81.8	61.1	35.8	11.1	73.7	900
	03-05	100.0	100.0	100.0	99.6	95.4	87.4	70.8	43.0	13.9	76.6	900
	06-08	100.0	100.0	100.0	99.6	93.4	79.2	57.0	34.0	10.4	73.2	900
	09-11	100.0	99.9	97.6	85.4	65.0	46.1	30.2	18.1	5.9	60.5	900
	12-14	100.0	99.0	90.0	71.8	54.3	35.3	21.4	12.7	4.9	54.5	900
	15-17	100.0	98.2	87.1	69.2	53.0	36.0	21.9	13.9	6.0	54.0	900
	18-20	100.0	99.7	95.[illegible]	83.7	65.0	48.2	33.2	19.6	7.8	60.9	900
	21-23	100.0	100.0	99.3	95.2	85.7	65.3	46.8	27.1	10.0	68.7	900
	TOTALS	100.0	99.6	96.1	87.8	75.6	59.9	42.9	25.5	8.8	65.3	7200

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72-300 CHICAGO-O'HARE IAP IL 74-83 MAY
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.9	94.5	81.6	66.2	41.9	12.9	75.6	930
	03-05	100.0	100.0	100.0	100.0	98.4	89.8	76.0	50.5	16.2	79.6	930
	06-08	100.0	100.0	100.0	98.8	92.4	74.4	55.2	32.9	10.3	72.3	930
	09-11	100.0	100.0	96.8	85.2	64.6	42.7	28.3	16.1	4.3	59.5	930
	12-14	100.0	99.2	91.4	73.2	50.3	32.4	18.6	9.1	2.2	53.3	930
	15-17	100.0	99.5	89.8	69.6	46.8	30.1	18.6	11.5	2.3	52.2	930
	18-20	100.0	100.0	95.2	81.7	60.3	42.8	29.4	17.7	4.2	58.9	930
	21-23	100.0	100.0	99.8	96.2	87.1	68.4	48.6	30.5	8.7	69.8	930
	TOTALS	100.0	99.8	96.6	88.1	74.3	57.8	42.6	26.3	7.6	65.1	7440

USAFETAC FORM AWS 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

??-??? CHICAGO-O'HARE IAP IL 74-83 JUN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	98.0	85.0	66.9	39.3	8.2	75.6	900
	03-05	100.0	100.0	100.0	100.0	99.4	92.6	75.6	51.0	11.4	79.2	900
	06-08	100.0	100.0	100.0	99.7	95.0	80.8	55.1	29.7	4.8	72.5	900
	09-11	100.0	100.0	99.6	91.4	71.2	47.3	25.0	11.1	1.2	60.3	900
	12-14	100.0	100.0	97.0	78.7	55.8	32.8	15.6	6.4	.3	54.3	900
	15-17	100.0	100.0	95.2	73.2	51.8	31.6	15.9	6.6	1.0	53.1	900
	18-20	100.0	100.0	98.8	85.6	62.7	44.6	26.3	10.3	1.9	58.7	900
	21-23	100.0	100.0	100.0	98.6	89.0	69.8	49.0	24.9	3.8	69.1	900
	TOTALS	100.0	100.0	98.8	90.9	77.9	60.6	41.2	22.4	4.1	65.4	7200

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

72530 CHICAGO-O'HARE IAP IL 74-83 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

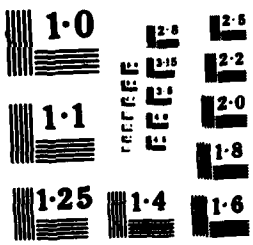
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.6	94.9	78.7	46.7	9.5	78.6	930
	03-05	100.0	100.0	100.0	100.0	99.9	97.2	86.6	56.6	10.3	80.9	930
	06-08	100.0	100.0	100.0	99.9	99.0	88.6	67.4	34.7	4.3	74.8	930
	09-11	100.0	100.0	99.7	96.7	76.9	49.7	23.7	10.8	.6	61.5	930
	12-14	100.0	100.0	98.9	88.5	56.3	30.5	12.4	3.9	.2	54.7	930
	15-17	100.0	100.0	99.4	86.2	50.8	26.5	11.8	3.9	.4	53.4	930
	18-20	100.0	100.0	99.8	93.7	72.8	44.2	23.5	8.3	1.1	60.0	930
	21-23	100.0	100.0	100.0	99.6	95.7	82.2	55.7	24.0	3.5	71.7	930
	TOTALS	100.0	100.0	99.7	95.6	81.4	64.2	85.0	23.6	3.7	67.0	7440

USAFETAC FORM 0-87-5 (OL A)

AD-A147 206 O'HARE INTERNATIONAL AIRPORT CHICAGO REVISED UNIFORM SUMMARY OF SURFACE W...(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A... OCT 84 6/6

UNCLASSIFIED USAFETAC/DS-84/033 SBI AD-E850 751 F/G 4/2 NL




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1·25
1·4
2·5
2·2
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1·8
1·6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7253 2 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (PERIOD) AUG (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	97.0	87.3	58.8	13.2	81.5	930
	03-05	100.0	100.0	100.0	100.0	100.0	98.6	92.4	68.8	20.3	83.9	930
	06-08	100.0	100.0	100.0	100.0	99.5	95.4	80.4	53.0	11.3	79.6	930
	09-11	100.0	100.0	99.9	97.6	80.9	56.3	34.2	14.3	1.8	63.9	930
	12-14	100.0	100.0	99.4	89.6	61.2	35.4	17.2	6.8	.5	56.4	930
	15-17	100.0	100.0	98.8	88.4	60.5	36.5	18.4	6.8	.5	56.6	930
	18-20	100.0	100.0	100.0	97.6	86.3	63.0	37.8	14.2	1.6	65.6	930
	21-23	100.0	100.0	100.0	100.0	99.2	91.3	70.1	39.0	5.3	76.1	930
TOTALS		100.0	100.0	99.8	96.7	86.0	71.7	54.7	32.7	6.8	70.5	7440

USAFETAC FORM AWS 464 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

7253.0 CHICAGO-O'HARE IAP IL 74-83 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	99.9	98.8	94.9	82.1	55.3	19.4	80.4	900
	03-05	100.0	100.0	100.0	100.0	99.4	96.8	88.4	65.6	19.1	82.9	900
	06-08	100.0	100.0	100.0	100.0	99.3	94.7	83.4	57.9	15.4	80.9	900
	09-11	100.0	100.0	99.9	95.8	80.9	55.9	30.8	13.7	3.0	63.8	900
	12-14	100.0	100.0	97.2	81.3	52.6	32.2	16.8	7.1	2.0	54.5	900
	15-17	100.0	99.8	95.4	79.1	50.2	30.8	16.3	9.2	3.6	54.2	900
	18-20	100.0	100.0	99.7	97.0	85.7	62.8	36.3	14.9	4.2	65.9	900
	21-23	100.0	100.0	100.0	99.6	97.8	90.2	69.7	37.9	7.3	75.9	900
TOTALS		100.0	100.0	99.0	94.1	83.1	69.8	53.0	32.7	8.6	69.8	7200

USAFETAC FORM AM 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7[illegible]3 9 — STATION
CHICAGO-O'HARE IAP IL — STATION NAME
74-83 — PERIOD
OCT — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.6	96.9	86.1	69.1	42.3	10.3	76.1	930
	03-05	100.0	100.0	100.0	99.9	98.2	92.7	78.2	48.3	12.9	78.8	930
	06-08	100.0	100.0	100.0	99.7	98.5	92.8	75.7	42.7	10.0	77.7	930
	09-11	100.0	100.0	99.6	95.8	77.6	48.9	24.9	12.0	2.5	61.9	930
	12-14	100.0	100.0	96.0	77.2	45.5	25.3	14.3	7.0	1.4	52.3	930
	15-17	100.0	100.0	95.8	77.5	49.7	29.8	16.6	8.7	1.3	53.6	930
	18-20	100.0	100.0	99.5	95.7	82.6	59.7	34.6	14.8	3.1	64.8	930
	21-23	100.0	100.0	99.9	98.1	93.0	77.1	55.9	28.9	6.7	71.6	930
TOTALS		100.0	100.0	98.9	92.9	80.3	64.1	46.2	25.6	6.0	67.1	7440

USAFETAC FORM NO. 0-67-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

7253 0 (STATION) CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (PERIOD) NOV (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.3	97.4	91.1	72.6	44.0	12.3	77.3	900
	03-05	100.0	100.0	100.0	99.9	99.0	93.2	78.8	49.0	13.9	79.1	900
	06-08	100.0	100.0	100.0	99.8	99.3	95.4	79.6	50.2	14.3	79.4	900
	09-11	100.0	100.0	100.0	98.9	91.3	73.8	51.7	28.6	7.6	70.9	900
	12-14	100.0	100.0	99.2	90.4	72.4	51.0	31.9	19.1	5.1	62.7	900
	15-17	100.0	100.0	98.7	91.3	76.7	56.8	34.4	20.3	5.4	63.9	900
	18-20	100.0	100.0	100.0	98.1	94.1	79.4	53.2	28.9	6.3	71.7	900
	21-23	100.0	100.0	100.0	98.9	96.6	87.0	64.6	35.0	8.9	74.7	900
	TOTALS	100.0	100.0	99.7	97.1	90.9	78.5	58.4	34.4	9.2	72.5	7200

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 PERIOD | DEC MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.7	98.1	90.3	71.1	43.1	12.2	76.8	930
	03-05	100.0	100.0	100.0	99.8	98.0	90.4	76.1	48.4	16.2	78.3	930
	06-08	100.0	100.0	100.0	99.9	98.2	89.1	76.0	50.5	14.5	78.2	930
	09-11	100.0	100.0	100.0	99.0	94.6	83.9	62.9	36.8	10.5	74.4	930
	12-14	100.0	100.0	99.9	97.8	87.0	67.6	43.4	28.5	6.2	68.7	930
	15-17	100.0	100.0	100.0	98.7	91.0	71.9	47.7	25.8	6.1	69.6	930
	18-20	100.0	100.0	100.0	99.7	96.4	85.8	62.7	35.6	9.1	74.4	927
	21-23	100.0	100.0	100.0	99.9	97.2	88.7	68.2	38.5	11.3	75.9	927
	TOTALS	100.0	100.0	100.0	99.3	95.1	83.5	63.5	38.4	10.8	74.5	7439

USAFETAC FORM AIR 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725300 STATION | CHICAGO-O'HARE IAP IL STATION NAME | 74-83 PERIOD | ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.4	94.0	77.5	53.0	29.2	6.3	71.5	7440
FEB		100.0	100.0	99.9	99.1	93.8	80.3	57.1	29.4	7.0	72.2	6768
MAR		100.0	99.9	99.1	95.6	87.5	73.2	52.3	32.1	10.1	70.6	7440
APR		100.0	99.6	96.1	87.8	75.6	59.9	42.9	25.5	8.8	65.3	7200
MAY		100.0	99.8	96.6	88.1	74.3	57.8	42.6	26.3	7.6	65.1	7440
JUN		100.0	100.0	98.8	90.9	77.9	60.6	41.2	22.4	4.1	65.4	7200
JUL		100.0	100.0	99.7	95.6	81.4	64.2	45.0	23.6	3.7	67.0	7440
AUG		100.0	100.0	99.8	96.7	86.0	71.7	54.7	32.7	6.8	70.5	7440
SEP		100.0	100.0	99.0	94.1	83.1	69.8	53.0	32.7	8.6	69.8	7200
OCT		100.0	100.0	98.9	92.9	80.3	64.1	46.2	25.6	6.0	67.1	7440
NOV		100.0	100.0	99.7	97.1	90.9	78.5	58.4	34.4	9.2	72.5	7200
DEC		100.0	100.0	100.0	99.3	95.1	83.5	63.5	38.4	10.8	74.5	7434
TOTALS		100.0	99.9	99.0	94.7	85.0	70.1	50.8	29.4	7.4	69.3	87642

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

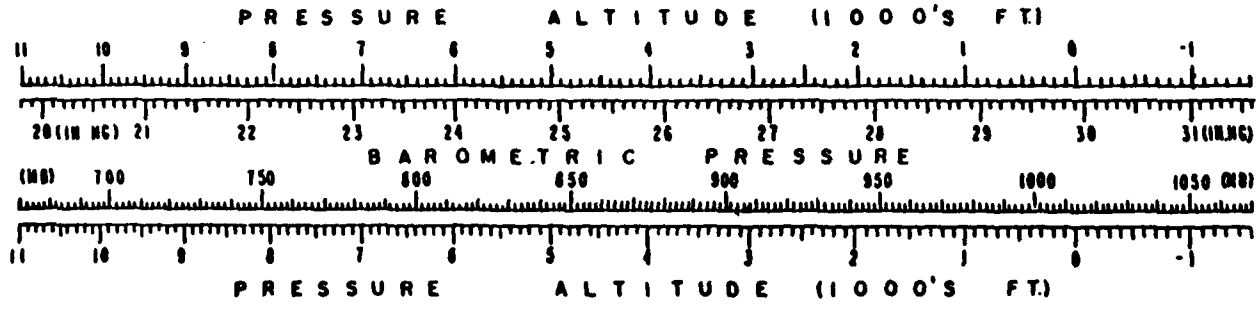
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

[illegible] CHICAGO-O'HARE IAP IL — 74-83
STATION — STATION NAME — YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	29.33	29.339	29.244	29.259	29.234	29.241	29.282	29.314	29.321	29.332	29.310	29.321	29.294
	S D	.265	.264	.245	.242	.161	.151	.115	.120	.150	.199	.232	.259	.213
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	29.332	29.329	29.233	29.251	29.229	29.238	29.275	29.307	29.318	29.330	29.307	29.32	29.289
	S D	.27	.275	.251	.245	.167	.155	.119	.122	.152	.201	.236	.262	.215
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	29.333	29.332	29.247	29.270	29.249	29.256	29.297	29.327	29.337	29.345	29.311	29.32	29.302
	S D	.269	.281	.252	.251	.173	.162	.122	.124	.155	.205	.241	.267	.219
	TOTAL OBS	310	282	310	300	31	300	310	310	300	310	300	310	3652
	MEAN	29.359	29.355	29.267	29.264	29.259	29.266	29.309	29.340	29.355	29.364	29.331	29.343	29.319
	S D	.267	.281	.252	.254	.174	.165	.121	.124	.156	.206	.243	.270	.219
	TOTAL OBS	310	282	310	3 0	31	300	310	310	300	310	300	31	3652
	MEAN	29.342	29.345	29.253	29.270	29.243	29.252	29.297	29.327	29.335	29.343	29.307	29.324	29.303
	S D	.264	.274	.250	.252	.170	.163	.120	.122	.155	.203	.241	.272	.217
	TOTAL OBS	310	282	310	300	31	300	310	310	300	310	300	310	3652
	MEAN	29.319	29.317	29.223	29.243	29.219	29.230	29.273	29.298	29.304	29.315	29.287	29.305	29.278
	S D	.26	.263	.243	.243	.163	.158	.117	.120	.151	.197	.234	.264	.211
	TOTAL OBS	310	282	31	3 0	310	300	310	310	300	310	300	310	3652
	MEAN	29.336	29.333	29.229	29.244	29.208	29.216	29.260	29.288	29.301	29.326	29.302	29.323	29.280
	S D	.24	.256	.236	.236	.157	.152	.113	.121	.149	.194	.227	.257	.206
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	29.339	29.344	29.246	29.269	29.234	29.242	29.283	29.310	29.321	29.343	29.310	29.333	29.297
	S D	.265	.256	.237	.232	.155	.149	.111	.119	.149	.195	.228	.252	.206
	TOTAL OBS	31	282	31	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	29.336	29.337	29.243	29.262	29.234	29.243	29.284	29.314	29.324	29.337	29.308	29.323	29.295
	S D	.265	.269	.246	.244	.165	.157	.118	.122	.153	.200	.235	.263	.213
	TOTAL OBS	248	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2474	29218

USAF ETAC FORM OCT 78 0-89-5 (OL A)

...L CLIMATOLOGY BRANCH
...ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION ...CHICAGO-O'HARE IAP IL (STATION NAME) 74-83 (YEARS)

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	1019.6	1019.7	1015.1	1015.3	1014.1	1014.1	1015.4	1016.6	1017.[illegible]	1017.7	1017.2	1018.1	1016.5
	S D	9.461	9.432	8.683	8.447	5.651	5.260	4.040	4.163	5.282	7.042	8.190	9.249	7.493
	TOTAL OBS	310	282	31[illegible]	300	310	300	310	310	300	310	300	310	3652
	MEAN	1018.7	1018.4	1014.7	1015.0	1013.9	1014.0	1015.1	1016.3	1016.9	1017.6	1017.1	1018.[illegible]	1016.3
	S D	9.59	9.814	8.970	8.599	5.881	5.421	4.181	4.278	5.388	7.135	8.306	9.358	7.666
	TOTAL OBS	31[illegible]	282	31[illegible]	300	310	300	310	310	300	310	300	310	3652
	MEAN	1017.7	1018.6	1015.3	1015.7	1014.7	1014.7	1016.0	1017.1	1017.6	1018.3	1017.4	1018.1	1016.9
	S D	9.598	9.999	8.935	8.758	6.039	5.639	4.269	4.330	5.484	7.244	8.516	9.522	7.743
	TOTAL OBS	31[illegible]	282	31[illegible]	300	31[illegible]	300	310	310	300	310	300	310	3652
	MEAN	1019.7	1019.4	1015.9	1016.2	1015.0	1015.0	1016.3	1017.5	1018.2	1018.9	1018.0	1018.9	1017.4
	S D	9.541	1[illegible].022	8.936	8.926	[illegible].047	5.739	4.229	4.298	5.542	7.297	8.587	9.632	7.618
	TOTAL OBS	31[illegible]	282	31[illegible]	300	31[illegible]	300	310	310	300	310	300	310	3652
	MEAN	1019.[illegible]	1018.9	1015.4	1015.7	1014.5	1[illegible]14.5	1015.9	1017.[illegible]	1017.5	1018.1	1017.2	1018.2	1016.8
12	S D	9.378	9.746	8.847	8.825	5.942	5.709	4.183	4.253	5.471	7.159	8.476	9.677	7.725
	TOTAL OBS	31[illegible]	282	31[illegible]	300	31[illegible]	300	31[illegible]	310	300	310	300	310	3652
	MEAN	1018.2	1017.9	1014.3	1014.7	1013.6	1[illegible]13.7	1015.1	1016.0	1016.4	1017.1	1016.4	1017.5	1015.9
	S D	9.244	9.387	8.636	8.527	5.718	5.537	4.118	4.211	5.349	6.991	8.227	9.432	7.512
	TOTAL OBS	31[illegible]	282	31[illegible]	300	31[illegible]	300	310	310	300	310	300	310	3652
	MEAN	1018.8	1018.6	1014.6	1014.9	1[illegible]13.3	1013.3	1014.7	1015.7	1016.4	1017.6	1017.1	1018.2	1016.1
	S D	9.266	9.145	8.369	8.271	5.510	5.308	3.985	4.207	5.223	6.885	7.996	9.143	7.422
	TOTAL OBS	31[illegible]	282	31[illegible]	300	31[illegible]	300	310	310	300	310	300	309	3651
	MEAN	1018.9	1018.9	1015.2	1[illegible]15.6	1[illegible]14.1	1014.1	1015.4	1016.4	1017.[illegible]	1018.[illegible]	1017.3	1018.4	1016.6
1	S D	9.465	9.130	8.420	8.141	5.463	5.227	3.892	4.141	5.246	6.926	8.[illegible]50	9.027	7.354
	TOTAL OBS	31	282	31[illegible]	300	310	300	310	310	300	310	300	309	3651
	MEAN	1019.8	1018.7	1015.1	1[illegible]15.4	1[illegible]14.1	1014.2	1015.5	1016.6	1017.1	1017.9	1017.2	1018.2	1016.6
ALL HOURS	S D	9.439	9.583	8.719	8.5[illegible]6	5.806	5.499	4.140	4.265	5.398	7.[illegible]96	8.294	9.377	7.6[illegible]4
	TOTAL OBS	248[illegible]	2256	248[illegible]	24[illegible]0	2480	2400	2480	2480	2400	2480	2400	2472	29216

USAF ETAC FORM OCT 78 0-89-5 (OL A)

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