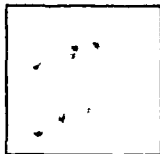


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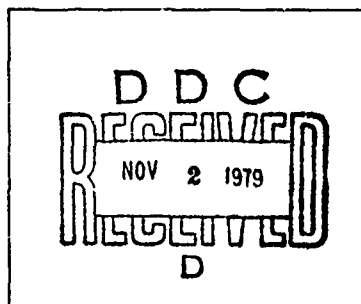
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USAFETAC/DS-79/082

DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

CHANUTE AFB ILLINOIS/RANTOUL      WBAN #14806  
N 40 18 W 088 09 ELEV 747 FT KRAM      WMO #72531

PARTS A-F  
POR FROM HOURLY OBS: JUL 36-DEC 70  
POR FROM DAILY OBS: SEP 36-DEC 70

OCT 27 1972

FEDERAL BUILDING  
ASHEVILLE, N. C.

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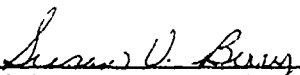
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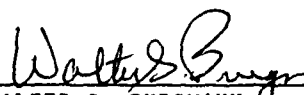
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SUSAN V. BERRY, 2 Lt USAF  
Information Retrieval  
Manager

FOR THE COMMANDER

  
\_\_\_\_\_  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

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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- 79/082	2 GOVT ACCESSION NO	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Chanute AFB, Rantoul, Illinois		5 TYPE OF REPORT & PERIOD COVERED Final rept.
		6 PERFORMING ORG REPORT NUMBER
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16 DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		
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 Chanute AFB, Rantoul, 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)		

DD FORM 1 JAN 73 1473

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

\* Illinois

\* Chanute AFB, IL

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.

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DATA PROCESSING DIVISION  
UNAFSTAC OL-1  
AIR WEATHER SERVICE (MAC)

# 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

ATMOSPHERIC PHENOMENA

### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

### PART C SURFACE WINDS

### PART D CEILING VERSUS VISIBILITY

SKYCOVER

### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

### PART F STATION PRESSURE

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 NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
14806	CHANUTE AFB ILLINOIS/RANTOUL	N 40 18	W 088 09	747	KRAN	72531

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	SLICE BAROMETER	
1	Chanute Fld Illinois	AAF	Jul 36	Mar 48	N 40 18	W 088 09	737	742	24
2	Chanute AFB Illinois	AFB	Apr 48	Jun 49	Same	Same	Same	744	24
3	Same	Same	Jul 49	Jun 50	Same	Same	Same	747	24
4	Same	Same	Jul 50	Feb 56	Same	Same	747	741	24
5	Same	Same	Mar 56	Feb 60	Same	Same	Same	753	24
6	Same	Same	Mar 60	Apr 63	Same	Same	Same	Same	24
7	Same	Same	May 63	Mar 64	Same	Same	Same	Same	19
8	Same	Same	Apr 64	Mar 66	Same	Same	Same	Same	18
9	Same	Same	Apr 66	Oct 70	Same	Same	Same	Same	17
10	Same	Same	Nov 70	Dec 70	Same	Same	Same	Same	12 & 17

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 36 to Feb 41	Located on the Operations Bldg.	Anemometer	None	47 Ft	
2	Mar 41 to Jun 43	Located on Annex to new Flight Hangar.	Same	None	115 Ft	
3	Jul 43 to Mar 48	Not Available.	Selsyn	ML-144B	N/A	
4	Apr 48 to Feb 53	Not Available.	Same	Same	N/A	
5	Mar 53 to Feb 56	Located at 40o17'25"N and 088o08'54"W.	Same	Same	191/4Ft	
6	Mar 56 to Feb 58	Located 1000 ft SW of Station.	Same	Same	13 Ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER		HT ABOVE GROUND
7	Mar 58 to Feb 59	Located .5 mile SW of Station.	AN/GMQ-11	RO2/GMQ	13 Ft	
8	Mar 59 to Feb 60	Located 3100 ft SSW of Station.	Same	Same	Same	
9	Mar 60 to Feb 61	1. Located on the ROS. 2. Located 6/10 mile S of Wea. Stn.	Same	Same	36 Ft 13 Ft	
10	Mar 61 to Feb 62	Located 6/10 mile S of Wea. Stn.	Same	RO2/GMQ	13 Ft	
11	Mar 62 to Feb 66	Located 1200 ft from the end of Rnwy 27, 500 ft N of Rnwy 27. 700 ft S of ROS.	Same	Same	10 Ft	
12	Mar 66 to Feb 68	Located 1200 ft NW of approach end of Instrument Rnwy 27.	T-420B GMQ-11	RO-2B	13 Ft	
13	Mar 68 to Dec 70	Located 500 ft from centerline and 2800 ft from approach end of Instrument Rnwy 27.	Same	Same	Same	

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

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.

Occurrences of 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 - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

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 total columns.

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-WEAN sources.)

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

Blowing Snow - This item if reported, is not shown in a separate category on this form but is included in the Precipitation 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.

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

**WEATHER CONDITIONS**

14806 STATION CHARLESTON ILLINOIS/RANTOUL 36-70 YEARS ALL 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	411	.1	6.7	1.3	9.3		17.1	24.3	23.8	1.3	.1	46.6	23879
FEB		.2	5.7	.4	9.0	.0	15.1	19.8	24.1	1.7	.1	42.0	21758
MAR		.4	9.0	.3	6.5	.0	15.6	16.5	18.2	1.1	.1	33.0	23877
APR		1.6	11.5	.0	1.3	.0	12.6	10.1	11.9	.1	.2	21.2	23043
MAY		1.9	9.7		.0	.0	9.7	9.1	9.5		.2	17.4	23626
JUN		3.0	7.0			.0	7.0	7.7	8.9		.1	15.6	22903
JUL		2.4	4.3			.0	4.3	6.9	12.0		.0	17.8	24038
AUG		1.8	4.4			.0	4.4	9.9	15.7		.0	24.0	24046
SEP		1.1	5.6		.0	.0	5.6	10.3	11.0		.0	20.0	23514
OCT		.5	7.5		.1		7.6	12.1	15.4		.0	27.2	24388
NOV		.2	8.1	.1	4.1		12.1	15.8	19.6	.4	.1	33.2	23576
DEC		.1	7.8	.8	7.5		15.8	23.6	24.3	1.2	.0	44.7	24371
TOTALS		1.1	7.4	.3	3.2	.0	10.7	13.9	16.3	.5	.1	28.6	283024

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AAC

### WEATHER CONDITIONS

14806  
STATION

CHARLE AFB ILLINOIS/RADTEL  
STATION NAME

57-70  
YEARS

08  
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 SHOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
J.	00-07	.0	6.4	1.5	9.3		16.9	26.3	22.1	1.7		46.1	2542
	08-05	.0	6.4	1.5	9.6		17.2	29.1	22.0	1.5		42.9	2510
	06-00	.0	6.7	1.7	9.2		17.4	30.0	26.4	1.4		52.3	3035
	09-11	.1	6.9	1.3	10.3		18.6	26.5	26.9	1.4	.2	50.6	3150
	12-14	.1	6.9	1.2	9.3		17.0	20.4	23.3	1.4	.3	43.7	3159
	15-17		7.3	1.0	9.6		16.5	27.6	24.6	1.3	.3	44.4	3155
	18-20	.1	6.6	1.6	9.9		16.7	22.2	24.2	1.0	.1	44.7	3160
	21-23	.2	6.2	1.6	9.8		16.1	22.8	21.0	1.4	.0	47.3	3160
TOTALS		.1	6.7	1.5	9.3		17.1	24.0	23.8	1.3	.1	46.6	23879

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AFSC

**WEATHER CONDITIONS**

14806  
 STATION

COMBAT AIR FIELD, KONTOL  
 STATION NAME

37-70  
 YEARS

FFU  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LE-)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREESING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% 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
00-02		.2	7.7	1.0	9.2		17.6	21.6	21.9	1.6		41.5	2315
03-05		.3	6.8	1.2	8.5		16.2	23.7	24.5	1.4		45.2	2285
06-08		.1	6.4	1.0	9.6		17.0	27.8	30.0	1.2	.1	53.1	2765
09-11		.1	7.0	.6	9.3		16.7	20.7	28.6	1.7	.1	46.6	2877
12-14			6.5	.7	9.5		16.2	15.4	22.4	2.0	.2	36.9	2880
15-17		.1	6.0	.4	9.2		15.3	15.1	21.6	2.0	.2	36.2	2879
18-20		.3	6.2	.3	8.0	.0	14.2	16.7	23.8	1.8	.1	39.7	2880
21-23		.5	6.7	.8	8.3		15.5	17.2	20.0	2.1	.1	36.7	2877
TOTALS		.2	6.7	.8	9.0	.0	16.1	19.8	24.1	1.7	.1	42.0	21758

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

14806  
 STATION

CHARLOTTE AFB ILLINOIS/RANTJUL  
 STATION NAME

37-70  
 YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.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.
JAN	00-02	.4	9.3	.2	0.0		15.6	16.7	18.3	1.4		33.5	2532
	03-05	.4	8.6	.3	6.0	.0	14.8	21.2	20.0	1.2		38.1	2510
	06-08	.6	9.1	.5	7.2	.1	16.6	26.4	27.3	1.3	.1	49.5	3036
	09-11	.5	8.9	.4	6.9	.0	15.8	16.5	19.0	1.2	.1	34.9	3162
	12-14	.3	8.7	.3	6.5	.0	13.0	12.7	14.5	1.0	.2	26.4	3158
	15-17	.3	8.8	.3	6.5		15.4	12.0	12.7	1.1	.1	24.2	3162
	18-20	1.5	9.0	.2	6.1	.0	15.1	12.8	17.8	.7	.1	29.4	3160
	21-23	.9	9.8	.3	6.7		16.6	13.9	15.7	1.0	.0	28.0	3157
TOTALS		.6	9.0	.3	6.5	.0	15.6	16.5	18.2	1.1	.1	33.0	23877

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

14806 CRANFIE AFB ILLINOIS/RANTOUL 37-70 APR  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.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
APR	00-02	2.3	11.8	.0	1.4		13.1	11.4	11.5	.2		21.4	2418
	03-05	1.7	12.6		.9	.1	13.4	16.0	10.1	.1		30.5	2424
	06-08	1.2	11.4		1.4		12.7	16.8	20.1	.1	.1	34.2	2943
	09-11	.9	10.7	.0	1.5		12.0	8.8	12.0	.1	.2	19.4	3060
	12-14	1.0	10.5		1.6	.0	11.7	7.4	8.5	.1	.6	15.4	3060
	15-17	1.2	10.4	.1	1.1	.1	11.3	6.6	7.8	.1	.6	14.4	3058
	18-20	2.3	12.5	.1	1.2		13.6	7.7	10.1	.1	.3	17.2	3058
	21-23	2.1	11.9	.1	1.2		13.2	9.4	9.0	.1	.1	17.4	3027
TOTALS		1.6	11.5	.0	1.3	.0	12.6	10.6	11.9	.1	.2	21.2	23048

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS

14806  
 STATION

CHAMULT AFB ILLINOIS/RANTU JL  
 STATION NAME

37-70  
 YEARS

DAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.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
MAY	00-02	1,5	10,2		.1		10,3	11,4	9,3			19,5	2407
	03-05	1,2	10,7		.0		10,7	20,6	13,7			31,4	2510
	05-08	1,1	9,5		.0		9,6	15,5	14,4		.1	27,4	3160
	09-11	1,0	9,2		.1		9,2	7,2	8,4		.4	14,9	3154
	12-14	1,7	9,7			.1	9,7	4,3	5,8		.5	9,8	3160
	15-17	2,9	9,7			.0	9,7	3,3	6,9		.4	9,8	3147
	18-20	2,7	9,2			.0	9,2	4,6	8,5		.2	12,4	3155
	21-23	2,7	9,4				9,4	6,2	8,6		.1	13,7	2933
TOTALS		1,9	9,7		.0	.0	9,7	9,1	9,5		.2	17,4	2,226

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### WEATHER CONDITIONS

14806  
 STATION

CHANUTE AFB ILLINOIS/RANTOUL  
 STATION NAME

37-70  
 YEARS

JUN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L-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.
JUN.	00-02	3.4	8.0				8.0	11.5	6.8			17.4	2337
	03-05	2.0	7.7			.0	7.7	20.9	13.0			31.6	2427
	06-08	1.7	6.3				6.3	12.5	14.6			24.6	3060
	09-11	1.5	5.5			.0	5.5	3.8	9.3		.2	12.6	3057
	12-14	2.7	6.9				6.9	2.2	6.1		.1	8.1	3060
	15-17	4.5	6.9			.0	6.9	1.8	6.0		.1	7.6	3059
	18-20	4.1	6.9				6.9	3.1	7.6		.1	10.4	3055
	21-23	3.9	7.9				7.9	5.4	7.5			12.3	2848
TOTALS		3.0	7.0			.0	7.0	7.7	8.9		.1	15.6	22903

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

14806      CHANDLER AFB ILLINOIS/RANTDUL      36-70      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	00-02	2.8	5.0				5.0	7.7	11.2			18.2	2418
	03-05	2.4	5.6				5.6	21.4	16.3			34.8	2538
	06-08	1.4	4.8				4.8	15.0	19.4			31.2	3223
	09-11	1.4	4.1				4.1	3.4	11.6		.1	14.5	3252
	12-14	1.8	3.5				3.5	1.7	8.2			9.0	3252
	15-17	3.0	3.9				3.9	1.0	7.4			8.1	3252
	18-20	3.0	3.7				3.7	2.0	11.1			12.6	3160
	21-23	3.3	4.0			.0	4.0	3.8	11.1			13.8	2943
TOTALS		2.4	4.3			.0	4.3	6.9	12.0		.0	17.8	24038

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

14806  
 STATION

CHARLOTTE AFB ILLINOIS/RANTOUL  
 STATION NAME

36-70  
 YEARS

AUG  
 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
476	00-02	2.7	5.0				5.0	12.9	13.2			24.9	2415
	03-05	2.5	5.3				5.3	27.4	19.0			42.7	2541
	06-08	1.2	5.5				5.5	22.6	28.1			45.1	3229
	09-11	.7	4.5				4.5	4.5	17.1			21.0	3253
	12-14	1.2	3.8				3.6	1.7	11.1			12.6	3253
	15-17	1.8	3.8			.0	3.8	1.3	9.6		.1	10.8	3251
	18-20	2.3	3.6			.0	3.6	2.4	13.8		.0	15.6	3163
	21-23	2.3	4.0				4.0	6.0	14.0		.0	19.1	2941
TOTALS		1.8	4.4			.0	4.4	9.9	15.7		.0	24.0	24046

3 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

14806 CHANDLER AIR ILLINOIS/RANTOHL 36-70 SEP  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREZING 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 CBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	1.4	5.0				5.0	11.6	10.0			20.4	2457
	03-05	1.1	6.2				6.2	22.7	13.6			34.0	2538
	06-08	.7	6.4				6.4	24.8	21.9		.1	41.7	3145
	09-11	.4	5.1				5.1	5.6	12.3			17.3	3145
	12-14	.9	5.1		.1		5.1	2.8	6.5		.1	9.2	3147
	15-17	1.6	6.5		.0		6.5	3.1	5.7		.0	8.6	3146
	18-20	1.4	5.5				5.5	4.7	8.8			13.1	3072
	21-23	1.5	5.2			.0	5.2	6.9	9.3		.0	15.4	2864
TOTALS		1.1	5.6		.0	.0	5.6	10.3	11.0		.0	20.0	23514

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

14806 CHANUTE AFB ILLINOIS/RANTJUL 36-70 OCT  
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
OCT	00-02	.5	7.5		.1		7.5	15.0	16.5			32.1	2586
	03-05	.4	7.5		.2		7.7	21.3	20.6			39.8	2637
	06-08	.4	8.1		.2		8.3	25.8	26.2			46.9	3229
	09-11	.1	7.4		.1		7.5	9.0	17.3		.1	25.7	3254
	12-14	.5	6.6		.2		6.8	4.9	8.6		.0	13.5	3254
	15-17	.6	6.8		.1		6.8	5.2	9.9		.2	15.1	3251
	18-20	.7	7.6		.0		7.6	6.4	14.8		.0	20.8	3177
	21-23	.7	8.3		.1		8.3	9.2	15.2			23.5	3000
TOTALS		.5	7.5		.1		7.6	12.1	16.4		.0	27.2	24388

3 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14866  
 STATION

CHANDLER AFB ILLINOIS/KANTJL  
 STATION NAME

36-70  
 YEARS

JUN  
 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
JUN	00-02	.1	8.7	.2	3.7		12.4	16.4	18.4	.6	.1	33.4	2450
	03-05	.2	8.6		4.3		12.8	16.7	19.0	.5	.1	35.5	2392
	06-08	.1	8.6	.1	4.2		12.8	29.0	27.5	.3	.1	50.1	2998
	09-11	.3	7.8	.1	4.6		12.3	16.7	24.4	.4	.1	38.4	3148
	12-14	.2	8.8	.1	4.4		11.0	10.9	15.8	.5	.1	25.9	3149
	15-17	.3	8.2	.1	3.5		11.5	10.6	16.6	.2	.1	26.0	3148
	18-20	.2	7.9	.2	3.7		11.6	10.7	17.4	.2		27.3	3145
	21-23	.2	7.9	.3	4.1		12.1	13.0	17.5	.3		29.0	3145
TOTALS		.2	8.1	.1	4.1		12.1	15.8	19.6	.4	.1	33.2	23576

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

JFC  
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
JFC	00-02		8.6	.9	5.7		16.0	24.4	23.9	1.0		45.2	2536
	03-05	.0	8.3	1.0	7.1		16.0	27.0	23.0	1.3		46.8	2511
	06-08	.1	7.7	1.2	7.8		16.4	30.6	27.2	1.3		52.7	3097
	09-11		8.1	.6	9.2		17.7	25.8	29.1	1.6	.0	50.9	3253
	12-14	.1	6.9	.8	8.4		15.7	19.5	22.9	1.7	.1	40.6	3251
	15-17	.1	7.1	.5	6.7		13.9	19.3	23.3	1.2		40.4	3254
	18-20	.2	7.5	.5	7.1		14.6	20.0	22.8	.9		40.2	3245
	21-23		7.9	1.2	7.3		16.3	22.1	22.0	.9		40.6	3224
TOTALS		.1	7.8	.8	7.5		15.8	23.6	24.3	1.2	.0	44.7	24371

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms 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 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 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 columns may not equal the total columns.

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

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
**WEATHER CONDITIONS**  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

14800 CHANDLER AFB ILLINOIS/RANTOUL 46-63 ALL  
 STATION STATION NAME YEARS 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	1.4	23.5	11.7	42.6	.2	59.2	47.8	57.0	8.7		76.0	554
FEB		3.5	28.1	7.1	36.0	1.0	56.3	46.3	60.8	8.3		77.0	508
MAR		8.0	34.1	1.6	30.0	1.8	60.0	44.0	63.6	7.2		74.5	557
APR		16.7	42.0	.2	8.3	2.6	52.3	34.7	43.0	.9		56.5	533
MAY		16.2	41.9	.2	.4	.8	51.8	34.5	37.8		.2	49.7	527
JUN		25.2	38.2			1.4	47.0	34.3	34.8		.4	49.8	508
JUL		23.1	34.5			.6	39.8	38.1	41.4			54.1	527
AUG		20.5	30.4			.9	34.9	45.9	57.1			66.6	527
SEP		17.9	41.1	.2	.4	.7	50.6	35.0	38.3		.2	49.9	543
OCT		5.7	26.5		2.2	.2	31.9	42.5	48.6			61.1	558
NOV		2.7	26.1	1.4	19.6		47.3	42.5	52.4	2.5	.2	66.5	510
DEC		1.5	25.2	5.5	32.1		52.6	47.8	58.1	5.3		74.8	527
TOTALS		12.1	32.6	2.3	14.3	.8	48.6	41.1	49.4	2.7	.1	63.0	6379

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART B                   PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1950,  
~~but has been removed from this summary~~

3 DATA PROCESSING DIVISION  
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 AIR FORCE SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

14800 STATION CAIRO AIR ILLINOIS/AMT DL 19-64-69-70 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)			
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST	
	SNOWFALL	SNOW-DEPTH	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254						255-504
JAN	43.4	27.4	3.5	7.0	4.2	6.8	3.5	2.4	1.4	.1					24.5	810	1.93	6.57	.20
FEB	43.8	27.7	2.9	7.2	4.3	6.4	4.7	2.6	1.7						23.9	753	1.89	4.03	.49
MAR	42.2	27.7	2.5	7.4	5.0	7.9	5.3	4.2	1.2	.1					30.2	837	2.07	7.50	.91
APR	40.4	17.1	1.7	5.1	4.1	9.1	6.2	7.8	1.7	.3					36.5	747	3.91	6.63	1.69
MAY	65.1	17.2	2.4	6.2	4.0	8.6	7.4	6.2	1.9		.1				30.7	906	3.75	8.94	1.17
JUN	50.2	15.5	1.5	6.5	3.8	5.6	4.6	6.9	3.7	.4					33.6	740	4.44	9.69	1.56
JUL	52.4	1.5	2.2	4.2	3.4	4.3	4.4	3.0	3.7	.4					26.2	806	3.76	12.44	.96
AUG	64.5	17.7	1.7	4.1	2.5	4.6	3.2	3.7	2.2	.2					22.6	806	2.82	7.57	1.00
SEP	61.0	14.7	1.5	4.6	2.4	4.9	4.6	3.7	2.3	.3					24.1	743	4.04	9.84	.14
OCT	65.4	11.5	.9	3.2	2.9	4.6	4.4	4.3	2.6	.1					23.4	808	3.22	9.37	.40
NOV	52.7	17.7	2.6	6.3	3.8	6.8	4.0	4.7	.7						29.6	810	2.38	5.55	.84
DEC	47.8	24.7	3.7	6.5	3.7	7.0	3.7	2.9	.2	.1					21.3	817	1.76	6.02	.36
ANNUAL	52.2	18.4	2.3	5.8	3.7	5.2	4.8	4.4	2.4	.2	.6				27.4	9417	3.90		

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 USAF ETAC  
 AIR PLATER SERVICE/ETAC

**EXTREME VALUES**

PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

14605 CHARLOTTE AFB ILLINOIS/RANTOUL  
 STATION STATION NAME

36-64, 69-70  
 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
34		1.17	3.24	1.43	.36	1.52	1.87	1.33	.39	1.29	.59	.44	
40	.22	.17	.92	1.27	.71	1.82	.76	1.02	.47	1.06	.91	.53	1.52
41	.22	.31	.51	.90	1.69	2.65	1.77	.69	1.37	2.14	.57	.17	2.69
42	1.22	1.42	1.22	.81	.60	.40	.97	1.06	.89	.92	2.13	1.32	2.13
43	.10	.54	1.24	.51	1.46	1.60	2.02	3.30	.43	1.80	.95	.23	3.30
44	.10	1.11	.41	1.99	1.13	.85	.97	.81	1.50	.71	.71	.52	1.85
45	.20	.70	.79	.90	.94	.87	.63	1.31	1.76	1.24	.47	.87	1.76
46	.77	1.09	2.32	.91	1.42	2.80	.91	1.12	.99	2.29	.92	.72	2.29
47	1.09	.41	1.33	2.02	.86	1.40	.50	1.49	1.92	1.16	.69	.97	2.02
48	.92	1.20	1.52	.86	1.02	1.34	1.61	1.40	1.50	.42	.66	1.29	1.52
49	1.17	1.51	1.16	.75	1.43	.72	1.19	.33	.58	2.11	.87	2.80	2.80
50	1.42	1.10	.40	.91	.59	1.99	2.39	1.43	2.60	.94	.97	.57	2.60
51	1.11	.69	.73	.83	1.10	1.12	2.60	2.22	.67	1.57	.76	.67	2.60
52	.73	.38	.87	.94	1.13	1.79	.49	1.16	.72	.68	.51	.47	1.79
53	.37	.76	2.04	.92	.92	.67	4.24	.57	.42	1.28	.19	.37	4.24
54	1.56	.67	.61	1.52	.64	.62	.40	1.41	.02	1.87	.32	.70	1.67
55	1.47	.67	.61	1.09	2.09	.90	2.63	2.09	1.04	2.21	.36	.15	2.63
56	.22	.51	.31	.86	6.01	1.06	1.97	.84	.86	.28	.79	.69	6.01
57	.59	2.00	.51	1.42	.97	2.02	2.33	.80	.78	2.54	1.33	.97	2.34
58	1.07	.32	.51	.62	.69	2.99	2.40	1.23	1.30	.24	1.68	.30	2.99
59	2.61	1.04	1.11	.83	1.04	1.92	.41	.63	1.98	1.89	1.67	.79	2.61
60	.51	.63	.52	.71	.70	1.98	2.01	.93	1.32	.75	.81	.34	2.01
61	.14	.45	.96	2.80	.71	1.13	1.16	.84	.84	.93	.97	.30	2.80
62	1.32	.60	.82	1.11	1.10	1.22	2.49	1.31	2.37	.86	.58	.11	2.49
63	.32	.34	2.04								1.39	.20	
64	.78	.40											
69			1.41	.91	.44	1.07	.53	2.00	1.62	1.67	.78	.14	
70	.11	.23	.32	2.69	1.24	1.25	1.80	.50	3.93	1.02	.32	.30	3.93
MEAN	.79	.76	1.06	1.10	1.19	1.42	1.55	1.31	1.20	1.31	.98	.63	2.05
S. D.	.602	.449	.697	.592	1.037	.677	.954	.734	.850	.648	.429	.548	.978
TOTAL OBS.	806	762	837	780	806	780	306	806	780	809	810	837	9017

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 USAF ETAC  
 AIR WEATHER SERVICE/PAO

**EXTREME VALUES**

PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

14300  
STATION

CHANDLER AFB ILLINOIS/RANDOLPH  
STATION NAME

26-64, 69-70  
YEARS

24 HOUR AMOUNTS IN INCHES  
 BASED ON LESS THAN FULL MONTHS/

MONTH/ YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
64									.01 19	TRACE 20	TRACE 24	.01 12	PRECIP DAYS
65	TRACE 15	TRACE 13	.01 14	.01 13	TRACE 14	.01 19	.01 23	TRACE 23	TRACE 24	TRACE 10	.01 16	TRACE 12	PRECIP DAYS
66	TRACE 17	TRACE 10	TRACE 9	.01 14	TRACE 12	.01 19	.01 19	.01 19	.01 19	.01 26	.01 19	.01 19	PRECIP DAYS
67	.01 12												PRECIP DAYS
68				2.02 29	0	0	0	0	.11 16	1.03 30			PRECIP DAYS
69			.44 21	0	0	0	0	0	0	0	0	0	PRECIP DAYS
70	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
71	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
72	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
73	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
74	0	.06 9											PRECIP DAYS
75													
76													
77													
78													
79													
80													
MEAN													
S. D.													
TOTAL OBS.													

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

14615 STATION 50010 24 ILLINOIS/HAMT 01 20-00 1971 STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	.06 10	11 25	26 50	51 100	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	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4	7-12	13 24	25 36	37 48	49 66	61 120	OVER 120					
JAN	51.2	46.7	0.0	4.7	4.7	.5	.5	.2	.2					15.5	62	4.4	13.4	TRACE
FEB	64.4	35.6	3.0	3.0	3.0	1.2	.7	.7						14.3	39	5.0	11.5	TRACE
MAR	57.5	42.5	3.4	3.4	1.6	.5	.5	.3						10.7	60	3.5	14.5	TRACE
APR	70.1	29.9	.5	.5	.5	.2	.2							10.8	37	.9	3.0	.0
MAY	97.1	3.0													11.9	TRACE	TRACE	.0
JUN	100.0														8.7	.0	.0	.0
JUL	100.0														5.0	.0	.0	.0
AUG	100.0														5.9	.0	.0	.0
SEP	100.0														5.7	.0	.0	.0
OCT	98.6	1.4													4.2	TRACE	TRACE	.0
NOV	61.2	38.8	2.0	1.9	1.0	.5	.5	.2	.2					15.2	60	2.2	13.8	.0
DEC	67.4	32.6	5.0	4.4	1.1	1.3	.2	.2	.2					13.0	60	4.8	12.7	TRACE
ANNUAL	65.9	34.1	1.8	1.7	.8	.2	.2	.1	.1					11.1	71	2.2		

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR LEAFER SERVICE/MAC

**EXTREME VALUES**

SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION CHARLE AIR ILLINOIS/KANTILL STATION NAME 6-64, 69-70 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV	DEC.	ALL MONTHS
41	3.5	2.0	1.0	2.5	.0	.0	.0	.0	.0	.0	.0	1.0	3.5
42	1.6	4.0	4.0	TRACE	.0	.0	.0	.0	.0	.0	2.1	1.0	4.0
43	1.5	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	TRACE	4.5	4.5
44	.0	1.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	2.0
45	TRACE	3.0	2.3	TRACE	.0	.0	.0	.0	.0	.0	2.9	4.4	4.4
46	2.0	2.0	1.8	.0	.0	.0	.0	.0	.0	.0	4.4	4.2	3.4
47	2.0	.0	.0	TRACE	.0	.0	.0	.0	.0	TRACE	.6	4.7	5.0
48	1.5	TRACE	1.8	TRACE	.0	.0	.0	.0	.0	.0	1.2	TRACE	1.0
49	.3	2.2	3.0	TRACE	TRACE	.0	.0	.0	.0	TRACE	2.5	1.1	3.8
50	2.2	2.0	3.1	.0	.0	.0	.0	.0	.0	TRACE	1.8	1.3	3.1
51	2.2	3.0	3.1	.4	.0	.0	.0	.0	.0	.0	1.1	2.7	5.0
52	1.7	TRACE	1.2	4.5	.0	.0	.0	.0	.0	.0	TRACE	3.2	4.3
53	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.8	1.5	2.4
54	6.0	2.0	2.0	TRACE	.0	.0	.0	.0	.0	TRACE	2.2	1.7	6.0
55	1.6	3.4	5.3	.3	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	5.3
56	2.8	3.0	.2	2.1	.0	.0	.0	.0	.0	.0	TRACE	4.6	3.7
57	3.7	4.0	2.1	2.3	.0	.0	.0	.0	.0	TRACE	TRACE	1.3	4.0
58	2.8	6.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.8	.0
59	7.2	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	TRACE	.4	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	.0
61	1.1	2.3	1.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2	2.7
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	2.37	2.64	2.00	.68	TRACE	.00	.00	.00	.00	TRACE	1.61	2.50	4.43
S D	1.838	1.714	1.584	1.211	.000	.000	.000	.000	.000	.000	2.256	1.936	1.997
TOTAL OBS	670	593	620	570	589	570	589	589	570	620	600	620	7150

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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

**EXTREME VALUES**

SNOWFALL  
 (FROM DAILY OBSERVATIONS)

1960 STATION CHICAGO AFB ILLINOIS/RAHTEL 60-64, 69-70 YEARS

24 HOUR AMOUNTS 1+ INCHES  
 /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
60									0	0	0	0	SNOWFALL DAYS
61	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
63	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
64	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
66	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
67	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
68	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
69	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
70	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
MEAN													
S D													
TOTAL OBS													

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

14804  
STATION

CHARLIE AFB ILLINOIS/RANTJUL  
STATION NAME

66-68, 69-70  
YEARS

YEARS

24 HOUR AMOUNTS IN INCHES  
(BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
7	0	0	0	0	0	0	0	0	0	0	0	0	SM FALL DAYS
6	2												SM FALL DAYS
MEAN													
S D.													
TOTAL OBS													

3 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

14805 STATION CAMPE DE ILLINOIS/KANTJUL 59-70 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	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
SNG-V/FALL	NONE	TRACL	01 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	51.5	2.0	7.0	5.5	4.9	4.1	.0							25.9	971			
FEB	50.3	2.7	7.1	5.1	2.1	3.7	1.4							11.2	847			
MAR	87.1	0.2	3.1	2.2	1.0	1.4	2.1	.1						1.7	922			
APR	97.9	1.5	.3	.3										.7	977			
MAY	101.5														942			
JUN	100.0														907			
JUL	100.0														992			
AUG	100.0														992			
SEP	100.0														900			
OCT	100.0														992			
NOV	90.0	5.1	2.3	1.0	.7	.2								1.7	910			
DEC	65.6	10.0	8.2	5.7	3.2	4.5	1.9							23.5	951			
ANNUAL	87.1	3.0	2.4	1.7	.9	1.4	.3	.0						1.0	11477			

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

**EXTREME VALUES**

SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

14805  
 STATION

CHRYSTAL SPR ILLINOIS/RANTJUL  
 STATION NAME

39-70  
 YEARS

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC.	ALL MONTHS
30			7	TRACE	TRACE	0	0	0	0	0	TRACE	7	
41		0	1	TRACE	TRACE	0	0	0	0	0	0	0	6
42		4	2	TRACE	0	0	0	0	0	0	1	2	4
43	TRACE		3	TRACE	0	0	0	0	0	0	0	7	7
44	1	TRACE	2		0	0	0	0	0	0	TRACE	5	5
45	TRACE			TRACE	0	0	0	0	0	0	1	0	
46		5	2	TRACE	0	0	0	0	0	0	TRACE	7	7
48		7	2	2	0	0	0	0	0	0	0	2	2
49		4	2	4	0	0	0	0	0	0	TRACE	1	4
50		2	3	4	0	0	0	0	0	0	0	3	4
51	TRACE	TRACE	TRACE		0	0	0	0	0	0	0	7	2
52	TRACE		2	2	0	0	0	0	0	0	1	5	7
53		1	4	3	TRACE	0	0	0	0	0	0	7	7
54		3	2	5	TRACE	0	0	0	0	0	1	4	5
55		2	TRACE	2	TRACE	0	0	0	0	0	1	TRACE	2
56	TRACE		1	1	0	0	0	0	0	0	1	1	1
57		2	2	1	0	0	0	0	0	0	2	1	2
58		3	6	2	TRACE	0	0	0	0	0	1	3	6
59		2	3	2	2	0	0	0	0	0	0	5	3
60	TRACE		1	2	0	0	0	0	0	0	2	2	2
61		5	7	5	0	0	0	0	0	0	2	3	5
62		3	7	14	0	0	0	0	0	0	TRACE	7	14
63		3	7	1	2	0	0	0	0	0	2	5	7
64		6	4	2	1	0	0	0	0	0	0	1	6
65		6	8	8	0	0	0	0	0	0	0	5	8
66		6	6	5	0	0	0	0	0	0	1	3	6
67		5		4	0	0	0	0	0	0	0	0	
68		0	2	2	0	0	0	0	0	0	0	0	
69		0	0	0	0	0	0	0	0	0	2	2	2
70		10	0	4	0	0	0	0	0	0	0	7	
MEAN													
S.D.													
TOTAL OBS													

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

**EXTREME VALUES**

SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

14507 STATION CHICAGO AFB ILLINOIS/RANTJUL 39-70 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
39	6	1	4	0	0	0	0	0	0	0	1	4	5
70	5	1	3	1	0	0	0	0	0	0	0	0	5
MEAN	3.3	2.7	2.0	.2	.0	.0	.0	.0	.0	.0	.7	3.1	5.1
S D	2.639	2.377	2.040	.551	.000	.000	.000	.000	.000	.000	.969	2.489	2.911
TOTAL OBS	961	847	992	900	992	960	972	992	960	992	930	961	11479

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR MATER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

1965 STATION CHARLOTTE AFB ILLINOIS/RENTON 19-70 YEARS

DAILY SNOW DEPTH IN INCHES  
 (BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	0												SNOW DEPTH DAYS
		10											SNOW DEPTH DAYS
		20											SNOW DEPTH DAYS
				3									SNOW DEPTH DAYS
				22									SNOW DEPTH DAYS
		7											SNOW DEPTH DAYS
				21									SNOW DEPTH DAYS
											0	0	SNOW DEPTH DAYS
											29	21	SNOW DEPTH DAYS
MEAN													
S.D.													
TOTAL OBS													

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as 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 1969, and in tens of degrees starting in January, 1970. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "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 direction and speed, and in addition the mean wind speed 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 VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: 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.

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR RESEARCH SERVICE/AC

**EXTREME VALUES**

SURFACE WINDS  
 (FROM DAILY OBSERVATIONS)

LABEL STATION CHRYSLER AFB, ILLINOIS/RAHILJUL 46-70

YEARS

**DAILY PEAK GUSTS IN KNOTS**

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47			SS	40			43			SS	40NW	17S	40
48	61NW	21W	40WSW	44NW	40NW	39	49	40S	43NW	30SS	30S	49S	50
49	52	34S	43S	43S	48S	33S	44NW	33S	31	30NW	30SS	36	57 22
50	47NW	31W	40S	50SS	42NW	35	43NW	47	30SS	20	39W	30	54 20
51	30W	42	52WS	41NW	44NW	42SE	30W	45NW	37W	30SS	30WS	40	52
52		51NW	40NW	30S	30SE	43S	30			30NW	30S	42	
53		52SS	43S	43SS	12S	24SS	30W	32NW	30SS	23SS	30S	30	
54	52SS	40S	43S	30	42SS	49S	16NW	69W	34W	33	33WS	31	69
55	11W	33S	40SE	42S	50WS	24	23NW	22S	32NW	32S	34S	30	50
56	20W	30S	42S	60NW	30SS	35W	30SS	20SS	30NW	13S	30S	30	50
57	SS	25W	43SE	30SS	42S	30S	43SE	32W	22WS	30W	33WS	26S	22 5 63
58	37W	30NW	20S	38S	33W	30S	33W	32SS	20S	31W	40	32	32
59	32WS	37S	44WS	17W	10S	32SS	30W	22	44WS	30WS	18S	32	34
60	33W	34WS	30W	51S	50	60WS	39NW	42NW	52SS	30	30	31	57
61	31	33S	40	38SS	42					SS	40		
62	31	43W	30W	70NW	49WS	30NW	41S	32WS	29NW	30SS	33	30	70
63	31NW	30S	44	50	36					NW	33S	30S	30
64	30	20SS	48	55	54		42WS	28S	32S	20SS	54		
65	30	42	50	40			WS	41	38NW	44WS	40SS	34	
66	30SS	31WS	40NW	41	NW	40N	47NW	27NW	33S	30	37	37	
67	30	52NW	43	40SS	20S	40W	20W	27NW	33SS	39W	39WS	30	52
68	30	30NW	30NL	39WS	49S	51WS	3027/	3324/	3217/	3219/	3023/	3029/	45 5 51
69	30/	3730/	2824/	4029/	4230/	4019/	3931/	3221/	27 4/	2927/	5022/	3527/	32 27/ 50
70	21/	4021/	3729/	4027/	3021/	4030/	4233/	4436/	39	18/	4129/	3926/	43
MEAN	37.2	30.2	42.8	44.2	62.3	42.0	35.7	25.9	25.1	36.2	28.8	36.0	55.2
S.D.	7.999	7.369	8.357	9.131	6.311	6.223	6.273	9.850	6.683	7.313	9.813	5.270	10.007
TOTAL OBS	607	669	731	650	671	394	674	644	649	734	727	670	6004

USAF ETAC FORM 0885 (OIL)

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR FORCE SERVICE/AC

### EXTREME VALUES

WINDS  
 (FROM DAILY OBSERVATIONS)

STATION: **CHATTANOOGA ILLINOIS/NORTON** 46-70 YEARS

WINDS  
 DAILY PEAK GUSTS IN KNOTS  
 / WINDS LESS THAN 50% OBSERVATIONS FOR 1951-1970

YEAR	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1951	2	1						0	0				2 WINDS 1 DAYS
1952	1												1 WINDS 1 DAYS
1953	5	7						14					23 WINDS 2 DAYS
1954	5							27					25 WINDS 2 DAYS
1955						30	36	34	22	3	30	19	30 WINDS 3 DAYS
1956				35	37	50	31	20	29	31	25	14	22 WINDS 2 DAYS
1957				24		21	27	23	22				25 WINDS 2 DAYS
1958				30	41	30	37						25 WINDS 2 DAYS
1959	4		5	43	25	40	34	16					21 WINDS 2 DAYS
1960	1		27		27	23	27						21 WINDS 2 DAYS
1961					27								21 WINDS 2 DAYS
1962									26	32			26 WINDS 2 DAYS
1963									20				20 WINDS 2 DAYS
1964													-
1965													-
1966													-
1967													-
1968													-
1969													-
1970													-
MEAN													
S D													
TOTAL OBS													

DATA PROCESSING DIVISION  
 LTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 CHANUTE AFB ILLINOIS/KANTOUL STATION NAME 36-70 YEARS ALL MONTH ALL  
 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	.6	1.2	2.2	1.1	.2	.0	.0	.0				5.4	8.6
NNE	.5	1.1	2.0	1.0	.2	.0	.0	.0				4.9	8.5
NE	.8	1.3	2.1	1.0	.2	.1	.0	.0				5.4	8.3
ENE	.9	.9	1.4	.7	.2	.0	.0					3.7	8.3
E	.8	1.2	1.5	.7	.1	.0	.0					4.7	7.5
ESE	.3	.8	1.2	.5	.1	.0						3.1	7.6
SE	.8	1.3	2.0	.9	.2	.1	.0	.0				5.2	8.2
SSE	.7	1.3	2.1	1.2	.3	.1	.0	.0				5.7	8.9
S	.9	1.8	3.3	2.3	.7	.2	.0	.0	.0			9.4	9.8
SSW	.5	1.1	2.5	2.1	.6	.2	.0	.0	.0			7.1	10.4
SW	.7	1.3	2.7	1.8	.5	.2	.0	.0	.0			7.3	9.8
WSW	.5	1.0	2.0	1.4	.4	.2	.0	.0				5.6	10.7
W	.7	1.5	2.7	1.8	.5	.2	.0	.0	.0			7.4	9.8
WNW	.4	1.1	2.4	1.9	.5	.1	.0	.0				6.5	10.2
NW	.5	1.2	2.7	1.7	.4	.1	.0	.0				6.7	9.6
NNW	.4	.9	2.0	1.3	.2	.0	.0	.0				4.8	9.3
VARBL													
CALM												7.7	
	9.9	19.1	34.3	21.3	5.5	1.6	.3	.0	.0			100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 283019

DATA PROCESSING DIVISION  
 ETAC/USAP  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14800 STATION CHARLE APB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS  
 ALL WEATHER CLASS  
 JAN MONTH  
 ALL 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	.5	1.1	2.1	1.4	.3	.0	.0					5.4	9.2
NNE	.2	.9	1.5	1.0	.2	.1	.0					4.7	9.4
NE	.5	.9	1.6	.9	.3	.1	.0					4.2	9.2
ENE	.3	.7	1.2	.6	.1	.0						2.9	8.7
E	.4	.9	1.2	.7	.1	.0						3.3	8.3
ESE	.3	.6	1.1	.5	.1	.0						2.5	8.4
SE	.6	1.1	2.1	1.2	.2	.1	.0					5.3	9.0
SSE	.5	1.1	2.0	1.4	.4	.1	.0					5.4	9.6
S	.7	1.5	3.1	2.7	.8	.3	.1					9.2	10.5
SSW	.3	.9	2.2	2.0	.6	.2	.1	.0				6.3	11.1
SW	.3	1.1	2.6	1.5	.6	.2	.1	.0	.0			7.0	10.6
WSW	.4	1.1	2.2	1.6	.5	.3	.1	.0				6.2	10.7
W	.7	1.6	3.4	2.9	1.1	.4	.0					10.2	10.8
WNW	.3	1.0	2.7	2.9	1.0	.2	.0	.0				8.2	11.4
NW	.4	1.3	3.5	2.6	.9	.2	.0					8.9	10.6
NNW	.2	1.0	2.1	1.9	.3	.1						5.7	10.0
VARBL													
CALM												5.2	
	6.2	16.8	34.6	26.2	7.6	2.3	.4	.1	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 23805

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHARLE AND ILLINOIS/RAVENS YEARS 37-70 FFB NORTH

CLASS ALL WEATHER 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	.4	1.2	2.3	1.3	.3	.1	.0	.0				5.6	9.3
NNE	.4	.9	1.6	1.2	.5	.1	.0					4.7	9.5
NE	.5	1.0	1.9	1.3	.2	.1	.0					5.0	9.3
ENE	.3	.8	1.4	.9	.3	.1						3.7	9.6
E	.3	1.1	2.0	1.1	.1	.1	.0					4.8	8.5
ESE	.4	.6	1.0	.6	.1							2.7	8.6
SE	.5	.7	1.7	1.2	.4	.1	.0	.0				4.5	10.1
SSE	.4	.9	2.0	1.7	.5	.1	.0	.0				5.6	10.3
S	.6	1.3	2.4	2.4	.8	.2	.0					7.6	10.5
SSW	.3	.6	1.7	1.9	.7	.1	.0					5.5	11.3
SW	.5	.9	2.1	1.7	.9	.2	.1	.0	.0			5.9	10.7
WSW	.3	.8	1.6	1.3	.3	.2	.1	.6				4.8	10.8
W	.5	1.6	2.8	2.1	.7	.3	.1	.0	.0			8.2	10.7
WNW	.4	1.2	3.2	3.6	1.1	.3	.0					9.9	11.5
NW	.4	1.3	3.7	3.3	1.1	.4	.1					10.3	11.2
NNW	.3	.9	2.3	1.9	.4	.1	.0	.0				6.7	10.1
VARB													
CALM												5.2	
	6.8	15.8	33.8	27.6	7.8	2.3	.5	.1	.0			100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 21703

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14800 STATION NAME: CHANDLER AFB ILLINOIS/RANTILL YEARS: 37-70 MONTH: ALL

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

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	.5	1.4	2.3	1.6	.4	.1	.0					6.3	9.4
NNF	.4	1.0	2.1	1.4	.3	.1						5.7	9.7
NE	.0	1.0	2.3	1.8	.6	.1	.0					6.4	10.1
ENE	.3	.6	1.6	1.6	.5	.1						4.8	10.4
E	.4	.8	1.6	1.5	.4	.1	.0					4.7	10.7
ESE	.2	.6	1.4	.8	.2	.0						3.5	9.5
SE	.4	.8	1.6	1.2	.5	.1	.0	.0				4.7	10.3
SSE	.4	.9	2.0	1.4	.5	.2	.1					4.4	10.5
S	.5	1.1	2.4	2.4	1.1	.4	.0	.0				8.2	11.5
SSW	.3	.7	1.6	1.7	.9	.3	.1					5.7	12.1
SW	.4	.8	2.0	1.6	.7	.3	.1	.0				6.7	11.4
WSW	.2	.8	1.7	1.9	1.0	.4	.1					4.3	12.6
W	.5	1.1	2.7	2.6	.3	.4	.1	.0				6.3	11.4
WNW	.3	1.0	2.6	2.6	.9	.3	.0					7.7	11.6
NW	.5	1.1	2.5	2.1	.7	.3	.0					7.2	10.6
NNW	.4	1.0	2.3	1.6	.4	.1	.0					5.7	9.9
VARBL													
CALM												4.3	
	6.3	15.0	32.6	27.7	10.1	3.4	.6	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 23973

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 CHAMUTE APR ILLINOIS/KANTOHL STATION NAME 37-70 YEARS APR MONTH ALL HOURS (L.S.T.)

CLASS ALL WEATHER

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	.8	2.2	1.6	.4	.1	.0					3.6	10.3
NNE	.3	.7	2.2	1.8	.4	.1						5.5	10.4
NE	.5	.8	2.2	1.8	.8	.2	.0	.0				6.3	11.0
ENE	.2	.8	1.4	1.4	.4	.1	.0					4.3	10.6
E	.5	1.0	2.1	1.4	.4	.1	.0					5.5	9.7
ESE	.3	.7	1.6	1.1	.3	.0						3.9	9.7
SE	.3	1.0	2.3	1.7	.5	.2	.0					6.0	10.4
SSE	.3	.9	2.0	1.9	.7	.2	.0	.0				5.9	10.9
S	.4	.9	2.8	3.0	1.2	.5	.1	.0				9.0	12.3
SSW	.2	.7	1.8	2.4	1.1	.6	.1	.0				6.9	13.1
SW	.3	.8	1.8	1.6	.8	.5	.1	.0				5.9	12.3
WSW	.2	.8	1.3	1.6	.7	.4	.1	.0				5.1	12.6
W	.4	1.0	2.2	2.0	.9	.5	.1	.0				7.1	11.9
WNW	.2	.7	2.0	2.5	1.1	.3	.0	.0				6.9	12.7
NW	.3	.9	2.2	2.1	.8	.2	.0					6.5	11.0
NNW	.2	.6	2.0	2.0	.5	.1						5.4	10.8
VARBL													
CALM												4.1	
	5.0	12.9	32.4	29.9	10.9	3.9	.7	.1				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 23038

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 14806 STATION NAME: CHANUTE AFB ILLINOIS/RAMTOL YEARS: 37-70 DAY: ALL  
 CLASS: ALL WEATHER MONTH: ALL  
 HOUR: (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	.6	1.0	2.5	1.7	.4	.0	.0					6.3	9.6
NNE	.4	.8	2.6	1.7	.4	.0	.0	.0				6.0	9.7
NE	.7	1.1	2.2	1.2	.2	.0						5.4	8.6
ENE	.4	.8	1.6	1.2	.2	.0						4.3	9.1
E	.6	1.1	1.8	1.0	.2	.0						4.7	8.3
ESE	.5	.7	1.7	1.0	.1	.0						4.0	8.7
SE	.6	1.1	2.1	1.0	.3	.0	.0	.0				5.2	8.9
SSE	.6	1.1	2.2	1.5	.4	.1	.0					5.9	9.6
S	.7	1.7	2.4	2.5	.9	.3	.1	.0				9.6	10.5
SSW	.4	1.0	2.7	2.7	1.2	.4	.1	.0				8.5	11.9
SW	.5	1.0	2.5	2.0	.8	.3	.1					7.2	10.9
WSW	.4	.8	2.0	1.7	.6	.2	.0	.0				5.7	11.1
W	.5	1.0	2.2	1.5	.4	.2		.0				5.8	9.9
WNW	.4	1.0	2.2	1.6	.4	.1	.0					5.7	9.9
NW	.4	.8	2.3	1.3	.3	.0						5.2	9.3
NNW	.3	.8	2.2	1.4	.2	.0	.0					5.0	9.6
VARBL													
CALM												5.7	
	8.1	15.9	36.1	25.1	7.0	1.8	.4	.0				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 23622

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1480F STATION CHAIN IS APR ILLINOIS/RANTJUL STATION NAME 37-70 YEARS  
 ALL WEATHER CLASS ALL MONTHS (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	2.0	.8	.1	.0	.0					4.7	7.9
NNE	.3	1.3	2.3	1.1	.1	.0						5.3	8.1
NE	.9	1.5	2.6	.9	.1	.0	.0	.0				6.1	7.7
ENE	.5	.9	1.7	.6	.1	.0						3.7	7.4
E	.9	1.2	1.5	.5	.0	.0						4.3	6.8
ESE	.6	.8	1.3	.4	.0							3.1	7.0
SE	.8	1.1	2.2	.5	.1	.0	.0	.0				4.8	7.5
SSE	.7	1.6	2.6	1.0	.1	.0						6.1	7.9
S	1.1	2.3	3.9	2.0	.4	.1	.0					9.8	8.5
SSW	.7	1.5	3.5	2.7	.7	.1	.0					9.2	10.1
SW	.8	1.5	3.5	2.5	.7	.2	.0					9.1	10.0
WSW	.5	1.1	2.5	1.7	.5	.1	.0	.0				6.5	10.0
W	.7	1.5	2.3	1.5	.2	.1	.0					6.3	8.8
WNW	.4	.8	2.0	1.1	.2	.0	.0					4.5	9.1
NW	.5	1.0	1.9	.7	.1	.0						4.3	8.2
NNW	.3	.8	1.6	.8	.1	.0	.0	.0				3.6	8.7
VARBL													
CALM												8.6	
	10.2	20.2	37.7	18.6	3.6	.7	.1	.0				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 22891

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 14806 STATION NAME CHANLE AFB ILLINOIS/RANTUL YEARS 70-70 MONTH JUL  
 CLASS ALL WEATHER HOURS (LST) 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	.9	1.6	2.5	.8	.1	.0						5.3	7.5
NNE	.8	1.7	2.5	.6	.0							5.7	7.2
NE	1.2	2.1	2.6	.6	.0	.0						6.5	6.7
ENE	.9	1.4	1.6	.2	.0							4.1	6.2
E	1.2	1.6	1.2	.2	.0							4.7	5.5
ESE	.8	1.1	1.2	.1	.0							3.2	5.4
SE	1.2	1.4	1.5	.2	.0							4.3	5.8
SSE	.9	1.5	1.8	.3	.0							4.5	6.4
S	1.5	2.4	3.6	.8	.1	.0						8.4	7.1
SSW	.7	1.6	3.5	1.4	.1	.0	.0					7.5	8.2
SW	1.1	2.0	3.7	1.5	.2	.0	.0					8.7	8.2
WSW	.7	1.3	2.3	1.2	.1	.0						5.7	8.1
W	1.0	1.6	2.4	.9	.1	.0		.0				5.0	7.5
WNW	.6	1.0	1.8	.7	.0	.0						4.1	7.7
NW	.7	1.5	2.1	.7	.1	.0						5.1	7.4
NNW	.5	.9	1.9	.7	.0	.0						4.0	7.8
VARBL													
CALM												12.1	
	14.9	24.6	36.3	10.8	1.0	.1	.0	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 24030

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

GRANITE AFB ILLINOIS/RANTUL  
STATION NAME

36-70  
YEARS

AUG  
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	1.7	2.4	.9	.0	.0	.0					5.1	6.9
NNE	1.2	1.9	2.3	.7	.0	.0	.0					6.2	6.9
NE	1.5	2.0	2.7	.7	.0							6.1	6.7
ENE	.9	1.2	1.6	.4	.0							4.4	6.6
E	1.0	1.6	1.4	.2	.0							4.7	5.4
ESE	1.0	1.1	1.2	.2								3.5	5.9
SE	1.3	1.7	1.8	.4	.0	.0						5.3	6.1
SSE	.9	1.3	1.6	.4	.1							4.5	6.8
S	1.6	2.5	3.0	1.0	.1	.0						8.3	7.0
SSW	1.0	1.8	3.0	1.2	.1	.0						7.2	7.8
SW	1.3	1.8	3.3	1.5	.2	.0						8.1	7.9
WSW	.7	1.2	2.2	.8	.1	.0						4.8	7.8
W	.8	1.5	2.1	.7	.0	.0						5.0	7.2
WNW	.4	1.0	1.5	.5	.0	.0						3.3	7.5
NW	.6	1.3	1.7	.4	.0	.0						4.0	7.0
NNW	.3	1.0	1.4	.4	.0	.0						3.5	7.2
VARBL													
CALM												14.4	
	16.5	24.5	33.5	10.1	.9	.1	.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 24057

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1480c CHARLETTES AND ILLINOIS/RANTOUL YEARS 36-70 MONTH JEP  
STATION NAME 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	1.5	2.0	.9	.1	.0						5.2	7.6
NNE	.9	1.7	2.3	1.0	.0							5.8	7.5
NE	1.4	1.9	2.6	1.0	.2	.0						7.1	7.3
ENE	.7	1.4	1.4	.6	.1							4.1	7.0
E	1.3	1.7	1.4	.3	.0							4.7	5.7
ESE	.8	1.2	1.0	.2	.0							3.3	5.8
SE	1.5	2.0	2.3	.3	.0	.0						6.2	6.2
SSE	1.0	1.7	2.2	.6	.1	.0	.0					5.9	7.3
S	1.2	2.4	3.9	2.4	.5	.1	.0					10.5	8.8
SSW	.0	1.2	2.7	1.7	.3	.0	.0					6.5	9.1
SW	1.0	1.5	2.7	1.5	.3	.1	.0					7.1	8.6
WSW	.6	1.0	1.4	.8	.1	.0						4.0	8.1
W	.8	1.5	1.8	.7	.1	.0	.0	.0				5.0	7.6
WNW	.4	1.2	1.7	.8	.1	.0						4.2	8.0
NW	.0	1.4	2.3	1.0	.1	.0		.0				5.3	7.9
NNW	.3	1.1	1.8	.9	.0	.0						4.2	8.3
VARBL													
CALM												10.9	
	13.8	24.4	32.6	14.9	2.0	.4	.0	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 23523

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CRANFLE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

CT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOUS (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	1.3	2.1	.5	.1	.0	.0	.0				5.1	7.9
NNE	.5	1.3	1.8	.7	.1	.0						4.4	7.6
NE	.9	1.4	1.8	.6	.1	.0						4.5	7.1
ENE	.0	.9	1.0	.3	.0	.0						2.9	6.6
E	1.0	1.2	1.3	.4	.0	.0						3.9	6.1
ESE	.7	.9	1.0	.3	.0	.0						3.0	6.5
SE	1.2	1.8	2.1	.6	.1	.0		.0				5.4	6.4
SSE	.9	1.6	2.3	1.0	.2	.0						5.1	7.0
S	.9	2.2	4.1	2.2	.7	.3	.0	.0				10.5	9.5
SSW	.0	1.1	2.8	2.4	.5	.1						7.5	9.9
SW	1.0	1.4	3.1	1.8	.4	.1	.0	.0				7.8	9.1
WSW	.5	1.1	1.6	1.0	.2	.0						4.5	8.7
W	.9	1.7	2.4	1.5	.3	.0	.0					6.9	8.6
WNW	.6	1.3	2.0	1.3	.3	.0						5.5	8.9
NW	.8	1.5	2.9	1.5	.3	.0						7.1	8.6
NNW	.4	1.0	1.8	1.0	.2	.0						4.5	8.6
VARBL													
CALM												9.7	
	12.4	21.8	34.2	17.6	3.4	.8	.1	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 24375

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CRANFORD AFB ILLINOIS/HANTOUL  
STATION NAME

36-70  
YEARS

NAVY  
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	1.7	.7	.1	.0	.0	.0				4.4	8.2
NNE	.4	.8	1.3	.3	.1	.0						2.8	7.6
NE	.4	.6	1.2	.3	.1	.1	.0					3.0	8.5
ENE	.4	.7	.8	.3	.1	.0						2.2	7.5
E	.6	.8	.7	.3	.0							2.4	6.3
ESE	.2	.6	.7	.2	.0							2.1	6.7
SE	.6	1.1	1.9	1.0	.3	.1	.0					4.9	8.8
SSE	.7	1.4	2.3	1.6	.3	.2	.0	.0				6.5	9.6
S	.7	1.8	3.8	3.4	1.1	.5	.1	.0				11.4	11.0
SSW	.5	1.2	2.4	2.1	.7	.2	.1	.0	.0			7.2	10.8
SW	.8	1.4	2.5	1.9	.6	.2	.1	.0	.0			7.5	9.9
WSW	.5	1.3	2.2	1.7	.6	.2	.0	.0				6.6	10.2
W	.2	2.0	3.9	2.6	1.0	.3	.0	.0				10.8	10.1
WNW	.6	1.4	3.0	2.7	.7	.1	.0					8.6	10.2
NW	.7	1.5	3.3	2.4	.6	.1	.0					8.5	9.7
NNW	.4	.9	2.0	1.2	.2	.1	.0					4.8	9.5
VARBL													
CALM												6.5	
	9.2	18.7	33.6	22.8	6.4	2.2	.5	.1	.0			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

23577

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806 CHARLOTTE AFB ILLINOIS/RAIFIELD 36-70

STATION STATION NAME YEARS MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

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	1.0	1.6	1.2	.2	.0	.0					4.8	8.9
NNE	.3	.7	1.0	.7	.1	.0						2.7	8.6
NE	.4	.8	1.1	.7	.2	.0						3.2	8.7
ENE	.4	.6	.9	.5	.1	.0						2.5	8.2
E	.5	.9	1.3	.6	.0							3.3	7.6
ESE	.3	.7	1.1	.5	.1	.0						2.7	8.3
SE	.7	1.1	2.3	1.1	.2	.1	.0					5.6	8.5
SSE	.5	1.3	2.5	1.7	.4	.1	.0		.0			6.5	9.7
S	.7	1.8	3.4	3.1	.8	.3	.0					10.2	10.2
SSW	.5	1.1	2.5	2.6	.6	.1	.0					7.4	10.5
SW	.6	1.5	2.9	1.8	.5	.1	.0	.0				7.3	9.4
WSW	.5	1.2	2.3	1.6	.4	.2	.0	.0				6.3	10.2
W	.7	1.9	3.6	2.3	.6	.3	.0	.0				9.3	9.8
WNW	.4	1.4	3.5	3.0	.7	.1	.0					9.1	10.3
NW	.6	1.4	3.8	2.4	.4	.1	.0					8.6	9.6
NNW	.4	.9	2.0	1.3	.4	.1						5.0	9.7
VARBL													
CALM												5.5	
	7.9	18.1	36.1	25.0	5.7	1.5	.2	.0	.0			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 24365

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806 STATION CHANUTE AFB ILLINOIS/RAITEL STATION NAME 37-04 YEARS JAN MONTH 0000-0200 HOURS (L S T.)  
 ALL WEATHER CLASS  
 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	.0	1.3	2.1	1.7	.2	.1	.0					6.7	9.6
NNE	.3	1.0	1.2	1.1	.2							3.0	8.8
NE	.4	1.1	2.6	.8	.2	.2						5.3	8.8
ENE	.3	.6	1.4	.4	.1	.0						2.9	8.5
E	.9	.9	1.2	.6	.2	.1						3.3	8.7
ESE	.2	.3	1.0	.2		.0						1.8	7.8
SE	1.2	1.5	2.0	.9	.2	.0						5.8	7.7
SSE	.9	1.0	1.4	.8	.2	.1						4.7	8.6
S	.9	1.7	2.6	1.8	.7	.1	.0					7.8	9.5
SSW	.2	1.2	2.4	1.9	.7	.0	.1					6.5	10.5
SW	.6	1.3	3.0	1.7	.0	.3	.2					7.6	10.5
WSW	.3	1.1	2.2	1.2	.6	.1						5.4	10.1
W	.5	1.7	3.4	1.8	.9	.6						8.9	10.5
WNW	.4	1.4	3.0	2.0	.9	.2						8.3	10.6
NW	.6	1.6	4.5	2.1	.9	.3	.0					10.0	10.1
NNW	.4	.8	1.6	1.7	.4	.1						4.8	10.3
VARBL													
CALM												7.5	
	7.6	18.5	35.8	21.1	6.9	2.2	.4					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2342

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806 STATION GRANITE AFB ILLINOIS/KANTOHL 77-03 YEARS JAN MONTH  
 ALL WEATHERS 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	1.2	2.0	1.2	.2	.1						5.4	9.3
NNE	.4	.8	1.7	1.0	.1							3.7	8.6
NE	.5	1.0	1.8	1.1	.5	.0						4.9	9.3
ENE	.2	.6	.9	.5	.1	.0						2.7	8.2
E	.6	.9	1.4	.8	.2							3.9	8.4
ESE	.4	.9	1.0	.2		.1						2.6	7.2
SE	.6	1.2	2.5	.5	.1	.0	.0					5.3	8.1
SSE	.0	1.0	1.8	1.0	.3	.0						4.8	9.0
S	1.0	1.0	3.5	1.6	.4	.2	.1					7.5	9.3
SSW	.4	.0	2.7	1.4	.4	.1	.1					5.5	10.3
SW	.6	1.2	3.1	1.6	.4	.1	.1					7.1	9.8
WSW	.2	1.3	.9	1.4	.4	.1	.0					5.7	7.6
W	.0	2.0	3.6	2.6	.7	.3						9.8	10.0
WNW	.3	1.1	2.5	2.4	1.0	.2	.1	.0				7.5	11.4
NW	.4	1.8	4.3	2.4	.6	.4	.0					9.8	10.3
NNW	.2	.8	2.6	1.8	.4	.1						6.0	10.3
VARBL													
CALM												7.7	
	8.1	17.5	37.3	21.4	5.7	1.9	.5	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2510

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 14806 STATION NAME CHALMIE AFB ILLINOIS/RANTJUL YEARS 37-70 MONTH JAN  
 CLASS ALL WEATHER NO. OF OBS (L S T.) 000-0800  
 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	2.4	1.5	.2	.0						5.9	8.9
NNE	.1	.8	1.7	.9	.2	.1						4.0	9.6
NE	.5	1.0	1.7	.7	.2	.1						4.1	8.6
ENE	.3	.9	1.1	.4	.2	.1						2.6	9.0
E	.5	.9	1.2	.7	.0							3.4	7.9
ESE	.0	.8	1.2	.5								3.1	7.5
SE	.5	1.0	2.1	1.3	.3							5.2	9.0
SSE	.4	1.4	2.5	1.6	.4	.1						6.7	9.5
S	1.0	1.2	3.1	2.1	.2	.2	.1					8.7	9.7
SSW	.0	1.6	2.0	1.7	.3	.1						5.8	9.3
SW	.0	1.1	2.3	1.9	.5	.2	.0					6.7	10.0
WSW	.6	1.4	2.2	1.2	.7	.1	.1					6.3	9.7
W	.8	1.3	3.7	2.8	.7	.2	.0					9.6	10.2
WNW	.3	1.2	2.4	2.7	.9	.2						7.6	11.2
NW	.4	1.6	3.6	2.2	.8	.1	.0					8.8	10.0
NNW	.2	1.2	2.5	2.1	.3	.0						6.3	9.8
VARBL													
CALM												5.6	
	8.2	18.7	32.7	24.3	6.1	1.5	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 3038

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 1480 CHAM. TR. AFB ILLINOIS/RANTOUL CLASS 37-70 MONTH JAN  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-35	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.1	1.7	.3	.0						5.7	9.5
NNE	.2	.7	1.6	1.0	.2	.2						3.9	10.2
NE	.3	.9	1.2	1.0	.1	.2	.0					3.7	9.8
ENE	.1	.6	1.3	1.0	.2							3.1	9.7
E	.3	.8	1.3	.8	.2							3.3	8.5
ESE	.1	.4	1.4	.8	.2							2.8	9.7
SE	.3	.8	1.7	1.5	.3	.2						4.0	10.5
SSE	.2	.6	2.8	2.1	.4	.1						6.3	10.6
S	.4	1.3	3.1	3.6	1.4	.4	.0					10.2	11.7
SSW	.2	.5	2.6	3.1	.6	.2	.0	.0				7.3	11.8
SW	.3	.9	2.0	2.6	.7	.3	.1					6.9	11.6
WSW	.2	.4	2.2	2.3	.6	.2	.1	.0				7.0	12.2
W	.6	1.0	2.8	3.7	1.1	.4						9.7	11.6
WNW	.4	.9	2.3	3.7	1.2	.3	.0					8.8	12.2
NW	.2	1.1	2.4	2.9	1.0	.1	.1					7.8	11.4
NNW	.3	.9	2.3	1.9	.3							5.4	10.0
VARBL													
CALM												3.0	
	6.8	13.3	39.0	33.6	8.2	2.9	.4	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 3160

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14006 STATION CHARLE AFB ILLINOIS/BANTON 77-70 YEARS JAN MONTH  
 ALL WEATHER CLASS 1200-1400 HOURS (L 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	2.1	1.3	.3							4.2	2.8
NNE	.3	.6	1.1	1.2	.3	.1						3.6	10.3
NE	.3	.5	1.3	1.1	.3	.1						3.6	10.4
ENE	.3	.6	1.4	.5	.1	.0						2.6	8.7
E	.2	.9	1.4	.9	.1							3.4	8.9
ESE	.1	.7	1.1	.5	.2							2.5	9.1
SE	.3	.7	1.7	1.1	.3	.1						4.2	10.1
SSE	.2	.8	2.2	1.6	.6	.2	.0					5.6	10.9
S	.2	.8	3.0	4.1	1.5	.3	.1					12.0	12.3
SSW	.4	.7	2.5	3.0	1.1	.3	.1	.1				8.1	12.4
SW	.2	.9	2.7	2.6	1.0	.3	.0					7.7	11.8
WSW	.2	1.2	2.1	3.0	.7	.5	.1	.1				8.0	12.1
W	.4	1.0	3.3	4.0	1.9	.5	.0					11.1	12.3
WNW	.1	.9	2.7	3.8	1.4	.4	.1					9.4	12.5
NW	.3	.8	3.5	2.8	1.0	.3	.1					7.7	11.7
NNW	.1	.8	1.8	2.2	.3							5.5	10.6
VARBL													
CALM													
	3.9	12.4	32.7	34.0	11.4	3.1	.5	.1				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 3159

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14666 STATION CHANDLER AFB ILLINOIS/MANTUL 37-70 YEARS JUN MONTH  
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
 COND. TION

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	.0	1.0	2.0	1.5	.3							5.3	9.2
NNE	.2	.7	1.2	1.1	.1	.1	.1					3.5	10.3
NE	.7	.9	1.4	.3	.5	.0						4.3	9.2
ENE	.3	.7	1.1	.7	.1							2.9	8.7
E	.2	.9	1.2	.6	.1							3.1	8.4
ESE	.2	.6	1.0	.3	.0	.1						2.7	8.6
SE	.3	1.0	2.4	1.1	.1	.1						4.9	9.1
SSE	.3	1.3	1.3	1.4	.3	.1	.0					5.3	9.6
S	.3	1.7	3.7	2.6	.7	.5	.1					9.9	10.8
SSW	.2	1.0	2.4	2.1	.8	.2						6.7	11.0
SW	.3	.9	2.5	1.8	.5	.2	.1	.1	.0			6.3	11.1
WSW	.4	1.1	2.7	2.1	.3	.4	.1	.0				7.1	11.1
W	.6	1.4	3.4	3.2	1.4	.5						10.5	11.3
WNW	.3	1.0	2.9	2.1	.9	.2						8.3	11.1
NW	.3	1.3	3.7	3.0	.7	.2						9.6	10.8
NNW	.2	1.2	2.4	2.1	.4	.0						6.2	9.9
VARBL													
CALM												3.1	
	5.9	16.7	35.7	28.0	7.5	2.6	.3	.1	.0			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 3156

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806 STATION CHARLOTTE AFB ILLINOIS/MONTIOL STATION NAME 37-70 YEARS  
 ALL WEATHER CLASS 1800-2000 MONTH 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	.8	2.0	1.2	.2	.0						4.9	8.8
NNE	.5	1.4	1.9	.8	.4	.1						5.1	9.0
NE	.6	1.0	1.2	.9	.3	.1						4.2	8.0
ENE	.3	.9	1.2	.5	.3							3.2	8.6
E	.5	.9	.9	.7	.1							3.1	7.7
ESE	.3	.4	1.0	.5	.1	.0						2.3	8.6
SE	.5	1.3	2.4	1.2	.4	.1						6.0	9.0
SSE	.6	1.6	1.7	1.3	.4	.0						5.6	8.9
S	.9	2.3	2.9	2.8	.5	.3	.1					9.8	9.8
SSW	.3	1.2	1.6	1.3	.5	.3	.1					5.2	10.6
SW	.5	1.1	2.5	1.1	.3	.1	.1	.1				5.7	9.9
WSW	.9	1.1	2.2	.9	.4	.2	.1					5.4	9.4
W	1.0	2.0	3.8	2.7	1.1	.3	.1					10.9	10.2
WNW	.3	1.0	2.7	2.2	.7	.1						7.0	10.7
NW	.4	1.5	3.7	2.8	.8	.0						9.2	10.1
NNW	.3	1.2	2.1	1.7	.3	.1						5.6	9.7
VARBL													
CALM												6.7	
	8.4	19.7	33.9	22.5	6.8	1.6	.3	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 3159

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806 STATION      CHARLIE AFB ILLINOIS/RANTOUL STATION NAME      37-70 YEARS      JAN MONTH      2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

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	1.1	2.0	1.0	.4							5.0	8.9
NNE	.4	1.2	1.3	.8	.3							4.1	8.6
NE	.5	1.0	1.6	.6	.4	.1						4.2	8.7
ENE	.5	.8	1.0	.7	.1	.0						3.1	8.4
E	.5	.0	1.2	.6	.1	.1						3.2	8.2
ESE	.2	.9	.9	.4	.1							2.3	7.8
SE	1.0	1.5	1.9	1.6	.2	.1						6.4	8.6
SSE	.6	1.1	1.7	.9	.5							4.9	9.0
S	1.0	1.7	2.6	2.6	.8	.3						9.0	9.9
SSW	.2	.6	1.9	1.6	.4	.4	.0					5.2	11.7
SW	.8	1.2	3.0	1.7	.6	.3	.1	.0				7.8	10.1
WSW	.4	.9	2.1	.9	.2	.2	.0					4.7	9.3
W	.9	2.1	3.6	2.3	1.0	.5	.1					10.5	10.1
WNW	.4	.8	3.4	2.5	1.0	.1						8.3	10.9
NW	.5	1.1	3.7	2.4	.9	.1						8.6	10.4
NNW	.2	1.2	1.8	2.0	.3	.1						5.7	9.9
VARBL													
CALM												7.1	
	8.8	18.1	33.5	22.6	7.4	2.2	.3	.0				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 3161

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806 STATION      CHANUTE AFB ILLINOIS/RAI TQUL      37-64      YEARS      FFB NORTH

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	1.5	1.9	.8	.3	.1						5.2	8.4
NNE	.5	1.0	2.4	1.1	.3	.0						5.2	8.8
NE	.4	1.6	2.1	1.2	.1	.0						5.4	8.5
ENE	.2	1.0	1.3	.8	.2	.0						3.6	9.0
E	.7	1.1	1.7	1.0	.0	.1	.0					4.8	8.2
ESE	.5	.7	1.1	.6								2.9	7.6
SE	.7	1.2	1.9	1.2	.3	.1						5.4	9.0
SSE	.4	.7	2.3	1.9	.2							5.6	9.9
S	.5	1.2	2.1	1.6	.7	.2						6.3	10.4
SSW	.3	.5	1.6	1.3	.6	.1						4.4	11.2
SW	.8	.8	1.7	1.6	.7	.1	.2					5.8	10.3
WSW	.3	.9	1.4	.7	.3	.1	.1					3.8	9.9
W	.3	1.9	2.8	1.2	.5	.1	.1					7.1	9.1
WNW	.4	1.7	4.0	3.1	.8	.3						10.3	10.5
NW	.3	1.5	4.4	3.0	.8	.3						10.3	10.7
NNW	.2	.9	2.3	2.5	.2	.3	.0					6.5	11.1
VARBL													
CALM												7.2	
	7.3	18.1	35.0	23.7	6.2	1.3	.6					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS      2315

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHARLE AFB ILLINOIS/RANTOUL  
STATION NAME

37-03  
YEARS

FFB  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPFED (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	1.7	1.9	.8	.3							4.9	8.4
NNE	.2	1.0	1.5	1.0	.3	.1						4.4	9.6
NE	.3	1.1	2.5	1.4	.2	.1						5.9	9.3
ENE	.3	.8	1.7	.6	.2							3.6	8.7
E	.4	1.0	1.7	1.1	.3	.0						4.0	9.3
ESE	.5	.7	.9	.3	.2							2.6	8.0
SE	.7	1.0	2.0	1.0	.3	.1	.0	.0				5.1	9.2
SSE	.6	.7	1.6	1.7	.3	.0						4.9	9.9
S	.7	1.4	2.6	1.8	.4	.3						7.1	9.8
SSW	.2	.3	1.4	1.4	.4	.0						4.0	11.1
SW	.9	.8	2.0	1.9	.5	.0	.0					6.2	10.0
WSW	.3	.9	1.5	1.3	.3	.1	.0					4.6	10.0
W	.4	1.9	2.5	1.4	.5	.3	.0	.0				7.1	10.1
WNW	.3	1.6	3.2	2.8	.7	.1						8.9	10.3
NW	.6	1.7	3.7	3.1	1.2	.3	.1					10.8	10.6
NNW	.3	1.5	2.6	2.4	.4	.0						7.2	9.9
VARBL													
CALM												8.1	
	7.4	18.6	33.7	24.0	6.6	1.6	.3	.1				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 2286

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHARLE SPA ILLINOIS/RANTOUL  
STATION NAME

37-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

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	1.7	2.5	1.2	.3	.1						6.3	8.6
NNE	.5	.7	2.1	1.1	.3	.1						4.2	9.3
NE	.3	.9	1.9	1.1	.3	.0	.0					4.5	9.4
ENE	.3	.8	1.6	.8	.4							3.8	9.1
E	.4	1.2	2.2	1.3	.3	.1						5.6	9.2
ESE	.4	.6	.7	.5	.1							2.6	8.6
SE	.5	1.0	2.0	.9	.3	.0		.0				4.7	9.0
SSE	.9	1.4	2.4	1.7	.3	.0	.0	.0				6.7	9.1
S	.5	1.0	2.0	2.1	.7	.1	.0					6.4	10.4
SSW	.2	.6	2.4	2.5	.4	.1						6.2	11.0
SW	.5	.6	2.5	1.4	.4	.1	.1					5.6	10.4
WSW	.3	.8	1.6	.9	.2	.2	.0					4.1	10.0
W	.7	1.5	2.7	1.8	.3	.3	.1					7.6	9.8
WNW	.5	1.0	3.4	3.3	.7	.2						9.1	10.8
NW	.3	1.3	3.3	3.1	.9	.3	.1					9.4	11.0
MNW	.3	.9	2.6	2.1	.2	.0						6.4	9.6
VARBL													
CALM												6.4	
	7.7	15.9	35.8	26.0	5.9	1.8	.4	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 2765

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHANDLER AFB ILLINOIS/RANT DL YEARS 37-70 MONTH FEB  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 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	2.3	1.6	.2	.1						3.6	9.7
NNE	.2	.7	1.7	1.4	.3	.1						4.4	10.1
NE	.5	.6	2.0	1.4	.2	.1						4.8	10.1
ENE	.2	.7	1.4	1.3	.3	.0						3.9	10.3
E	.2	.9	2.3	1.4	.3	.1	.0					5.3	10.0
ESE	.2	.5	1.0	1.2	.1							3.1	9.8
SE	.4	.5	1.8	1.4	.3	.1	.0					4.6	10.6
SSE	.2	.6	2.1	2.0	.8	.2						6.0	11.2
S	.4	1.1	2.4	2.6	1.3	.2						8.3	11.6
SSW	.4	.5	2.4	2.5	1.2	.3	.1					7.3	12.3
SW	.2	.5	1.6	2.5	.8	.2	.1	.1	.0			6.1	12.8
WSW	.3	1.0	2.0	1.8	.4	.6	.1					6.1	11.8
W	.3	1.2	2.3	2.4	.8	.2	.1					7.4	11.5
WNW	.2	.9	2.6	3.9	1.9	.4	.1					9.8	12.8
NW	.3	.8	3.4	3.0	1.5	.4						9.3	12.1
NNW	.4	.8	2.1	2.0	.4	.1						5.8	10.2
VARBL													
CALM												2.3	
	4.8	12.4	33.3	32.5	11.0	3.1	.5	.1	.0			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 2879

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14800  
STATION

(HARVEY AFB ILLINOIS/RANTJUL  
STATION NAME

37-70  
YEARS

FFB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
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	.3	1.0	2.0	1.0	.3	.1	.0	.0				5.3	10.3
NNE	.2	.4	1.3	1.6	.3	.1	.1					3.9	11.2
NE	.5	.5	1.3	1.0	.2							4.1	9.9
ENE	.1	.0	1.2	1.1	.4	.0						3.4	10.7
E	.2	.9	2.1	1.1	.2	.1	.0					4.6	9.4
ESE	.1	.3	.8	.8	.3							2.3	10.4
SE	.3	.6	1.1	2.2	.3							4.5	10.9
SSE	.2	.5	1.4	1.5	1.1	.1						4.5	12.7
S	.2	.8	2.6	3.6	.9	.3	.0					8.7	12.1
SSW	.2	.7	1.4	2.7	1.2	.4						6.6	12.9
SW	.2	.7	2.5	2.3	1.1	.5	.1	.0				7.6	12.2
WSW	.3	.9	1.9	1.9	.9	.6	.1	.1				6.7	12.6
W	.2	.9	2.6	3.4	1.1	.6	.1	.0				8.9	12.9
WNW	.3	.5	2.7	4.7	1.0	.4	.1					10.3	13.1
NW	.2	.9	3.3	4.1	1.2	.4						10.2	12.0
NNW	.2	.7	2.2	2.0	.6	.2						5.8	11.1
VARBL													
CALM												2.1	
	3.9	11.1	30.5	36.1	11.9	3.6	.7	.2				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

2880

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14806      STATION NAME: CHAMITE AFB ILLINOIS/RAHQUA      YEARS: 37-70      MONTH: FFB  
 CLASS: ALL WEATHER      HOURS (L.S.T.): 1500-1700  
 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	2.4	1.7	.4		.0	.1				9.5	10.5
NNE	.4	.4	1.5	1.2	.2		.0					2.9	10.4
NE	.3	.7	1.7	1.7	.2	.1						4.5	10.4
ENE	.3	.8	1.4	.8	.4	.1						3.8	9.7
E	.2	1.0	2.0	1.0	.0	.0						4.6	8.5
ESE	.2	.5	.9	.5	.1							2.2	8.7
SE	.2	.8	1.5	.8	.7	.1						4.1	10.4
SSE	.2	.7	2.2	2.0	.5	.1						5.7	11.0
S	.7	1.4	2.6	3.0	.8	.1						8.5	10.2
SSW	.2	.5	1.7	1.7	.8	.1						5.1	11.2
SW	.3	1.2	2.8	1.7	.5	.2						6.6	10.2
WSW	.3	.7	1.7	1.5	.3	.2	.2					4.8	11.4
W	.6	1.1	3.1	2.9	1.3	.5	.2	.1	.0			9.7	12.3
WNW	.4	.9	2.8	4.8	1.6	.4	.0					10.9	12.4
NW	.4	1.2	4.1	2.5	1.0	.3	.1					10.7	11.3
NNW	.2	.9	3.0	1.6	.4	.2						6.2	10.4
VARBL													
CALM												3.0	
	5.8	13.2	35.2	30.3	9.1	2.6	.6	.1	.0			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 2800

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14800  
STATION

CHANIE APP ILLINOIS/RANTONL  
STATION NAME

37-70  
YEARS

FFB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.T.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	2.7	1.2	.3	.1	.0	.0				6.2	9.3
NNE	.0	1.2	1.7	1.0	.3	.2	.0					5.3	8.9
NE	.3	1.5	1.8	1.2	.0	.1	.1					5.3	8.8
ENE	.2	.8	1.3	.9	.2	.2						7.6	9.9
E	.7	1.1	2.0	1.0	.0							4.8	7.7
ESE	.5	.6	1.1	.3								2.4	7.2
SE	.5	.7	1.7	1.1	.5	.2	.0					4.6	10.7
SSE	.3	1.4	1.6	1.5	.2	.1	.0					5.1	9.7
S	.7	2.0	2.1	2.2	.5	.0						7.5	9.1
SSW	.7	.9	1.6	1.6	.1							4.9	8.9
SW	.9	1.0	1.7	.9	.2	.1						4.5	9.0
WSW	.6	.9	1.7	.9	.1	.0	.1					4.3	8.8
W	.7	2.1	3.2	1.8	.8	.2	.2	.1				8.9	10.1
WNW	.3	1.5	3.7	3.0	.8	.2						9.3	10.6
NW	.4	1.8	3.7	3.2	.8	.4	.2					10.5	10.8
NNW	.5	1.1	2.2	1.2	.3	.0		.0				5.3	9.3
VARBL													
CALM												7.0	
	8.3	19.9	33.7	23.3	5.3	1.8	.6	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2860

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14306  
 STATION

CHAMPE AFB ILLINOIS/RAHTJL  
 STATION NAME

37-70  
 YEARS

FFB  
 MONTH

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

ALL WEATHER  
 CLASS

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	.9	2.6	1.2	.3	.0	.0					9.7	9.2
NNE	.7	1.4	2.1	1.3	.3							5.8	8.4
NE	1.1	1.3	1.9	.9	.1	.2						5.4	7.9
ENE	.3	1.0	1.1	1.1	.2	.0						3.8	9.5
E	.6	1.3	1.6	.9								4.4	7.7
ESE	.5	.7	1.5	.6	.6							3.3	8.0
SE	.5	.4	1.5	1.3	.3	.0						4.1	10.3
SSE	.6	1.1	2.2	1.3	.3	.0	.1					5.6	9.6
S	.7	1.3	2.6	1.9	.6	.1						7.5	9.9
SSW	.5	.7	1.2	1.7	.3	.1						4.6	10.4
SW	.6	1.3	1.4	1.0	.3	.2	.0					9.1	9.1
WSW	.2	.8	1.1	1.0	.1	.1	.0					3.4	9.7
W	.7	2.2	3.2	1.5	.5	.2	.1	.0				8.4	9.1
WNW	.5	1.7	3.3	3.4	.7	.3	.0					9.9	10.6
NW	.6	1.5	4.2	3.1	1.1	.5	.0					11.0	10.9
NNW	.5	.9	1.9	1.5	.2	.1	.0					9.1	9.8
VARBL													
CALM												6.9	
	9.2	10.5	33.6	23.7	5.8	1.8	.4	.0				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2076

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHARLOTTE AFB ILLINOIS/RANTMIL  
STATION NAME

37-64  
YEARS

MAR  
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	.0	1.5	2.6	1.1	.4							6.4	8.7
NNE	.3	1.2	2.3	1.7	.4	.0						5.5	9.8
NE	.9	1.2	2.8	1.4	.7	.0						7.0	9.4
ENE	.5	1.1	2.0	1.1	.4	.1						5.1	9.3
E	.6	.0	1.8	1.3	.5	.2						5.0	10.3
ESE	.6	1.0	1.4	.5	.0							3.4	7.4
SE	.6	1.1	1.8	1.3	.5	.0						5.2	9.3
SSE	.5	1.2	1.6	.5	.2	.0						4.0	8.1
S	.8	.9	2.2	2.2	.7	.1	.0					6.9	10.4
SSW	.1	.6	2.2	1.5	.6	.0						5.0	10.8
SW	.3	1.0	2.0	1.4	.8	.1	.0					5.5	10.5
WSW	.2	1.1	1.9	.7	.8	.3	.2	.0				5.2	11.4
W	.7	1.7	2.7	1.9	.3	.2	.0					7.5	9.4
WNW	.3	1.9	3.1	1.9	.8	.1						8.3	9.8
NW	.6	1.3	2.6	1.7	.9	.4						7.3	10.5
NNW	.5	.8	1.8	.9	.3	.1						4.3	9.0
VARBL													
CALM												7.4	
	8.1	10.2	34.7	21.3	8.0	1.8	.3	.0				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 2531

3

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/VAC

**SURFACE WINDS**

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

14806 STATION CHANUTE AFB ILLINOIS/RAHTLUL STATION NAME 37-03 YEARS  
 ALL WEATHER CLASS  
 MONTH 0100-0500 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	1.5	2.4	1.2	.4	.0						5.8	8.9
NNE	.2	1.5	2.2	1.4	.5							5.8	9.5
NE	.7	1.4	2.2	1.2	.8	.1						6.3	9.7
ENE	.3	.8	1.6	1.6	.5	.0						4.7	10.5
E	.4	1.1	1.7	1.5	.3	.2						5.1	9.7
ESE	.4	.8	1.6	.6	.0							3.5	8.0
SE	.5	1.1	1.5	1.2	.3	.1						4.8	9.1
SSE	.5	1.2	2.7	.8	.2	.0	.0					5.5	8.5
S	.5	1.0	2.2	1.7	.6	.1	.0					5.2	10.3
SSW	.3	.7	2.0	1.6	.2	.0						4.9	9.8
SW	.8	1.0	1.9	1.2	.2	.2						5.2	9.0
WSW	.2	.8	1.4	1.3	.8	.3	.2					4.9	12.5
W	.8	1.4	3.4	1.9	.7	.3		.0				8.5	9.9
WNW	.3	1.9	2.9	1.8	.6	.1						7.7	9.6
NW	.5	2.1	2.7	1.8	.4	.2						7.8	9.2
NNW	.3	.9	2.4	1.0	.3	.3						5.0	9.4
VARBL													
CALM												8.0	
	7.3	19.2	34.6	21.8	6.8	1.8	.2	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2509

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1980 STATION CHANUTE AFB ILLINOIS/RANTMUL STATION NAME 37-70 YEARS MONTH MAR 0600-0800 HOURS (L.S.T.)  
 CLASS ALL WEATHER  
 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	1.2	2.8	1.4	.2	.1						6.5	9.7
NNE	.4	.9	2.5	1.2	.4							5.4	9.4
NE	.2	1.0	2.1	1.5	.7	.3						6.2	10.4
ENE	.4	.7	1.4	1.7	.5	.1						4.9	10.4
E	.4	1.0	1.6	1.6	.4	.0						5.1	10.0
ESE	.3	.3	1.9	.9	.3	.0						3.8	9.5
SE	.6	1.0	2.0	1.6	.4	.2	.0					5.9	10.2
SSE	.6	1.0	2.0	1.4	.3	.1	.0					5.3	9.6
S	.7	1.2	2.0	2.4	.7	.2	.1					7.2	10.6
SSW	.3	.6	2.2	1.3	.6	.1	.0					5.1	10.7
SW	.4	.7	1.7	1.6	.6	.2	.0					5.3	11.1
WSW	.3	.8	1.5	1.8	.9	.3	.1					5.8	12.2
W	.2	1.2	2.7	2.4	.8	.4	.0	.0				8.1	11.1
WNW	.3	.9	2.6	2.4	.6	.1	.1					7.0	10.8
NW	.5	1.4	2.7	2.0	.7	.2	.0					7.6	10.2
NNW	.4	1.2	2.3	1.4	.2	.0						5.5	9.1
VARBL													
CALM												9.7	
	6.9	13.6	34.2	26.8	6.8	2.4	.5	.0				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 3026

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14846 STATION CHANGI AIR ILLUMS/RANJUL YEARS 37-70 MONTH AR  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 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	.4	2.1	2.0	.9	.1						5.2	10.2
NNE	.4	.6	1.9	1.4	.3	.1						4.7	9.8
NE	.4	1.0	1.8	2.4	.9	.1						6.6	10.8
ENE	.2	.4	1.5	2.0	.6	.1						4.7	11.7
E	.3	.4	1.7	2.2	.4							5.3	10.6
ESE	.1	.5	1.2	1.2	.3							3.4	10.5
SE	.3	.4	1.2	1.5	.6	.2	.0	.0				4.2	12.3
SSE	.2	.7	2.0	2.2	.8	.3	.1					6.2	12.3
S	.3	.8	2.4	3.7	1.7	.5	.0					9.4	13.0
SSW	.2	.5	1.0	2.3	1.4	.7	.1					6.2	14.3
SW	.2	.6	1.4	2.4	1.2	.7	.2	.0				6.7	14.0
WSW	.2	.4	1.7	2.4	1.5	.6	.2	.0				7.0	14.1
W	.2	.5	2.6	3.0	1.1	.6	.2	.0				8.2	13.1
WNW	.2	.6	2.1	3.2	.9	.4	.1					7.5	12.7
NW	.3	.7	2.3	2.2	.6	.4	.0					6.6	11.7
NNW	.2	.9	2.4	2.0	.5	.0	.0					6.1	10.6
VARBL													
CALM												1.3	
	3.8	9.9	29.8	36.0	13.3	4.8	.9	.1				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 3161

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHARLOTTE AFB ILLINOIS/RANTOIL YEARS 37-70 YEAR MONTH JAN  
 CLASS ALL WEATHER HOURS (LST) 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	.4	.7	1.9	2.0	.3	.2						5.5	10.9
NNE	.1	.7	1.5	1.7	.4	.2						4.7	11.0
NE	.3	.3	1.7	1.7	.4	.2						4.6	11.3
ENE	.2	.7	1.7	1.6	.7	.1						4.9	11.2
E	.3	.5	1.5	1.6	.5	.1						4.7	11.1
ESE	.1	.4	1.4	1.0	.2	.1						3.1	10.6
SE	.1	.5	1.3	1.0	.5	.2						3.6	11.4
SSE	.1	.3	1.6	1.3	1.0	.6	.1					5.7	13.7
S	.3	.3	2.3	2.8	1.8	.8	.1	.1				8.5	14.1
SSW	.2	.4	1.2	2.4	2.0	1.1	.1					7.4	15.3
SW	.2	.3	1.6	2.2	1.7	.6	.3	.1				6.9	14.9
WSW	.2	.7	2.0	3.0	1.7	.9	.3					8.8	14.2
W	.3	1.1	2.2	3.4	1.5	.5	.3					9.3	12.9
WNW	.2	.4	1.8	3.5	1.4	.7	.0					8.0	13.9
NW	.2	.5	2.5	2.7	.7	.4	.0					7.1	12.2
NNW	.2	.8	2.2	2.3	.5	.2	.0					6.2	10.9
VARBL													
CALM												.9	
	3.1	8.8	28.6	35.1	12.3	6.6	1.3	.2				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 3158

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14800 STATION      CHANUTE AFB ILLINOIS/RANTJUL STATION NAME      37-70 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	.3	1.2	2.4	2.0	.8	.2						6.8	10.7
NNE	.3	.5	1.6	1.4	.2	.2						4.3	10.5
NE	.5	.8	1.9	1.6	.4	.1	.0					5.5	10.4
ENE	.1	.7	1.6	1.7	.5	.1						4.7	11.0
E	.3	.5	1.4	1.3	.8							4.2	11.2
ESE	.2	.7	1.1	.8	.3	.1						3.2	9.9
SE	.1	.6	1.6	.8	.4	.2	.0					3.8	11.1
SSE	.2	.5	1.9	2.0	.9	.2	.1					5.8	12.3
S	.2	.7	2.6	2.2	1.5	1.0	.1	.1				8.5	13.5
SSW	.4	.3	1.3	2.2	1.2	.3	.1					5.9	13.1
SW	.2	.5	2.1	1.9	1.0	.2	.1					6.1	12.1
WSW	.2	.4	1.5	3.3	1.4	.7	.1					7.9	13.8
W	.0	.6	2.8	3.2	1.5	.7	.2	.1				9.6	12.9
WNW	.1	.4	2.3	3.8	1.5	.3	.1					8.3	13.2
NW	.3	1.0	2.2	3.4	.8	.3						8.0	11.6
NNW	.3	.5	2.6	2.1	.5	.1	.1					6.1	10.9
VARBL													
CALM												1.3	
	4.3	10.0	31.4	33.9	13.7	4.6	.8	.2				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 3161

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHARLIE AFB ILLINOIS/BANTON  
STATION NAME

37-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1400-2000  
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	1.0	2.3	2.1	1.2	.3	.1						6.9	8.1
NNE	.0	1.1	2.3	1.3	.2	.1						5.7	8.9
NE	.0	1.0	2.0	1.9	.6	.1						7.2	9.8
ENE	.4	.9	1.4	1.4	.3	.1						4.6	9.8
E	.0	.7	1.6	1.2	.3	.1	.0					4.9	9.5
ESE	.2	.8	1.2	.9	.2	.1						3.1	9.0
SE	.4	.8	1.7	1.0	.8	.0						4.7	10.2
SSF	.6	1.1	2.2	1.1	.2	.1	.0					5.5	9.0
S	.7	2.3	2.6	1.8	.6							7.9	8.8
SSW	.3	1.1	1.7	1.2	.6	.1						5.1	9.8
SW	.4	1.2	2.7	.7	.3	.1						5.3	8.5
WSW	.4	.8	1.4	1.4	.6	.1	.0					4.7	10.6
W	.0	1.4	2.6	2.7	.9	.3	.1					8.1	10.6
WNW	.3	1.2	2.9	2.2	.3	.5	.0					7.6	11.0
NW	.8	1.1	3.0	1.4	.5	.1						7.0	9.1
NNW	.4	1.6	3.0	1.3	.3	.1	.0					6.7	8.9
VARBL													
CALM												5.0	
	8.7	19.7	35.3	22.2	6.7	1.9	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 3160

DATA PROCESSING DIVISION  
 ETAG/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806 STATION CHARLETT AFB ILLINOIS/KANT ILL 37-70 YEARS MONTH VAR 2100-2300  
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

ALL WEATHER CLASS

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	2.3	1.6	1.3	.3	.2	.0					6.6	8.3
NNE	.4	1.6	2.2	1.2	.4	.1						6.3	8.9
NE	.8	1.5	2.9	2.0	.7	.1						7.9	9.5
ENE	.6	1.1	1.7	1.3	.3	.1						5.2	9.3
E	.5	1.0	1.0	1.2	.4	.2						4.8	9.5
ESE	.4	.4	1.2	.7	.2							3.0	9.0
SE	.6	1.1	1.7	1.3	.5	.2						5.4	9.3
SSE	.7	1.1	2.0	.9	.4							5.1	8.6
S	.8	1.6	3.0	2.0	.7	.3		.0				8.4	10.0
SSW	.2	1.0	1.5	1.2	.4		.0					4.3	9.8
SW	.4	1.4	2.2	.9	.2	.1	.0					5.2	8.7
WSW	.3	1.4	1.9	1.2	.3	.3	.1					5.5	9.7
W	.2	1.3	2.4	2.0	.4	.3						6.9	10.1
WNW	.4	1.2	3.1	1.7	.6	.4						7.4	10.6
NW	.8	.9	2.2	1.6	.7	.1	.0					6.4	10.0
NNW	.7	1.1	1.7	1.3	.4	.0						5.2	9.0
VARBL													
CALM												6.8	
	9.6	20.1	32.9	22.0	6.8	2.2	.2	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 3150

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHANDLER AFB ILLINOIS/RANTUHL  
STATION NAME

37-63  
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	.4	1.1	2.9	1.6	.4	.2						6.5	9.7
NNE	.2	.7	2.9	1.4	.2							3.5	9.4
NE	.7	.7	2.9	1.5	.7	.1						6.7	9.2
ENE	.3	1.1	1.2	1.1	.4	.2						4.3	9.3
E	.0	1.2	2.3	1.0	.4	.0	.0					5.5	8.9
ESE	.2	.7	1.5	.8	.1							3.5	9.6
SE	.4	1.8	3.0	1.4	.0	.1						6.7	8.5
SSE	.7	1.3	1.9	1.0	.2	.0		.0				5.1	8.6
S	.7	1.4	3.2	2.3	.6	.2	.1					8.5	10.3
SSW	.2	.9	2.0	1.7	.7	.2		.0				5.7	11.4
SW	.5	.9	2.6	1.1	.5		.1					5.6	9.5
WSW	.4	1.2	1.5	.7	.4	.3	.0					4.5	10.1
W	.7	1.4	3.2	1.4	.5	.2	.0					7.4	9.5
WNW	.2	.9	2.4	1.6	.5	.1						5.7	10.2
NW	.7	1.2	2.7	1.5	.3	.0						6.5	9.9
NNW	.2	.4	1.9	1.5	.2							4.3	9.8
VARBL													
CALM												7.7	
	7.2	17.0	38.3	21.5	6.0	1.7	.3	.1				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

2418

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14306 STATION CHANUTE AFB ILLINOIS/KANTILL STATION NAME 37-25 YEARS APR MONTH  
 ALL WATHER 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	.0	.7	2.6	1.2	.4	.1						3.7	9.3
NNE	.4	.8	2.2	1.4	.2							5.0	9.2
NE	.5	1.3	2.4	1.7	.5	.2		.0				6.6	10.0
ENE	.4	1.0	1.5	1.3	.3	.1	.0					4.7	10.1
E	.2	1.4	1.7	1.1	.3							4.9	8.8
ESE	.5	1.0	1.3	.7	.1	.0						3.7	8.0
SE	.7	2.0	3.1	1.0	.4	.1	.0					7.3	8.4
SSE	.4	1.2	2.1	.9	.2	.1						5.0	8.8
S	.6	1.3	3.3	1.7	.7	.0	.0					7.4	9.8
SSW	.2	.8	1.8	1.8	.4	.1	.2					5.3	11.1
SW	.5	1.4	2.5	1.2	.2	.2	.1					6.0	9.1
WSW	.3	1.2	1.1	1.2	.3	.2						4.7	9.9
W	.3	1.9	2.8	1.6	.6	.1						7.3	9.5
WNW	.3	1.2	2.9	1.7	.6	.0						6.8	9.7
NW	.6	1.7	2.6	1.7	.6	.0						7.2	9.4
NNW	.2	.8	2.5	1.7	.3	.0						5.5	10.3
UNDIR													
CALM												7.2	
	7.3	19.0	36.3	21.8	6.1	1.3	.4	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 2423

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAL

# SURFACE WINDS

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

14806 STATION CHANDLER AFB ILLINOIS/RANTAPUL STATION NAME 37-70 YEARS

APR MONTH

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

ALL WEATHER CLASS

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	2.1	1.6	.4	.1						5.4	10.2
NNE	.2	.6	2.0	2.0	.5	.1						5.4	10.8
NE	.3	.6	2.0	1.7	.6	.2						5.5	11.1
ENE	.2	.7	1.7	1.4	.3	.1						4.4	10.6
E	.5	1.2	2.4	2.0	.5	.0	.0					6.7	10.1
ESE	.3	.7	1.5	1.2	.4	.1						4.1	10.0
SE	.6	.3	2.5	2.0	.6	.1	.0					6.7	10.4
SSE	.5	.6	2.5	2.6	.5	.1						6.9	10.4
S	.5	.8	3.2	3.2	.6	.3	.2					8.7	11.4
SSW	.3	.7	1.9	2.8	.7	.2	.0					6.7	11.9
SW	.4	.6	1.8	2.1	.4	.4	.2					6.0	12.0
WSW	.2	.6	1.0	1.7	.4	.1	.0	.0				4.0	12.1
W	.5	.3	1.8	1.9	.8	.4						6.1	11.4
WNW	.2	.9	2.5	2.9	1.2	.0	.0					7.9	11.5
NW	.2	.8	2.1	1.9	.7	.1	.0					5.9	11.2
NNW	.2	.9	2.4	2.2	.6	.1						6.4	11.1
VARBL													
CALM												7.1	
	5.2	12.3	33.6	33.1	9.4	2.5	.6	.0				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 2944

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14800  
STATION

CRICHTS AFB ILLINOIS/RANTUHL  
STATION NAME

37-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
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	.7	1.6	1.6	.6	.1	.0					4.7	11.4
NNE	.2	.4	2.0	2.1	.6	.1						5.4	11.5
NE	.4	.4	1.4	1.3	1.0	.2	.0					5.6	12.0
ENE	.2	.4	1.2	1.3	.6	.1						4.7	11.8
E	.2	.5	1.7	2.3	.4	.1						5.2	11.4
ESE	.2	.5	1.5	1.2	.6	.1						4.4	11.2
SE	.2	.2	1.6	2.2	.8	.4						5.2	12.9
SSE	.2	.6	1.6	2.7	1.4	.3	.0					6.8	12.9
S	.2	.5	1.9	3.5	1.8	.4	.2					8.5	13.7
SSW	.2	.2	1.8	3.0	2.1	1.3						8.7	15.1
SW	.1	.3	1.2	2.9	1.1	.6	.3	.1				6.9	15.4
WSW	.1	.3	1.2	2.3	1.3	.6	.2					5.9	14.7
W	.2	.7	1.3	2.1	1.5	.9	.1	.1				6.9	14.5
WNW	.2	.4	1.5	3.1	1.7	.5						7.3	13.8
NW	.2	.7	2.0	2.6	1.1	.3						6.8	12.1
NNW	.2	.4	2.2	3.0	.8	.1						6.7	11.9
VARBL													
CALM												.9	
	3.0	7.2	26.1	38.1	17.5	6.1	.8	.2				100.0	13.0

TOTAL NUMBER OF OBSERVATIONS

3060

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14805  
STATION #

CHARLETTON ILLINOIS/RANTJOL  
STATION NAME

27-70  
YEARS

APR  
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	.5	1.0	1.9	.5	.3						4.3	11.2
NNE	.2	.7	1.7	1.9	.5	.1						5.1	11.1
NE	.1	.6	1.8	1.6	1.1	.2	.0	.0				5.5	12.4
ENE	.1	.5	1.0	1.7	.6	.1						4.1	11.9
E	.4	.7	2.0	1.5	.5	.1						5.1	10.4
ESE	.1	.2	1.1	1.5	.4							3.3	11.8
SE	.1	.5	1.6	1.8	.9	.2	.0					5.1	12.6
SSE	.1	.2	1.4	2.4	.9	.2	.0	.0				5.5	13.4
S	.1	.3	1.7	3.0	2.4	1.0	.2					8.8	15.5
SSW	.1	.3	1.0	3.3	1.6	1.9	.1					9.7	15.7
SW	.2	.3	1.3	2.1	1.7	1.3	.2					7.1	15.7
WSW	.2	.4	1.4	2.5	1.4	.8	.5	.0				7.2	15.0
W	.3	.5	1.8	2.7	1.5	1.0	.3					8.1	14.5
WNW	.1	.5	1.4	3.3	1.5	.8	.1					7.5	14.5
NW	.1	.7	1.6	2.6	1.4	.2	.1					6.9	13.0
NNW	.1	.4	1.6	2.7	.7	.2						5.6	12.3
VARBL													
CALM												.7	
	2.7	7.4	24.8	36.6	17.9	8.3	1.6	.1				100.0	13.5

TOTAL NUMBER OF OBSERVATIONS

3023

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14807 STATION      CHANIE AFB ILLINOIS/ROTTORL STATION NAME      31-70 YEAR      APR MONTH  
 ALL WEATHER CLASS      1500-1700 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
M	.2	.9	1.9	2.0	.7	.2						5.7	11.2
NNE	.2	.7	1.9	2.3	.4	.2						3.6	11.3
NE	.2	.3	2.5	1.7	.9	.2	.1					5.7	12.2
ENE	.1	.7	1.3	1.4	.5	.1						4.1	11.3
E	.2	.7	1.8	1.3	.5	.0						4.4	10.5
ESE	.2	.7	1.5	1.5	.2	.1						4.1	10.6
SE	.2	.5	1.4	2.0	.7	.1	.1					4.8	12.9
SSE	.1	.4	1.4	2.1	1.0	.3	.0					3.4	12.3
S	.2	.5	2.0	1.5	2.0	1.0	.3	.1				10.4	14.5
SSW	.1	.4	1.6	3.1	1.4	.6	.1					7.2	4.0
SW	.1	.4	1.5	2.0	1.3	.6	.1					5.9	4.0
WSW	.1	.4	1.5	2.5	1.2	.6	.1	.1				6.5	14.3
W	.2	.3	2.4	2.7	1.5	.8	.6					7.9	13.7
WNW	.2	.3	1.3	3.4	2.0	.5	.1	.0				7.9	14.4
NW	.2	.7	1.9	2.7	.9	.3						6.7	12.4
NNW	.2	.5	2.2	2.5	.5	.0						6.6	11.0
VARBL													
CALM												1.4	
	2.0	8.1	23.2	27.2	15.6	9.8	.2	.2				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS      3055

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14800 STATION NAME: GRANDVIEW AFB ILLINOIS/RANTOUL YEARS: 77-70 MONTH: APR  
 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	.2	1.0	2.4	1.6	.2	.1						5.2	9.4
NNE	.4	.8	2.6	1.8	.4	.1						6.1	10.1
NE	.7	1.4	2.4	1.7	.9	.4	.0					7.6	10.6
ENE	.3	.7	1.8	1.0	.4	.1						4.3	9.8
E	.5	1.2	2.7	1.0	.3	.1						5.9	8.7
ESE	.2	.7	2.1	.3	.0	.0						3.5	8.5
SE	.3	1.3	2.9	1.4	.3							6.3	9.1
SSE	.3	1.3	2.2	1.2	.4	.1						5.6	9.5
S	.4	1.2	3.8	3.3	.8	.3	.1					13.6	10.5
SSW	.2	.9	2.2	2.1	.5	.2						6.1	10.9
SW	.4	.8	2.4	.8	.4	.3	.1					5.7	10.1
WSW	.3	1.2	1.0	1.0	.3	.2						4.7	9.8
W	.3	1.1	2.1	1.6	.8	.3	.1					6.3	11.0
WNW	.4	.7	2.5	2.3	.6	.1						6.5	10.6
NW	.4	.7	2.7	2.0	.6	.1						6.3	10.7
NNW	.4	1.1	2.2	1.2	.3							5.3	8.9
VARBL													
CALM												9.3	
	5.9	16.4	38.0	24.7	7.0	2.5	.2					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 3035

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14800  
STATION

CHANDLER AFB ILLINOIS/KANTOUL  
STATION NAME

37-70  
RL

APR  
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	.2	.7	2.2	1.4	.3		.0					5.9	9.5
NNE	.4	.9	2.6	1.7	.4	.0						6.0	9.6
NE	.7	1.3	2.3	2.5	.4	.2	.1	.0				7.5	10.2
ENE	.2	1.3	1.7	1.1	.1	.1						4.7	9.3
E	.1	1.3	2.5	1.3	.4	.1						6.3	8.8
ESE	.2	1.0	1.9	.8		.1						4.3	8.0
SE	.4	1.4	2.9	1.3	.4	.0	.0					6.5	9.7
SSE	.4	1.6	2.7	1.3	.6	.1						6.7	9.4
S	.6	1.3	3.4	2.9	.7	.2	.1	.0				9.1	10.6
SSW	.4	1.0	1.8	1.2	.6	.3	.0					5.6	10.8
SW	.6	1.4	1.6	.8	.3	.2						4.8	8.8
WSW	.4	1.1	1.4	.8	.5	.2						4.3	10.7
W	.4	1.4	2.6	1.7	.3	.1	.0					6.4	9.7
WNW	.4	.7	2.1	1.5	.5	.1						5.2	10.3
NW	.2	.9	2.3	1.5	.3	.1						5.5	9.4
NNW	.3	.5	1.4	1.2	.2	.1						3.6	10.1
VARBL													
CALM												7.8	
	7.3	17.8	36.6	22.9	6.0	2.0	.3	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

3025

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14800 STATION COMPTON AFB ILLINOIS/RANTHOL STATION NAME 37-62 YEARS MAY MONTH  
ALL WEATHER CLASS 0000-0700 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	1.1	3.7	1.1	.4	.6						6.0	9.3
NNE	.6	1.0	3.2	.7	.1	.1						5.6	7.9
NE	1.2	1.7	2.5	.9	.1	.1						6.4	7.0
ENE	.9	1.2	1.8	.7								4.6	7.1
E	1.0	1.7	1.5	.7	.2							5.1	7.3
ESE	.9	1.2	1.6	.4		.0						3.8	6.5
SE	1.0	1.2	2.6	.5								5.0	7.0
SSE	.9	1.6	2.3	1.0	.3	.1						6.1	8.1
S	1.4	2.1	4.0	1.4	.5	.1						9.3	8.4
SSW	.6	1.0	2.8	1.7	.2	.0						6.4	9.2
SW	.8	1.1	3.3	1.1	.2							7.1	8.1
WSW	.6	.8	1.7	.9	.2	.1	.0					4.3	9.3
W	.8	.9	2.4	.5	.3	.1						5.1	8.5
WNW	.7	.9	2.2	.3	.1							4.3	7.4
NW	.6	1.0	2.4	.8	.1							4.9	9.1
NNW	.3	.5	1.8	.8	.1							3.7	8.7
VARBL													
CALM												10.6	
	13.4	19.8	35.7	13.1	2.6	.6	.0					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14809  
STATION

CHANDLER AFB ILLINOIS/RAH10L  
STATION NAME

37-65  
YEARS

DAY  
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	48-54	≥55	%	MEAN WIND SPEED
N	.2	1.2	2.0	1.7	.2							3.7	8.7
NNE	.5	1.2	1.9	1.0	.1	.0	.0					2.7	8.4
NE	1.2	1.0	1.0	1.1	.1							2.7	7.3
ENE	.8	1.0	1.6	1.2	.1							3.3	7.7
E	1.2	1.9	1.3	.0	.1							3.1	6.5
ESE	.7	.9	1.2	.5	.1	.0						3.5	7.5
SE	1.3	1.8	2.4	.8	.2	.0	.0					6.6	7.4
SSE	.9	1.9	1.8	1.0	.1							3.7	7.5
S	1.0	2.4	2.7	1.5	.4	.1						5.0	8.5
SSW	.3	1.2	3.3	1.6	.5							6.7	9.6
SW	.8	1.4	2.7	.9	.4	.0						6.3	8.4
WSW	.5	.8	1.8	.6	.1	.0						3.8	8.3
W	1.0	1.0	1.7	.7	.1	.1						4.0	8.1
WNW	.5	1.0	2.2	.5	.2							3.3	8.7
NW	.7	.8	2.9	.8	.1							3.3	8.2
NNW	.2	.8	3.0	1.0	.0							5.0	7.7
VARBL													
CALM												12.5	
	12.3	21.5	33.1	19.4	2.7	.4	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

2510

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHARLOTTE AFB ILLINOIS/RAUTHER YEARS 37-70 MONTH MAY  
 CLASS ALL WEATHER HOURS (LST) 0000-0800  
 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	1.1	2.2	1.8	.3							6.0	9.6
NNE	.2	.9	2.1	1.5	.2	.1		.0				5.4	9.4
NE	.6	1.0	2.2	1.0	.1							4.9	8.3
ENE	.3	.7	1.8	1.0	.2							4.6	9.8
E	.5	1.1	2.3	1.0	.1							5.0	8.4
ESE	.4	.9	2.2	1.4	.2							5.1	8.8
SE	.3	1.0	2.5	1.4	.3	.1						5.9	9.8
SSE	.7	.9	2.6	1.5	.4	.1	.1					6.3	9.4
S	.7	2.2	2.8	2.8	.5	.2						9.1	9.8
SSW	.5	1.0	3.0	3.2	1.0	.2						8.9	11.1
SW	.2	.7	3.0	2.5	.9	.2	.1					7.6	11.5
WSW	.3	.9	2.1	1.9	.6	.2						5.9	10.9
W	.2	1.0	2.4	1.2	.4	.2						5.8	9.7
WNW	.4	1.3	2.1	1.6	.2	.0						5.7	9.0
NW	.4	.6	1.8	1.2	.3							4.3	9.3
NNW	.2	.8	2.0	1.5	.2							4.6	9.8
VARBL													
CALM												4.4	
	7.1	16.3	37.1	27.2	6.2	1.2	.2	.0				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 3129

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAG

# SURFACE WINDS

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

STATION 14806 STATION NAME CHARLETTA SPR ILLINOIS/RACINE YEAR 37-70 MONTH MAY  
 CLASS ALL WEATHER HOURS (L & T) 0900-1100  
 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	.6	2.2	1.6	.7		.1					5.6	10.6
NNE	.3	.6	2.2	1.8	.3							5.2	9.9
NE	.3	.5	1.8	2.0	.2	.0						4.6	10.3
ENE	.4	.6	1.6	1.6	.2							4.3	9.9
E	.2	.4	1.9	1.5	.4							4.4	10.4
ESE	.3	.5	1.6	1.1	.2	.0						3.8	10.0
SE	.4	.9	1.6	1.4	.8		.1					5.2	10.7
SSE	.3	.9	1.9	2.0	.7	.3	.1					6.1	11.7
S	.4	1.0	2.7	2.7	1.1	.4	.1	.0				8.4	12.1
SSW	.2	.0	2.4	3.6	2.1	.6	.2					9.6	13.7
SW	.3	.5	2.3	3.2	1.8	.7	.1					8.9	13.4
WSW	.2	.3	2.2	3.6	1.4	.3	.0					8.1	13.0
W	.5	.5	2.4	2.3	.9	.3						6.7	10.7
WNW	.1	.6	1.8	2.3	.5	.1	.1					5.5	11.8
NW	.3	.8	2.4	2.1	.4	.0						6.0	10.4
NNW	.4	.9	1.9	1.8	.3	.0	.0					5.3	10.1
VARBL												2.1	
CALM												2.1	
	5.2	10.4	32.6	34.5	11.6	2.7	.8	.0				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 3152

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806 STATION CHANUTE AFB ILLINOIS/HANTOUL 37-70 DAY MONTH 1200-1400 HOUR (LST)

ALL WEATHER CLASS

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	.9	2.3	2.3	.4	.0						6.2	10.4
NNE	.2	.9	2.0	1.2	.5	.0						4.5	10.4
NE	.2	.6	1.6	1.3	.1							4.0	9.7
ENE	.2	.3	1.4	1.3	.3							3.4	11.3
E	.2	.3	1.6	1.4	.2	.1						4.1	9.8
ESE	.3	.6	1.6	1.1	.3							3.7	9.8
SE	.3	.6	1.3	1.3	.7	.0	.0					3.9	10.8
SSE	.1	.2	2.0	2.0	.4	.3	.1					5.5	11.8
S	.3	.9	2.5	3.3	1.9	.6	.3	.1				9.9	13.4
SSW	.4	.7	2.3	3.7	2.2	.9	.2					10.3	14.1
SW	.4	.5	1.8	2.8	1.5	.8	.1					7.7	13.7
WSW	.2	.3	2.4	2.9	1.1	.5	.2	.0				8.1	12.8
W	.4	.7	2.1	2.9	.6	.4						7.1	11.7
WNW	.3	.9	2.6	2.6	.9	.1						7.4	11.2
NW	.3	.6	2.0	1.8	.6	.1						5.5	11.0
NNW	.2	.8	2.1	2.1	.5							5.6	10.6
VARBL													
CALM												2.0	
	4.3	10.4	31.7	34.7	11.8	3.9	.9	.1				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 3156

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/AC

### SURFACE WINDS

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

STATION 14806 STATION NAME CHANOTE AFB ILLINOIS/RANTJUL YEARS 37-70 DAY MONTH 1900-1700  
STATION STATION NAME YEARS MONTH  
 CLASS ALL WEATHER  
CLASS  
 CONDITION \_\_\_\_\_  
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	2.0	2.4	.5	.0						6.0	10.8
NNE	.2	.4	2.2	2.4	.8	.1						6.0	11.6
NE	.3	.8	2.0	1.3	.4							4.8	9.9
ENE	.2	.4	1.2	.9	.4	.0						3.2	10.9
E	.4	.7	1.6	1.3	.1	.0						4.1	9.3
ESE	.3	.3	1.9	1.6	.3							4.4	10.2
SE	.3	.5	1.6	.8	.5	.0	.1	.0				3.8	10.4
SSE	.4	.5	2.0	1.8	.8	.2	.1					5.9	11.7
S	.4	1.2	2.3	3.2	1.6	.5	.2					9.3	12.9
SSW	.2	.6	2.3	3.7	1.9	.9	.2					9.9	13.9
SW	.2	.4	2.2	2.5	1.1	.4	.1					6.9	12.6
WSW	.3	.7	2.4	2.4	.7	.4						5.9	11.8
W	.4	.9	2.6	2.5	.5	.3		.0				7.2	11.0
WNW	.2	.6	2.5	2.9	1.0	.3						7.4	11.9
NW	.2	.6	2.5	2.2	.7	.1						6.2	11.7
NNW	.1	.8	2.8	2.3	.4	.1	.0					6.5	10.7
VARBL													
CALM												1.7	
	4.3	10.1	34.3	34.1	11.6	3.2	.6	.1				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 3142

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHANDLER AFB ILLINOIS/RANTHUL  
STATION NAME

27-10  
YEARS

MAY  
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	1.0	1.2	2.0	1.6	.2	.1						6.7	8.7
NNE	.3	1.0	2.5	2.2	.6							7.7	10.2
NE	.7	1.2	3.1	1.2	.3	.0						6.3	8.7
ENE	.3	.9	1.9	1.0	.2							4.3	8.7
E	.5	1.2	2.4	.8	.0							4.5	7.8
ESE	.3	.7	1.8	.8	.0							3.6	8.5
SE	.5	1.3	2.1	1.0	.1							5.0	8.1
SSE	.6	1.1	2.5	1.1	.2	.0						5.5	8.3
S	1.0	2.1	4.9	2.7	.5	.2	.1	.0				11.5	9.8
SSW	.3	1.4	2.9	2.2	1.0	.2	.1					8.1	10.7
SW	.6	1.4	2.5	1.3	.2	.0	.0					6.1	8.7
WSW	.3	1.0	1.7	.6	.2	.0	.0					3.9	8.7
W	.5	1.0	1.9	1.2	.4	.0						5.1	9.1
WNW	.6	1.3	2.5	1.3	.3	.0						6.0	8.8
NW	.4	1.1	2.7	1.0	.2							5.3	8.6
NNW	.5	1.0	2.3	.7	.2	.1						4.9	8.8
VAPBL													
CALM												4.9	
	8.2	19.1	41.2	20.7	4.4	.8	.2	.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 3154

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

18806 STATION CRANFORD AFB ILLINOIS/RANTQUL STATION NAME 37-70 YEARS MAY 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	1.0	1.3	2.4	1.2	.4	.0						6.3	8.6
NNE	.6	1.0	2.7	1.7	.3							7.3	9.0
NE	1.0	1.3	2.9	1.1	.1	.0						6.4	7.9
ENE	.6	1.3	1.6	1.0	.1	.0						4.7	8.1
E	1.0	1.6	1.8	.7	.1							5.2	7.0
ESE	.7	.9	1.6	.5	.0							3.8	7.1
SE	.9	1.6	2.7	.9	.1	.1						6.2	7.6
SSE	.9	1.7	2.6	1.1	.0							6.3	7.7
S	.8	2.4	3.1	2.1	.3	.1						10.9	8.7
SSW	.9	1.4	2.3	1.2	.6	.1	.0	.0				4.6	9.2
SW	1.1	2.0	2.2	1.2	.1	.0						6.6	7.7
WSW	.5	1.1	1.8	.5	.1	.1	.0					4.1	8.4
W	.2	1.4	2.1	.6	.1	.0						4.6	8.1
WNW	.5	1.0	1.9	.6	.1							4.2	7.7
NW	.5	1.0	1.7	.5	.1							3.7	7.5
NNW	.6	1.0	1.4	.5	.2	.0	.1					3.7	8.2
VARBL													
CALM												9.5	
	11.7	21.9	37.8	15.5	2.7	.6	.1	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2940

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 14606      STATION NAME: GRANITE AFB ILLINOIS/RANTHUL      YEARS: 37-62      MONTH: JUN  
 CLASS: ALL WEATHER      HOURS (L.S.T.): 0000-0200  
 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	1.1	1.9	.3	.0	.0						6.2	7.1
NNE	.7	1.8	2.0	.6								5.0	6.8
NE	1.7	1.8	2.7	.6	.1							6.8	6.9
ENE	.8	.7	1.8	.2								3.6	6.9
E	1.4	1.2	1.3	.2								4.1	5.5
ESE	.9	1.1	.9	.2								3.0	5.8
SE	.8	1.6	2.4	.3	.0							5.1	7.0
SSE	1.4	1.9	3.0	.6	.1							7.0	6.7
S	1.9	2.7	4.0	.6	.2							9.4	6.7
SSW	.8	1.5	3.5	1.5	.3							7.5	8.5
SW	1.5	2.7	3.4	1.0	.1							8.8	7.1
WSW	.6	1.3	2.2	.7	.1	.0						4.9	7.4
W	.9	1.2	1.8	.2	.0							4.7	6.3
WNW	.3	.9	2.4	.1	.0		.0					4.3	8.1
NW	.7	1.5	1.5	.3	.0							4.1	6.6
NNW	.3	1.0	1.2	.2								2.7	6.9
VARBL													
CALM												15.4	
	15.4	23.9	30.1	8.1	1.0	.1	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2336

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14806 CHAIR TE APR ILLINOIS/RANDOLPH STATION NAME: 17-05 YEARS: JUN MONTH: JUN  
 CLASS: ALL WEATHER HOURS (L.S.T.): 0300-0500  
 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	.0	1.1	2.2	.3	.0							4.4	6.9
NNE	.0	1.7	2.4	.3	.1							5.3	6.9
NE	1.9	1.6	2.6	.0	.1							6.4	6.8
ENE	.6	1.0	1.4	.2	.1							3.3	6.8
E	.9	1.5	1.1	.2		.0						3.7	6.1
ESE	1.1	1.0	1.1	.2								3.4	5.6
SE	1.7	1.2	2.2	.3								5.5	6.0
SSE	1.2	2.3	2.1	.4	.1	.0						6.1	6.6
S	1.4	2.5	3.0	.6	.1	.0						7.7	6.8
SSW	.9	1.5	3.0	1.4	.2		.0					7.0	8.4
SW	.9	2.0	4.0	1.0	.3							8.3	7.8
WSW	.7	.9	1.5	.5	.1							4.0	7.2
W	1.4	1.9	1.9	.2	.1	.0						5.6	6.3
WNW	.7	.9	1.8	.4	.2							4.0	7.5
NW	.5	1.3	2.3	.4								4.5	7.2
NNW	.2	.8	1.6	.2	.0							2.8	7.7
VARBL													
CALM												17.9	
	15.4	23.4	34.7	7.1	1.4	.2	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2427

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14906 CHAD TR APR ILLINOIS/KANTOIL 37-70 JUN  
STATION STATION NAME YEARS 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	1.0	.7	1.7	.5	.0	.1						4.1	7.5
NNE	.3	1.4	2.2	.4	.0							4.7	7.8
NE	.0	1.2	2.4	.9	.1							5.6	7.8
ENE	.4	.9	2.0	.8	.0							4.1	8.3
E	1.1	1.2	1.9	.7								4.9	6.7
ESE	.3	1.0	1.5	.6								3.8	7.0
SE	.2	1.2	2.5	.7	.1							4.9	7.9
SSE	.8	1.5	2.8	.9	.1							6.1	8.0
S	.9	2.4	4.0	2.3	.2	.0						9.9	8.5
SSW	.6	1.4	3.6	2.5	.8	.1						9.1	10.0
SW	.8	1.2	4.0	2.9	.6	.2						9.9	9.9
WSW	.4	1.2	2.9	1.5	.3							6.6	9.1
W	.7	2.2	2.6	1.6	.3							7.5	8.4
WNW	.3	1.0	1.8	.8	.1	.0						4.1	8.7
NW	.0	.8	1.6	.8	.1							3.9	8.1
NNW	.3	.9	1.5	.8	.0							3.4	8.3
VARBL													
CALM												7.4	
	10.2	21.0	32.1	19.2	2.8	.4						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 3060

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTON  
STATION NAME

37-70  
YEARS

JUN  
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	1.2	2.0	.6	.2	.1						4.5	8.4
NNE	.5	1.1	1.9	1.0	.1							4.6	8.3
NE	.1	.8	2.5	1.0	.1							4.5	9.1
ENE	.4	.0	2.1	.8	.2							4.1	8.7
E	.9	1.3	1.4	1.0								4.7	7.4
ESE	.4	.8	1.6	.8	.1							3.6	8.4
SE	.6	.7	1.8	.7	.2	.1		.0				4.1	8.9
SSE	.2	.9	2.4	1.5	.2	.0						3.3	9.6
S	.5	1.1	3.2	2.6	.8	.1	.0					8.2	10.2
SSW	.5	1.4	3.8	3.8	.8	.1	.1					10.5	10.7
SW	.6	.9	3.4	3.9	1.4	.3	.0					10.5	11.8
WSW	.3	1.1	3.6	3.5	1.3	.4	.1	.0				10.2	11.8
W	.5	1.4	2.6	2.7	.2	.0						7.4	9.7
WNW	.3	.8	2.0	1.7	.4	.0						5.2	10.3
NW	.4	.9	1.7	1.1	.2							4.3	8.8
NNW	.4	.7	1.6	1.3	.4							4.5	9.6
VARBL													
CALM												3.9	
	6.9	15.7	37.7	28.0	6.4	1.1	.2	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

3096

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14800  
STATION

CHARLE AFB ILLINOIS/RANTOUL  
STATION NAME

37-70  
YEARS

JUN  
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	.6	1.2	2.2	1.1	.2	.0						5.2	8.4
NNE	.4	.8	1.9	1.8	.0							5.0	9.3
NE	.5	.8	2.4	1.0	.1							4.9	8.3
ENE	.3	.8	1.6	.8	.0							3.6	8.4
E	.4	1.0	1.4	.8	.0							3.7	7.8
ESE	.2	.5	1.6	.6	.1							2.9	8.8
SE	.7	.5	1.8	.9	.2							4.0	8.5
SSE	.2	.9	2.3	1.5	.2	.1						5.3	10.0
S	.4	1.0	3.6	2.9	.8	.1						8.9	10.5
SSW	.3	.8	3.9	4.5	2.0	.4	.0					12.6	12.1
SW	.4	1.0	3.4	3.6	1.1	.4	.1					9.9	11.8
WSW	.3	1.3	2.8	3.0	1.1	.5						9.0	11.5
W	.5	.9	2.6	3.0	.8	.3	.0					8.1	11.3
WNW	.4	.8	1.7	2.0	.4							5.2	10.3
NW	.2	.5	1.7	1.2	.5	.0						4.1	10.6
NNW	.3	1.0	1.8	1.5	.2							4.7	9.5
VARBL													
CALM												3.6	
	6.3	13.8	36.7	30.1	7.7	1.8	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 3050

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAG

**SURFACE WINDS**

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

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 17-70 YEARS JUN MONTH  
 CLASS ALL WEATHER 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	.4	1.3	2.5	1.3	.2	.0	.0					5.7	9.0
NNE	.3	1.0	2.5	1.6	.2	.0						5.7	9.3
NE	.6	1.4	2.2	1.2	.2	.0		.0				5.6	8.8
ENE	.2	.6	1.7	.6	.1							3.2	8.7
E	.5	1.0	1.9	.8								4.2	7.7
ESE	.2	.5	1.2	.4	.0							2.3	8.3
SE	.6	.6	2.0	.9	.1		.0					4.2	8.7
SSE	.4	.9	2.3	1.4	.3							5.2	9.4
S	.5	1.3	3.9	3.1	.7	.2						9.7	10.4
SSW	.1	1.0	3.6	4.1	1.0	.3						10.2	11.6
SW	.3	.8	2.9	3.4	1.4	.5						9.3	12.4
WSW	.3	.9	3.0	2.9	.6	.2	.0					8.2	10.8
W	.4	.9	2.6	2.6	.4	.2						7.0	10.6
WNW	.3	.6	2.9	1.9	.3	.1						6.0	10.2
NW	.2	1.0	2.8	1.2	.2	.0						5.6	9.4
NNW	.3	.8	2.0	1.2	.3		.0					4.6	9.8
VARBL													
CALM												3.2	
	5.9	14.6	40.0	28.6	6.0	1.5	.1	.0				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 3058

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHANUTE AFB ILLINOIS/RANTOUL YEARS 27-70 MONTH JUN  
 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	.6	1.2	2.1	1.1	.1							5.1	8.2
NNE	.5	1.4	2.7	1.4	.1							6.1	8.4
NE	1.2	2.1	3.2	1.0	.1	.0						7.8	7.5
ENE	.5	.9	1.4	.7	.1	.1						3.6	8.1
E	1.1	1.2	2.1	.2								4.6	6.1
ESE	.7	.9	1.3	.1								2.9	6.2
SE	.8	1.4	2.8	.3	.0							5.3	6.9
SSE	.8	2.0	3.1	.6		.0						6.4	7.0
S	1.4	4.0	4.8	1.7	.1							12.1	7.5
SSW	.9	2.1	3.8	1.7	.4	.1						8.9	8.6
SW	.6	1.7	3.1	2.2	.2	.0						7.6	9.0
WSW	.5	.8	1.8	.7	.2		.0					4.1	8.5
W	.6	1.7	2.4	.7	.0							7.4	7.5
WNW	.4	.9	1.7	.7	.1							3.8	8.4
NW	.5	1.1	2.3	.4								4.7	7.3
NNW	.5	.9	1.8	.4	.1	.0	.0	.0				3.8	8.2
VARBL													
CALM												8.2	
	11.6	24.3	40.5	13.6	1.5	.3	.1	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 3055

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHANGI AFB ILLINOIS/KANTOUL  
STATION NAME

17-70  
YEARS

JUN  
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	1.0	1.0	1.2	.7								4.0	6.9
NNE	.0	1.7	2.8	.7	.1							5.9	7.5
NE	1.2	2.5	3.1	.7	.2		.0					7.8	7.1
ENE	.9	1.4	1.9	.2	.0							4.4	6.4
E	.7	1.2	1.0	.4	.0							4.1	6.7
ESE	.9	1.1	1.0	.1								3.0	5.6
SE	1.3	1.5	2.1	.4	.1							5.3	6.4
SSE	1.2	2.9	2.7	.6	.1							7.5	6.6
S	2.0	3.8	4.9	1.0	.1	.1						11.8	6.9
SSW	1.4	1.9	2.8	1.3	.1							7.4	7.5
SW	1.1	2.0	3.4	1.1	.0							7.6	7.4
WSW	.7	1.3	1.7	.5	.0							4.3	6.9
W	.6	2.0	1.7	.1	.1	.0	.0					4.7	6.7
WNW	.4	.7	1.7	.2	.1							3.1	7.2
NW	.7	1.2	1.5	.3								3.7	6.6
NNW	.2	.6	1.0	.2								2.0	7.0
VARBL													
CALM												13.3	
	14.9	26.9	35.5	11.4	.9	.1	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2849

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14805 STATION CHARLOTTE AFB ILLINOIS/RANTOUL 37-62 JUNE MONTH  
 ALL WEATHER CLASS 0000-0200 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	.9	1.4	1.9	.5	.0							4.8	7.7
NNE	1.0	2.3	2.2	.2								5.7	6.2
NE	2.3	3.1	2.5	.2								8.1	5.7
ENE	1.5	1.5	1.0		.0							4.1	4.8
E	1.5	1.7	.7	.0								4.1	4.6
ESE	.5	.9	.4	.0								1.8	4.8
SE	1.9	1.6	1.6									5.1	5.1
SSE	1.1	1.7	1.4	.1								4.2	5.7
S	1.9	2.4	3.3	.5	.2							8.2	6.5
SSW	1.3	1.7	2.4	.6	.0	.0						6.2	6.9
SW	1.4	2.9	2.9	1.0	.1							8.4	6.8
WSW	.9	.9	1.4	.3								3.5	6.5
W	1.2	1.3	1.4	.0	.0							4.0	5.5
WNW	.4	1.2	1.2	.1								2.8	6.1
NW	1.2	1.8	1.5	.1								4.6	5.7
NNW	.0	.6	1.7	.2								3.0	7.0
VARBL													
CALM												21.4	
	19.3	26.8	27.5	4.1	.4	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2418

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/16AC

**SURFACE WINDS**

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

16806 CHANUTE AFB ILLINOIS/RANTUPL 36-65 JUL  
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	1.2	2.0	2.2	.5	.1							6.0	6.5
NNE	1.6	1.6	2.7	.4								6.3	6.3
NE	2.1	2.3	2.4	.0								6.9	5.5
ENE	1.1	1.2	.5	.0								2.9	4.6
E	1.6	1.9	.5	.0								4.0	4.3
ESE	1.2	1.2	.5									2.9	4.3
SE	1.9	1.2	1.1	.1	.0							4.3	5.0
SSE	1.4	1.1	1.3	.0	.0							3.9	5.2
S	2.2	2.4	2.2	.2								7.0	5.4
SSW	1.1	1.5	2.9	.3								5.7	6.6
SW	1.0	2.4	2.6	.7	.1							6.9	7.0
WSW	.9	1.3	1.2	.4								3.8	6.3
W	1.7	2.0	1.7	.2								5.6	5.6
WNW	.8	.9	.9	.1								2.7	5.6
NW	1.0	1.6	2.2	.0	.0							4.8	6.0
NNW	.4	.8	1.9	.2								3.2	7.3
VARBL													
CALM												23.2	
	21.2	25.2	26.7	3.3	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2540

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 14800 STATION NAME: CHAMUTE AFB ILLINOIS/RANTOUL YEARS: 36-70 MONTH: JUL  
 CLASS: ALL WEATHER HOURS (L.S.T.): 0600-0800  
 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	1.7	2.6	.9	.0							6.0	7.5
NNE	.7	1.6	2.1	.7	.1							5.2	7.4
NE	1.0	1.5	2.6	.5	.0							5.6	7.0
ENE	.7	1.5	1.8	.2								4.4	6.4
E	1.2	1.8	1.4	.1								4.5	5.5
ESE	1.2	1.6	1.5	.1								4.4	5.5
SE	1.3	1.6	1.6	.1								4.6	5.6
SSE	.8	1.6	2.0	.2	.0							4.6	6.3
S	1.6	2.3	3.3	.7	.1	.0						7.9	6.8
SSW	1.0	1.6	3.8	1.1	.1							7.8	7.6
SW	1.4	2.2	3.7	1.1	.3	.0						8.7	7.8
WSW	1.1	1.7	2.9	1.2	.0							7.0	7.5
W	.8	1.6	2.7	.5	.0							5.7	7.1
WNW	.7	.8	2.4	.2								4.0	7.0
NW	.7	1.6	2.1	.4	.1							4.8	6.8
NNW	.7	1.1	1.7	.5								3.9	7.1
VARBL													
CALM												10.9	
	15.6	20.1	38.0	8.7	.7	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 3223

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806      CHANUTE AFB ILLINOIS/RANTJUL      36-70      JUL  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER  
CLASS

0900-1100  
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	.6	1.3	2.6	.8	.1	.0						5.4	8.0
NNE	.4	1.6	2.3	1.1	.1							5.5	8.1
NE	.6	1.3	2.2	.8								4.8	7.5
ENE	.6	1.1	2.4	.4								4.6	7.5
E	.9	1.6	1.8	.4	.0							4.7	6.6
ESE	.5	1.1	2.1	.2	.0							3.9	7.1
SE	.7	1.0	1.8	.2	.1							3.8	6.7
SSE	.7	1.3	2.4	.4								4.9	7.0
S	.8	1.8	3.8	1.0	.1							7.4	7.9
SSW	.5	1.4	5.0	1.8	.1							8.9	8.9
SW	.8	1.5	5.2	2.9	.3	.1	.1					10.9	9.4
WSW	.7	1.4	4.0	2.1	.2							8.4	9.0
W	.8	1.5	3.2	1.8	.2	.0						7.5	8.8
WNW	.2	1.1	2.1	.9	.0							4.3	8.3
NW	.6	1.3	2.6	.9	.1	.0						5.6	8.1
NNW	.4	1.0	2.4	.9	.1							4.8	8.3
VARBL													
CALM												4.7	
	10.0	21.2	43.9	16.5	1.5	.2	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS      3252

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806 STATION CHARLE AFB ILLINOIS/HANTOUL 36-70 JUL MONTH  
 1200-1400 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 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	1.4	2.6	1.0	.1							5.9	8.1
NNE	.2	1.3	2.1	.8	.2							4.6	8.3
NE	.5	1.3	2.2	.7	.0							4.7	7.6
ENE	.4	1.1	2.2	.5								4.2	7.5
E	.5	1.3	1.5	.6								4.1	6.8
ESE	.5	1.0	1.9	.2								3.6	6.9
SE	.5	1.0	1.6	.3	.1							3.5	7.1
SSE	.5	1.3	2.0	.7	.0							4.5	7.6
S	.7	1.8	3.5	1.8	.3	.0						8.2	8.8
SSW	.6	1.0	4.7	3.0	.3	.0	.0					9.7	9.8
SW	.9	1.5	5.4	2.5	.5	.2	.1					10.9	9.6
WSW	.5	1.0	3.4	2.2	.2	.2						7.4	9.7
W	.6	1.7	3.7	2.2	.2							8.4	8.8
WNW	.5	.9	2.5	1.6	.1							5.6	9.2
NW	.6	1.4	2.4	1.6	.1							6.2	8.6
NNW	.2	.9	2.3	1.6	.1							5.1	9.3
VARBL													
CALM												3.5	
	8.8	20.0	42.7	21.3	2.2	.4	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 3232

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 CHANUTE AFB ILLINOIS/RANTUL 36-70 YEARS JUL MONTH  
 CLASS ALL WEATHER HOURS (L & T.) 1500-1700  
 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	1.4	3.0	1.7	.2							7.2	8.6
NNE	.3	1.2	2.5	.9	.1							5.2	8.3
NE	.2	1.7	3.0	.9	.1							6.1	7.8
ENE	.5	1.0	1.6	.5	.0							3.7	7.3
E	1.1	1.3	1.8	.2								4.4	6.1
ESE	.8	.6	1.0	.2								3.1	6.3
SE	.6	1.2	1.4	.3								3.5	6.7
SSE	.5	1.3	2.1	.5								4.3	7.4
S	.6	2.2	4.9	1.4	.1	.0						9.2	8.2
SSW	.4	1.2	4.4	2.5	.2							8.7	9.6
SW	.9	1.6	4.2	2.6	.4	.1	.1					9.8	9.5
WSW	.2	1.4	2.7	2.2	.2	.0						6.8	9.5
W	.0	1.1	3.7	1.6	.2	.1						7.3	9.1
WNW	.0	1.0	2.5	1.8	.1	.0						6.1	9.0
NW	.3	1.1	2.9	1.4	.1	.0						5.9	9.2
NNW	.4	1.0	2.6	1.2								5.2	8.5
VARBL													
CALM												3.3	
	8.7	20.8	44.7	20.0	1.9	.2	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 3247

DATA PROCESSOR DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14805 STATION NAME CHANGE APR ILLINOIS/RANTOUL YEARS 37-70 MONTH JUL  
 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	1.0	1.8	2.7	.5	.0							6.1	6.8
NNE	.9	2.0	2.8	.6								6.2	7.0
NE	1.3	2.4	3.1	.7	.0	.1						7.7	6.9
ENE	1.2	1.5	1.5	.2								4.4	5.5
E	1.6	1.5	.9	.0								4.1	4.7
ESE	1.0	1.4	.8	.0								3.2	5.0
SE	1.5	1.5	1.6	.0								4.4	5.2
SSE	1.2	1.8	1.6	.1								4.6	5.6
S	2.0	3.4	3.9	.5	.1	.0						9.9	6.4
SSW	1.1	2.3	2.2	.4	.1	.0						6.1	6.4
SW	1.5	2.1	2.9	.4	.1							6.9	6.7
WSW	.8	1.6	1.7	.2								4.3	6.2
W	1.2	2.0	1.5	.3	.0			.0				5.1	6.1
WNW	.7	1.1	1.5	.4		.0						3.7	7.0
NW	.8	1.8	1.9	.3								4.8	6.5
NNW	.9	1.4	1.6	.4	.0	.0						4.4	6.7
VARBL													
CALM												13.9	
	18.7	29.6	32.1	5.1	.3	.2		.0				100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 3155

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

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

STATION 46000 MCUI AFB ILLINOIS/RANTOUL YEARS 37-70 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 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	1.4	1.3	1.2	.3								5.0	6.2
NNE	1.5	2.4	3.0	.3								7.2	6.3
NSE		3.0	3.0	.5								8.8	6.1
ENE	1.3	1.8	1.0	.1								4.1	5.1
E	1.5	1.8	.5	.1	.0							4.0	4.6
ESE	1.0	.7	.6	.0								2.5	4.8
SE	1.9	1.3	1.3	.1								5.1	5.1
SSE	2.2	2.0	1.7	.0								4.9	5.5
S	2.0	3.0	3.9	.4	.0							9.3	6.2
SSW	1.2	1.8	2.4	.5	.1							6.0	6.7
WSW	1.4	2.1	2.6	.4	.0							6.5	6.4
W	.8	1.3	.8	.2								3.1	5.6
WNW	.9	1.8	.8	.0	.0			.0				3.6	5.5
NW	.7	1.2	1.0	.3								3.1	5.9
NNW	.7	1.3	1.3	.2								3.4	6.1
NNW	.6	.5	.8	.1								2.0	6.2
VARBL													
CALM												21.3	
	12.7	28.6	26.7	3.4	.2			.0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 2943

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTJUL  
STATION NAME

37-62  
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	1.0	1.4	1.9	.2								4.5	6.0
NNE	1.2	2.9	2.4	.6	.0							7.1	6.3
NE	2.0	2.7	2.7	.3	.0							8.4	5.7
ENE	.8	.9	1.5									3.1	5.9
E	1.7	1.6	.7	.1								4.0	4.6
ESE	1.0	1.3	.9	.2								3.3	5.4
SE	1.6	1.7	1.5	.2	.1							5.2	5.9
SSE	1.1	1.1	1.2	.0								3.4	5.3
S	2.4	2.2	2.7	.4								7.7	5.7
SSW	1.0	1.8	1.6	.7								5.1	6.7
SW	1.3	1.6	2.1	.5								5.5	6.4
WSW	.0	1.1	1.0	.1								2.8	6.1
W	.7	.9	1.1	.1	.0							2.9	6.1
WNW	.3	1.4	1.5									3.4	6.1
NW	.6	1.5	.9									3.1	5.4
NNW	.5	.7	.8	.2	.0							2.3	7.0
VARBL													
CALM												28.1	
	18.6	24.7	24.6	2.8	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

2418

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHAMBLE AFB ILLINOIS/RANTOUL  
STATION NAME

30-65  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0100-0500  
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	1.2	1.0	2.4	.4	.0							5.6	6.4
NNE	1.5	2.8	2.3	.4								7.0	5.9
NE	2.2	2.1	2.0	.4								6.6	5.5
ENE	1.3	.9	1.0									3.1	5.0
E	2.4	1.0	.9	.0								5.0	4.5
ESE	1.3	.9	.8	.2								3.2	5.1
SE	2.9	1.6	1.5	.1	.0							5.1	4.8
SSE	1.3	.7	1.0	.3	.0							3.3	5.7
S	2.0	2.1	1.8	.3	.0	.0						6.3	5.7
SSW	.7	1.4	1.8	.4	.1							4.3	7.1
SW	1.0	1.4	2.0	.6	.0							5.6	6.3
WSW	.0	.8	1.2	.2	.0							3.0	6.3
W	.9	1.0	1.7	.0								4.3	6.0
WNW	.0	.9	.9	.0								2.4	5.6
NW	1.1	1.6	1.3	.3								4.2	5.8
NNW	.7	1.2	1.4	.1	.0							3.4	6.4
VARBL													
CALM												26.6	
	22.4	23.0	24.1	3.5	.4	.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2942

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 AUG  
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	1.3	1.7	2.0	.4								5.4	6.2
NNE	1.1	1.6	1.7	.7								5.1	6.6
NE	1.1	1.9	2.7	.6								6.3	6.7
ENE	1.0	1.1	1.9	.2								4.2	6.3
E	1.9	1.8	1.6	.1								5.4	5.2
ESE	1.4	1.4	1.6	.3								4.7	6.1
SE	1.9	1.9	1.8	.3	.0							5.9	5.8
SSE	1.0	1.6	2.1	.6								5.2	6.6
S	1.6	2.6	2.6	.7	.2							7.7	6.6
SSW	1.1	1.8	2.8	.8	.1							6.7	7.2
SW	1.1	1.9	3.4	1.1	.2							7.8	7.7
WSW	.8	1.5	2.0	.3								4.6	6.7
W	1.0	1.7	1.9	.3	.0							5.0	6.3
WNW	.4	1.0	1.3	.4								3.1	7.0
NW	.7	1.4	1.7	.2								4.0	6.4
NNW	.6	.9	1.2	.3	.0							3.0	6.9
VARBL													
CALM												15.9	
	18.0	25.7	32.4	7.5	.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 3230

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806 STATION CHANUTE AFB ILLINOIS/RANDOLPH STATION NAME 36-70 YEARS AUG MONTH  
 ALL WEATHER CLASS 0900-1100 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	.8	1.2	2.1	.6	.2							4.8	7.5
NNE	.6	1.3	2.4	.8	.0							5.2	7.7
NE	.0	1.1	2.9	1.1	.1							6.0	8.1
ENE	.6	1.4	2.4	.6								5.0	7.3
E	1.0	2.1	2.2	.4	.0							5.7	6.4
ESE	.9	1.7	1.4	.5								4.5	6.5
SE	.6	1.9	2.2	.6								4.9	7.5
SSE	.2	1.2	2.8	.7	.2							5.3	8.2
S	.9	2.2	3.6	1.3	.2	.0						8.2	7.9
SSW	.8	1.6	4.2	2.0	.2	.0						8.9	8.8
SW	.9	1.9	4.9	2.6	.5							10.8	8.9
WSW	.6	1.6	3.9	1.4	.2							7.8	8.6
W	.8	1.4	3.4	1.1	.1							6.8	8.0
WNW	.4	1.1	1.9	1.0	.0							4.4	8.3
NW	.2	1.0	1.9	.3								3.7	7.1
NNW	.5	.9	1.8	.6								3.7	7.8
VARBL													
CALM												4.2	
	11.1	23.2	44.1	15.8	1.6	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 3255

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806 STATION CHAMITE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS AUG MONTH 1200-1400 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 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	1.9	3.3	1.3								6.8	7.9
NNE	.3	1.0	2.0	.9	.1							4.4	8.5
NE	.8	1.1	2.7	.8	.1							5.4	7.9
ENE	.6	1.3	2.2	.9								5.0	7.7
E	.7	1.1	2.0	.4	.0							4.7	6.9
ESE	.6	.7	1.4	.3								3.2	7.0
SE	.7	1.1	2.2	.8	.0							4.9	7.7
SSE	.5	1.0	2.1	.9	.1							4.6	8.3
S	.7	1.8	3.9	2.0	.4	.2						9.0	9.2
SSW	.6	1.5	4.3	2.4	.2	.2						9.4	9.3
SW	.7	2.0	4.5	4.1	.5	.0						11.8	9.7
WSW	.3	1.3	3.7	2.0	.2							7.6	9.4
W	.6	1.8	3.0	1.7								7.0	8.3
WNW	.2	1.0	2.1	.9	.1							4.3	8.5
NW	.5	1.2	2.1	1.1	.2							5.3	8.6
NNW	.3	.8	2.0	.9	.1							4.2	8.5
VARBL												2.9	
CALM													
	9.0	20.3	43.9	21.4	2.1	.4						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 3255

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTHUL  
STATION NAME

26-70  
YEARS

AUG  
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	.7	1.7	3.5	1.3	.1		.0					7.4	8.3
NNE	.6	1.2	2.6	1.3	.0	.0	.0					5.8	8.4
NE	.8	1.6	2.8	.9	.1							6.2	7.9
ENE	.6	1.1	2.3	.5	.1							4.5	7.8
E	.9	1.8	1.4	.3								4.4	6.0
ESE	.5	.9	1.6	.1								3.0	6.6
SE	.9	1.8	1.9	.5	.1	.0						5.1	6.8
SSE	.6	1.4	2.3	.4	.1							4.8	7.3
S	.8	2.1	4.2	1.8	.2	.1						9.2	8.4
SSW	.8	1.7	4.2	2.1	.2	.0						9.0	8.6
SW	.9	2.1	5.5	2.1	.3							11.0	8.6
WSW	.4	1.1	3.2	1.5	.2	.0						6.4	8.9
W	.5	1.5	3.2	1.4	.0							6.7	8.2
WNW	.4	1.1	1.8	.7	.1							4.1	8.0
NW	.2	1.0	2.4	1.1	.1							4.7	8.6
NNW	.3	1.4	2.3	.9	.0							4.8	7.9
VARBL													
CALM												3.0	
	10.0	23.3	45.1	16.8	1.5	.2	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 3251

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHANOTE AFB ILLINOIS/RANTUHL  
STATION NAME

36-70  
YEARS

AUG  
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	3.0	1.9	.3	.0							6.9	5.7
NNE	1.7	2.6	2.5	.7		.0						7.5	6.4
NE	1.9	2.7	2.5	.5	.1							7.7	6.0
ENE	1.5	1.5	1.7	.2								4.9	5.7
E	2.2	1.5	.7	.1								4.5	4.3
ESE	1.0	.9	.5	.0								2.4	4.7
SE	1.3	2.0	1.5	.1	.0							5.1	5.5
SSE	1.2	1.8	1.3	.3	.1							4.6	5.9
S	2.6	3.2	2.7	.3	.0							8.8	5.5
SSW	1.8	2.8	2.0	.2	.0							6.9	5.5
SW	2.4	2.1	1.7	.2	.0							6.4	5.2
WSW	1.0	1.3	.9	.3		.0						3.5	5.6
W	1.0	1.6	1.0	.2	.0	.0						3.9	5.7
WNW	.3	.7	1.1	.2								2.3	6.8
NW	.8	1.5	1.7	.2	.0							4.2	6.2
NNW	.9	1.4	1.1	.2								3.6	5.9
VARBL													
CALM												16.7	
	23.5	30.5	24.8	4.0	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

3164

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

AUG  
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	1.1	1.4	2.1	.3		.0						4.9	6.3
NNE	2.5	2.6	2.7	.2	.0							8.1	5.6
NE	2.1	2.9	3.2	.7								8.9	6.1
ENE	1.4	1.5	1.4	.3								4.5	5.7
E	1.9	1.2	1.2	.1								4.4	4.9
ESE	1.1	1.1	1.0	.1								3.2	5.2
SE	2.0	2.0	1.2	.1	.1							5.3	5.1
SSE	1.3	1.5	1.3	.1								4.3	5.4
S	2.5	3.6	2.1	.6								8.9	5.5
SSW	1.4	1.8	1.9	.7	.1							5.9	6.6
SW	1.6	1.3	1.5	.3								4.7	5.6
WSW	.8	.6	.5	.0								2.0	5.1
W	.7	1.0	.8	.1								2.6	5.8
WNW	.3	.8	1.0	.2		.0						2.4	7.0
NW	.5	1.0	1.2	.0								2.7	6.0
NNW	.4	1.0	.5	.1	.0	.0						2.1	6.2
VARBL													
CALM												25.2	
	21.9	25.1	23.5	4.1	.2	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2942

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806 STATION CHARLOTTE AFB ILLINOIS/FAHNTDUL STATION NAME 30-63 YEARS SEP MONTH 0000-0200 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 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	1.5	2.0	.7	.0							4.7	7.6
NNE	1.4	2.0	2.0	.2								5.9	6.2
NE	2.5	2.4	2.9	.8								8.4	6.1
ENE	.9	1.8	.9	.1								3.7	5.5
E	2.2	2.1	1.4	.0	.0							5.7	4.9
ESE	1.2	1.1	.5									2.8	4.5
SE	2.0	2.2	2.2	.3								6.7	5.8
SSE	1.1	1.3	1.0	.2		.0						3.7	5.6
S	2.0	2.1	3.1	1.7	.1	.0						9.0	7.3
SSW	.6	1.3	2.2	.7	.0							4.8	7.7
SW	.9	1.9	2.4	.6	.0							5.8	7.1
WSW	.8	1.0	1.0	.2	.0							3.1	6.3
W	1.0	2.0	1.3									4.4	5.3
WNW	.5	1.5	1.3	.1	.0							3.5	6.4
NW	.6	1.4	2.0	.4	.0							4.5	6.9
NNW	.3	1.1	1.3	.5								3.2	7.6
VARBL													
CALM												23.0	
	18.4	26.5	27.9	6.8	.4	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2457

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14896  
STATION

CHARLOTTE AFB ILLINOIS/RANTHOL  
STATION NAME

36-65  
YEARS

SEP  
MONTH

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

ALL WEATHER  
CLASS

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	.0	1.7	1.7	.7	.0							4.7	7.1
NNE	1.1	1.8	2.0	.7								5.5	6.8
NE	2.0	2.6	2.1	.7								7.5	6.0
ENE	1.0	1.7	1.0	.3								3.9	5.5
E	2.1	2.3	1.3	.2								5.4	4.9
ESE	.9	1.3	.0	.1								3.0	5.1
SE	2.4	2.1	1.9	.1								6.5	5.2
SSE	1.2	1.7	1.3	.4	.0							4.9	5.8
S	1.4	2.3	3.2	.9	.2	.0						8.0	7.2
SSW	.7	1.1	1.7	.4								3.9	6.9
SW	1.3	2.0	2.1	.4	.0	.0						5.9	6.4
WSW	.0	1.0	.7	.1	.1							2.8	5.9
W	1.2	1.7	1.5	.1	.0							4.5	5.7
WNW	.6	1.4	1.8	.4	.0							4.3	6.9
NW	.0	1.0	2.2	.5				.0				3.1	5.8
NNW	.2	1.1	1.5	.7	.0	.0						3.7	6.1
VARBL													
CALM												19.9	
	18.5	27.9	26.5	6.5	.5	.1		.0				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2538

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHAMBLEE AFB ILLINOIS/RANTHUL  
STATION NAME

16-70  
YEARS

SEP  
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	.7	1.2	1.6	.8	.0							4.6	7.3
NNE	.5	1.7	1.2	1.0								5.1	7.6
NE	1.3	1.5	2.3	.9	.1	.0						6.1	7.3
ENE	.6	1.6	1.6	.7	.0							4.5	7.1
E	1.8	1.7	1.5	.4								5.4	5.7
ESE	1.1	1.0	1.3	.3								3.7	5.6
SE	1.4	2.1	2.3	.4	.0							6.7	6.1
SSE	1.3	2.1	2.2	.8								6.4	6.6
S	1.6	2.9	3.9	1.7	.3							10.5	7.8
SSW	.7	1.1	2.3	1.2	.2	.0						5.5	8.6
SW	1.0	1.6	3.1	1.3	.1							6.9	7.8
WSW	.7	1.1	1.5	.5	.1							3.8	7.0
W	.7	1.2	1.5	.5	.1							3.9	7.1
WNW	.4	1.4	1.8	.4	.2	.0						4.3	7.7
NW	.7	1.6	2.4	.4	.0	.0						5.2	7.2
NNW	.5	1.0	2.0	.8	.0	.0						4.3	8.2
VARBL													
CALM												13.1	
	15.3	25.0	33.2	12.1	1.1	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 3147

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHAMITE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

JFP  
NORTH

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	1.2	2.1	1.2	.1	.0						5.1	8.4
NNE	.4	.9	2.1	1.0	.1							4.2	8.8
NE	.0	1.1	2.0	1.3	.4							5.4	8.9
ENE	.2	1.1	2.0	1.3	.2							5.0	9.2
E	.5	1.3	1.9	.5	.0							4.3	7.2
ESE	.0	1.7	1.7	.5								4.5	6.8
SE	.8	1.3	2.3	.7	.1	.0						5.2	7.9
SSE	.6	1.6	3.1	1.1	.3	.0						6.7	8.5
S	.7	1.6	4.2	3.7	.8	.1						11.1	10.1
SSW	.4	1.3	3.7	3.1	.5	.1						9.1	10.1
SW	.5	.9	4.2	3.4	.7	.3						9.8	10.7
WSW	.3	.8	2.4	1.8	.4	.0						5.9	10.0
W	.4	1.0	2.6	1.6	.3	.1						6.0	9.5
WNW	.3	.9	2.0	1.0	.2	.0						4.4	8.8
NW	.6	1.1	2.4	1.5	.1	.1						5.7	8.7
NNW	.2	1.2	1.8	1.2	.0	.0						4.3	8.9
VARBL													
CALM												3.1	
	7.6	18.8	40.6	24.9	4.2	.8						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

3148

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806 STATION CHAUTEAUX AFB ILLINOIS/BAHNTJUL YEARS 36-70 MONTH SEP  
 CLASS ALL WEATHER HOURS (L & 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	.5	1.3	2.4	1.4	.1							5.7	8.5
NNE	.4	1.1	2.1	1.1	.2							4.8	8.9
NE	.8	.9	2.1	1.5	.3							5.5	8.8
ENE	.6	.8	1.7	1.0	.1							4.7	8.7
E	.2	.9	1.8	.4								3.6	7.1
ESE	.2	1.3	1.3	.2	.0							3.0	7.1
SE	.6	1.3	2.0	.5	.0	.1						4.5	7.6
SSE	.4	1.1	3.5	1.4	.2	.0	.0					6.7	9.2
S	.4	1.6	4.0	4.0	1.1	.4	.0					11.6	11.2
SSW	.4	1.0	3.6	3.8	.7	.2	.0					9.7	11.0
SW	.3	1.0	3.0	3.0	.8	.2	.0					8.2	11.3
WSW	.3	.8	2.3	2.0	.3	.0						5.7	10.3
W	.5	1.2	3.4	1.6	.5							7.3	9.5
WNW	.3	.9	2.4	1.8	.2							5.6	9.7
NW	.3	.7	2.4	2.1	.2	.0						5.5	10.1
NNW	.2	.9	2.8	1.3	.0							5.4	9.3
VARBL													
CALM												3.0	
	5.6	16.7	40.7	27.2	4.7	1.0	.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 3150

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

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

STATION: 14806 STATION NAME: CHAMPE AFB ILLINOIS/RANTULL YEARS: 36-70 SGP MONTH: ALL WEATHER  
 CLASS: ALL WEATHER HOURS (L.S.T.): 1500-1700  
 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	1.7	2.5	1.2	.1							6.4	7.8
NNE	.5	1.2	2.0	1.6	.0							5.9	8.7
NE	.7	1.3	2.0	1.6	.2							6.4	8.6
NNE	.6	1.1	1.9	.7								4.2	7.5
E	.4	1.3	1.3	.4								3.5	6.5
ESE	.8	1.0	1.1	.3								3.2	6.2
SE	.7	1.8	3.1	.3	.0							6.0	7.1
SSE	.7	1.5	2.8	1.3	.2							6.5	8.4
S	.6	2.0	4.0	3.6	1.1	.4	.0					12.3	10.6
SSW	.3	.9	3.6	2.5	.5	.0						7.8	10.3
SW	.6	1.5	3.3	2.2	.4	.1						8.0	9.4
WSW	.3	1.0	2.0	.9	.1	.0						4.4	8.7
W	.3	1.3	2.4	1.5		.0	.0					5.8	8.8
WNW	.3	1.0	2.3	1.6	.1							5.3	9.1
NW	.3	1.0	2.6	1.7	.2							5.8	9.3
NNW	.3	1.0	2.4	1.3	.0							5.1	8.9
VARBL													
CALM												3.6	
	8.5	20.7	41.2	22.5	2.9	.5	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 3147

3

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

SEP  
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	1.5	1.8	.7	.1							5.1	6.7
NNE	1.5	2.5	3.2	1.1	.0							8.3	7.0
NE	1.7	2.3	3.2	.6	.2							7.9	6.7
ENE	1.1	1.5	1.1	.2	.0							3.9	5.9
E	1.9	1.7	1.0	.2	.0							4.9	4.9
ESE	1.0	1.0	.8	.0								2.9	5.1
SE	1.9	2.9	2.7	.2								7.7	5.7
SSE	1.4	2.2	1.7	.6	.1							6.0	6.1
S	1.3	3.9	3.7	1.3	.3							10.7	7.2
SSW	.8	1.7	2.3	.5	.1							5.4	6.8
SW	1.5	1.7	1.7	.4	.1							5.3	6.1
WSW	.8	1.3	.5	.2	.1							2.9	3.8
W	1.2	2.1	.8	.1								4.3	5.2
WNW	.0	1.0	1.0	.3								3.0	6.4
NW	.7	2.0	2.2	.4	.0	.0						5.4	6.8
NNW	.0	1.4	1.3	.7	.0							4.0	7.1
VARBL													
CALM												12.3	
	19.2	31.0	29.2	7.3	.9	.0						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 3072

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHANDLER AFB ILLINOIS/RANDIOL YEARS 36-70 MONTH SEP  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 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	1.7	1.9	.8	.0							5.4	7.0
NNE	1.9	2.7	2.2	.8								7.2	6.3
NE	1.7	3.6	3.7	.9	.1							10.0	6.7
ENE	1.0	1.3	.9	.2								3.5	5.6
E	1.9	2.2	1.0	.1								5.0	5.0
ESE	1.0	1.0	.6									3.1	4.5
SE	2.1	2.8	1.8	.2								6.9	5.3
SSE	1.3	2.0	1.5	.5	.1							5.2	6.3
S	1.7	2.6	3.8	1.3	.0	.1						9.5	7.3
SSW	.8	1.3	1.7	.7	.1							4.6	7.3
SW	1.9	1.9	1.7	.6	.0							6.1	6.3
WSW	.7	1.2	.6	.2								2.7	5.8
W	1.0	1.6	.5	.1				.0				3.2	5.3
WNW	.3	1.3	1.2	.1								2.9	6.2
NW	.8	1.7	1.7	.6	.1							4.1	6.8
NNW	.4	1.1	1.1	.5	.0							3.0	7.0
VARBL													
CALM												16.7	
	18.9	39.4	25.8	7.6	.5	.1		.0				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2864

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

14806 STATION CHANUTE AFB ILLINOIS/RANTLUL STATION NAME 36-63 YEARS OCT 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	.9	1.7	2.3	.7	.2	.1						5.8	7.7
NNE	.8	2.0	1.4	.4		.0						4.6	6.3
NE	1.4	1.9	1.9	.6	.1	.0						5.5	6.5
ENE	1.0	1.0	.9	.2		.0						3.1	5.6
E	1.7	1.4	.9									3.9	4.6
ESE	1.0	.9	.8	.3	.0							3.0	6.4
SE	1.9	2.0	2.1	.5								6.4	5.9
SSE	1.0	1.5	1.7	.7	.1							5.0	7.0
S	1.4	2.5	3.3	.9	.3	.3	.0					8.6	8.0
SSW	.8	1.0	2.6	1.4	.1							5.9	3.4
SW	1.1	1.5	3.6	.9	.0	.0						7.2	7.5
WSW	.5	1.0	1.2	.3	.1							3.1	7.3
W	.9	2.1	2.2	.5	.1							5.8	6.7
WNW	.9	1.4	1.7	.6	.2	.0						4.5	7.5
NW	1.1	1.9	2.9	.8	.3							7.9	7.6
NNW	.5	.8	1.2	.6	.1	.1						3.3	8.4
VARBL													
CALM												16.7	
	16.7	24.3	30.8	9.2	1.5	.6	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2586

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14860  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

36-65  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0200-0500  
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	.9	1.4	1.7	.9	.0							4.9	7.6
NNE	.6	2.0	1.6	.5	.0							4.8	6.7
NE	1.4	1.7	1.9	.3	.0							5.4	6.0
ENE	.6	1.1	1.0	.1	.0	.0						2.8	6.2
E	1.3	1.4	.9	.1	.0							3.9	5.1
ESE	1.3	1.1	.9	.2								3.4	5.4
SE	2.0	2.6	1.9	.4	.1	.0		.0				7.1	6.0
SSE	1.1	1.5	1.6	.3	.0							4.6	6.3
S	1.1	1.7	3.1	1.1	.2	.3		.0				7.6	8.6
SSW	.5	1.1	2.5	.9	.2	.0						5.2	8.7
SW	1.1	1.5	3.1	1.0	.2	.1						6.9	7.8
WSW	.6	1.3	1.1	.6		.1						3.7	7.7
W	1.2	1.8	2.5	.5		.0						6.0	6.6
WNW	.8	1.6	1.9	.7	.2							5.2	7.5
NW	1.2	2.3	3.0	.6	.2	.1						7.3	7.2
NNW	.2	1.1	1.6	.8	.3							3.9	8.9
VARBL													
CALM												17.1	
	16.0	25.2	30.2	9.1	1.6	.8		.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2637

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14E06 STATION CHAMITE AFB ILLINOIS/RAHTOUL STATION NAME 36-70 YEARS 1967  
 NORTH  
 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	.6	1.4	1.9	.8	.1	.0						4.9	7.9
NNE	.9	1.2	1.5	.5	.1							3.7	7.4
NE	.7	1.1	1.7	.5	.1							4.2	7.1
ENE	.8	1.1	.8	.2								2.9	5.8
E	1.0	1.4	1.4	.2								4.0	5.9
ESE	1.3	1.0	1.0	.2								3.5	5.6
SE	2.0	2.4	2.0	.5	.1	.1						7.1	6.3
SSE	1.6	1.8	2.6	.6	.2							6.7	6.7
S	1.2	2.3	3.7	1.8	.5	.2	.1	.0				9.7	8.8
SSW	.5	.8	2.8	1.7	.3	.0						6.1	9.5
SW	1.1	1.6	2.4	1.6	.3							6.9	8.4
WSW	.7	1.3	1.7	.8	.1	.0						4.6	7.6
W	1.1	1.9	2.9	1.1	.2							7.2	7.5
WNW	.4	1.2	2.1	1.0	.2	.0						5.0	8.7
NW	1.2	1.7	2.6	.9	.3	.0						6.8	7.7
NNW	.4	1.1	2.0	.9	.2							4.7	8.5
VARBL													
CALM												12.0	
	15.1	23.2	33.1	13.5	2.5	.4	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 3230

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806 STATION CHARUTE AFB ILLINOIS/KANTOUL STATION NAME 36-70 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	.0	1.3	2.1	1.2	.2	.0	.0	.0				5.3	8.7
NNE	.3	.4	1.8	.6	.1	.0						3.3	8.8
NE	.7	.9	1.8	.8	.2							4.4	8.2
ENE	.3	.5	1.4	.5	.0							2.6	8.4
E	.6	.9	1.4	.7	.0							3.6	7.7
ESE	.4	1.1	1.4	.4								3.3	7.2
SE	.4	.0	2.5	1.1	.0							4.8	8.8
SSE	.6	1.3	3.2	1.6	.3	.0						7.0	8.9
S	.0	1.4	4.9	3.2	1.2	.5	.1					11.8	11.1
SSW	.4	1.0	3.5	4.2	.8							9.9	11.1
SW	.6	1.0	3.5	3.8	.6	.2		.0				9.6	11.0
WSW	.3	.6	2.6	1.8	.4	.1						5.9	10.5
W	.6	1.0	2.9	2.5	.5	.0						7.4	10.1
WNW	.3	.8	1.7	2.1	.3	.1						5.2	10.3
NW	.2	1.1	2.6	2.6	.5	.1						7.3	10.3
NNW	.3	1.0	2.2	1.6	.3							5.6	9.5
VARBL													
CALM												2.6	
	7.4	15.2	39.6	28.5	5.5	1.0	.1	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 3254

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTJUL  
STATION NAME

36-70  
YEARS

01  
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	.9	2.4	1.0	.1							4.5	8.6
NNE	.2	.8	1.7	1.1	.2							3.9	9.5
NE	.5	.6	1.8	.7	.3							3.7	8.8
ENE	.3	.7	1.3	.4	.0							2.7	7.6
E	.3	.6	1.5	.7	.1							3.3	8.4
ESE	.2	.8	1.0	.6	.0							2.7	8.0
SE	.4	.9	1.9	.8	.1							4.1	8.3
SSE	.3	1.0	2.3	2.1	.3	.0						6.0	9.9
S	.5	1.1	3.8	3.7	1.3	.6	.1					10.9	11.8
SSW	.5	.6	3.1	5.3	1.4	.3						11.6	12.2
SW	.5	.5	3.4	3.7	1.3	.3	.1					9.8	12.0
WSW	.4	1.0	2.1	2.5	.6	.1						6.6	10.5
W	.6	1.1	2.4	3.3	1.1	.2	.0					8.9	11.4
WNW	.2	.9	2.4	2.4	.6	.1						6.6	10.8
NW	.2	.8	2.6	2.7	.7	.1						6.8	11.4
NNW	.5	.9	2.2	1.8	.3							5.7	9.5
VARBL													
CALM												2.5	
	5.8	13.0	36.0	32.7	8.2	1.7	.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 3255

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTGUL  
STATION NAME

36-70  
YEARS

UCT  
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	.7	1.0	2.2	1.0	.1							5.1	8.0
NNE	.4	.7	1.8	.9	.1							3.9	8.8
NE	.7	1.7	1.7	.9	.0							4.9	7.4
ENE	.4	.8	1.2	.4	.0							2.9	7.5
E	.7	1.0	1.5	.4								3.6	6.8
ESE	.4	.9	1.1	.2								2.6	6.6
SE	.5	1.1	1.9	.8	.1							4.2	7.6
SSE	.4	.9	2.7	1.2	.2	.1						5.5	9.1
S	.6	2.0	5.3	3.5	1.1	.3						12.8	10.3
SSW	.6	1.3	3.4	3.2	.4	.1						9.1	9.9
SW	.8	1.0	3.7	1.9	.8	.0						8.3	9.9
WSW	.5	1.3	1.8	1.1	.2							4.9	8.6
W	.8	1.3	2.6	2.0	.4	.0						7.7	9.7
WNW	.6	1.7	2.6	1.9	.4	.1						7.3	9.4
NW	.7	1.4	3.4	1.9	.4							7.8	9.1
NNW	.4	1.1	2.1	1.3								4.9	8.6
VARBL													
CALM												4.5	
	9.3	19.1	39.1	23.0	4.4	.7						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 3252

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHAMUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

UCT  
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	1.0	1.8	2.0	.6	.1							5.5	6.9
NNE	.5	1.6	2.3	.6	.1	.0						5.2	7.6
NE	1.1	1.8	1.9	.6		.1						5.4	6.9
ENE	1.0	1.4	.8	.3								3.4	5.6
E	1.4	1.4	1.2	.3		.1						4.3	5.9
ESE	.7	.9	1.0	.2	.0							2.8	6.2
SE	.8	2.5	2.0	.3	.1	.1		.0				5.8	6.8
SSE	1.2	2.5	2.4	.6	.0	.0						6.7	6.7
S	1.2	4.1	4.8	1.3	.4	.2	.1					11.9	7.7
SSW	1.0	1.9	2.1	.9	.1	.0						6.0	7.4
SW	1.5	1.8	2.0	.4	.1	.1						6.5	6.7
WSW	.6	1.2	1.1	.2	.9							3.2	6.3
W	1.0	2.5	2.0	.6	.1							5.4	6.7
WNW	.8	1.7	1.5	.8	.2							5.1	7.5
NW	1.0	1.6	2.7	1.1	.1							6.4	7.6
NNW	.7	1.4	1.9	.4	.1							4.5	6.9
VARBL													
CALM												17.9	
	15.4	30.0	32.2	9.3	1.4	.7	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

3180

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHANGTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

ICT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURL (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	.8	.9	2.2	.9	.0							4.9	7.8
NNE	.8	2.4	2.3	.5	.0							6.0	6.6
NE	1.1	1.8	1.8	.4	.1							5.2	6.6
ENE	.0	1.7	.6	.3	.1							3.0	6.4
E	1.1	1.5	1.5	.3								4.5	6.0
ESE	.8	.9	1.0	.3								2.9	6.2
SE	2.0	2.7	2.1	.2	.0							7.1	5.7
SSE	1.4	2.1	1.9	.9	.1	.0						6.4	7.1
S	1.2	2.8	3.4	1.8	.4	.3						10.0	8.4
SSW	.4	1.5	2.3	1.2	.2							5.7	8.6
SW	1.4	2.0	2.4	.9	.0							6.7	6.8
WSW	.6	.8	1.0	.7	.1							3.3	7.9
W	.9	1.7	2.0	.7	.1	.0						5.5	7.1
WNW	.6	1.2	1.8	.9	.0							4.6	7.7
NW	.9	1.9	3.1	.9	.1							7.0	7.5
NNW	.3	.9	1.3	.4	.1							3.0	7.7
VARBL													
CALM												14.3	
	15.0	26.4	30.9	11.5	1.6	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 3001

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHARLITE AFB ILLINOIS/RANTOUL  
STATION NAME

36-63  
YEARS

1.00  
MONTH

ALL WEATHER  
CLASS

0000-0200  
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	.5	1.2	2.3	.8	.0	.0	.0					4.9	8.1
NNE	.4	.6	1.2	.3								2.5	7.1
NE	.6	1.3	1.4	.1	.1	.1	.1					3.8	7.8
ENE	.2	.7	.8	.4	.0							2.2	7.6
E	.5	.7	.8	.4	.0							2.4	7.3
ESE	.4	.6	.6	.4	.0							2.0	7.2
SE	.9	1.1	2.0	1.3	.2							5.6	8.2
SSE	.9	1.3	2.0	1.0	.1							3.3	7.8
S	.7	2.0	3.3	2.5	.6	.3	.1					9.5	9.8
SSW	.4	1.2	2.6	2.0	.6	.2						7.1	10.1
SW	1.5	1.7	2.6	1.8	.5	.1	.0					8.7	8.7
WSW	.9	1.2	2.4	1.3	.4	.2						6.3	9.2
W	1.1	2.3	3.6	1.3	.9	.2	.1					9.5	8.8
WNW	.9	1.6	3.4	1.6	.6	.1	.0					8.2	9.4
NW	.9	2.2	3.5	1.8	.2	.0						8.6	8.4
NNW	.4	.8	1.8	1.1	.1	.1	.0					4.4	9.3
VARBL													
CALM												9.4	
	11.4	20.5	34.4	18.2	4.4	1.4	.4					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2449

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOIL  
STATION NAME

36-62  
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	2.0	1.7	.6	.1							4.9	7.3
NNE	.4	1.1	1.3	.1	.0							3.0	6.6
NE	.5	1.2	1.3	.1		.2	.2					3.5	8.5
ENE	.3	.3	.6	.4	.1	.0						1.8	6.6
E	.7	.7	1.0	.4								2.7	6.8
ESE	.7	.5	.5	.3								2.0	5.9
SE	.8	1.2	1.6	1.5	.2							5.3	8.6
SSE	.8	1.2	2.5	1.0	.3	.1	.0					6.0	8.7
S	.8	1.5	3.1	2.3	.6	.1	.1					8.5	9.8
SSW	.5	1.3	2.6	1.6	.3		.2					6.4	9.4
SW	1.9	1.9	3.4	1.3	.3	.2						9.0	7.9
WSW	.7	1.3	2.2	1.9	.4	.1						6.7	9.6
W	1.1	2.4	4.7	1.8	.6	.3	.1					10.9	8.9
WNW	.8	1.6	2.0	1.0	.3	.1						7.2	8.9
NW	.8	1.4	3.0	1.7	.4	.1						7.4	9.1
NNW	.3	.8	1.8	1.0	.2	.0						4.3	9.1
VARBL													
CALM												16.7	
	11.4	20.5	34.1	17.8	3.6	1.3	.5					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2391

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14800 STATION NAME CHALAT AFB ILLINOIS/HANTON YEARS 36-70 MONTH NOV  
 CLASS ALL WEATHER HOURS (L S T.) 0600-0800  
 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	1.5	2.0	.5	.1		.0	.1				4.7	8.1
NNE	.5	1.5	1.1	.4	.1							7.6	6.9
NE	.5	.7	1.1	.2	.1	.1	.0					2.0	8.1
ENE	.5	.5	.8	.2		.1						2.1	7.0
E	.6	.2	.6	.1								1.9	5.9
ESE	.2	.7	.6	.2								2.1	6.0
SE	1.1	1.5	1.7	.9	.2	.0	.0					5.4	7.8
SSE	.9	1.8	2.5	1.1	.5	.1	.0					7.0	8.7
S	1.2	2.1	3.5	3.2	.7	.3	.0					11.0	10.0
SSW	.4	1.1	3.1	1.3	.3	.0	.0					6.2	9.2
SW	.9	1.7	2.5	1.6	.4	.1	.1					7.3	9.1
WSW	.6	1.5	2.4	1.3	.3	.1						6.3	9.0
W	1.2	2.1	3.5	2.6	.4	.3	.1					10.4	9.2
WNW	.9	1.3	3.0	2.6	.6	.1						8.4	9.7
NW	.9	1.3	2.6	2.7	.4	.1	.1					8.1	9.6
NNW	.2	1.0	1.7	1.1	.4	.0						4.4	9.5
VARBL													
CALM												8.3	
	11.7	20.8	32.8	19.8	7.7	1.4	.4	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 3000

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHANUTE AFB ILLINOIS/RANTOUL YEARS 36-70 MONTH WIV  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 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	.8	1.7	.7	.2	.1	.0					2.7	9.4
NNE	.2	.8	1.5	.5	.1	.0						3.0	8.3
NE	.2	.6	1.2	.7	.1	.1	.0					3.0	9.1
ENE	.2	.6	1.0	.4	.1	.1						2.4	8.9
E	.4	.9	.6	.3								2.2	6.7
ESE	.3	.6	.9	.2	.0							2.0	7.4
SE	.3	.7	1.9	1.0	.3	.0	.2					4.4	10.1
SSE	.4	.9	2.0	2.2	.3	.2	.1	.1				6.3	11.0
S	.4	1.4	4.4	4.2	1.9	1.0	.1					13.4	12.2
SSW	.4	.9	2.8	3.3	.9	.5		.1	.0			8.9	12.4
SW	.3	.9	2.4	2.7	1.0	.4	.2					7.9	12.3
WSW	.4	.9	2.3	2.2	.8	.2	.0					6.2	11.0
W	.4	1.4	3.6	3.8	1.5	.4						11.1	11.6
WNW	.2	1.0	2.6	3.6	1.1	.1	.0					8.5	11.6
NW	.3	1.2	3.2	2.7	1.0	.1						8.5	10.9
NNW	.3	.8	2.2	1.8	.3	.3						5.7	10.4
VARBL													
CALM												2.7	
	5.1	14.5	34.3	30.5	9.4	3.4	.6	.2	.0			100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 3150

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14000 STATION CRANFORD AFB ILLINOIS/RANTHOL STATION NAME 36-70 YEARS MONTH NOV  
 CLASS ALL WEATHER NO. OF (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	.3	.7	1.4	.8	.2	.0						3.5	9.3
NNE	.1	.7	1.3	.5	.1	.1						2.7	9.0
NE	.2	.4	1.1	.0	.2	.1						2.6	10.1
ENE	.5	.6	.8	.3	.1							2.2	7.1
E	.3	.5	.7	.4	.1							2.0	7.6
ESE	.3	.3	.8	.2	.0							1.6	7.4
SE	.3	.7	1.6	.8	.3	.1	.1					3.4	10.2
SSE	.2	.6	2.0	2.3	.8	.3	.1	.0				6.2	12.4
S	.2	1.0	3.3	5.1	1.7	1.0	.2					12.9	13.3
SSW	.3	.6	2.7	3.9	1.7	.3	.2					9.7	13.0
SW	.2	.8	2.6	2.7	1.2	.5	.1			.1		8.2	12.9
WSW	.2	.7	2.3	2.8	1.0	.3	.1	.0				7.4	12.3
W	.3	1.3	3.8	4.2	2.2	.6		.0				12.4	12.4
WNW	.3	1.2	2.8	3.8	1.2	.2						9.5	11.5
NW	.4	1.0	3.1	2.9	1.0	.1						8.6	10.9
NNW	.2	.9	2.3	1.9	.3	.1						5.3	10.9
VARBL													
CALM												1.6	
	4.3	11.9	32.0	32.9	12.1	3.6	.8	.1	.1			100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 3149

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHANUTE AFB ILLINOIS/RAHNTJUL  
STATION NAME

36-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L & 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	.6	1.5	.7	.2	.1						3.7	8.4
NNE	.7	.5	1.1	.4	.2							2.9	7.6
NE	.5	.4	1.4	.2	.1	.2						2.8	8.4
ENE	.5	.8	.7	.2	.0							2.0	6.9
E	.0	.8	.7	.2								2.3	5.8
ESE	.3	.5	.6	.3								1.8	7.1
SE	.5	1.0	1.7	.7	.3	.2						4.4	9.0
SSE	.4	1.8	2.3	2.0	.3	.3	.1					7.1	10.0
S	.6	2.3	5.1	3.7	1.2	.5	.1					13.4	10.4
SSW	.2	1.3	2.2	2.0	1.0	.3						6.9	11.0
SW	.5	1.1	2.0	1.7	.5	.2	.1					6.1	10.4
WSW	.5	1.4	2.5	1.9	.6	.1	.0	.1				7.1	10.3
W	.7	1.4	4.0	3.2	1.2	.2	.1					11.0	10.3
WNW	.2	1.3	3.2	3.4	.8	.1						9.5	10.5
NW	.8	1.5	3.4	2.5	.7	.1						9.0	9.6
NNW	.4	1.1	2.6	1.4	.1	.1						5.7	8.1
VARBL													
CALM												4.2	
	8.2	18.4	34.8	24.5	7.1	2.2	.4	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 3148

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14806 STATION NAME CHANUTE AFB ILLINOIS/RANTOUL YEARS 36-70 MONTH NOV  
 CLASS ALL WEATHER HOURS (LST) 1000-2000  
 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	.9	1.4	1.7	.8	.1	.0						5.1	7.5
NNE	.3	.5	1.5	.2	.1	.1						2.5	7.8
NE	.6	1.0	.9	.4	.1	.1	.0					3.1	7.7
ENE	.6	.7	.5	.3	.0							2.1	6.2
E	1.0	.9	.7	.2								2.7	5.2
ESE	.5	.9	.8	.2	.1							2.5	6.8
SE	.5	1.3	2.4	.8	.3	.0	.0					5.3	8.5
SSE	.7	2.0	2.6	1.7	.3	.2	.0					7.5	9.0
S	1.0	1.9	3.9	3.1	.9	.4	.2					11.4	10.4
SSW	1.0	1.6	1.5	.9	.3	.2						8.5	8.6
SW	.8	1.7	2.0	1.3	.2	.0			.0			6.1	8.2
WSW	.5	1.7	2.0	1.0	.4	.3	.0	.0				5.9	9.6
W	1.1	2.5	3.9	2.1	.6	.2						10.5	9.0
WNW	1.0	1.7	3.4	2.3	.5	.2	.0					8.9	9.5
NW	1.1	1.3	3.5	1.9	.4	.1	.0					8.3	9.0
NNW	.6	.8	1.7	.8	.2	.0						4.1	8.3
VARBL													
CALM												9.1	
	12.2	22.1	32.8	17.9	4.4	1.9	.3	.0	.0			100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 3145

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806 STATION      CHANUTE AFB ILLINOIS/RANT:HL STATION NAME      36-70 YEARS      MONTH      2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

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	.0	1.2	1.8	.6	.2		.0					4.8	8.0
NNE	.3	.7	1.0	.2								2.2	6.8
NE	.3	1.0	1.1	.3	.1	.1	.0					3.0	8.2
ENE	.3	.8	.8	.3	.1							2.4	7.5
E	.9	1.0	.9	.2								3.0	5.7
ESE	.7	.8	.8	.2								2.5	5.9
SE	.6	1.5	2.3	.8	.2	.1						5.5	8.2
SSE	.9	1.6	2.4	1.2	.1	.1						6.3	8.1
S	1.0	1.9	3.6	2.9	.7	.3	.1	.1				10.6	10.2
SSW	.6	1.4	1.7	1.6	.7	.2						6.2	10.0
SW	1.0	1.7	2.6	1.6	.5	.0						7.3	8.8
WSW	.6	1.5	1.9	1.3	.4	.3						6.0	9.3
W	1.2	2.6	3.9	1.6	.5	.3	.0					10.2	8.7
WNW	.5	1.5	3.1	2.0	.4	.2	.0					7.8	9.7
NW	.5	1.8	3.6	2.6	.4	.0						8.9	9.4
NNW	.3	1.0	1.9	.7	.2	.1						4.2	8.8
VARBL													
CALM												9.0	
	10.7	22.2	33.4	18.2	4.5	1.7	.2	.1				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 3145

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-63  
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	.7	1.3	2.0	1.0	.2	.1	.0					5.3	8.3
NNE	.2	.6	1.1	.4								2.4	7.8
NE	.4	.7	1.2	.8	.1	.0						3.3	8.6
ENE	.5	.8	.7	.7	.0							2.7	7.6
E	.6	.9	1.1	.5	.0							3.0	7.3
ESE	.3	.6	.9	.4	.1	.0						2.3	8.1
SE	1.0	1.4	2.5	1.3	.1	.0						6.3	7.9
SSE	.8	1.0	2.2	1.1	.2	.2						5.5	9.1
S	.7	1.7	2.7	2.9	.4	.2						8.6	9.7
SSW	.5	1.2	3.1	2.0	.1	.1						6.9	9.4
SW	.6	1.7	3.2	1.9	.2	.0						7.6	9.0
WSW	.4	1.1	2.1	1.7	.3	.0		.1				5.8	9.7
W	.9	2.0	3.5	1.5	.6	.1	.0					8.7	8.5
WNW	.6	1.3	4.2	2.3	.5							8.9	9.5
NW	.6	1.9	5.3	2.1	.4	.1						10.3	8.9
NNW	.4	.7	2.0	.9	.2	.1						4.3	9.3
VARBL													
CALM												8.0	
	9.2	19.0	37.8	21.4	3.3	1.1	.1	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

2539

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

14806  
STATION

CLANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-67  
YEARS

JFC  
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	.7	.8	2.2	1.5	.2	.1						5.5	9.0
NNE	.2	1.0	1.3	.6	.1							3.2	8.6
NE	.3	.6	1.1	.9	.3	.1						3.3	9.7
ENE	.3	.7	1.0	.6	.1							2.6	8.5
E	.5	1.2	.7	.4								2.8	6.8
ESE	.4	1.0	1.4	.4	.1							3.3	7.5
SE	1.4	1.8	2.7	.4	.3	.0						6.7	7.0
SSE	.6	1.1	1.7	1.1	.3	.1						4.9	9.0
S	.9	1.7	3.3	2.4	.5	.2						9.0	9.4
SSW	.3	1.0	2.7	2.5	.4	.0						6.8	10.1
SW	.7	1.8	2.7	1.5	.1	.1						5.9	8.5
WSW	.4	1.4	2.2	1.7	.4	.2	.0					6.4	10.0
W	.8	2.2	3.0	1.3	.3	.2						7.8	8.2
WNW	.2	1.2	3.2	2.6	.5	.1						8.1	9.9
NW	1.0	2.0	4.9	2.1	.3	.1						10.4	8.8
NNW	.4	.7	1.9	1.1	.2							4.3	9.3
VARBL													
CALM												8.2	
	9.3	20.1	35.9	21.2	4.1	1.1	.0					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 2511

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806  
STATION

CHUTE AFB ILLINOIS/RANTOUL  
STATION NAME

30-70  
YEARS

UTC  
MONTH

ALL WEATHER  
CLASS

0000-0800  
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	.6	1.2	1.6	1.3	.1							4.9	8.4
NNE	.4	.9	1.0	.6	.1							3.0	7.7
NE	.4	.7	1.3	.8	.3	.1						3.6	9.6
ENE	.4	.7	.6	.5	.2	.0						2.4	8.8
E	.6	1.1	1.4	.4	.0							3.5	7.0
ESE	.4	.8	1.1	.4	.1							2.8	7.5
SE	1.2	1.3	2.0	.6	.1	.1						5.6	7.6
SSE	.4	1.6	2.8	1.2	.3	.1	.1					6.6	9.2
S	.9	2.2	3.8	1.8	.7	.1						9.6	9.0
SSW	.4	.8	2.5	2.7	.5	.1						7.0	10.5
SW	.7	2.0	2.7	1.7	.4							7.5	8.6
WSW	.4	1.3	2.2	1.4	.4	.2						5.9	9.7
W	.9	1.8	3.4	1.8	.3	.3						8.6	9.1
WNW	.5	1.6	3.8	2.4	.5	.0						8.8	9.6
NW	.6	1.3	4.1	2.2	.1	.0						8.3	9.1
NNW	.4	1.2	1.8	1.4	.2	.1						5.1	9.3
VARBL													
CALM												6.8	
	9.2	20.6	36.3	21.5	4.3	1.3	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

3099

DATA PROCESSING DIVISION  
 ETAL/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806 STATION CHANUTE AFB ILLINOIS/RANTHUL 36-70 YEARS DEC MONTH 0900-1100 HOURS (LST)

ALL WEATHER CLASS

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	.8	1.4	1.0	.2							3.9	9.0
NNE	.3	1.0	1.0	.9	.1							3.2	8.6
NE	.2	.8	1.0	.9	.3	.1						3.5	9.5
ENE	.2	.6	1.1	.5	.1	.1						2.7	8.9
E	.2	.7	1.3	.6								2.8	8.2
ESE	.2	.4	1.4	.5	.1	.0						2.6	9.1
SE	.2	.6	2.5	1.4	.3	.1						5.1	10.0
SSE	.3	1.3	2.6	2.5	.5	.1	.1		.0			7.6	10.4
S	.4	1.4	3.4	4.0	1.2	.4	.0					10.8	11.5
SSW	.4	1.2	2.5	3.4	1.0	.3						8.9	11.3
SW	.4	.8	2.6	2.2	.7	.3						7.0	10.9
WSW	.4	.8	2.6	2.1	.7	.3	.1					6.9	11.2
W	.4	1.4	3.6	3.1	.6	.2	.1					9.4	10.7
WNW	.2	1.2	3.6	3.6	1.0	.2						9.8	11.2
NW	.4	.9	2.6	3.5	.3	.0	.0					7.7	10.9
NNW	.3	.9	1.9	1.6	.6							5.2	10.3
VARBL													
CALM												2.9	
	5.4	14.8	35.0	31.8	7.7	2.0	.3		.0			106.0	10.2

TOTAL NUMBER OF OBSERVATIONS 3200

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806  
STATION

CHANUTE AFB ILLINOIS/RANT,UL  
STATION NAME

36-70  
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	.3	.4	1.4	1.3	.2		.1					3.7	10.4
NNE	.1	.5	1.0	.9	.3							2.8	10.2
NE	.5	.5	.8	.6	.3							2.7	9.1
ENE	.2	.3	1.3	.6	.1							2.4	9.1
E	.2	.6	.8	.7	.1							2.4	9.2
ESE	.2	.3	.8	.7	.1							2.1	9.5
SE	.4	.5	2.2	1.5	.2	.1						4.9	10.1
SSE	.4	.9	1.9	2.5	.6	.1						6.4	10.9
S	.5	1.2	3.0	4.9	1.2	.5	.1					11.5	12.0
SSW	.4	1.1	3.1	3.4	1.2	.2	.1					9.5	11.6
SW	.2	1.0	3.1	2.4	1.2	.1	.0	.0				8.2	11.4
WSW	.4	1.1	2.7	2.7	.7	.4	.1					8.1	11.3
W	.5	1.0	3.7	3.3	.9	.5						9.8	11.3
WNW	.4	1.2	3.5	4.1	1.5	.1						10.8	11.5
NW	.2	.7	3.4	2.9	.6	.2						8.0	11.0
NNW	.5	.7	1.7	1.7	.6							5.0	10.5
VARBL													
CALM												1.9	
	5.3	11.8	34.5	34.2	9.8	2.1	.3	.0				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 3250

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 14806 STATION NAME CHALGATE AFB ILLINOIS/RANTHUL YEARS 66-70 UFC MONTH 1500-1700  
STATION NAME YEARS MONTH HOURS (LST)  
 CLASS ALL WEATHER  
 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	.8	1.8	1.4	.3	.1						4.9	9.6
NNE	.2	.4	.7	.7	.1	.0						2.2	9.7
NE	.3	.9	1.2	.4	.2							2.9	7.8
ENE	.6	.6	.9	.5	.1							2.6	7.7
E	.5	.9	1.5	.6	.1							3.6	7.6
ESE	.2	.8	1.2	.6	.1	.0						2.8	5.6
SE	.5	1.4	2.2	.9	.2	.0						5.1	8.2
SSE	.3	1.3	3.0	1.6	.5	.1						6.8	9.8
S	.9	2.1	4.2	2.8	.9	.2	.1					11.2	10.0
SSW	.6	1.2	2.7	2.2	.6	.1						7.3	9.9
SW	.7	1.5	3.0	1.2	.3	.1	.1	.0				6.9	8.9
WSW	.5	1.0	2.8	1.6	.5	.3						6.7	10.3
W	.7	1.8	4.2	2.9	.7	.4	.0	.0				10.8	10.3
WNW	.5	1.5	3.2	3.6	.6	.1						9.4	10.3
NW	.5	1.1	3.3	2.6	.4	.1						8.1	9.9
NNW	.3	.9	2.2	1.4	.4	.1						5.2	9.8
VARBL													
CALM												3.6	
	7.7	18.1	38.1	24.9	5.0	1.6	.2	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 3254

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14806 STATION CHANOTE AFB ILLINOIS/RANTJUL STATION NAME 36-70 YEARS LFC MONTH 1800-2000 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 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	.9	2.2	1.1	.2	.0	.0					5.1	8.6
NNE	.5	.5	1.0	.6	.1							2.7	8.5
NE	.5	1.0	1.2	.4	.1							3.3	7.1
ENE	.5	.8	.9	.3	.1							2.6	7.3
E	.5	1.2	1.7	.6	.0							4.1	7.4
ESE	.4	.8	1.2	.7	.1	.1						3.2	8.5
SE	.5	1.2	2.1	1.5	.1	.2						5.6	9.0
SSE	.5	1.7	3.0	1.6	.3	.1						7.2	9.2
S	.8	2.3	3.5	2.9	.6	.2						10.3	9.5
SSW	.4	1.1	1.4	2.3	.5	.1	.0					5.8	10.3
SW	.9	1.8	2.9	1.2	.2		.1					7.1	8.2
WSW	.5	1.4	1.8	.7	.2	.1	.1					4.9	8.9
W	.6	2.5	3.9	2.4	.5	.3	.0	.0				10.2	9.4
WNW	.5	1.5	3.2	2.7	.5	.1						8.5	9.8
NW	.8	1.8	3.1	1.6	.6							8.0	8.9
NNW	.4	1.0	2.2	.9	.4	.2						5.1	9.5
VARBL													
CALM												6.9	
	9.0	21.5	35.3	21.5	4.5	1.3	.3	.0				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 3239

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14866 STATION CHANUTE AFB ILLINOIS/RANDOL STATION NAME 36-70 YEARS DEC 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	.7	1.6	2.0	1.1	.2	.1						5.5	8.2
NNE	.5	.4	.9	.4	.1							2.2	7.7
NE	.4	.8	1.3	.7	.0							3.3	8.0
ENE	.3	.7	1.0	.4	.1							2.0	7.6
E	.0	1.0	1.9	.4								4.3	7.4
ESE	.4	.7	1.2	.2	.1							2.7	7.7
SE	.8	1.3	2.0	1.2	.2	.1	.0					5.6	8.4
SSE	.9	1.1	2.2	1.6	.4	.1						6.3	9.1
S	.6	1.8	3.5	3.0	.7	.2						10.0	9.9
SSW	.7	1.0	2.2	2.0	.3	.1						6.3	9.7
SW	.6	1.5	3.1	1.8	.3	.1						7.4	9.0
WSW	.5	1.3	2.0	1.3	.2	.2	.1					5.6	9.8
W	.7	2.2	3.5	1.5	.9	.1	.1					9.0	9.2
WNW	.5	1.3	3.4	2.8	.4	.1	.0					8.5	10.0
NW	.6	1.6	3.9	2.0	.5	.1						8.7	9.4
NNW	.4	1.0	2.4	1.3	.3	.0						5.5	9.2
VARBL													
CALM												7.2	
	9.1	19.4	36.1	22.0	4.7	1.3	.2					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 3223

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14806 STATION CHAMUTE AFB ILLINOIS/RANTHUL STATION NAME 36-70 YEARS ALL MONTH

INSTRUMENT CLASS  
 CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE  
 CONDITION  
 AND/OR VSBY 1/2 TO 2-1/2 MI w/CIG 200 FT OR MORE

ALL 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	.5	1.2	2.8	2.5	.7	.2	.0	.0				8.0	10.6
NNE	.4	1.0	2.5	2.1	.5	.1	.0	.0				6.6	10.4
NE	.6	1.1	2.8	1.8	.6	.2	.0	.0				7.7	10.4
ENE	.4	.8	1.7	1.3	.5	.1	.0					4.8	10.2
E	.5	1.1	2.0	1.1	.3	.0	.0					5.0	8.9
ESE	.3	.6	1.3	.9	.1	.0						3.3	9.2
SE	.6	1.0	2.0	1.3	.4	.1	.0	.0				5.4	9.6
SSE	.4	.9	1.6	1.5	.4	.1	.0	.0	.0			5.2	10.3
S	.6	1.3	2.6	2.1	.7	.3	.1	.0				7.7	10.6
SSW	.3	.6	1.7	1.5	.4	.1	.0	.0				4.7	10.7
SW	.4	.7	1.8	1.3	.4	.3	.1	.0	.0			5.0	10.6
WSW	.3	.6	1.3	1.2	.5	.3	.1	.0	.0			4.4	11.8
W	.5	.9	2.2	1.9	.8	.4	.1	.0	.0			6.8	11.4
WNW	.3	.9	2.3	2.3	.7	.2	.0					6.5	11.1
NW	.5	1.1	2.7	2.2	.7	.2	.0	.0				7.5	10.5
NNW	.3	1.0	2.5	2.2	.6	.1	.0	.0				6.7	10.6
VARBL													
CALM												5.7	
	7.1	14.9	34.0	27.1	8.4	2.7	.6	.1	.0			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 39415

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## 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.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	> 6	> 5	> 4	> 3	> 2 1/2	> 2	> 1 1/2	> 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
1500					91.0											92.6
1000																
500										97.4						98.1
0					95.4	96.9				98.3						100.0

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

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

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  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 group; it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

GRANDIE AFB ILLINOIS/RANDOLPH  
STATION NAME

36-70  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	29.7	42.7	45.1	48.8	48.1	48.3	48.9	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.5
≥ 20000	33.9	49.3	52.2	54.3	55.7	56.0	56.6	56.8	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.4
IV 18000	34.0	49.5	52.4	54.5	55.9	56.2	56.8	57.1	57.1	57.3	57.4	57.4	57.4	57.4	57.5	57.6
IV 16000	34.1	49.7	52.6	54.7	56.1	56.5	57.0	57.3	57.3	57.5	57.6	57.6	57.7	57.7	57.7	57.8
IV 14000	34.6	50.5	53.5	55.6	57.1	57.4	58.0	58.3	58.3	58.5	58.6	58.6	58.7	58.7	58.7	58.8
IV 12000	35.5	52.1	55.2	57.4	59.0	59.3	59.9	60.2	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.7
IV 10000	36.9	54.5	57.7	60.1	61.7	62.1	62.7	63.0	63.0	63.2	63.3	63.3	63.4	63.4	63.4	63.5
IV 9000	37.4	55.3	58.6	61.0	62.7	63.0	63.7	64.0	64.0	64.2	64.3	64.3	64.3	64.4	64.4	64.5
IV 8000	38.4	57.2	60.7	63.2	64.9	65.3	66.0	66.3	66.4	66.6	66.6	66.6	66.7	66.7	66.8	66.9
IV 7000	39.2	58.7	62.3	64.9	66.6	67.2	67.8	68.2	68.2	68.4	68.5	68.5	68.6	68.6	68.7	68.8
IV 6000	39.8	60.0	63.8	66.5	68.4	68.8	69.5	69.9	69.9	70.2	70.2	70.2	70.3	70.3	70.4	70.5
IV 5000	40.7	61.8	65.7	68.5	70.6	71.0	71.8	72.1	72.2	72.4	72.5	72.5	72.6	72.6	72.7	72.7
IV 4500	41.2	62.5	66.6	69.5	71.5	72.0	72.7	73.1	73.2	73.4	73.5	73.5	73.6	73.6	73.7	73.7
IV 4000	42.1	64.3	68.3	71.3	73.6	74.1	75.0	75.3	75.4	75.7	75.7	75.8	75.8	75.8	75.9	76.0
IV 3500	42.8	65.6	69.9	73.0	75.2	75.7	76.6	77.0	77.1	77.3	77.4	77.4	77.5	77.5	77.6	77.7
IV 3000	43.7	67.4	71.9	75.2	77.5	78.0	78.9	79.4	79.4	79.7	79.8	79.8	79.9	79.9	80.0	80.1
IV 2500	44.5	69.0	73.7	77.1	79.8	80.2	81.1	81.5	81.6	82.0	82.1	82.1	82.1	82.2	82.2	82.3
IV 2000	45.3	70.9	75.6	79.5	82.1	82.7	83.6	84.3	84.4	84.7	84.8	84.8	84.9	84.9	85.0	85.1
IV 1800	45.5	71.3	76.3	80.0	82.6	83.3	84.3	85.0	85.1	85.4	85.5	85.5	85.6	85.7	85.7	85.8
IV 1500	45.8	72.4	77.7	81.6	84.3	85.1	86.2	86.9	87.0	87.4	87.5	87.5	87.6	87.6	87.7	87.8
IV 1200	46.1	73.4	78.9	83.0	86.1	86.8	88.1	88.8	88.9	89.3	89.5	89.5	89.6	89.6	89.6	89.8
IV 1000	46.3	74.1	79.8	84.1	87.5	88.2	89.7	90.4	90.5	91.1	91.2	91.3	91.4	91.4	91.5	91.6
IV 900	46.3	74.3	80.1	84.5	88.0	88.7	90.3	91.1	91.2	91.8	91.9	92.0	92.1	92.1	92.2	92.3
IV 800	46.3	74.6	80.3	85.0	88.6	89.4	91.1	92.0	92.1	92.7	93.0	93.1	93.1	93.1	93.2	93.3
IV 700	46.4	74.7	80.7	85.4	89.1	90.0	91.8	92.7	92.9	93.6	93.8	93.8	94.0	94.0	94.1	94.2
IV 600	46.4	74.9	80.9	85.7	89.6	90.5	92.3	93.3	93.7	94.5	94.8	94.8	95.0	95.0	95.1	95.2
IV 500	46.4	75.0	81.1	86.0	90.0	91.0	93.1	94.4	94.6	95.3	95.6	95.6	96.1	96.1	96.2	96.3
IV 400	46.4	75.0	81.2	86.1	90.3	91.3	93.6	95.0	95.2	96.3	96.7	96.8	97.0	97.1	97.2	97.3
IV 300	46.4	75.0	81.2	86.2	90.4	91.4	93.8	95.3	95.6	96.9	97.4	97.5	97.8	97.9	98.0	98.2
IV 200	46.4	75.0	81.2	86.2	90.4	91.5	93.9	95.5	95.8	97.1	97.8	97.9	98.4	98.5	98.7	98.9
IV 100	46.4	75.0	81.2	86.2	90.4	91.5	93.9	95.5	95.8	97.2	97.9	98.0	98.6	98.7	99.0	99.4
IV 0	46.4	75.0	81.2	86.2	90.4	91.5	93.9	95.5	95.8	97.2	98.0	98.1	98.6	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 28304

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRANT AIR ILLINOIS/KOHLER  
STATION NAME

47-70  
YEARS

MONTH

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 131

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	10.1	31.3	34.1	36.1	33.0	34.4	39.0	39.3	39.4	39.6	39.7	39.7	39.8	39.8	39.0	39.9
IV 18000	19.9	35.3	38.9	41.5	43.8	44.3	49.0	45.4	45.5	45.7	45.9	45.9	45.9	46.0	46.0	46.2
IV 16000	20.0	35.3	39.3	41.5	44.3	44.8	45.6	46.0	46.0	46.3	46.4	46.4	46.5	46.5	46.6	46.7
IV 14000	20.3	36.6	40.2	42.7	45.4	45.9	46.7	47.1	47.2	47.5	47.6	47.6	47.7	47.7	47.7	47.9
IV 12000	20.9	37.7	41.5	44.4	46.9	47.5	46.3	48.7	48.8	49.1	49.2	49.2	47.3	49.3	49.4	49.5
IV 10000	21.4	39.6	43.5	46.6	49.3	49.8	50.7	51.1	51.2	51.5	51.6	51.6	51.7	51.7	51.8	51.9
IV 9000	22.1	40.1	44.2	47.3	50.0	50.6	51.5	51.9	52.0	52.3	52.4	52.4	52.5	52.5	52.6	52.7
IV 8000	22.6	41.4	45.6	48.9	51.7	52.3	53.3	53.7	53.8	54.1	54.2	54.3	54.3	54.3	54.4	54.5
IV 7000	23.0	42.9	46.7	50.1	53.0	53.7	54.7	55.2	55.3	55.6	55.8	55.9	55.8	55.9	55.9	56.1
IV 6000	23.2	43.1	47.5	51.1	54.1	54.9	55.9	56.5	56.6	56.9	57.0	57.3	57.3	57.1	57.2	57.3
IV 5000	23.6	44.3	48.6	52.3	55.4	56.3	57.3	57.9	58.0	58.3	58.5	58.5	58.5	58.5	58.6	58.8
IV 4500	23.7	44.4	48.9	52.7	55.9	56.7	57.8	58.4	58.5	58.8	59.0	59.0	59.0	59.1	59.1	59.3
IV 4000	23.9	45.1	49.8	53.9	57.1	58.0	59.1	59.7	59.9	60.2	60.4	60.4	60.5	60.5	60.6	60.7
IV 3500	24.2	45.9	50.6	54.8	58.3	59.2	60.4	61.0	61.1	61.5	61.7	61.7	61.8	61.8	61.9	62.0
IV 3000	24.7	47.3	52.4	56.6	60.3	61.2	62.5	63.2	63.3	63.7	63.9	63.9	64.0	64.0	64.1	64.2
IV 2500	25.2	48.9	54.2	58.7	62.7	63.6	65.0	65.7	65.9	66.4	66.5	66.6	66.7	66.7	66.7	66.9
IV 2000	25.8	50.9	56.6	61.5	65.8	66.8	68.3	69.2	69.3	69.9	70.1	70.2	70.3	70.3	70.4	70.5
IV 1800	25.9	51.4	57.2	62.2	66.6	67.7	69.3	70.2	70.4	71.0	71.2	71.2	71.4	71.4	71.4	71.6
IV 1500	26.2	53.1	59.2	64.5	69.3	70.5	72.3	73.3	73.5	74.2	74.5	74.5	74.6	74.6	74.7	74.6
IV 1200	26.3	54.4	61.0	66.6	71.9	73.2	75.3	76.5	76.7	77.5	77.8	77.8	78.0	78.0	78.1	78.2
IV 1000	26.6	55.4	62.3	68.4	74.1	75.5	77.8	79.2	79.4	80.5	80.9	80.9	81.1	81.1	81.2	81.4
IV 900	26.7	55.9	62.8	69.1	75.0	76.4	78.9	80.4	80.7	81.8	82.2	82.2	82.5	82.5	82.6	82.8
IV 800	26.7	56.2	63.3	69.8	76.0	77.5	80.3	82.0	82.3	83.6	84.1	84.1	84.4	84.4	84.5	84.7
IV 700	26.7	56.3	63.7	70.3	76.8	78.4	81.3	83.4	83.7	85.1	85.8	85.8	86.1	86.1	86.3	86.4
IV 600	26.8	56.5	63.9	70.6	77.5	79.2	82.7	84.8	85.2	86.8	87.5	87.5	88.0	88.0	88.1	88.2
IV 500	26.8	56.6	64.1	71.0	78.1	80.0	83.8	86.2	86.6	88.5	89.4	89.5	89.9	90.0	90.1	90.3
IV 400	26.8	56.6	64.2	71.2	78.9	80.5	84.6	87.3	87.8	90.1	91.3	91.3	91.9	92.0	92.2	92.5
IV 300	26.8	56.6	64.3	71.3	78.7	80.7	85.0	87.9	88.5	91.3	92.8	92.9	93.6	93.7	94.0	94.3
IV 200	26.8	56.6	64.3	71.3	78.7	80.7	85.1	88.2	88.8	91.9	93.8	93.9	95.1	95.2	95.8	96.2
IV 100	26.8	56.6	64.3	71.3	78.7	80.8	85.1	88.3	88.9	92.1	94.1	94.3	95.8	96.0	97.0	97.9
IV 0	26.8	56.6	64.3	71.3	78.7	80.8	85.1	88.3	88.9	92.2	94.2	94.4	95.9	96.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 23870

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14805 STATION CHANOTE AFB ILLINOIS/CAENTJUL 47-70 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL HOURS 11 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	21.7	34.2	36.8	39.0	40.5	40.8	41.4	41.7	41.8	42.0	42.0	42.0	42.1	42.1	42.1	42.2
≥ 20000	23.5	38.2	41.4	44.1	46.0	46.4	47.2	47.6	47.7	47.9	47.9	48.0	48.0	48.0	48.0	48.1
IV 18000	23.7	38.4	41.6	44.3	46.2	46.6	47.4	47.8	47.9	48.1	48.1	48.2	48.2	48.2	48.2	48.3
IV 16000	23.8	38.6	41.6	44.6	46.5	46.9	47.7	48.1	48.2	48.4	48.4	48.5	48.5	48.5	48.6	48.6
IV 14000	23.9	39.1	42.5	45.3	47.3	47.7	48.5	48.9	49.0	49.2	49.3	49.3	49.3	49.4	49.4	49.5
IV 12000	24.4	40.3	43.7	46.6	48.7	49.1	49.9	50.4	50.5	50.7	50.7	50.7	50.8	50.8	50.7	50.7
IV 10000	25.2	41.8	45.4	48.5	50.7	51.2	52.1	52.5	52.6	52.8	52.9	52.9	53.0	53.0	53.0	53.1
IV 9000	25.7	42.6	46.2	49.4	51.6	52.1	53.0	53.5	53.6	53.8	53.9	53.9	54.0	54.0	54.0	54.1
IV 8000	26.4	44.4	48.3	51.6	54.0	54.6	55.5	56.0	56.1	56.3	56.4	56.4	56.5	56.5	56.6	56.6
IV 7000	26.9	45.7	49.6	53.2	55.7	56.3	57.3	57.9	58.0	58.2	58.2	58.3	58.4	58.4	58.4	58.5
IV 6000	27.2	46.7	50.8	54.6	57.1	57.8	58.9	59.5	59.6	59.8	59.9	59.9	60.0	60.0	60.0	60.1
IV 5000	27.6	47.9	52.4	56.2	58.8	59.5	60.7	61.3	61.4	61.7	61.7	61.7	61.8	61.8	61.9	62.0
IV 4500	27.8	48.4	53.0	56.9	59.6	60.3	61.5	62.1	62.2	62.5	62.6	62.6	62.7	62.7	62.8	62.8
IV 4000	28.1	49.3	54.3	58.4	61.2	62.0	63.3	63.9	64.0	64.4	64.4	64.5	64.5	64.5	64.6	64.7
IV 3500	28.5	50.3	55.4	59.6	62.6	63.4	64.7	65.4	65.6	65.9	66.0	66.0	66.1	66.1	66.1	66.2
IV 3000	29.3	51.3	56.9	61.3	64.5	65.3	66.7	67.5	67.6	68.0	68.1	68.1	68.2	68.2	68.3	68.3
IV 2500	29.7	53.6	59.0	63.7	67.1	68.0	69.6	70.5	70.6	71.0	71.1	71.1	71.2	71.2	71.3	71.4
IV 2000	30.4	56.1	62.0	67.1	70.9	71.9	73.7	74.7	74.9	75.4	75.5	75.6	75.7	75.7	75.7	75.8
IV 1800	30.5	56.4	62.8	68.0	71.8	72.9	74.8	75.8	76.0	76.6	76.7	76.7	76.9	76.9	76.9	77.0
IV 1500	30.9	58.2	64.5	70.1	74.2	75.4	77.3	78.6	78.8	79.5	79.7	79.7	79.9	79.9	79.9	80.0
IV 1200	31.2	59.5	66.3	72.2	76.7	78.0	80.3	81.6	81.9	82.6	82.8	82.9	83.1	83.1	83.1	83.2
IV 1000	31.3	60.2	67.4	73.7	78.6	79.9	82.5	84.0	84.3	85.4	85.6	85.7	85.9	85.9	86.0	86.1
IV 900	31.4	60.3	67.7	74.1	79.2	80.6	83.4	85.0	85.3	86.4	86.7	86.7	87.0	87.0	87.1	87.1
IV 800	31.4	60.7	68.1	74.6	79.9	81.4	84.4	86.2	86.5	87.8	88.1	88.2	88.5	88.5	88.5	88.6
IV 700	31.4	60.8	68.3	74.9	80.3	82.1	85.3	87.2	87.5	88.9	89.3	89.4	89.7	89.7	89.8	89.9
IV 600	31.4	60.9	68.5	75.3	80.9	82.6	86.0	88.2	88.7	90.2	90.7	90.8	91.2	91.2	91.3	91.3
IV 500	31.4	61.0	68.7	75.5	81.3	83.1	86.8	89.3	89.8	91.7	92.3	92.4	92.9	92.9	93.0	93.1
IV 400	31.4	61.1	68.7	75.6	81.5	83.3	87.2	90.0	90.6	92.7	93.6	93.7	94.3	94.3	94.5	94.6
IV 300	31.4	61.1	68.8	75.6	81.6	83.5	87.4	90.3	91.0	91.4	94.5	94.7	95.5	95.6	95.8	95.8
IV 200	31.4	61.1	68.8	75.7	81.7	83.5	87.5	90.5	91.2	91.9	95.2	95.5	96.5	96.7	97.1	97.3
IV 100	31.4	61.1	68.8	75.7	81.7	83.5	87.6	90.6	91.3	94.1	95.5	95.8	97.1	97.3	98.1	98.6
IV 0	31.4	61.1	68.8	75.7	81.7	83.5	87.6	90.6	91.3	94.1	95.6	95.9	97.3	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 21724

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHANDLER AFB ILLINOIS/RANTOUL  
 STATION NAME

17-70  
 YEARS

MAR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS 11 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	23.2	34.9	37.1	38.5	39.7	40.0	40.4	40.7	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	41.0
IV 20000	20.3	40.2	42.0	44.6	45.8	46.2	46.7	47.0	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.4
IV 18000	26.5	40.5	43.1	45.0	45.2	46.0	47.1	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.7	47.8
IV 16000	26.6	40.7	43.4	45.2	46.4	46.8	47.3	47.6	47.7	47.8	47.8	47.8	47.8	47.9	47.9	47.9	48.0
IV 14000	27.0	41.3	44.0	45.4	47.2	47.6	48.1	48.4	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.8
IV 12000	27.0	42.8	45.6	47.7	49.0	49.4	49.9	50.2	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.6
IV 10000	29.1	45.0	47.9	50.0	51.3	51.7	52.3	52.6	52.6	52.8	52.8	52.8	52.8	52.9	52.9	52.9	53.0
IV 9000	29.5	45.7	48.4	50.9	52.3	52.7	53.3	53.6	53.6	53.8	53.8	53.8	53.8	53.9	53.9	53.9	54.0
IV 8000	30.7	47.8	51.0	53.3	54.7	55.2	55.8	56.1	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.5
IV 7000	31.4	49.3	52.7	55.1	56.7	57.1	57.7	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.6
IV 6000	32.0	50.7	54.3	56.9	58.6	59.1	59.7	60.2	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.6
IV 5000	32.8	52.5	56.4	59.2	61.0	61.5	62.2	62.7	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1
IV 4500	33.2	53.4	57.3	60.1	62.0	62.6	63.3	63.7	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.2
IV 4000	33.9	55.1	59.3	62.3	64.2	64.8	65.6	66.0	66.1	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6
IV 3500	34.6	56.5	60.9	64.3	66.1	66.7	67.5	68.0	68.0	68.3	68.3	68.3	68.3	68.4	68.4	68.5	68.5
IV 3000	36.2	59.1	63.8	67.1	69.3	69.9	70.9	71.4	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.9	72.0
IV 2500	37.1	62.0	66.9	70.5	72.6	73.5	74.5	75.1	75.1	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.8
IV 2000	38.2	64.7	70.0	74.0	76.7	77.4	78.5	79.2	79.3	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.9
IV 1800	38.3	65.3	70.7	74.7	77.5	78.3	79.3	80.2	80.3	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.9
IV 1500	38.8	66.7	72.4	76.7	79.7	80.5	81.9	82.7	82.8	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.5
IV 1200	39.0	67.9	73.9	78.5	81.9	82.7	84.2	85.1	85.3	85.7	85.8	85.8	85.9	85.9	85.9	86.0	86.1
IV 1000	39.0	68.4	74.8	79.8	83.5	84.4	86.1	87.2	87.4	87.9	88.1	88.1	88.2	88.3	88.3	88.3	88.4
IV 900	39.1	68.6	75.1	80.2	84.1	85.1	86.9	88.0	88.2	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.4
IV 800	39.1	68.9	75.5	80.7	84.8	85.8	87.9	89.1	89.3	90.0	90.3	90.3	90.5	90.5	90.5	90.6	90.7
IV 700	39.1	69.0	75.7	81.1	85.3	86.5	88.6	90.0	90.2	91.1	91.4	91.5	91.7	91.7	91.7	91.8	91.9
IV 600	39.2	69.2	76.0	81.5	85.9	87.2	89.6	91.1	91.4	92.4	92.8	92.9	93.1	93.1	93.2	93.2	93.3
IV 500	39.2	69.3	76.2	81.8	86.5	87.9	90.5	92.3	92.6	93.9	94.4	94.5	94.8	94.8	94.9	94.9	95.0
IV 400	39.2	69.4	76.4	82.0	86.8	88.3	91.1	93.0	93.4	94.9	95.6	95.7	96.0	96.1	96.2	96.2	96.3
IV 300	39.2	69.4	76.3	82.0	86.9	88.4	91.3	93.5	94.0	95.8	96.7	96.9	97.3	97.3	97.5	97.5	97.5
IV 200	39.2	69.4	76.3	82.0	86.9	88.4	91.4	93.7	94.2	96.2	97.3	97.5	98.1	98.2	98.4	98.4	98.5
IV 100	39.2	69.4	76.3	82.0	86.9	88.4	91.5	93.7	94.2	96.2	97.4	97.6	98.4	98.6	98.9	98.9	99.3
IV 0	39.2	69.4	76.3	82.0	86.9	88.4	91.5	93.7	94.2	96.3	97.5	97.7	98.4	98.7	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 23801

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER ILLINOIS/RANDOLPH  
STATION NAME

37-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	35.1	38.7	40.1	41.2	41.7	41.7	41.9	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 20000	35.1	36.1	40.0	49.3	49.9	49.9	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4
IV 18000	35.4	46.4	48.3	49.5	50.1	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.7	50.7
IV 16000	35.7	46.6	48.5	49.8	50.4	50.5	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0
IV 14000	36.4	47.6	49.0	50.3	51.5	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.1	52.1
IV 12000	37.4	49.1	51.1	52.4	53.1	53.2	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.7	53.7	53.7
IV 10000	39.1	51.7	53.6	55.2	55.9	56.0	56.2	56.3	56.3	56.4	56.4	56.4	56.4	56.5	56.5	56.5
IV 9000	39.8	52.5	55.0	56.9	57.2	57.3	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8
IV 8000	41.2	55.2	57.5	59.3	59.9	59.9	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5
IV 7000	42.2	57.2	59.7	61.3	62.2	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
IV 6000	43.3	59.2	62.0	63.7	64.7	64.8	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.4
IV 5000	44.5	62.1	65.1	67.1	68.1	68.3	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.9	68.9	68.9
IV 4500	45.6	63.4	66.3	68.5	69.7	69.8	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.5
IV 4000	47.2	66.0	69.2	71.9	72.7	72.9	73.3	73.5	73.5	73.6	73.6	73.6	73.6	73.7	73.7	73.7
IV 3500	48.5	68.2	71.6	73.9	75.2	75.4	75.8	76.0	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3
IV 3000	50.2	70.9	74.6	77.0	78.5	78.7	79.1	79.3	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.6
IV 2500	51.3	73.0	76.9	79.4	81.0	81.2	81.7	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.3	82.3
IV 2000	52.5	75.6	79.7	82.4	84.1	84.4	85.0	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6
IV 1800	52.9	76.2	80.3	83.2	84.9	85.2	85.8	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.4	86.4
IV 1500	53.4	77.6	82.0	84.9	86.8	87.1	87.8	88.1	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.5
IV 1200	53.8	78.8	83.4	86.6	88.6	88.9	89.7	90.0	90.1	90.3	90.4	90.4	90.4	90.4	90.5	90.5
IV 1000	54.1	79.5	84.4	87.8	90.1	90.5	91.4	91.8	91.8	92.1	92.2	92.2	92.2	92.3	92.3	92.3
IV 900	54.1	79.8	84.9	88.4	90.8	91.2	92.2	92.6	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1
IV 800	54.2	80.2	85.4	89.0	91.7	92.1	93.3	93.8	93.8	94.2	94.3	94.3	94.3	94.3	94.4	94.4
IV 700	54.3	80.5	85.8	89.6	92.3	92.8	94.1	94.7	94.8	95.2	95.3	95.3	95.3	95.4	95.4	95.4
IV 600	54.3	80.6	86.0	89.9	92.9	93.5	94.9	95.7	95.8	96.2	96.4	96.4	96.4	96.4	96.5	96.5
IV 500	54.3	80.7	86.2	90.2	93.4	94.1	95.8	96.7	96.8	97.4	97.6	97.6	97.6	97.7	97.7	97.8
IV 400	54.3	80.9	86.3	90.4	93.8	94.5	96.3	97.4	97.5	98.3	98.5	98.5	98.5	98.6	98.6	98.7
IV 300	54.3	80.8	86.4	90.5	93.9	94.7	96.6	97.8	98.0	98.9	99.1	99.1	99.1	99.3	99.4	99.4
IV 200	54.3	80.8	86.4	90.5	94.0	94.7	96.7	97.9	98.1	99.0	99.3	99.3	99.3	99.6	99.6	99.7
IV 100	54.3	80.8	86.4	90.5	94.0	94.7	96.7	97.9	98.1	99.0	99.4	99.4	99.4	99.7	99.7	99.8
IV 0	54.3	80.8	86.4	90.5	94.0	94.7	96.7	97.9	98.1	99.0	99.4	99.4	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

23049

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

GRANT AFB ILLINOIS/KANTU JL  
STATION NAME

27-79  
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

11  
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

11  
MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	46.1	44.1	43.3	46.9	46.4	46.5	46.7	46.6	46.8	46.5	46.9	46.9	46.9	46.9	47.0	47.0
≥20000	42.8	53.1	54.6	55.5	56.0	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.7
≥18000	42.9	53.3	54.4	55.6	56.4	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.9
≥16000	43.0	53.5	55.0	55.8	56.4	56.5	56.7	56.8	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.1
≥14000	43.6	54.5	56.0	56.9	57.4	57.5	57.8	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.1
≥12000	44.7	56.2	57.5	58.7	59.2	59.3	59.6	59.7	59.7	59.8	59.8	59.8	59.9	59.9	59.9	60.0
≥10000	46.8	58.9	60.6	61.5	62.2	62.3	62.5	62.6	62.7	62.7	62.8	62.8	62.8	62.9	62.9	63.0
≥9000	47.5	60.0	61.7	62.7	63.4	63.5	63.8	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.2
≥8000	49.1	62.6	64.5	65.0	66.2	66.4	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.1
≥7000	50.4	64.8	66.6	68.0	68.7	68.8	69.1	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.6
≥6000	51.7	66.8	68.9	70.2	70.9	71.1	71.4	71.5	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.9
≥5000	53.1	69.4	71.7	73.1	74.0	74.2	74.5	74.7	74.7	74.8	74.8	74.8	74.9	74.9	75.0	75.0
≥4500	53.6	70.5	72.8	74.4	75.3	75.4	75.8	75.9	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.3
≥4000	55.4	73.1	75.6	77.3	78.3	78.5	78.9	79.0	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.4
≥3500	56.5	74.8	77.4	79.2	80.2	80.4	80.6	81.0	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.4
≥3000	57.9	77.0	79.9	81.7	82.9	83.2	83.6	83.8	83.8	84.0	84.0	84.0	84.1	84.1	84.1	84.2
≥2500	58.5	78.8	81.8	83.7	85.0	85.3	85.8	86.0	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.4
≥2000	60.0	80.8	84.0	86.0	87.5	87.7	88.3	88.5	88.5	88.7	88.8	88.8	88.8	88.9	88.9	89.0
≥1800	60.7	81.2	84.5	86.5	88.1	88.3	88.8	89.0	89.1	89.3	89.4	89.4	89.4	89.5	89.5	89.6
≥1500	60.7	82.4	85.7	88.0	89.5	89.8	90.4	90.7	90.8	91.0	91.0	91.0	91.1	91.1	91.2	91.3
≥1200	61.0	83.3	86.8	89.3	91.0	91.3	91.9	92.2	92.3	92.5	92.6	92.6	92.7	92.7	92.7	92.8
≥1000	61.2	84.1	87.8	90.4	92.3	92.6	93.3	93.7	93.8	94.0	94.1	94.1	94.2	94.2	94.3	94.4
≥900	61.2	84.4	88.2	90.8	92.7	93.1	93.8	94.2	94.3	94.5	94.7	94.7	94.8	94.8	94.9	95.0
≥800	61.3	84.7	88.6	91.4	93.4	93.8	94.6	95.1	95.2	95.5	95.6	95.6	95.7	95.7	95.7	95.8
≥700	61.3	84.9	88.8	91.7	93.9	94.3	95.3	95.8	95.9	96.2	96.3	96.4	96.5	96.5	96.5	96.6
≥600	61.4	85.0	89.1	92.1	94.4	94.8	95.9	96.5	96.6	97.0	97.2	97.2	97.3	97.3	97.4	97.5
≥500	61.4	85.1	89.3	92.4	94.8	95.3	96.5	97.3	97.4	97.9	98.0	98.0	98.2	98.2	98.3	98.4
≥400	61.4	85.2	89.4	92.5	95.0	95.6	96.8	97.7	97.8	98.4	98.6	98.6	98.8	98.8	98.9	99.0
≥300	61.4	85.2	89.4	92.6	95.1	95.7	97.1	98.0	98.2	98.9	99.1	99.1	99.3	99.3	99.4	99.5
≥200	61.4	85.2	89.4	92.6	95.2	95.8	97.1	98.1	98.3	99.0	99.2	99.3	99.5	99.5	99.6	99.7
≥100	61.4	85.2	89.4	92.6	95.2	95.8	97.1	98.1	98.3	99.0	99.2	99.3	99.6	99.6	99.7	99.8
0	61.4	85.2	89.4	92.6	95.2	95.8	97.1	98.1	98.3	99.0	99.2	99.3	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

23629

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/KAHTUOL  
STATION NAME

47-70  
YEARS

YEARS

JULY  
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	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	38.3	47.8	49.1	49.3	50.5	50.6	50.0	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.1	51.1
IV 20000	46.4	58.3	60.1	61.1	61.8	61.9	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5
IV 18000	46.7	58.3	60.3	61.5	62.2	62.3	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
IV 16000	40.8	59.1	60.7	61.7	62.4	62.5	62.6	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.2
IV 14000	47.6	60.1	61.9	62.9	63.6	63.7	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3
IV 12000	49.0	62.3	64.1	65.2	66.0	66.1	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.8
IV 10000	51.0	65.5	67.5	68.7	69.5	69.6	69.9	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.3
IV 9000	51.7	66.5	68.5	69.7	70.5	70.6	70.9	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.3
IV 8000	52.9	68.6	70.7	72.0	72.8	72.9	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6
IV 7000	53.9	70.4	72.6	73.7	74.7	74.7	75.2	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.6
IV 6000	54.9	72.0	74.3	75.7	76.6	76.7	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5
IV 5000	56.4	74.4	76.9	78.4	79.3	79.5	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2
IV 4500	57.0	75.3	77.9	79.4	80.4	80.5	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.3
IV 4000	58.6	77.8	80.6	82.1	83.2	83.3	83.7	83.9	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.2
IV 3500	59.4	79.2	82.1	83.8	84.6	85.0	85.4	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.9
IV 3000	60.7	81.4	84.5	86.2	87.4	87.6	87.9	88.1	88.1	88.3	88.3	88.3	88.3	88.4	88.4	88.4
IV 2500	61.5	83.0	86.2	88.0	89.2	89.4	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.4
IV 2000	62.3	84.5	87.9	89.8	91.1	91.3	91.8	92.0	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.4
IV 1800	62.5	84.8	88.2	90.2	91.5	91.7	92.2	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.8
IV 1500	62.8	85.7	89.3	91.3	92.8	93.0	93.6	93.8	93.8	94.1	94.1	94.1	94.1	94.2	94.2	94.2
IV 1200	63.1	86.5	90.2	92.4	93.9	94.7	94.7	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.4	95.4
IV 1000	63.3	87.0	90.9	93.2	94.8	95.1	95.8	96.0	96.1	96.3	96.4	96.4	96.4	96.5	96.5	96.6
IV 900	63.4	87.2	91.2	93.5	95.1	95.5	96.1	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.9	96.9
IV 800	63.4	87.4	91.5	93.9	95.6	95.9	96.6	96.9	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.5
IV 700	63.4	87.5	91.7	94.1	95.9	96.3	97.0	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.9	97.9
IV 600	63.5	87.6	91.8	94.4	96.2	96.6	97.3	97.8	97.9	98.2	98.3	98.3	98.3	98.3	98.4	98.4
IV 500	63.5	87.7	91.9	94.6	96.5	96.9	97.9	98.3	98.3	98.8	98.8	98.9	98.9	98.9	99.0	99.0
IV 400	63.5	87.7	92.0	94.6	96.6	97.0	98.1	98.6	98.6	99.1	99.2	99.2	99.3	99.3	99.3	99.4
IV 300	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.4	99.4	99.5	99.5	99.6	99.6
IV 200	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.5	99.5	99.7	99.7	99.7	99.8
IV 100	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.5	99.5	99.7	99.7	99.7	99.8
IV 0	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 22900

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806 STATION GRANITE APR ILLINOIS/RANDOLPH 30-70 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥ 2000	58.2	55.4	56.3	57.9	53.7	58.8	59.1	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5
IV 18000	46.3	64.3	67.3	69.1	70.1	70.3	70.7	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1
IV 16000	46.5	64.7	67.7	69.5	70.5	70.7	71.1	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5
IV 14000	47.7	65.9	69.0	70.8	71.6	72.0	72.4	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8
IV 12000	48.5	67.9	71.1	73.0	74.1	74.3	74.7	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.2
IV 10500	50.2	70.9	74.3	76.3	77.6	77.8	78.2	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.7
IV 9000	50.7	71.7	75.1	77.2	78.5	78.7	79.1	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.6
IV 8000	51.6	73.4	77.0	79.2	80.4	80.7	81.1	81.3	81.3	81.4	81.5	81.5	81.5	81.6	81.6	81.6
IV 7000	52.5	74.8	78.5	80.7	82.0	82.3	82.7	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2
IV 6000	53.2	76.0	79.6	82.1	83.4	83.7	84.1	84.3	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.7
IV 5000	54.1	77.8	81.6	83.9	85.3	85.6	86.1	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.6	86.6
IV 4500	54.4	78.5	82.4	84.8	86.2	86.5	86.9	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.5
IV 4000	55.9	80.3	84.0	87.0	88.5	88.8	89.3	89.5	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.9
IV 3500	56.6	81.7	85.5	88.3	89.8	90.1	90.6	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.2
IV 3000	57.5	83.3	87.3	90.2	91.8	92.1	92.6	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.7
IV 2500	58.0	84.3	88.7	91.3	93.0	93.2	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.4	94.4
IV 2000	58.4	85.1	89.7	92.4	94.1	94.3	94.9	95.2	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.6
IV 1800	58.5	85.3	89.9	92.6	94.3	94.6	95.1	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.8	95.8
IV 1500	58.7	85.8	90.5	93.2	95.0	95.2	95.9	96.2	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.6
IV 1200	58.9	86.2	90.9	93.7	95.6	95.9	96.6	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.3	97.3
IV 1000	59.0	86.5	91.4	94.3	96.2	96.5	97.2	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	98.0
IV 900	59.0	86.5	91.5	94.4	96.4	96.7	97.4	97.8	97.8	98.0	98.1	98.1	98.1	98.2	98.2	98.2
IV 800	59.0	86.7	91.6	94.5	96.6	96.9	97.7	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.5	98.5
IV 700	59.0	86.8	91.7	94.7	96.7	97.1	97.9	98.3	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.8
IV 600	59.0	86.9	91.8	94.8	97.0	97.3	98.1	98.6	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.1
IV 500	59.1	86.9	91.9	95.0	97.1	97.5	98.4	98.8	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.4
IV 400	59.1	86.9	92.0	95.0	97.2	97.6	98.5	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.6
IV 300	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.8
IV 200	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.9
IV 100	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.9
IV 0	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.2	99.2	99.5	99.6	99.6	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 24034

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CRANFILL AFB ILLINOIS/MONTMIL  
 STATION NAME

36-70  
 YEARS

ALL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.0	53.5	57.2	59.6	61.0	61.2	61.8	62.1	62.1	62.3	62.4	62.4	62.5	62.5	62.6	62.7
≥ 20000	38.6	61.4	62.6	68.2	68.7	70.0	70.7	71.0	71.1	71.3	71.4	71.4	71.5	71.5	71.6	71.6
IV 18000	38.8	61.5	62.8	68.4	70.0	70.3	70.9	71.2	71.3	71.5	71.6	71.6	71.7	71.7	71.8	71.9
IV 16000	38.9	61.8	63.0	68.7	70.2	70.5	71.2	71.5	71.6	71.8	71.9	71.9	72.0	72.0	72.1	72.1
IV 14000	39.5	62.8	67.2	69.9	71.5	71.8	72.5	72.8	72.8	73.1	73.2	73.2	73.3	73.3	73.3	73.4
IV 12000	40.5	64.9	69.0	72.5	74.2	74.9	75.2	75.5	75.6	75.8	75.9	75.9	76.0	76.0	76.1	76.2
IV 10000	42.1	67.9	72.4	75.4	77.2	77.5	78.3	78.6	78.6	78.9	79.0	79.0	79.1	79.1	79.2	79.3
IV 9000	42.3	68.4	73.4	76.4	78.2	78.6	79.3	79.7	79.7	80.0	80.1	80.1	80.2	80.2	80.3	80.3
IV 8000	43.9	70.4	75.8	78.7	80.5	80.9	81.7	82.0	82.1	82.3	82.4	82.4	82.5	82.5	82.6	82.7
IV 7000	43.9	71.4	76.7	80.0	81.8	82.2	83.0	83.4	83.4	83.7	83.8	83.8	83.9	83.9	84.0	84.1
IV 6000	44.4	72.3	77.7	81.0	82.9	83.3	84.2	84.5	84.6	84.8	84.9	85.0	85.1	85.1	85.1	85.2
IV 5000	45.2	73.9	79.5	82.9	84.9	85.3	86.2	86.5	86.6	86.9	87.0	87.0	87.1	87.1	87.2	87.3
IV 4500	45.5	74.8	80.2	83.7	85.7	86.0	86.9	87.3	87.4	87.6	87.7	87.7	87.8	87.9	87.9	88.0
IV 4000	46.5	76.2	82.0	85.6	87.7	88.1	89.0	89.4	89.4	89.7	89.8	89.8	90.0	90.0	90.0	90.1
IV 3500	46.9	77.0	82.9	86.6	88.7	89.0	90.0	90.4	90.4	90.7	90.8	90.8	91.0	91.0	91.0	91.1
IV 3000	47.7	78.3	84.3	88.0	90.2	90.6	91.6	92.0	92.0	92.3	92.4	92.4	92.6	92.6	92.6	92.7
IV 2500	48.1	79.2	85.2	89.1	91.3	91.7	92.6	93.0	93.1	93.4	93.5	93.5	93.7	93.7	93.7	93.8
IV 2000	48.9	80.1	86.2	90.2	92.5	92.9	93.9	94.3	94.4	94.7	94.8	94.8	95.0	95.0	95.0	95.1
IV 1800	48.8	80.3	86.5	90.5	92.8	93.2	94.2	94.7	94.7	95.0	95.2	95.2	95.3	95.3	95.4	95.4
IV 1500	48.8	80.8	87.1	91.2	93.6	94.0	95.0	95.5	95.6	95.9	96.0	96.0	96.2	96.2	96.2	96.3
IV 1200	48.9	81.1	87.5	91.7	94.1	94.6	95.6	96.1	96.2	96.5	96.6	96.6	96.8	96.8	96.8	96.9
IV 1000	49.0	81.4	87.9	92.2	94.6	95.1	96.2	96.7	96.8	97.1	97.2	97.2	97.4	97.4	97.5	97.5
IV 900	49.0	81.5	88.0	92.3	94.9	95.3	96.4	96.9	97.0	97.4	97.5	97.5	97.7	97.7	97.7	97.8
IV 800	49.0	81.6	88.2	92.6	95.1	95.6	96.7	97.2	97.3	97.7	97.8	97.8	98.0	98.0	98.0	98.1
IV 700	49.1	81.7	88.3	92.7	95.3	95.8	97.0	97.5	97.6	98.0	98.1	98.1	98.3	98.3	98.4	98.4
IV 600	49.1	81.8	88.4	92.9	95.5	96.0	97.2	97.8	97.9	98.2	98.4	98.4	98.5	98.6	98.6	98.7
IV 500	49.1	81.9	88.5	93.0	95.7	96.2	97.4	98.0	98.1	98.5	98.7	98.7	98.9	98.9	98.9	99.0
IV 400	49.1	81.9	88.6	93.1	95.8	96.3	97.6	98.3	98.4	98.8	99.0	99.0	99.2	99.2	99.3	99.3
IV 300	49.1	81.9	88.6	93.1	95.9	96.4	97.7	98.4	98.5	99.0	99.2	99.2	99.4	99.4	99.5	99.6
IV 200	49.1	81.9	88.6	93.1	95.9	96.4	97.7	98.4	98.5	99.0	99.3	99.3	99.5	99.5	99.6	99.7
IV 100	49.1	81.9	88.6	93.1	95.9	96.4	97.7	98.4	98.5	99.1	99.3	99.3	99.5	99.5	99.7	99.8
IV 0	49.1	81.9	88.6	93.2	95.9	96.4	97.7	98.4	98.5	99.1	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 24051

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
 STATION

CHICAGO AIR ILLINOIS/RAH:TLUL  
 STATION NAME

36-70  
 YEARS

YEARS

SEP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.1	54.5	57.0	58.4	59.5	59.8	60.2	60.5	60.5	60.7	60.7	60.7	60.8	60.8	60.8	60.9
≥20000	43.0	61.4	64.3	65.9	67.2	67.4	67.9	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.7
IV 18000	43.5	61.5	64.5	66.1	67.4	67.6	68.1	68.4	68.5	68.6	68.7	68.7	68.7	68.7	68.8	68.9
IV 16000	43.6	61.7	64.7	66.3	67.5	67.8	68.2	68.6	68.6	68.8	68.8	68.8	68.9	68.9	68.9	69.0
IV 14000	44.0	62.4	65.4	67.0	68.2	68.5	69.0	69.4	69.4	69.6	69.6	69.6	69.6	69.7	69.7	69.7
IV 12000	44.4	64.0	67.1	68.8	70.1	70.4	70.9	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.7
IV 10000	46.6	66.7	69.9	71.8	73.1	73.4	73.9	74.3	74.3	74.5	74.6	74.6	74.6	74.6	74.7	74.8
IV 9000	46.8	67.4	70.7	72.5	74.0	74.3	74.8	75.1	75.1	75.4	75.4	75.4	75.4	75.5	75.5	75.7
IV 8000	48.0	69.9	73.2	75.2	76.7	76.9	77.5	77.9	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.4
IV 7000	48.7	71.5	75.1	77.1	78.7	79.0	79.5	79.9	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.4
IV 6000	49.4	72.9	76.5	78.6	80.2	80.4	81.0	81.4	81.4	81.6	81.7	81.7	81.7	81.7	81.8	81.9
IV 5000	50.2	74.3	78.1	80.2	81.9	82.2	82.8	83.1	83.2	83.4	83.4	83.4	83.5	83.5	83.6	83.7
IV 4500	50.6	75.1	78.9	81.0	82.7	83.0	83.6	84.0	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.5
IV 4000	51.7	76.5	80.7	83.0	84.7	85.0	85.6	86.0	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.6
IV 3500	52.3	77.9	82.0	84.3	86.0	86.4	87.0	87.4	87.5	87.7	87.7	87.7	87.8	87.8	87.8	87.9
IV 3000	53.0	79.3	83.4	85.9	87.7	88.0	88.7	89.1	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.7
IV 2500	53.5	80.4	84.5	87.1	89.0	89.3	90.0	90.4	90.5	90.7	90.8	90.8	90.9	90.9	90.9	91.0
IV 2000	53.9	81.3	85.7	88.4	90.4	90.8	91.5	91.9	92.0	92.2	92.3	92.3	92.4	92.4	92.4	92.5
IV 1800	54.0	81.6	85.9	88.7	90.7	91.1	91.8	92.2	92.3	92.5	92.6	92.6	92.7	92.7	92.7	92.9
IV 1500	54.4	82.3	86.8	89.6	91.7	92.1	92.9	93.3	93.4	93.7	93.7	93.7	93.8	93.8	93.9	94.0
IV 1200	54.4	83.1	87.7	90.6	92.7	93.1	94.0	94.4	94.5	94.8	94.9	94.9	95.0	95.0	95.0	95.1
IV 1000	54.6	83.6	88.4	91.4	93.8	94.2	95.1	95.6	95.7	96.0	96.0	96.0	96.1	96.1	96.2	96.3
IV 500	54.6	83.8	88.6	91.7	94.1	94.6	95.5	96.0	96.1	96.4	96.5	96.5	96.6	96.6	96.6	96.7
IV 800	54.6	84.0	88.9	92.1	94.6	95.0	96.0	96.6	96.7	97.0	97.0	97.0	97.1	97.1	97.2	97.3
IV 700	54.7	84.1	89.1	92.4	94.9	95.4	96.5	97.0	97.1	97.5	97.5	97.5	97.6	97.7	97.7	97.8
IV 600	54.7	84.3	89.3	92.6	95.3	95.8	97.0	97.6	97.7	98.0	98.0	98.1	98.2	98.2	98.3	98.4
IV 500	54.7	84.3	89.4	92.7	95.5	96.0	97.2	97.9	98.0	98.4	98.6	98.6	98.7	98.7	98.7	98.9
IV 400	54.7	84.4	89.4	92.8	95.6	96.1	97.5	98.2	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
IV 300	54.7	84.4	89.4	92.8	95.6	96.1	97.5	98.2	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
IV 200	54.7	84.4	89.4	92.8	95.6	96.1	97.5	98.2	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
IV 100	54.7	84.4	89.4	92.8	95.6	96.1	97.5	98.2	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
IV 0	54.7	84.4	89.4	92.8	95.6	96.1	97.5	98.2	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS

23512

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14205  
STATION

CHICAGO AFB ILLINOIS/RAH1011

36-70

YEARS

C1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111  
HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING	25.6	21.7	24.2	27.2	28.8	29.7	29.9	29.2	28.3	26.6	24.7	22.8	21.0	19.2	17.5	15.8
IV 20000	37.7	26.4	29.7	32.4	34.4	34.8	35.6	35.9	36.0	36.3	36.4	36.4	36.5	36.5	36.6	36.9
IV 18000	37.8	26.5	29.8	32.7	34.5	34.9	35.7	36.1	36.1	36.4	36.5	36.5	36.7	36.7	36.8	37.0
IV 16000	37.9	26.6	29.9	32.8	34.6	35.1	35.9	36.2	36.2	36.6	36.7	36.8	36.8	36.9	36.9	37.1
IV 14000	38.2	27.1	30.0	33.3	35.3	35.7	36.5	36.9	36.9	37.2	37.4	37.4	37.5	37.5	37.6	37.8
IV 12000	39.0	28.3	32.2	35.0	36.8	37.2	38.1	38.4	38.5	38.8	39.0	39.0	39.1	39.1	39.2	39.4
IV 10000	40.3	30.5	34.4	37.2	39.1	39.5	40.4	40.7	40.8	41.1	41.2	41.2	41.4	41.4	41.5	41.7
IV 9000	40.7	31.2	35.1	38.0	39.9	40.3	41.2	41.6	41.6	41.9	42.0	42.0	42.2	42.2	42.3	42.5
IV 8000	41.8	32.0	37.1	40.1	42.2	42.6	43.5	43.9	43.9	44.3	44.4	44.4	44.6	44.6	44.7	44.9
IV 7000	42.5	34.5	38.6	42.0	44.1	44.6	45.5	45.9	45.9	46.3	46.4	46.4	46.5	46.5	46.6	46.9
IV 6000	43.5	35.9	40.5	43.4	45.5	46.0	46.9	47.3	47.3	47.7	47.8	47.8	48.0	48.0	48.1	48.4
IV 5000	43.9	37.4	42.0	45.4	47.7	48.1	49.1	49.5	49.5	49.9	50.0	50.1	50.2	50.2	50.3	50.5
IV 4500	44.4	38.1	42.9	46.3	48.6	49.1	50.1	50.5	50.6	50.9	51.0	51.0	51.2	51.2	51.3	51.5
IV 4000	45.1	39.7	44.3	48.1	50.5	51.0	52.0	52.4	52.5	52.9	53.0	53.0	53.1	53.1	53.2	53.5
IV 3500	45.9	40.7	45.7	49.4	51.9	52.4	53.5	53.9	53.9	54.3	54.4	54.4	54.5	54.5	54.7	54.9
IV 3000	46.8	42.3	47.4	51.2	53.7	54.3	55.4	55.8	55.8	56.2	56.3	56.3	56.5	56.5	56.6	56.9
IV 2500	47.0	43.5	48.7	52.6	55.3	55.8	56.9	57.4	57.4	57.8	57.9	57.9	58.1	58.1	58.2	58.4
IV 2000	47.7	44.8	50.1	54.2	57.0	57.5	58.7	59.2	59.2	59.6	59.6	59.8	59.9	59.9	60.0	60.2
IV 1800	47.7	45.0	50.5	54.6	57.3	57.9	59.1	59.6	59.7	60.1	60.2	60.2	60.3	60.4	60.5	60.7
IV 1500	48.1	46.0	51.0	55.2	58.0	58.6	59.9	60.3	60.3	60.7	60.7	60.8	60.8	60.8	60.9	61.1
IV 1200	48.3	47.5	52.2	56.5	59.5	60.1	61.4	62.0	62.0	62.4	62.5	62.6	62.6	62.8	62.8	63.1
IV 1000	48.4	47.1	52.9	57.4	60.6	61.2	62.6	63.2	63.3	63.7	63.8	63.8	64.0	64.0	64.1	64.3
IV 900	48.5	47.3	53.2	57.7	60.9	61.6	63.0	63.6	63.7	64.1	64.3	64.3	64.4	64.5	64.6	64.8
IV 800	48.5	47.6	53.6	58.3	61.6	62.3	63.6	64.3	64.6	65.0	65.2	65.2	65.4	65.4	65.5	65.7
IV 700	48.5	47.7	53.8	58.6	62.1	62.8	64.4	65.1	65.2	65.7	65.8	65.9	66.0	66.0	66.1	66.4
IV 600	48.6	47.8	54.0	58.9	62.5	63.2	65.0	65.7	65.9	66.4	66.6	66.6	66.8	66.8	66.9	67.1
IV 500	48.6	48.0	54.2	59.2	62.9	63.6	65.5	66.3	66.4	67.1	67.3	67.3	67.5	67.5	67.6	67.8
IV 400	48.6	48.0	54.3	59.3	63.1	63.9	65.9	66.8	67.0	67.7	68.0	68.0	68.2	68.2	68.3	68.5
IV 300	48.6	48.0	54.3	59.4	63.2	64.0	66.1	67.1	67.3	68.1	68.4	68.4	68.6	68.6	68.7	69.0
IV 200	48.6	48.0	54.3	59.4	63.2	64.0	66.1	67.2	67.4	68.2	68.7	68.7	69.0	69.0	69.0	69.4
IV 100	48.6	48.0	54.3	59.4	63.2	64.0	66.2	67.2	67.4	68.3	68.7	68.7	69.0	69.1	69.3	69.6
IV 0	48.6	48.0	54.3	59.4	63.2	64.0	66.2	67.2	67.4	68.3	68.7	68.7	69.0	69.1	69.3	100.0

TOTAL NUMBER OF OBSERVATIONS

24391

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14606  
STATION

CHARLIE AFB ILLINOIS/RANTOIL  
STATION NAME

36-70  
YEAR

YEAR

11  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

11  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	23.3	37.3	40.1	42.4	44.1	44.4	44.9	45.2	45.2	45.5	45.6	45.6	45.6	45.7	45.7	45.8
≥ 20000	25.9	42.4	42.8	48.3	50.2	50.5	51.2	51.5	51.6	51.8	51.9	51.7	52.0	52.0	52.0	52.2
IV 18000	25.9	42.5	45.8	48.4	50.3	50.7	51.3	51.7	51.7	52.0	52.1	52.1	52.1	52.2	52.2	52.3
IV 16000	26.0	42.7	47.9	48.6	50.5	50.9	51.5	51.9	51.9	52.2	52.2	52.2	52.2	52.3	52.4	52.5
IV 14000	26.3	43.3	48.0	49.3	51.3	51.6	52.3	52.7	52.7	52.9	53.0	53.0	53.1	53.1	53.2	53.3
IV 12000	27.2	44.9	48.4	51.1	53.1	53.5	54.2	54.5	54.6	54.8	54.9	54.9	54.9	55.0	55.0	55.2
IV 10000	28.5	47.1	50.8	53.8	55.6	55.9	56.8	57.1	57.2	57.4	57.5	57.5	57.6	57.6	57.7	57.8
IV 9000	28.5	47.8	51.5	54.4	56.5	56.8	57.6	58.0	58.0	58.3	58.4	58.4	58.5	58.5	58.5	58.7
IV 8000	29.8	49.3	53.2	56.2	58.2	58.7	59.5	59.9	59.9	60.3	60.3	60.3	60.4	60.4	60.5	60.6
IV 7000	30.3	50.5	54.5	57.7	59.9	60.3	61.1	61.5	61.5	61.8	61.9	61.9	62.0	62.0	62.1	62.2
IV 6000	30.9	51.6	55.0	59.1	61.4	61.8	62.6	63.0	63.1	63.4	63.5	63.5	63.6	63.6	63.7	63.8
IV 5000	31.8	53.4	57.6	61.7	63.7	64.2	65.1	65.5	65.6	65.9	66.0	66.0	66.1	66.1	66.2	66.3
IV 4500	32.3	54.3	58.9	62.4	64.9	65.4	66.4	66.8	66.8	67.2	67.3	67.3	67.4	67.4	67.4	67.6
IV 4000	33.1	56.0	60.7	64.9	67.1	67.6	68.6	69.0	69.1	69.5	69.6	69.6	69.7	69.7	69.7	69.8
IV 3500	34.1	57.8	62.8	66.6	69.3	69.9	70.9	71.4	71.4	71.8	71.9	71.9	72.0	72.0	72.1	72.3
IV 3000	35.2	60.1	63.4	69.4	72.2	72.8	73.9	74.6	74.4	74.8	75.0	75.0	75.1	75.1	75.1	75.3
IV 2500	36.4	62.4	66.0	72.1	75.1	75.7	76.9	77.4	77.5	77.9	78.0	78.0	78.1	78.1	78.2	78.4
IV 2000	37.7	65.0	71.0	75.4	78.5	79.2	80.5	81.0	81.1	81.5	81.7	81.7	81.8	81.8	81.8	82.0
IV 1800	38.0	65.7	71.7	76.2	79.4	80.1	81.4	82.0	82.0	82.5	82.6	82.7	82.7	82.8	82.8	83.0
IV 1500	38.4	67.0	73.3	78.0	81.1	81.7	83.6	84.2	84.3	84.8	85.0	85.0	85.1	85.1	85.2	85.3
IV 1200	38.7	68.2	74.8	79.9	83.4	84.3	85.9	86.5	86.6	87.2	87.4	87.4	87.5	87.5	87.6	87.7
IV 1000	38.9	69.1	76.0	81.4	85.3	86.2	88.0	88.5	88.6	89.2	89.4	89.4	89.5	89.5	89.6	89.7
IV 900	38.9	69.3	76.4	81.9	85.9	86.8	88.7	89.3	89.6	90.4	90.6	90.6	90.8	90.8	90.8	91.0
IV 800	39.0	69.6	76.9	82.5	86.8	87.7	89.7	90.5	90.7	91.5	91.8	91.8	91.9	91.9	92.0	92.2
IV 700	39.0	69.8	77.2	83.0	87.4	88.4	90.5	91.5	91.6	92.5	92.8	92.8	93.0	93.0	93.1	93.2
IV 600	39.0	70.0	77.5	83.5	88.1	89.2	91.4	92.6	92.7	93.7	94.0	94.1	94.2	94.2	94.5	94.5
IV 500	39.1	70.1	77.7	83.9	88.7	89.8	91.3	93.0	93.8	94.9	95.3	95.4	95.6	95.6	95.7	95.8
IV 400	39.1	70.2	77.8	84.1	89.1	90.3	92.9	94.5	94.7	96.0	96.5	96.5	96.8	96.8	96.9	97.1
IV 300	39.1	70.2	77.9	84.2	89.2	90.5	93.3	95.0	95.3	96.8	97.4	97.5	97.8	97.8	98.0	98.2
IV 200	39.1	70.2	77.9	84.2	89.3	90.6	93.5	95.2	95.5	97.1	97.9	98.0	98.4	98.5	98.7	99.0
IV 100	39.1	70.2	77.9	84.2	89.3	90.6	93.5	95.3	95.6	97.2	98.0	98.1	98.6	98.7	99.0	99.4
IV 0	39.1	70.2	77.9	84.2	89.3	90.6	93.5	95.3	95.6	97.2	98.0	98.1	98.7	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

23574

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLES AFB ILLINOIS/RANTHOL  
STATION NAME

26-70  
YEARS

LEC  
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	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	18.5	30.0	32.5	35.0	37.2	37.7	38.5	38.8	38.9	39.2	39.2	39.2	39.3	39.3	39.4	39.6
IV 20000	20.4	34.0	37.1	40.1	42.8	43.4	44.4	44.7	44.8	45.1	45.2	45.2	45.4	45.4	45.4	45.6
IV 18000	20.4	34.1	37.3	40.4	43.0	43.5	44.5	44.9	44.9	45.3	45.4	45.4	45.5	45.5	45.5	45.8
IV 16000	20.5	34.2	37.4	40.4	43.1	43.7	44.6	45.0	45.1	45.4	45.5	45.5	45.6	45.6	45.7	45.9
IV 14000	20.8	35.0	38.3	41.3	44.1	44.7	45.7	46.1	46.2	46.6	46.7	46.7	46.8	46.8	46.8	47.0
IV 12000	21.5	36.2	39.5	42.7	45.6	46.3	47.4	47.8	47.8	48.2	48.3	48.3	48.4	48.4	48.5	48.7
IV 10000	22.4	38.1	41.0	45.1	48.2	48.9	50.0	50.5	50.5	50.9	51.0	51.0	51.1	51.1	51.2	51.4
IV 9000	22.9	38.8	42.5	46.0	49.1	49.9	51.0	51.5	51.5	51.9	52.0	52.1	52.2	52.2	52.2	52.4
IV 8000	23.5	40.2	44.1	47.7	51.1	51.8	53.1	53.5	53.6	54.0	54.2	54.2	54.3	54.3	54.3	54.6
IV 7000	24.1	41.5	45.4	49.3	52.8	53.6	54.9	55.4	55.4	55.9	56.0	56.0	56.1	56.1	56.2	56.4
IV 6000	24.5	42.3	46.3	50.3	54.1	55.0	56.3	56.9	56.9	57.4	57.5	57.5	57.7	57.7	57.7	57.9
IV 5000	25.1	43.5	47.8	52.7	55.7	56.6	58.0	58.5	58.5	59.1	59.3	59.3	59.4	59.4	59.4	59.7
IV 4500	25.3	44.1	48.5	52.7	56.5	57.4	58.8	59.4	59.5	60.0	60.2	60.2	60.3	60.3	60.4	60.6
IV 4000	25.7	45.0	49.6	54.0	57.9	58.9	60.4	61.0	61.1	61.6	61.8	61.7	61.9	61.9	62.0	62.2
IV 3500	26.0	45.9	50.6	55.1	59.2	60.2	61.7	62.4	62.4	63.0	63.2	63.2	63.3	63.3	63.4	63.6
IV 3000	26.6	47.2	52.1	56.9	61.2	62.2	63.8	64.5	64.5	65.2	65.3	65.4	65.5	65.5	65.5	65.7
IV 2500	27.3	48.7	53.9	58.8	63.2	64.4	66.1	66.9	67.0	67.6	67.8	67.8	67.9	67.9	68.0	68.2
IV 2000	28.2	51.0	56.0	61.9	66.6	67.8	69.7	70.6	70.7	71.4	71.6	71.6	71.8	71.8	71.8	72.1
IV 1800	28.4	51.8	57.6	62.5	67.9	69.0	71.0	71.9	72.0	72.8	73.0	73.0	73.1	73.1	73.2	73.4
IV 1500	29.0	53.0	59.6	65.3	70.6	71.9	74.1	75.1	75.3	76.1	76.3	76.4	76.5	76.5	76.6	76.8
IV 1200	29.5	55.4	61.8	67.8	73.4	74.8	77.3	78.5	78.7	79.6	79.9	79.9	80.1	80.1	80.2	80.4
IV 1000	29.7	56.3	63.0	69.5	75.4	76.9	79.8	81.1	81.3	82.4	82.7	82.8	83.0	83.0	83.1	83.3
IV 900	29.7	56.0	63.4	70.0	76.1	77.7	80.7	82.1	82.3	83.4	83.8	83.9	84.1	84.1	84.2	84.4
IV 800	29.8	57.0	64.0	70.8	77.2	78.8	82.0	83.6	83.8	85.1	85.5	85.6	85.8	85.8	85.9	86.2
IV 700	29.8	57.2	64.4	71.4	78.0	79.7	83.0	84.8	85.1	86.5	87.0	87.0	87.3	87.3	87.4	87.7
IV 600	29.9	57.5	64.7	71.9	78.7	80.5	84.1	86.1	86.4	88.0	88.6	88.6	89.0	89.0	89.1	89.4
IV 500	29.9	57.0	65.0	72.4	79.4	81.4	85.3	87.5	87.9	89.7	90.4	90.5	90.9	90.9	91.1	91.4
IV 400	29.9	57.7	65.1	72.6	79.9	81.9	86.1	88.6	89.1	91.3	92.1	92.2	92.8	92.9	93.1	93.7
IV 300	29.9	57.7	65.2	72.7	80.2	82.3	86.6	89.3	89.9	92.4	93.6	93.7	94.6	94.6	94.9	95.2
IV 200	29.9	57.7	65.2	72.7	80.3	82.4	86.9	89.8	90.4	93.4	95.0	95.2	96.0	96.2	96.6	97.0
IV 100	29.9	57.7	65.2	72.7	80.3	82.4	86.9	89.8	90.4	93.4	95.0	95.2	96.0	96.2	96.6	97.0
IV 0	29.9	57.7	65.2	72.7	80.3	82.4	86.9	89.8	90.4	93.4	95.0	95.2	96.0	96.2	96.6	97.0

TOTAL NUMBER OF OBSERVATIONS 24265

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
STATION

CHAMPAIGN ILLINOIS/INTL  
STATION NAME

37-64  
YEARS

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	17.4	33.1	30.1	38.6	40.9	41.3	42.5	42.7	42.7	43.2	43.4	43.4	43.5	43.5	43.0	43.7
≥ 20000	16.2	35.0	42.4	41.4	44.5	45.0	46.4	46.4	46.6	47.1	47.3	47.3	47.5	47.5	47.5	47.9
IV 18000	10.9	35.5	38.9	42.1	44.9	45.5	46.8	47.1	47.1	47.6	47.8	47.3	48.0	48.0	48.1	48.4
IV 16000	14.5	35.6	39.0	42.3	45.2	45.7	47.1	47.3	47.3	47.8	48.1	48.1	48.2	48.2	48.3	48.6
IV 14000	16.6	36.0	39.7	43.1	46.3	47.0	48.3	48.6	48.6	49.1	49.4	49.4	49.5	49.5	49.6	49.9
IV 12000	18.3	36.4	40.3	43.7	46.7	47.7	49.0	49.3	49.3	49.8	50.1	50.1	50.3	50.3	50.3	50.6
IV 10000	15.4	37.7	41.7	45.3	48.8	49.3	50.6	50.9	51.0	51.5	51.7	51.7	51.9	51.9	51.9	52.3
IV 9000	19.5	38.0	42.2	46.0	49.2	49.9	51.3	51.6	51.6	52.1	52.3	52.3	52.5	52.5	52.6	52.9
IV 8000	20.0	39.5	43.6	47.7	51.1	51.9	53.2	53.6	53.7	54.2	54.4	54.4	54.6	54.6	54.7	55.0
IV 7000	20.2	40.3	44.5	49.7	52.4	53.2	54.7	55.1	55.2	55.7	55.9	55.9	56.2	56.2	56.2	56.5
IV 6000	20.6	40.8	45.1	49.6	53.1	54.2	55.0	56.1	56.2	56.7	56.9	56.9	57.1	57.1	57.2	57.5
IV 5000	20.9	42.0	46.3	51.0	54.6	55.7	57.2	57.7	57.7	58.2	58.5	58.5	58.7	58.7	58.8	59.1
IV 4500	21.0	42.7	46.6	51.4	55.1	56.2	57.7	58.2	58.2	58.8	59.0	59.0	59.2	59.2	59.3	59.6
IV 4000	21.3	43.3	47.7	52.8	56.6	57.8	59.3	59.7	59.8	60.4	60.6	60.6	60.9	60.9	61.0	61.3
IV 3500	21.6	44.1	48.7	53.8	57.7	58.9	60.4	60.9	60.9	61.6	61.8	61.8	62.1	62.1	62.1	62.4
IV 3000	21.9	45.3	50.3	55.7	59.6	60.8	62.3	62.8	62.9	63.6	63.9	63.9	64.1	64.1	64.2	64.5
IV 2500	22.2	47.2	52.3	58.1	62.3	63.6	65.2	65.7	65.8	66.6	66.8	66.8	67.1	67.1	67.1	67.5
IV 2000	22.8	49.2	54.7	60.6	65.1	66.5	68.2	68.8	68.9	69.7	70.0	70.0	70.2	70.2	70.3	70.6
IV 1800	22.9	49.5	55.2	61.2	65.9	67.2	69.1	69.7	69.8	70.7	71.0	71.0	71.2	71.2	71.3	71.6
IV 1500	23.1	51.3	57.4	63.7	68.9	70.5	72.6	73.4	73.4	74.5	74.8	74.8	75.1	75.1	75.1	75.4
IV 1200	23.2	52.4	59.0	65.6	71.2	73.0	75.6	76.4	76.5	77.7	78.0	78.0	78.3	78.3	78.4	78.7
IV 1000	23.3	53.2	60.1	67.5	73.6	75.4	78.4	79.4	79.5	80.9	81.2	81.2	81.5	81.5	81.6	81.9
IV 900	23.6	53.7	60.6	68.2	74.5	76.3	79.3	80.5	80.6	82.0	82.3	82.3	82.6	82.6	82.7	83.0
IV 800	23.7	54.2	61.1	68.9	75.4	77.4	80.8	81.9	82.0	83.5	83.9	83.9	84.2	84.2	84.3	84.7
IV 700	23.7	54.3	61.6	69.5	76.5	78.5	82.1	83.4	83.5	85.1	85.5	85.5	85.8	85.9	86.0	86.3
IV 600	23.7	54.5	61.8	70.0	77.5	79.6	83.5	85.0	85.0	86.6	87.2	87.3	87.8	87.8	87.9	88.2
IV 500	23.7	54.5	61.8	70.1	78.3	80.4	84.7	86.3	86.4	88.3	88.9	89.0	89.5	89.5	89.7	90.0
IV 400	23.7	54.5	61.9	70.3	78.6	80.9	85.3	87.2	87.2	89.7	90.5	90.6	91.3	91.3	91.5	91.8
IV 300	23.7	54.5	62.0	70.5	79.0	81.4	85.2	88.3	88.5	91.2	92.2	92.2	93.0	93.0	93.2	93.5
IV 200	23.7	54.5	62.0	70.6	79.1	81.6	86.5	88.9	89.1	92.2	93.5	93.5	94.7	94.8	95.1	95.5
IV 100	23.7	54.5	62.0	70.6	79.1	81.6	86.5	89.0	89.3	92.5	93.9	94.1	95.8	96.0	96.7	97.4
IV 0	23.7	54.5	62.0	70.6	79.1	81.6	84.5	89.0	89.3	92.5	93.9	94.1	96.0	96.1	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2541

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

148175  
 STATION

CHARLIE AFB ILLINOIS/AMTIL

37-63

YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0300  
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	15.4	30.5	34.0	36.0	40.2	40.3	41.3	41.5	41.5	41.9	42.1	42.1	42.3	42.4	42.5	42.7
W 20000	16.5	33.5	37.4	41.0	44.6	44.7	45.9	46.7	46.2	46.6	46.8	46.8	47.0	47.0	47.3	47.6
W 18000	16.7	33.7	37.6	41.2	44.8	45.0	46.1	46.4	46.4	46.8	47.0	47.0	47.2	47.2	47.5	47.8
W 16000	16.7	33.7	37.6	41.2	44.9	45.0	46.2	46.5	46.5	46.9	47.0	47.0	47.3	47.3	47.6	47.8
W 14000	16.9	34.3	38.3	42.1	45.4	46.0	47.2	47.4	47.4	47.8	48.0	48.0	48.3	48.3	48.6	48.8
W 12000	17.3	35.1	39.2	43.2	47.0	47.3	48.5	48.8	48.8	49.2	49.4	49.4	49.6	49.7	49.9	50.2
W 10000	18.0	36.4	40.7	44.9	49.0	49.3	50.5	50.8	50.8	51.2	51.4	51.4	51.6	51.7	51.9	52.2
W 9000	18.0	36.6	40.9	45.2	49.4	49.7	50.9	51.2	51.2	51.6	51.8	51.8	52.0	52.0	52.3	52.6
W 8000	18.3	37.5	41.9	46.3	50.5	50.8	52.1	52.4	52.4	52.8	53.0	53.0	53.3	53.3	53.5	53.8
W 7000	18.4	38.4	43.0	47.4	52.0	52.4	53.6	53.9	53.9	54.4	54.6	54.6	54.8	54.8	55.1	55.4
W 6000	18.6	38.9	43.6	48.3	52.8	53.3	54.6	55.0	55.0	55.5	55.7	55.7	55.9	55.9	56.2	56.5
W 5000	19.1	40.1	45.1	50.0	54.5	55.1	56.4	56.8	56.8	57.2	57.4	57.4	57.7	57.7	57.9	58.2
W 4500	19.1	40.4	45.5	50.4	55.1	55.7	56.9	57.3	57.3	57.8	58.0	58.0	58.2	58.3	58.5	58.8
W 4000	19.2	40.7	46.1	51.2	56.2	56.8	58.3	58.7	58.7	59.1	59.3	59.3	59.6	59.6	59.9	60.2
W 3500	19.8	41.7	47.2	52.3	57.3	58.1	59.6	60.0	60.0	60.5	60.7	60.7	61.0	61.0	61.3	61.6
W 3000	20.2	42.8	48.6	54.0	59.4	60.0	61.5	62.0	62.0	62.5	62.7	62.7	63.0	63.1	63.3	63.6
W 2500	20.5	43.7	50.0	55.9	61.2	61.9	63.6	64.2	64.2	64.7	64.9	65.0	65.2	65.3	65.5	65.8
W 2000	20.9	44.9	51.0	57.5	63.8	64.6	66.7	67.3	67.3	67.9	68.1	68.2	68.5	68.5	68.8	69.1
W 1800	20.9	45.5	52.2	58.2	64.8	65.6	67.8	68.4	68.4	69.1	69.4	69.5	69.7	69.8	70.0	70.3
W 1500	21.1	47.2	54.5	61.1	68.0	68.7	71.1	71.8	71.8	72.7	73.0	73.1	73.4	73.4	73.6	73.9
W 1200	21.4	48.4	56.3	63.5	70.8	71.5	74.3	75.1	75.1	75.2	76.4	76.5	76.8	76.8	77.1	77.4
W 1000	21.5	49.5	57.6	65.6	73.4	74.1	77.3	78.2	78.2	79.3	79.7	79.8	80.2	80.2	80.5	80.8
W 900	21.6	49.5	58.2	66.3	74.2	75.1	78.4	79.4	79.4	80.5	80.9	81.1	81.4	81.5	81.8	82.1
W 800	21.7	50.0	58.6	66.9	75.3	76.3	80.1	81.3	81.3	82.5	82.9	83.2	83.5	83.5	83.9	84.1
W 700	21.7	50.4	59.0	67.6	76.4	77.6	81.7	83.1	83.2	84.5	84.9	85.0	85.4	85.5	85.8	86.1
W 600	21.8	50.4	59.4	68.0	77.3	78.6	83.0	84.5	84.7	86.1	86.5	86.6	87.1	87.2	87.5	87.8
W 500	21.8	50.5	59.4	68.2	77.9	79.3	84.1	86.0	86.2	87.6	88.1	88.2	88.8	88.8	89.2	89.5
W 400	21.8	50.6	59.6	68.5	78.2	79.7	85.0	87.0	87.3	89.2	90.0	90.2	90.8	90.9	91.3	91.6
W 300	21.8	50.6	59.7	68.6	78.4	80.0	85.4	87.7	88.0	90.1	91.2	91.3	92.0	92.0	92.6	92.9
W 200	21.8	50.6	59.7	68.6	78.5	80.1	85.6	88.2	88.6	91.1	92.3	92.5	93.7	93.8	94.7	95.0
W 100	21.8	50.6	59.7	68.6	78.5	80.1	85.6	88.2	88.6	91.3	92.9	93.2	94.6	94.8	96.0	96.7
W 0	21.8	50.6	59.7	68.6	78.5	80.1	85.6	88.3	88.7	91.4	93.1	93.3	94.8	95.1	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2541

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHAMITE AFB ILLINOIS/RAJTDJL  
STATION NAME

37-70  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0604-0800  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5/16	≥.5	≥0
NO CEILING	14.6	27.1	30.6	33.0	35.3	38.4	36.6	37.2	37.2	37.7	37.9	37.9	38.0	38.0	38.1	38.2
IV 20000	15.9	30.4	34.8	37.8	40.6	41.3	42.2	42.9	43.0	43.6	43.9	43.9	44.0	44.1	44.2	44.4
IV 18000	16.0	30.0	35.0	38.0	40.5	41.5	42.5	43.2	43.3	43.9	44.2	44.2	44.3	44.4	44.3	44.7
IV 16000	16.0	30.7	35.2	38.2	41.1	41.8	42.9	43.6	43.7	44.3	44.0	44.6	44.7	44.8	44.9	45.1
IV 14000	16.4	31.5	36.1	39.2	42.2	42.9	44.0	44.7	44.8	45.4	45.7	45.7	45.8	45.9	46.0	46.1
IV 12000	16.9	32.8	37.5	40.8	43.9	44.6	45.6	46.5	46.6	47.3	47.6	47.6	47.7	47.7	47.9	48.1
IV 10000	17.7	34.4	39.3	42.8	46.0	46.8	48.1	48.8	48.9	49.6	49.8	49.9	50.0	50.0	50.2	50.3
IV 9000	17.9	34.8	39.9	43.5	46.5	47.6	48.8	49.0	49.7	50.3	50.6	50.6	50.7	50.8	51.0	51.1
IV 8000	18.2	36.0	41.2	45.1	48.5	49.3	50.7	51.5	51.6	52.2	52.5	52.5	52.6	52.7	52.9	53.0
IV 7000	18.5	37.1	42.4	46.4	50.0	51.0	52.4	53.7	53.4	54.0	54.3	54.3	54.4	54.5	54.7	54.8
IV 6000	18.9	38.0	43.4	47.5	51.3	52.3	53.8	54.7	54.8	55.5	55.8	55.8	55.9	56.0	56.2	56.3
IV 5000	19.2	38.7	44.3	48.7	52.4	53.6	55.1	55.1	56.2	56.9	57.2	57.3	57.4	57.4	57.6	57.7
IV 4500	19.3	38.8	44.4	48.9	52.7	53.8	55.4	56.4	56.5	57.2	57.5	57.5	57.6	57.7	57.9	58.0
IV 4000	19.4	39.5	45.3	50.0	53.9	55.1	56.8	58.0	58.1	58.9	59.2	59.2	59.3	59.3	59.5	59.6
IV 3500	19.7	40.4	46.3	51.1	55.2	56.3	58.1	59.2	59.3	60.1	60.4	60.3	60.6	60.6	60.8	60.9
IV 3000	20.1	41.5	48.0	52.9	57.3	58.5	60.3	61.6	61.7	62.6	62.9	62.9	63.0	63.1	63.3	63.4
IV 2500	20.5	42.9	49.1	54.2	58.6	59.9	61.8	63.1	63.2	64.2	64.5	64.5	64.6	64.6	64.8	65.0
IV 2000	21.0	44.4	51.1	56.7	61.8	63.1	65.2	66.7	66.8	67.7	68.1	68.1	68.2	68.3	68.5	68.7
IV 1800	21.1	44.8	51.5	57.2	62.5	63.7	65.9	67.4	67.5	68.6	68.9	69.0	69.1	69.1	69.4	69.5
IV 1500	21.4	46.2	53.2	59.3	65.0	66.2	68.7	70.3	70.4	71.6	72.0	72.0	72.1	72.2	72.4	72.6
IV 1200	21.9	47.7	55.2	61.6	67.6	68.9	71.6	73.5	73.6	74.9	75.2	75.3	75.4	75.4	75.7	75.8
IV 1000	22.0	48.7	56.6	63.2	69.9	71.2	74.2	76.4	76.6	78.0	78.5	78.5	78.7	78.8	79.1	79.3
IV 900	22.2	49.3	57.2	64.0	70.9	72.3	75.5	77.8	78.0	79.5	80.0	80.1	80.3	80.4	80.6	80.9
IV 800	22.2	49.8	57.8	64.9	72.1	73.5	77.0	79.4	79.7	81.5	82.1	82.1	82.4	82.4	82.7	82.9
IV 700	22.2	50.0	58.3	65.5	73.1	74.6	78.3	81.2	81.5	83.4	84.1	84.2	84.5	84.5	84.8	85.0
IV 600	22.2	50.1	58.4	65.8	73.7	75.2	79.4	82.6	82.9	85.2	86.0	86.0	86.0	86.3	86.4	86.9
IV 500	22.2	50.2	58.6	66.2	74.3	75.9	80.6	84.1	84.5	87.3	88.2	88.2	88.5	88.6	88.9	89.1
IV 400	22.2	50.3	58.8	66.5	74.9	76.6	81.4	85.3	85.7	88.9	90.1	90.2	90.7	90.8	91.1	91.3
IV 300	22.2	50.3	58.8	66.6	75.0	76.7	81.9	86.1	86.6	90.2	91.7	91.7	92.3	92.5	92.9	93.2
IV 200	22.2	50.3	58.8	66.6	75.0	76.7	82.0	86.2	86.8	90.7	92.7	92.7	93.9	94.1	94.9	95.4
IV 100	22.2	50.3	58.9	66.7	75.1	76.8	82.1	86.4	87.0	90.9	93.1	93.3	94.6	95.0	96.1	97.3
IV 0	22.2	50.3	58.9	66.7	75.1	76.8	82.1	86.4	87.0	90.9	93.1	93.3	94.6	95.0	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 3023

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHAMPAIGN AFB ILLINOIS/RANDOLPH  
STATION NAME

37-70  
YEARS

1  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS UT-5:11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	16.1	28.4	31.2	32.5	34.4	35.1	35.6	36.1	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.6
IV 20000	17.7	32.9	36.6	38.6	40.4	41.2	41.6	42.3	42.5	42.7	42.6	42.8	42.8	42.8	42.8	43.0
IV 18000	17.7	33.1	37.0	38.8	40.6	41.4	42.1	42.6	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.3
IV 16000	17.7	33.3	37.0	39.1	40.9	41.7	42.4	42.9	43.1	43.2	43.4	43.4	43.4	43.4	43.4	43.6
IV 14000	17.9	34.1	38.0	40.3	42.2	43.1	43.8	44.3	44.6	44.7	44.8	44.9	44.9	44.9	44.9	45.0
IV 12000	18.7	35.6	39.7	42.2	44.2	45.1	45.9	46.4	46.6	46.8	46.9	47.0	47.0	47.0	47.0	47.1
IV 10000	19.8	37.8	42.2	44.7	46.6	47.8	48.5	49.1	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.9
IV 9000	20.1	38.3	42.8	45.5	47.7	48.6	49.4	50.0	50.3	50.4	50.5	50.5	50.5	50.5	50.6	50.8
IV 8000	20.6	39.4	44.1	47.8	49.9	50.3	51.2	51.8	52.1	52.3	52.4	52.4	52.4	52.4	52.4	52.7
IV 7000	20.9	40.4	45.3	48.3	50.9	52.0	52.9	53.7	54.0	54.2	54.3	54.4	54.4	54.4	54.4	54.6
IV 6000	21.2	41.2	46.3	49.5	52.2	53.4	54.4	55.2	55.5	55.7	55.8	55.9	55.9	55.9	55.9	56.0
IV 5000	21.4	42.0	47.3	50.7	53.6	54.8	55.9	56.8	57.2	57.4	57.5	57.6	57.6	57.6	57.6	57.7
IV 4500	21.5	42.2	47.6	51.0	54.0	55.3	56.4	57.3	57.6	57.8	57.9	58.0	58.0	58.0	58.0	58.2
IV 4000	21.6	42.3	48.4	51.9	55.0	56.3	57.5	58.4	58.7	59.1	59.2	59.3	59.3	59.3	59.3	59.5
IV 3500	22.0	43.7	49.4	53.1	56.3	57.6	58.8	59.7	60.1	60.4	60.5	60.6	60.6	60.6	60.6	60.8
IV 3000	22.3	44.7	50.4	54.3	57.7	59.1	60.4	61.5	61.8	62.2	62.3	62.4	62.4	62.4	62.4	62.6
IV 2500	22.7	45.9	51.6	55.6	59.3	60.8	62.2	63.3	63.6	64.0	64.2	64.3	64.3	64.3	64.3	64.5
IV 2000	23.3	47.5	53.9	58.2	62.2	63.8	65.3	66.7	67.1	67.5	67.7	67.8	67.8	67.8	67.8	68.0
IV 1800	23.4	48.4	54.3	58.9	63.0	64.7	66.4	67.8	68.2	68.7	68.9	69.0	69.0	69.0	69.0	69.2
IV 1500	23.6	49.5	55.3	60.9	65.4	67.2	69.3	70.9	71.3	72.0	72.2	72.3	72.3	72.3	72.3	72.5
IV 1200	24.1	51.2	56.0	62.8	68.1	70.1	72.3	74.1	74.5	75.4	75.6	75.7	75.8	75.8	75.8	76.0
IV 1000	24.1	52.5	59.7	64.7	70.6	72.7	75.2	77.1	77.5	78.6	79.0	79.1	79.2	79.3	79.3	79.5
IV 900	24.1	52.9	60.2	65.3	71.3	73.7	76.4	78.5	79.0	80.3	80.7	80.8	80.9	80.9	80.9	81.1
IV 800	24.1	53.3	60.6	66.1	72.3	74.7	77.8	80.0	80.6	82.0	82.6	82.7	82.8	82.9	82.9	83.1
IV 700	24.1	53.5	61.1	66.8	73.3	75.7	78.9	81.0	82.3	83.8	84.5	84.7	84.8	84.9	84.9	85.1
IV 600	24.1	53.6	61.4	67.2	74.0	76.5	80.1	82.9	83.6	85.4	86.3	86.4	86.6	86.6	86.7	86.9
IV 500	24.2	53.7	61.6	67.5	74.5	77.1	81.0	84.3	85.0	87.3	88.4	88.6	89.0	89.1	89.1	89.3
IV 400	24.2	53.8	61.6	67.6	74.7	77.5	82.0	85.7	86.6	89.4	90.6	91.0	91.5	91.6	91.6	91.9
IV 300	24.2	53.8	61.7	67.6	74.8	77.6	82.2	86.3	87.4	90.8	92.8	93.1	93.9	94.0	94.1	94.7
IV 200	24.2	53.8	61.7	67.6	74.8	77.6	82.2	86.3	87.5	91.2	93.8	94.1	95.6	95.8	96.1	96.9
IV 100	24.2	53.8	61.7	67.6	74.8	77.6	82.3	86.4	87.6	91.3	93.9	94.2	95.9	96.1	96.8	98.2
IV 0	24.2	53.8	61.7	67.6	74.8	77.6	82.3	86.4	87.6	91.3	93.9	94.2	95.9	96.2	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3100

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14206  
STATION

CHARLES AFB ILLINOIS/KANTWEL  
STATION NAME

37-70  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	19.5	20.5	32.4	33.9	35.0	35.2	35.4	35.4	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 20000	43.1	37.4	39.0	41.6	42.9	47.1	43.3	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 18000	23.1	37.5	40.0	41.7	43.0	43.3	43.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 16000	23.2	37.8	40.2	42.0	43.3	43.6	43.9	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 14000	23.4	38.0	41.2	43.1	44.4	44.7	44.9	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 12000	24.1	40.2	43.0	45.0	46.5	46.8	47.0	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 10000	25.7	42.7	45.6	47.6	49.1	49.4	49.7	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	26.2	43.4	46.3	48.4	50.0	50.3	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 8000	26.9	44.0	47.9	50.1	51.9	52.2	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 7000	26.9	45.3	48.7	50.9	52.9	53.2	53.6	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 6000	27.2	45.1	49.4	51.7	53.6	54.2	54.6	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 5000	27.6	47.1	50.6	53.0	55.1	55.5	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 4500	27.7	47.3	51.0	53.5	55.7	56.1	56.5	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 4000	27.9	48.2	51.3	54.5	56.8	57.3	57.7	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3500	28.2	48.8	52.6	55.4	57.8	58.3	58.9	59.1	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 3000	28.7	50.5	54.5	57.4	60.3	60.9	61.5	61.8	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2500	29.3	52.3	56.4	59.9	63.1	63.7	64.4	64.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2000	30.6	54.7	59.3	62.9	66.2	66.9	67.7	68.1	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 1800	30.3	55.2	60.0	63.6	67.1	67.8	68.6	69.1	69.3	69.8	69.9	69.9	69.9	69.9	69.9	69.9
IV 1500	31.3	57.5	62.7	66.7	70.6	71.5	72.4	73.0	73.2	73.9	74.0	74.0	74.1	74.1	74.1	74.1
IV 1200	31.7	59.2	64.8	69.4	73.6	74.7	75.9	76.8	77.0	77.8	77.9	77.9	78.0	78.0	78.0	78.0
IV 1000	31.7	60.4	66.3	71.5	75.3	77.3	78.8	79.9	80.1	81.0	81.3	81.3	81.4	81.4	81.4	81.4
IV 900	31.8	60.9	67.0	72.5	77.5	78.8	80.3	81.3	81.6	82.6	82.9	82.9	83.0	83.0	83.0	83.0
IV 800	31.8	61.2	67.4	73.2	78.6	80.1	81.8	83.2	83.6	84.8	85.2	85.2	85.4	85.4	85.5	85.5
IV 700	31.8	61.3	67.6	73.5	79.0	80.7	82.9	84.4	84.8	86.2	86.8	86.8	87.0	87.0	87.1	87.1
IV 600	31.8	61.5	67.8	73.8	79.5	81.3	83.5	85.7	86.1	87.7	88.3	88.3	88.5	88.5	88.7	88.7
IV 500	31.8	61.6	68.1	74.3	80.4	82.4	85.2	87.5	88.0	89.9	90.7	90.7	91.1	91.1	91.4	91.4
IV 400	31.8	61.7	68.3	74.7	80.9	83.0	86.0	88.8	89.3	91.7	92.8	92.9	93.5	93.5	93.9	94.1
IV 300	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.3	89.9	93.0	94.4	94.4	95.3	95.3	95.7	96.0
IV 200	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.4	90.1	93.4	95.2	95.2	96.5	96.6	97.2	97.5
IV 100	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.4	90.1	93.5	95.3	95.4	96.9	97.2	98.0	98.7
IV 0	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.4	90.1	93.5	95.3	95.4	97.0	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3127

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14808  
 STATION

GRAND AFB ILLINOIS/RANTOUL  
 STATION NAME

37-70  
 YEARS

YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	17.1	31.0	32.0	34.2	35.6	35.8	35.9	36.7	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4
IV 18000	22.2	37.0	39.0	41.7	43.5	43.7	43.9	44.2	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6
IV 16000	22.2	37.2	39.8	41.9	43.7	44.0	44.2	44.6	44.6	44.8	44.9	44.9	44.9	44.9	44.9	44.9
IV 14000	22.6	38.3	41.0	43.2	45.1	45.4	45.6	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3
IV 12000	23.6	39.7	42.7	45.3	47.1	47.4	47.6	48.1	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4
IV 10000	24.3	41.9	45.1	47.7	49.9	50.2	50.5	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000	25.2	42.6	45.9	48.5	50.8	51.1	51.4	51.9	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2
IV 8000	26.2	44.7	48.1	50.8	53.2	53.5	53.9	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6
IV 7000	26.6	45.7	49.1	52.0	54.5	54.9	55.2	55.8	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1
IV 6000	26.9	46.6	50.2	53.3	56.0	56.3	56.7	57.2	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.7
IV 5000	27.2	47.3	51.0	54.1	56.9	57.3	57.7	58.2	58.3	58.5	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	27.3	47.5	51.2	54.4	57.1	57.6	58.0	58.5	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0
IV 4000	27.5	48.1	51.4	55.2	58.2	58.7	59.2	59.8	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3
IV 3500	27.7	49.0	53.0	56.4	59.5	60.1	60.6	61.2	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8
IV 3000	28.4	51.0	55.2	59.7	62.0	62.7	63.2	63.8	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4
IV 2500	29.1	53.2	57.7	61.5	64.9	65.6	66.2	66.9	67.1	67.5	67.7	67.7	67.8	67.8	67.8	67.8
IV 2000	29.7	55.8	60.7	64.8	68.7	69.4	70.0	70.9	71.1	71.7	71.9	71.9	72.0	72.0	72.0	72.0
IV 1800	29.8	56.5	61.5	65.9	69.9	70.7	71.4	72.3	72.6	73.2	73.4	73.4	73.5	73.5	73.5	73.5
IV 1500	30.1	58.3	63.4	68.1	72.4	73.3	74.1	75.1	75.3	76.1	76.4	76.4	76.5	76.5	76.5	76.5
IV 1200	30.4	59.1	64.8	70.0	74.6	75.6	76.9	78.2	78.4	79.3	79.7	79.7	79.9	79.9	79.9	79.9
IV 1000	30.4	59.9	65.9	71.3	75.5	77.5	79.0	80.7	81.0	82.1	82.7	82.7	83.0	83.0	83.0	83.0
IV 900	30.4	60.2	66.2	71.7	77.1	78.2	79.9	81.6	81.9	83.0	83.7	83.7	84.0	84.0	84.0	84.0
IV 800	30.4	60.5	66.8	72.6	78.1	79.3	81.2	83.1	83.5	84.7	85.4	85.4	85.8	85.8	85.8	85.8
IV 700	30.4	60.7	67.0	73.0	78.9	80.3	82.6	84.5	84.9	86.3	87.2	87.2	87.6	87.6	87.6	87.6
IV 600	30.4	60.7	67.1	73.2	79.5	81.0	83.9	86.1	86.6	88.3	89.4	89.4	90.0	90.0	90.1	90.1
IV 500	30.4	60.8	67.4	73.5	79.9	81.5	84.7	87.1	87.6	89.4	90.7	90.7	91.4	91.4	91.4	91.4
IV 400	30.4	60.8	67.4	73.7	80.2	81.8	85.0	87.7	88.3	90.7	92.2	92.2	93.0	93.0	93.1	93.2
IV 300	30.4	60.9	67.5	73.8	80.3	82.0	85.3	88.2	88.9	91.8	93.6	93.7	94.6	94.6	94.8	95.0
IV 200	30.4	60.9	67.5	73.8	80.4	82.1	85.5	88.5	89.2	92.3	94.5	94.6	95.9	96.0	96.4	96.7
IV 100	30.4	60.9	67.5	73.8	80.4	82.1	85.5	88.5	89.3	92.5	94.8	94.7	96.5	96.6	97.3	98.4
IV 0	30.4	60.9	67.5	73.8	80.4	82.1	85.5	88.5	89.3	92.5	94.8	94.9	96.5	96.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS . . . . . 3155

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14903  
STATION

CHICAGO AND ILLINOIS/REGIONAL  
STATION NAME

27-70  
YEARS

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	½	≥5/16	¼	≥0
NO CEILING	20.2	33.5	37.1	38.9	40.0	41.0	41.5	41.9	42.0	42.1	42.2	42.2	42.2	42.2	42.2	42.2
≥20000	21.7	37.3	42.0	44.4	46.7	47.2	47.0	47.5	48.0	48.5	48.6	48.7	48.7	48.8	48.8	48.8
IV 18000	21.5	37.9	42.2	44.7	47.0	47.5	48.3	48.8	48.8	48.9	49.0	49.0	49.0	49.1	49.1	49.1
IV 16000	21.8	38.1	42.3	44.8	47.1	47.9	48.5	49.0	49.0	49.1	49.2	49.2	49.2	49.3	49.3	49.3
IV 14000	22.0	38.5	43.2	45.7	48.1	48.6	49.5	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	22.7	39.9	44.4	47.0	49.4	49.9	50.9	51.4	51.4	51.6	51.6	51.6	51.6	51.7	51.7	51.7
IV 10000	23.3	41.8	46.5	49.3	51.4	52.4	53.3	53.8	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1
IV 9000	23.8	42.5	47.3	50.2	52.7	53.4	54.3	54.8	54.8	55.0	55.1	55.1	55.1	55.2	55.2	55.2
IV 8000	24.4	43.7	48.7	51.7	54.2	54.9	55.9	56.4	56.5	56.6	56.7	56.7	56.7	56.8	56.8	56.8
IV 7000	24.8	44.6	49.5	52.2	55.2	55.9	57.1	57.6	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0
IV 6000	25.2	45.4	50.5	53.8	55.4	57.1	58.2	58.7	58.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2
IV 5000	25.6	46.6	51.7	55.2	57.9	58.6	59.7	60.3	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8
IV 4500	25.9	47.2	52.4	55.9	58.0	59.4	60.5	61.0	61.1	61.4	61.5	61.5	61.6	61.6	61.6	61.6
IV 4000	26.2	48.0	53.3	56.9	59.8	60.6	61.8	62.4	62.5	62.7	62.8	62.8	62.9	62.9	62.9	62.9
IV 3500	26.4	48.8	54.3	58.0	61.0	61.8	63.1	63.6	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1
IV 3000	26.7	50.1	55.9	59.8	63.0	63.8	65.1	65.7	65.8	66.1	66.2	66.2	66.3	66.3	66.3	66.3
IV 2500	27.2	51.9	58.0	62.2	65.6	66.5	67.9	68.6	68.7	69.1	69.3	69.3	69.4	69.4	69.4	69.4
IV 2000	27.7	54.2	60.9	65.3	69.1	70.0	71.6	72.5	72.6	73.0	73.2	73.2	73.3	73.3	73.3	73.3
IV 1800	27.8	54.7	61.3	65.9	69.8	70.9	72.4	73.4	73.5	74.0	74.1	74.1	74.2	74.2	74.2	74.2
IV 1500	28.2	56.6	63.8	68.3	72.4	73.4	75.1	76.2	76.3	76.8	77.0	77.0	77.1	77.1	77.1	77.1
IV 1200	28.4	58.0	65.3	70.2	74.7	75.9	78.0	79.2	79.3	79.8	80.1	80.1	80.2	80.2	80.2	80.2
IV 1000	28.5	58.7	66.1	71.4	76.4	77.6	79.9	81.3	81.5	82.2	82.7	82.7	82.8	82.8	82.8	82.8
IV 900	28.5	58.8	66.5	72.0	77.2	78.5	80.9	82.4	82.6	83.3	83.9	83.9	84.0	84.0	84.0	84.0
IV 800	28.5	59.1	67.0	72.5	78.0	79.4	82.1	83.6	83.9	85.0	85.6	85.6	85.8	85.8	85.8	85.8
IV 700	28.5	59.2	67.3	72.9	78.5	80.0	82.9	84.7	85.0	86.2	86.9	86.9	87.1	87.2	87.2	87.2
IV 600	28.6	59.4	67.6	73.2	79.1	80.6	84.1	86.0	86.3	87.8	88.7	88.7	89.1	89.1	89.1	89.1
IV 500	28.6	59.5	67.9	73.7	79.8	81.3	85.2	87.3	87.8	89.3	90.6	90.7	91.1	91.1	91.2	91.2
IV 400	28.6	59.5	67.9	73.7	80.1	81.9	86.1	88.5	89.0	91.1	92.4	92.4	92.9	93.0	93.0	93.1
IV 300	28.6	59.5	67.9	73.8	80.3	82.1	86.6	89.1	89.7	92.3	93.9	94.0	94.5	94.5	94.6	94.7
IV 200	28.6	59.5	67.9	73.8	80.3	82.2	86.6	89.3	89.8	92.8	94.8	95.1	95.6	95.7	96.2	96.4
IV 100	28.6	59.5	67.9	73.8	80.3	82.2	86.8	89.4	89.9	93.1	95.2	95.5	96.5	96.6	97.5	98.3
IV 0	28.6	59.5	67.9	73.8	80.3	82.2	86.8	89.4	89.9	95.1	95.3	95.5	96.6	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2100

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MSC

# CEILING VERSUS VISIBILITY

14895  
 STATION

CHICAGO AFB ILLINOIS/RAH/DL  
 STATION NAME

27-70  
 YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	21.7	36.0	40.7	40.9	43.1	43.6	44.3	44.6	44.6	44.8	44.8	44.8	44.9	44.9	45.3	45.3
≥ 20000	22.6	35.1	42.2	45.2	46.6	46.5	49.3	49.7	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.4
IV 18000	22.8	39.5	42.6	45.5	48.3	48.9	49.7	50.0	50.0	50.2	50.3	50.3	50.3	50.3	50.4	50.7
IV 16000	22.8	39.5	42.7	45.6	48.4	49.0	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.5	50.7
IV 14000	23.2	40.3	43.3	46.5	49.3	50.0	50.9	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.6	51.9
IV 12000	23.4	41.0	44.4	47.6	50.4	51.1	52.0	52.4	52.4	52.5	52.6	52.6	52.6	52.6	52.7	53.1
IV 10000	24.4	42.9	46.3	49.7	52.6	53.3	54.2	54.6	54.6	54.8	54.8	54.8	54.9	54.9	55.0	55.3
IV 9000	24.5	42.3	46.7	50.1	53.1	53.8	54.8	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.6	55.9
IV 8000	25.0	44.3	47.9	51.4	54.5	55.3	56.3	56.8	56.8	56.8	57.0	57.1	57.1	57.1	57.2	57.5
IV 7000	25.6	45.5	49.2	52.7	55.8	56.6	57.6	58.3	58.3	58.5	58.5	58.5	58.5	58.6	58.7	59.0
IV 6000	25.8	46.1	50.0	53.7	56.9	57.8	59.0	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	60.3
IV 5000	26.1	47.1	51.0	54.8	58.0	58.9	60.1	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.1	61.4
IV 4500	26.2	47.6	51.5	55.3	58.5	59.4	60.6	61.1	61.2	61.4	61.5	61.5	61.5	61.5	61.6	61.9
IV 4000	26.6	48.4	52.3	56.6	59.9	60.9	62.2	62.7	62.8	63.0	63.0	63.1	63.1	63.1	63.2	63.5
IV 3500	27.0	49.3	53.4	57.7	61.1	62.0	63.5	64.1	64.1	64.3	64.4	64.4	64.4	64.4	64.5	64.8
IV 3000	27.4	50.4	54.7	59.2	62.7	63.7	65.2	65.8	65.8	66.1	66.2	66.2	66.2	66.2	66.3	66.6
IV 2500	27.9	52.1	56.8	61.8	65.5	66.6	68.2	68.9	68.9	69.2	69.3	69.3	69.3	69.3	69.4	69.8
IV 2000	28.4	54.0	59.0	64.4	68.5	69.6	71.4	72.1	72.2	72.5	72.6	72.6	72.7	72.7	72.8	73.1
IV 1800	28.5	54.5	59.6	65.1	69.3	70.4	72.2	73.0	73.2	73.5	73.6	73.6	73.6	73.6	73.7	74.1
IV 1500	28.8	55.9	61.2	66.9	71.0	72.5	74.5	75.4	75.5	75.9	76.0	76.0	76.1	76.1	76.2	76.6
IV 1200	29.1	57.6	63.2	69.0	73.8	75.1	77.2	78.1	78.4	78.5	79.0	79.0	79.1	79.1	79.2	79.6
IV 1000	29.4	58.4	64.4	70.7	75.8	77.2	79.6	80.5	80.8	81.5	81.7	81.7	81.9	81.9	82.0	82.3
IV 900	29.5	58.7	65.1	71.5	76.7	78.1	80.5	81.7	82.0	82.7	83.0	83.0	83.2	83.2	83.3	83.7
IV 800	29.6	59.3	65.8	72.3	77.6	79.1	81.8	83.0	83.4	84.3	84.7	84.7	85.0	85.0	85.2	85.5
IV 700	29.7	59.5	66.1	72.5	78.2	79.8	82.7	84.1	84.5	85.5	85.9	85.9	86.2	86.3	86.4	86.7
IV 600	29.7	59.7	66.4	73.1	79.1	80.8	84.0	85.6	85.9	87.1	87.6	87.6	87.9	88.0	88.1	88.5
IV 500	29.7	59.7	66.6	73.5	79.7	81.5	84.9	86.8	87.3	88.5	89.2	89.2	89.7	89.7	89.9	90.4
IV 400	29.7	59.8	66.7	73.6	80.3	82.1	85.8	88.0	88.5	90.0	90.6	90.6	91.4	91.5	91.7	92.2
IV 300	29.7	59.8	66.7	73.6	80.4	82.2	86.1	88.5	89.2	90.9	91.9	91.9	92.7	92.8	93.0	93.0
IV 200	29.7	59.8	66.7	73.7	80.5	82.3	86.2	88.7	89.4	91.5	93.0	93.2	94.2	94.3	95.2	95.7
IV 100	29.7	59.8	66.7	73.7	80.5	82.3	86.3	88.9	89.6	91.9	93.8	94.0	95.5	95.8	97.0	98.1
IV 0	29.7	59.8	66.7	73.7	80.5	82.3	86.3	88.9	89.6	91.9	93.8	94.0	95.5	95.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2100

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800 STATION CHICAGO AND ILLINOIS/RENTON STATION NAME

17-64 YEARS

YEARS

54 MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0400 HOURS T.S.P.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	18.3	34.5	37.2	40.2	42.3	43.0	44.2	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.9	45.1
IV 20000	19.0	36.2	40.1	42.8	46.0	46.7	48.2	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	49.2
IV 18000	19.0	36.8	40.1	43.6	46.0	46.7	48.2	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	49.2
IV 16000	19.1	37.1	40.4	44.0	46.3	47.1	48.6	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.3	49.5
IV 14000	19.2	37.7	41.0	44.5	47.1	47.8	49.4	49.9	49.9	50.0	50.0	50.0	50.1	50.1	50.2	50.4
IV 12000	19.5	38.8	42.2	45.8	48.4	49.3	50.9	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.9
IV 10000	20.1	39.9	43.5	47.0	49.6	50.5	52.1	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.9	53.1
IV 9000	20.4	40.4	43.8	47.6	50.2	51.1	52.6	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.8
IV 8000	21.3	42.5	46.3	50.7	53.1	54.0	55.7	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.5	56.7
IV 7000	21.0	44.1	47.9	52.0	54.9	55.8	57.5	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.4	58.6
IV 6000	22.4	45.5	49.6	53.9	56.8	57.8	59.6	60.2	60.2	60.4	60.4	60.4	60.5	60.5	60.6	60.8
IV 5000	22.7	46.9	51.2	55.5	58.6	59.7	61.5	62.1	62.1	62.3	62.3	62.3	62.4	62.4	62.5	62.7
IV 4500	22.9	47.3	51.7	56.3	59.4	60.6	62.5	63.1	63.1	63.2	63.2	63.2	63.4	63.4	63.4	63.7
IV 4000	23.1	48.7	53.3	58.3	61.3	62.5	64.5	65.1	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.7
IV 3500	23.4	49.8	54.6	59.7	62.8	64.0	66.0	66.7	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.3
IV 3000	23.8	51.4	56.3	61.6	64.8	66.7	68.0	68.7	68.7	68.9	68.9	68.9	69.0	69.0	69.1	69.3
IV 2500	24.1	53.0	58.3	63.9	67.5	68.9	71.0	71.6	71.6	71.9	71.9	71.9	72.0	72.0	72.1	72.3
IV 2000	24.4	55.0	60.6	66.6	71.0	72.6	74.9	75.6	75.6	76.0	76.0	76.0	76.2	76.2	76.2	76.5
IV 1800	24.7	55.7	61.3	67.3	71.8	73.4	75.8	76.4	76.4	76.8	76.9	76.9	77.1	77.1	77.1	77.4
IV 1500	25.0	56.8	62.8	69.2	73.9	75.6	78.2	78.9	78.9	79.4	79.5	79.5	79.7	79.7	79.7	80.0
IV 1200	25.4	57.9	64.2	71.0	76.1	77.8	80.6	81.3	81.4	82.0	82.1	82.1	82.3	82.3	82.3	82.6
IV 1000	25.5	58.9	65.6	72.7	78.4	80.1	83.1	84.0	84.1	85.0	85.1	85.1	85.4	85.4	85.4	85.7
IV 800	25.5	59.2	66.0	73.2	79.3	81.1	84.2	85.3	85.4	86.3	86.5	86.5	86.7	86.7	86.7	87.0
IV 700	25.5	59.5	66.4	73.7	79.9	81.7	85.1	86.3	86.3	87.4	87.6	87.6	87.8	87.8	87.8	88.1
IV 600	25.5	59.7	66.7	74.0	80.4	82.3	86.0	87.3	87.4	88.7	88.9	88.9	89.1	89.1	89.2	89.4
IV 500	25.5	59.7	66.8	74.3	80.8	82.7	87.0	88.6	88.8	90.2	90.3	90.3	90.6	90.6	90.7	90.9
IV 400	25.5	59.8	66.8	74.5	81.0	82.9	87.4	89.7	89.4	91.0	91.4	91.4	91.7	91.7	91.8	92.1
IV 300	25.5	59.9	67.0	74.6	81.3	83.2	87.7	89.8	90.1	92.1	92.5	92.5	93.0	93.0	93.2	93.4
IV 200	25.5	60.0	67.0	74.7	81.5	83.4	88.0	90.3	90.6	92.8	93.5	93.5	94.3	94.4	94.5	94.9
IV 100	25.5	60.0	67.1	74.8	81.7	83.6	88.4	90.7	91.0	93.7	94.6	94.6	95.7	95.8	96.1	96.7
IV 0	25.5	60.0	67.1	74.8	81.7	83.6	88.4	90.8	91.1	94.0	95.1	95.2	96.6	96.7	97.5	98.2

TOTAL NUMBER OF OBSERVATIONS

2313

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14807  
STATION

QUANTICO AFB ILLINOIS/AMTOL  
STATION NAME

37-63  
YEARS

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0300  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING IV 20000	10.0	31.5	34.6	37.4	40.2	40.7	41.6	41.9	41.9	42.1	42.1	42.2	42.2	42.2	42.3	42.3
IV 18000	10.8	34.3	37.7	40.6	43.7	44.2	45.4	45.8	45.8	46.0	46.0	46.1	46.1	46.1	46.2	46.2
IV 16000	10.8	34.4	37.9	40.9	44.1	44.7	45.8	46.3	46.3	46.5	46.5	46.5	46.5	46.6	46.6	46.7
IV 14000	10.9	35.3	38.8	41.3	45.2	45.8	47.0	47.5	47.5	47.7	47.7	47.8	47.8	47.8	47.9	47.9
IV 12000	17.3	30.4	40.2	43.3	46.7	47.2	48.0	49.1	49.1	49.3	49.3	49.4	49.4	49.4	49.5	49.6
IV 10000	17.7	37.0	41.0	44.4	47.9	48.5	50.3	50.8	50.8	51.0	51.0	51.1	51.1	51.1	51.2	51.3
IV 9000	15.2	37.7	41.8	45.2	48.7	49.4	51.2	51.8	51.8	52.0	52.1	52.1	52.1	52.1	52.2	52.3
IV 8000	19.1	39.1	43.3	47.0	50.7	51.4	53.3	53.8	53.8	54.1	54.1	54.2	54.2	54.2	54.3	54.4
IV 7000	19.9	40.4	44.8	48.6	52.3	53.0	54.9	55.6	55.6	55.8	55.9	55.9	55.9	56.0	56.0	56.1
IV 6000	20.0	41.0	46.0	50.3	54.2	55.1	57.1	57.8	57.8	58.0	58.1	58.2	58.2	58.3	58.3	58.4
IV 5000	20.4	43.0	48.2	52.8	56.7	57.7	59.6	60.4	60.4	60.7	60.8	60.8	60.8	60.9	60.9	61.0
IV 4500	20.5	43.9	48.9	53.5	57.5	58.6	60.7	61.3	61.3	61.6	61.7	61.7	61.8	61.8	61.9	61.9
IV 4000	20.6	44.2	50.0	54.8	58.9	60.1	62.2	62.9	62.9	63.2	63.3	63.3	63.3	63.4	63.4	63.5
IV 3500	21.1	45.8	51.1	56.0	60.1	61.4	63.6	64.3	64.3	64.6	64.7	64.7	64.8	64.8	64.9	65.0
IV 3000	21.2	46.7	52.4	57.3	61.7	62.9	65.4	66.1	66.1	66.4	66.5	66.6	66.6	66.7	66.7	66.8
IV 2500	21.3	47.9	54.1	59.3	63.7	65.0	67.7	68.5	68.5	68.9	69.0	69.0	69.1	69.1	69.2	69.2
IV 2000	21.5	50.3	56.9	62.8	67.1	68.4	71.6	72.6	72.6	73.1	73.3	73.3	73.4	73.4	73.4	73.5
IV 1800	21.9	50.8	57.5	63.4	68.2	69.5	72.8	73.9	73.9	74.5	74.6	74.6	74.7	74.7	74.8	74.9
IV 1500	22.3	52.3	59.3	65.5	70.5	72.0	75.5	76.7	76.7	77.3	77.4	77.5	77.5	77.6	77.6	77.7
IV 1200	22.7	54.0	61.3	68.2	73.6	75.1	78.8	80.2	80.2	80.8	80.9	81.0	81.1	81.1	81.2	81.3
IV 1000	22.8	55.0	62.7	69.9	75.9	77.5	81.5	83.0	83.0	83.9	84.0	84.1	84.2	84.3	84.3	84.4
IV 900	22.9	55.5	63.3	70.7	76.8	78.4	82.5	84.1	84.2	85.1	85.2	85.4	85.5	85.6	85.7	85.7
IV 800	22.9	55.5	63.8	71.3	77.6	79.3	83.7	85.6	85.6	86.6	86.8	86.9	87.1	87.1	87.2	87.3
IV 700	23.0	56.1	64.1	71.6	78.2	80.1	84.6	86.6	86.7	87.8	88.1	88.2	88.3	88.4	88.5	88.6
IV 600	23.0	56.3	64.4	72.2	78.9	80.8	85.6	87.9	87.9	89.3	89.7	89.9	89.9	90.0	90.1	90.2
IV 500	23.0	56.3	64.7	72.6	79.5	81.6	87.0	89.5	89.6	91.3	91.7	91.9	92.1	92.2	92.4	92.5
IV 400	23.0	56.3	64.7	72.7	79.7	81.9	87.5	90.2	90.4	92.3	92.8	93.0	93.3	93.4	93.7	93.7
IV 300	23.0	56.4	64.7	72.7	79.7	82.0	87.7	90.6	90.7	92.8	93.6	93.9	94.3	94.4	94.7	94.8
IV 200	23.0	56.4	64.7	72.7	79.8	82.0	87.8	90.8	91.0	93.2	94.3	94.5	95.4	95.5	95.9	95.9
IV 100	23.0	56.4	64.7	72.7	79.8	82.0	87.9	90.9	91.1	93.5	95.1	95.4	96.5	96.7	97.7	97.7
IV 0	23.0	56.4	64.7	72.7	79.8	82.0	87.9	90.9	91.1	93.5	95.3	95.6	96.8	97.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2266

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

14866 STATION CHAN. IFF APR ILLINOIS/AMT. DL 37-70 YEARS 0400-0800 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0400-0800  
 HOURS T-1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	14.0	26.4	29.6	32.5	35.1	35.9	36.8	37.4	37.6	38.1	36.2	38.2	38.5	38.5	38.6	38.7
≥ 20000	13.2	25.4	28.4	31.7	34.7	40.7	41.8	42.7	42.9	43.6	43.7	44.1	44.1	44.1	44.1	44.2
IV 18000	15.4	29.6	33.0	36.7	39.9	40.9	42.1	42.9	43.1	43.6	43.9	43.9	44.3	44.3	44.3	44.4
IV 16000	15.4	29.9	33.8	37.1	40.1	41.1	42.4	43.2	43.4	44.1	44.2	44.2	44.6	44.6	44.6	44.7
IV 14000	15.6	30.9	34.5	37.9	40.9	42.0	43.2	44.1	44.3	45.0	45.0	45.1	45.4	45.4	45.5	45.6
IV 12000	15.9	31.8	35.9	39.5	42.8	43.8	45.2	46.1	46.3	47.0	47.1	47.2	47.5	47.5	47.6	47.7
IV 10000	16.8	33.4	37.9	41.7	45.2	46.4	48.0	48.9	49.1	49.8	49.9	50.0	50.3	50.3	50.4	50.5
IV 8000	17.3	34.1	38.6	42.4	46.2	47.4	49.0	49.9	50.2	50.9	51.0	51.0	51.4	51.4	51.4	51.5
IV 7000	17.9	36.2	41.0	45.3	49.0	50.3	52.0	53.1	53.3	54.1	54.3	54.2	54.6	54.6	54.7	54.8
IV 6000	18.1	37.1	42.0	46.5	50.3	51.7	53.5	54.7	54.9	55.6	55.7	55.5	56.2	56.2	56.2	56.3
IV 5000	18.4	38.0	43.1	47.9	51.9	53.2	55.2	56.3	56.6	57.3	57.4	57.5	57.9	57.9	57.9	58.0
IV 4500	18.6	39.3	44.2	49.3	53.7	55.2	57.1	58.4	58.6	59.4	59.5	59.6	60.0	60.0	60.0	60.1
IV 4000	18.8	40.6	45.3	50.3	54.8	56.3	58.2	59.5	59.8	60.6	60.7	60.7	61.1	61.1	61.2	61.3
IV 3500	19.0	41.4	47.1	52.2	56.8	58.2	60.4	61.8	62.1	62.9	63.1	63.1	63.5	63.5	63.6	63.7
IV 3000	19.4	42.7	48.0	53.3	57.9	59.8	61.9	63.5	63.8	64.7	64.8	64.9	65.3	65.3	65.4	65.5
IV 2500	19.5	42.7	48.7	54.2	59.3	61.0	63.5	65.2	65.5	66.4	66.6	66.7	67.1	67.1	67.2	67.3
IV 2000	20.2	43.9	50.1	55.9	61.2	62.9	65.6	67.5	67.8	68.8	68.9	69.0	69.4	69.4	69.5	69.7
IV 1800	20.9	46.0	52.4	58.5	63.9	65.9	68.9	70.8	71.3	72.4	72.6	72.7	73.2	73.2	73.2	73.4
IV 1500	20.9	46.5	52.9	59.0	64.6	66.5	69.7	71.6	72.1	73.3	73.5	73.5	74.0	74.0	74.1	74.2
IV 1200	21.3	48.1	54.7	60.9	66.7	68.8	72.3	74.3	74.8	76.1	76.4	76.5	76.9	76.9	77.0	77.1
IV 1000	21.7	49.4	56.5	63.4	69.7	71.8	75.4	77.5	78.1	79.5	79.9	80.1	80.6	80.6	80.7	80.8
IV 900	21.8	50.3	57.9	65.2	71.7	73.8	77.8	80.0	80.5	82.3	82.8	82.9	83.5	83.5	83.6	83.9
IV 800	21.9	50.5	58.2	65.5	72.2	74.3	78.3	80.6	81.2	83.0	83.5	83.7	84.3	84.3	84.4	84.6
IV 700	22.0	50.8	58.4	65.8	72.8	75.0	79.3	81.6	82.3	84.2	84.9	85.1	85.7	85.7	85.8	86.0
IV 600	22.0	51.1	58.8	66.3	73.5	75.8	80.4	82.7	83.5	85.5	86.1	86.3	87.0	87.0	87.1	87.3
IV 500	22.0	51.4	59.1	66.7	74.0	76.5	81.0	84.3	85.2	87.6	88.5	88.7	89.4	89.5	89.6	89.9
IV 400	22.0	51.6	59.3	67.2	74.8	77.3	83.3	86.4	87.5	90.5	91.7	92.0	92.9	92.9	93.1	93.2
IV 300	22.0	51.8	59.5	67.2	75.0	77.5	83.6	86.8	88.0	91.3	92.8	93.1	94.3	94.4	94.6	94.8
IV 200	22.0	51.8	59.5	67.2	75.0	77.5	83.7	87.0	88.2	91.8	93.6	94.0	95.4	95.7	96.0	96.4
IV 100	22.0	51.8	59.5	67.2	75.0	77.6	83.7	87.0	88.2	91.9	93.9	94.3	96.1	96.4	97.4	98.0
IV 0	22.0	51.8	59.5	67.2	75.0	77.6	83.7	87.0	88.2	91.9	94.0	94.5	96.3	96.7	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2705

USAF ETAC FORM 101-64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

GRANDIA AFB ILLINOIS/RA:TDUL  
STATION NAME

37-70  
YEARS

YEARS

155  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	19.5	31.3	33.9	35.9	37.9	38.1	38.7	38.9	39.0	39.2	39.3	39.3	39.4	39.4	39.4	39.5
IV 20000	21.4	35.5	38.9	41.8	44.3	44.6	45.2	45.7	45.7	46.1	46.2	46.2	46.2	46.2	46.3	46.3
IV 18000	21.5	35.4	39.0	42.0	44.6	44.9	45.6	46.0	46.0	46.4	46.4	46.5	46.5	46.5	46.6	46.6
IV 16000	21.6	35.0	39.2	42.2	44.8	45.1	45.8	46.2	46.2	46.6	46.7	46.7	46.8	46.8	46.9	46.9
IV 14000	21.7	34.1	39.4	42.5	45.2	45.4	46.1	46.5	46.6	46.9	47.0	47.0	47.1	47.1	47.1	47.2
IV 12000	22.3	37.4	40.6	42.9	46.7	47.0	47.7	48.1	48.1	48.6	48.6	48.7	48.7	48.7	48.8	48.8
IV 10000	23.3	39.4	43.6	46.8	49.6	50.2	50.9	51.3	51.4	51.9	52.0	52.0	52.0	52.0	52.1	52.1
IV 9000	23.8	40.2	44.5	47.8	50.5	51.3	52.1	52.6	52.7	53.1	53.2	53.2	53.3	53.3	53.4	53.4
IV 8000	24.4	42.5	46.5	50.0	53.4	53.8	54.6	55.2	55.2	55.7	55.8	55.8	55.9	55.9	55.9	56.0
IV 7000	24.2	44.3	48.2	51.9	55.4	55.9	56.7	57.2	57.3	57.8	57.9	57.9	57.9	57.9	58.0	58.0
IV 6000	25.0	44.6	49.0	52.8	56.4	56.9	57.9	58.5	58.5	59.1	59.2	59.2	59.3	59.3	59.4	59.4
IV 5000	25.2	45.7	50.4	54.2	58.0	58.4	59.0	60.3	60.4	61.1	61.2	61.2	61.2	61.2	61.3	61.3
IV 4500	25.4	46.2	50.9	54.8	58.7	59.4	60.9	61.2	61.2	61.9	62.0	62.0	62.1	62.1	62.1	62.2
IV 4000	25.7	47.2	52.2	56.4	60.7	61.3	62.0	63.3	63.4	64.1	64.2	64.2	64.3	64.3	64.3	64.4
IV 3500	25.9	47.8	52.9	57.3	61.6	62.3	63.5	64.3	64.4	65.1	65.3	65.3	65.4	65.4	65.4	65.5
IV 3000	26.3	48.9	54.1	58.8	63.2	63.9	65.3	66.1	66.2	67.0	67.2	67.2	67.3	67.3	67.4	67.4
IV 2500	26.7	49.9	55.0	60.5	65.1	65.9	67.5	68.4	68.6	69.4	69.6	69.6	69.7	69.7	69.8	69.9
IV 2000	27.3	51.9	56.2	63.3	68.4	69.2	71.1	72.2	72.3	73.6	73.6	73.6	73.7	73.7	73.8	73.8
IV 1800	27.8	52.6	59.1	64.2	69.4	70.3	72.3	73.4	73.7	74.6	74.8	74.8	74.9	74.9	75.0	75.1
IV 1500	28.1	54.3	51.2	66.8	72.2	73.1	75.3	76.7	76.9	78.0	78.2	78.3	78.4	78.4	78.4	78.5
IV 1200	28.8	56.2	63.4	69.3	75.0	76.0	78.6	80.1	80.4	81.5	81.8	81.8	81.9	81.9	82.0	82.0
IV 1000	29.0	57.0	64.3	70.3	76.3	77.3	80.6	82.2	82.6	84.2	84.6	84.6	84.8	84.8	84.9	85.0
IV 900	29.0	57.3	64.7	70.8	77.0	78.2	81.4	83.0	83.4	85.1	85.6	85.6	85.8	85.8	85.9	86.0
IV 800	29.0	57.5	65.1	71.3	77.8	79.2	82.7	84.3	84.9	86.7	87.3	87.3	87.5	87.5	87.6	87.7
IV 700	29.0	57.8	65.4	71.7	78.4	80.0	83.5	85.7	86.2	88.1	88.7	88.7	89.1	89.1	89.2	89.2
IV 600	29.0	57.9	65.6	72.1	78.8	80.7	84.4	86.8	87.6	89.6	90.3	90.3	90.7	90.7	90.8	90.8
IV 500	29.0	58.0	65.8	72.3	79.2	81.1	85.1	87.9	88.9	91.1	91.9	92.0	92.5	92.5	92.6	92.7
IV 400	29.0	58.0	65.9	72.5	79.5	81.6	86.1	89.1	90.1	92.6	93.4	93.4	94.2	94.2	94.4	94.4
IV 300	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.5	90.5	93.5	94.6	94.6	95.6	95.6	96.2	96.2
IV 200	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.7	90.8	94.1	95.7	95.7	97.4	97.7	98.0	98.2
IV 100	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.7	90.8	94.1	95.8	96.0	97.8	98.1	98.6	98.9
IV 0	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.7	90.8	94.1	95.8	96.1	97.8	98.2	98.0	LOC.

TOTAL NUMBER OF OBSERVATIONS

2677

USAF ETAC FORM 10-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14000  
STATION

14000 APR ILLINOIS/AMHJPL  
STATION NAME

17-70  
YEARS

17  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	25.4	35.6	37.3	38.3	38.7	38.8	39.0	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥20000	25.4	35.6	37.3	38.3	38.7	38.8	39.0	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥18000	25.0	42.3	44.3	46.0	46.7	46.9	47.0	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥16000	24.2	42.3	45.0	45.9	47.2	47.4	47.5	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥14000	24.4	42.3	45.5	47.1	47.8	48.0	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥12000	3.0	44.2	46.0	48.5	49.1	49.4	49.0	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥10000	1.1	46.0	48.0	50.4	51.4	51.6	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥9000	31.5	46.5	48.3	51.4	52.2	52.6	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥8000	32.1	48.2	51.4	53.3	54.3	54.6	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥7000	32.3	49.3	52.2	54.7	55.8	56.1	56.3	56.4	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7
≥6000	32.8	50.1	53.6	55.9	57.0	57.3	57.6	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0
≥5000	32.8	51.0	54.5	56.6	57.8	58.1	58.2	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6
≥4500	33.2	51.5	55.0	57.6	58.8	59.1	59.2	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6
≥4000	33.6	52.7	56.5	59.1	60.3	61.0	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥3500	33.5	53.2	57.0	60.1	61.7	62.0	62.3	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥3000	34.0	54.1	58.3	61.4	63.4	63.8	64.3	64.4	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1
≥2500	35.2	55.1	61.1	64.6	66.7	67.4	67.9	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥2000	36.8	60.0	63.5	69.1	71.8	72.4	73.0	74.0	74.1	74.3	74.4	74.4	74.4	74.5	74.5	74.5
≥1800	35.9	61.5	66.7	70.6	73.3	73.9	74.5	75.6	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1
≥1500	37.3	63.1	68.6	73.0	76.2	76.8	77.8	78.9	79.1	79.3	79.4	79.5	79.6	79.6	79.6	79.6
≥1200	37.5	64.5	70.7	75.3	78.9	79.5	80.7	81.9	82.1	82.5	82.7	82.8	83.0	83.0	83.0	83.0
≥1000	37.6	65.5	71.8	76.3	80.7	81.5	83.1	84.6	84.8	85.6	85.9	86.0	86.3	86.3	86.3	86.3
≥900	37.6	65.6	72.1	77.3	81.3	82.2	83.8	85.4	85.7	86.2	86.8	86.9	87.2	87.2	87.2	87.3
≥800	37.6	65.8	72.5	77.7	82.2	83.3	85.2	87.1	87.4	88.3	88.9	89.0	89.6	89.6	89.6	89.6
≥700	37.6	65.8	72.5	78.0	82.6	84.0	86.0	88.1	88.4	89.6	90.0	90.1	90.5	90.5	90.5	90.6
≥600	37.6	65.9	72.9	78.4	83.2	84.5	86.8	89.2	89.7	91.0	91.5	91.6	91.9	91.9	91.9	92.0
≥500	37.6	65.9	73.0	78.7	83.6	85.2	87.6	90.3	90.9	92.5	93.1	93.7	93.8	93.8	93.8	93.9
≥400	37.6	66.0	73.1	78.8	83.9	85.6	88.1	91.3	91.9	93.9	94.9	95.1	95.8	95.8	96.1	96.2
≥300	37.6	66.0	73.1	78.8	83.9	85.7	88.2	91.6	92.3	94.6	95.7	95.9	96.9	96.9	97.0	97.3
≥200	37.6	66.0	73.1	78.8	83.9	85.7	88.3	91.9	92.6	95.1	96.4	96.7	97.8	97.8	98.0	98.4
≥100	37.6	66.0	73.1	78.8	83.9	85.7	88.3	91.9	92.6	95.2	96.5	96.5	98.1	98.2	98.9	99.1
0	37.6	66.0	73.1	78.8	83.9	85.7	88.3	91.9	92.6	95.2	96.5	96.5	98.2	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2000

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHICKS AIR FIELD/RAVENS  
STATION NAME

37-70  
YEAR

YEAR

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0
NO CEILING ≥ 20000	25.7	34.7	40.5	37.2	38.3	39.5	40.6	38.7	38.7	39.9	38.8	38.8	38.8	38.8	38.8
IV 18000 16000	29.5	41.4	44.0	45.2	40.6	40.8	40.9	47.2	47.4	47.4	47.5	47.5	47.5	47.5	47.5
IV 14000 12000	29.7	41.8	44.4	46.2	46.9	47.1	47.2	47.6	47.7	47.6	47.8	47.8	47.8	47.8	47.8
IV 10000 9000	30.1	42.3	45.2	47.1	47.8	48.0	48.1	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7
IV 8000 7000	30.7	43.4	46.7	46.9	49.5	49.6	49.7	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3
IV 6000 5000	31.3	45.1	48.4	50.3	51.4	51.0	51.8	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4
IV 4500 4000	31.9	46.1	49.4	51.4	52.6	52.8	53.0	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6
IV 3500 3000	32.8	48.0	51.5	53.6	54.5	55.1	55.4	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0
IV 2500 2000	32.9	49.1	52.8	55.0	56.4	56.7	57.0	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6
IV 1800 1500	33.1	50.3	54.0	56.4	57.9	58.2	58.6	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3
IV 1200 1000	33.6	51.2	55.2	57.4	59.2	59.4	59.9	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 900 800	33.9	51.9	55.8	59.4	60.0	60.3	60.8	61.3	61.4	61.3	61.5	61.5	61.5	61.5	61.5
IV 700 600	34.5	52.7	56.7	59.4	61.1	61.3	62.0	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9
IV 500 400	35.3	54.1	58.2	60.9	62.8	63.1	63.7	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6
IV 300 200	36.5	56.2	60.4	63.3	65.4	65.9	66.6	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 100 0	36.1	59.3	63.9	67.1	69.2	69.7	70.4	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
	39.0	62.6	67.7	71.3	73.0	74.2	75.1	75.9	76.0	76.5	76.6	76.6	76.6	76.6	76.6
	39.2	63.2	68.5	72.2	74.6	75.2	76.2	77.0	77.2	77.7	77.8	77.8	77.8	77.8	77.8
	39.3	64.4	70.2	74.4	77.4	78.1	79.4	80.3	80.5	81.1	81.2	81.2	81.2	81.2	81.2
	39.4	65.3	71.4	76.1	79.7	80.7	82.1	83.3	83.5	84.2	84.3	84.3	84.4	84.4	84.4
	39.5	65.8	72.2	77.5	81.5	82.7	84.3	85.8	86.1	87.0	87.1	87.2	87.3	87.3	87.3
	39.5	65.9	72.3	77.7	81.8	83.1	85.0	86.7	86.9	87.9	88.1	88.1	88.3	88.3	88.3
	39.5	65.9	72.3	78.1	82.4	83.8	86.0	87.9	88.2	89.3	89.3	89.6	89.8	89.8	89.8
	39.5	66.0	72.6	78.3	82.8	84.2	86.6	88.7	89.0	90.1	90.4	90.6	90.8	90.8	90.8
	39.5	66.0	72.7	78.4	83.0	84.5	86.9	89.4	89.7	90.9	91.3	91.4	91.7	91.7	91.7
	39.5	66.0	72.8	78.6	83.4	85.0	87.8	90.6	91.0	92.4	92.9	93.4	93.4	93.4	93.4
	39.5	66.0	72.8	78.6	83.4	85.0	87.9	90.9	91.5	93.4	94.4	94.4	94.4	94.4	94.4
	39.5	66.0	72.8	78.6	83.4	85.1	88.0	91.3	91.9	94.3	95.4	95.4	95.4	95.4	95.4
	39.5	66.0	72.8	78.6	83.4	85.2	88.0	91.3	92.0	94.6	96.0	96.3	97.2	97.6	97.6
	39.5	66.0	72.8	78.6	83.4	85.2	88.0	91.3	92.0	94.6	96.0	96.3	97.5	97.9	98.4
	39.5	66.0	72.8	78.6	83.4	85.2	88.0	91.3	92.0	94.6	96.0	96.4	97.5	98.4	99.1

TOTAL NUMBER OF OBSERVATIONS

2874

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14864  
 STATION

CALEDON AFB ILLINOIS/KAJTL01  
 STATION NAME

37-79  
 YEARS

LEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1400-2000  
 HOUR RANGE

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	74.8	42.3	40.2	42.7	43.9	44.2	44.7	44.7	44.9	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.1
IV 18000	70.5	42.0	44.7	47.5	49.3	49.7	50.3	50.3	50.7	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9
IV 16000	60.7	42.2	45.0	48.0	49.6	50.0	50.6	50.8	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.3	51.3
IV 14000	26.9	43.2	46.3	48.4	51.0	51.4	52.0	52.3	52.4	52.5	52.5	52.5	52.5	52.6	52.6	52.7	52.7
IV 12000	27.8	44.4	47.4	50.6	52.2	52.6	53.3	53.5	53.6	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9
IV 10000	28.5	45.7	48.8	52.7	53.3	54.3	54.9	55.2	55.3	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6
IV 9000	28.9	46.3	49.6	53.0	54.4	55.2	55.9	56.1	56.3	56.4	56.4	56.4	56.4	56.5	56.5	56.6	56.6
IV 8000	29.9	48.2	51.7	55.2	57.0	57.5	58.2	58.5	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9
IV 7000	40.6	48.7	53.3	56.9	58.3	59.4	60.2	60.5	60.6	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9
IV 6000	51.0	50.4	54.2	58.0	60.1	60.6	61.5	61.9	62.0	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3
IV 5000	51.4	51.3	55.5	59.5	61.7	62.2	63.1	63.5	63.6	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0
IV 4500	51.5	51.7	56.0	60.1	62.3	62.8	63.8	64.2	64.3	64.4	64.5	64.5	64.5	64.7	64.7	64.7	64.7
IV 4000	52.0	52.8	57.3	61.6	63.9	64.4	65.5	65.9	66.1	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5
IV 3500	52.6	54.2	58.8	63.3	65.7	66.3	67.3	67.7	67.9	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3
IV 3000	53.2	55.9	60.7	65.4	67.8	68.6	69.7	70.1	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7
IV 2500	53.9	57.0	62.7	67.9	70.7	71.5	72.6	73.2	73.4	73.7	73.9	73.9	74.0	74.0	74.0	74.0	74.0
IV 2000	54.3	60.3	66.1	72.0	75.2	76.1	77.5	78.2	78.4	78.8	79.0	79.0	79.1	79.1	79.1	79.2	79.2
IV 1800	54.8	60.9	66.8	72.8	76.1	76.9	78.4	79.2	79.4	79.9	80.1	80.1	80.2	80.2	80.3	80.3	80.3
IV 1500	55.1	61.8	68.0	74.4	78.1	79.1	80.7	81.6	81.9	82.4	82.6	82.6	82.8	82.8	82.9	82.9	82.9
IV 1200	55.2	62.8	69.5	76.2	80.2	81.4	83.3	84.2	84.6	85.2	85.5	85.5	85.7	85.7	85.7	85.7	85.7
IV 1000	55.3	63.3	70.4	77.7	81.9	83.2	85.3	86.5	86.8	87.6	87.8	87.8	88.2	88.2	88.2	88.2	88.2
IV 900	55.3	63.4	70.7	78.1	82.5	83.9	86.3	87.4	87.8	88.6	88.9	88.9	89.2	89.2	89.3	89.3	89.3
IV 800	55.3	63.6	71.0	78.6	83.2	84.6	87.2	88.5	88.9	89.7	90.0	90.0	90.3	90.4	90.4	90.4	90.5
IV 700	55.3	63.8	71.3	78.9	83.6	85.0	87.8	89.2	89.6	90.5	91.0	91.1	91.5	91.5	91.6	91.7	91.7
IV 600	55.3	63.8	71.3	79.0	84.0	85.5	88.3	90.0	90.5	91.6	92.2	92.3	92.7	92.7	92.7	92.8	92.8
IV 500	55.3	63.9	71.4	79.2	84.3	85.8	88.9	90.8	91.4	92.9	93.6	93.8	94.3	94.3	94.4	94.4	94.4
IV 400	55.3	63.9	71.5	79.2	84.4	85.9	89.0	91.0	91.6	93.4	94.4	94.5	95.2	95.2	95.3	95.4	95.4
IV 300	55.3	63.9	71.5	79.2	84.5	86.0	89.2	91.3	92.0	93.9	95.1	95.2	95.9	96.0	96.3	96.4	96.4
IV 200	55.3	63.9	71.5	79.2	84.5	86.0	89.2	91.3	92.1	94.0	95.6	95.7	96.5	96.5	97.1	97.3	97.3
IV 100	55.3	63.9	71.5	79.2	84.5	86.0	89.3	91.4	92.2	94.2	95.9	96.1	97.1	97.2	98.1	98.6	98.6
IV 0	55.3	63.9	71.5	79.2	84.5	86.0	89.3	91.4	92.3	94.3	96.0	96.3	97.2	97.3	98.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2800

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHANDLER AFB ILLINOIS/RAVITOL  
 STATION NAME

37-70  
 YEARS

YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS UT

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	27.4	40.3	43.0	46.7	47.6	47.7	48.5	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.4
IV 18000	28.6	43.3	47.2	50.3	51.6	51.9	52.7	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.6
IV 16000	29.6	43.4	47.2	50.7	51.8	52.2	53.0	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.9
IV 14000	28.7	43.8	47.8	51.2	52.5	52.8	53.6	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.5
IV 12000	29.1	44.4	48.4	51.9	53.2	53.5	54.3	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.2
IV 10000	29.8	45.5	50.0	53.6	55.1	55.4	56.2	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.1
IV 9000	30.3	46.7	50.9	54.5	56.0	56.4	57.2	57.7	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.1
IV 8000	31.4	48.5	53.1	56.9	58.6	58.9	59.7	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.6
IV 7000	32.0	50.4	55.1	58.9	60.7	61.1	62.0	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.9
IV 6000	32.3	51.4	56.4	60.2	62.0	62.4	63.3	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.2
IV 5000	33.0	53.1	58.0	62.0	64.0	64.4	65.4	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.4
IV 4500	33.2	53.9	58.4	62.5	64.6	65.0	66.1	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.1
IV 4000	33.5	54.5	59.0	64.0	66.0	66.5	67.6	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.6
IV 3500	34.0	55.8	61.0	65.4	67.6	68.0	69.1	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.2
IV 3000	34.4	57.3	62.6	67.1	69.4	69.9	71.1	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.2	72.3
IV 2500	34.8	58.9	64.6	69.3	71.8	72.4	73.7	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.8	74.9
IV 2000	35.0	60.6	67.1	72.0	74.8	75.5	77.0	77.7	77.8	78.2	78.3	78.3	78.3	78.3	78.4	78.5
IV 1800	35.1	61.1	67.9	72.9	75.8	76.5	78.0	78.8	78.9	79.3	79.4	79.4	79.5	79.5	79.6	79.7
IV 1500	35.6	62.4	69.0	74.8	77.8	78.5	80.2	81.2	81.4	81.8	81.9	81.9	82.0	82.0	82.2	82.3
IV 1200	35.9	63.4	71.1	76.7	79.8	80.7	82.6	83.8	84.0	84.5	84.7	84.7	84.8	84.8	84.9	85.0
IV 1000	35.9	64.2	72.4	78.2	81.3	82.4	84.4	85.9	86.1	87.0	87.2	87.2	87.3	87.3	87.4	87.5
IV 900	36.0	64.6	72.8	78.6	82.1	83.1	85.3	86.9	87.1	88.0	88.2	88.2	88.4	88.4	88.5	88.6
IV 800	36.0	64.7	73.1	78.9	82.8	83.8	86.1	87.9	88.2	89.1	89.5	89.5	89.7	89.7	89.8	89.9
IV 700	36.0	65.0	73.3	79.3	83.4	84.5	86.9	88.8	89.1	90.2	90.7	90.7	90.8	90.8	91.0	91.1
IV 600	36.0	65.1	73.7	79.7	83.7	84.8	87.2	89.3	89.6	91.0	91.6	91.6	91.8	91.8	92.0	92.1
IV 500	36.0	65.2	73.9	80.0	84.1	85.3	87.8	90.3	90.7	92.2	92.9	93.0	93.2	93.2	93.3	93.4
IV 400	36.0	65.2	74.0	80.2	84.4	85.6	88.2	90.9	91.3	93.1	93.8	94.0	94.4	94.4	94.5	94.7
IV 300	36.0	65.2	74.1	80.2	84.5	85.9	88.5	91.3	91.7	93.8	94.5	94.7	95.2	95.2	95.4	95.5
IV 200	36.0	65.2	74.1	80.2	84.6	85.9	88.7	91.6	92.0	94.4	95.4	95.6	96.4	96.5	96.9	97.2
IV 100	36.0	65.2	74.1	80.2	84.6	85.9	88.7	91.6	92.2	94.8	95.9	96.1	97.0	97.2	97.9	98.4
IV 0	36.0	65.2	74.1	80.2	84.6	85.9	88.7	91.6	92.2	94.8	95.9	96.2	97.3	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2830

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/KANTOUL  
STATION NAME

77-64  
YEARS

YEARS

1 MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	22.3	37.3	40.1	42.3	43.6	44.4	44.9	45.1	45.1	45.2	45.2	45.2	45.3	45.3	45.3	45.5
≥2000	22.7	41.4	44.6	46.6	48.3	48.7	49.4	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	50.2
IV 18000	23.9	41.7	44.5	46.9	48.7	49.3	49.9	50.2	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.8
IV 16000	24.0	42.0	44.9	47.3	49.1	49.7	50.2	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7
IV 14000	24.2	42.5	45.0	48.2	50.0	50.7	51.3	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	52.0
IV 12000	24.9	44.1	47.3	50.1	52.0	52.7	53.2	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	54.0
IV 10000	25.9	46.4	49.6	52.5	54.5	55.1	55.7	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.9
IV 9000	26.3	47.2	50.9	53.4	55.4	56.1	56.7	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.5
IV 8000	27.3	49.9	53.5	56.4	58.5	59.2	59.8	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.6
IV 7000	28.7	51.3	55.1	58.3	60.9	61.2	61.9	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.6
IV 6000	29.6	52.7	56.6	60.1	62.9	63.3	63.9	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.7
IV 5000	29.7	54.1	58.3	61.9	64.4	65.2	65.9	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.7
IV 4500	29.9	54.7	59.0	62.7	65.2	65.9	66.7	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.4
IV 4000	30.7	56.6	61.2	65.1	67.8	68.6	69.4	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	70.2
IV 3500	31.1	58.1	63.1	67.2	69.9	70.6	71.5	71.8	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.3
IV 3000	31.9	59.9	65.4	69.7	72.2	73.3	74.2	74.6	74.6	74.8	74.8	74.8	74.9	74.9	74.9	75.2
IV 2500	32.4	62.2	67.9	72.4	75.5	76.2	77.2	77.5	77.5	77.7	77.7	77.7	77.8	77.8	77.8	78.1
IV 2000	33.0	64.4	70.2	75.1	78.4	79.2	80.4	80.8	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.4
IV 1800	33.1	64.8	70.8	75.8	79.4	80.1	81.3	81.8	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.5
IV 1500	33.5	65.8	72.0	77.3	81.1	81.9	83.1	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.4
IV 1200	33.7	66.9	73.5	79.3	83.2	84.1	85.4	86.1	86.2	86.4	86.5	86.5	86.6	86.6	86.6	86.8
IV 1000	33.7	67.2	74.1	80.1	84.5	85.4	87.0	87.8	87.9	88.4	88.4	88.4	88.6	88.6	88.6	88.8
IV 900	33.8	67.5	74.4	80.4	84.8	85.6	87.6	88.4	88.5	89.0	89.1	89.1	89.2	89.2	89.2	89.5
IV 800	33.9	67.7	74.7	80.9	85.2	86.3	88.4	89.3	89.4	89.9	90.2	90.2	90.3	90.3	90.3	90.5
IV 700	33.9	67.8	74.8	81.1	85.8	86.9	89.2	90.2	90.3	90.8	91.1	91.1	91.2	91.2	91.2	91.5
IV 600	33.9	68.0	75.1	81.5	86.5	87.8	90.5	91.7	91.7	92.4	92.6	92.6	92.8	92.8	92.8	93.1
IV 500	33.9	68.1	75.2	82.0	87.1	88.4	91.4	92.7	92.8	93.6	93.9	94.0	94.2	94.2	94.2	94.5
IV 400	33.9	68.2	75.3	82.2	87.5	88.8	92.2	93.6	93.9	94.9	95.4	95.5	95.7	95.7	95.7	96.0
IV 300	33.9	68.2	75.4	82.2	87.6	89.0	92.5	94.0	94.4	96.1	96.8	96.8	97.2	97.2	97.2	97.4
IV 200	33.9	68.2	75.4	82.2	87.7	89.1	92.6	94.2	94.6	96.4	97.2	97.3	97.9	97.9	98.1	98.4
IV 100	33.9	68.2	75.4	82.2	87.7	89.1	92.6	94.3	94.7	96.5	97.3	97.4	98.1	98.4	98.5	99.1
IV 0	33.9	68.2	75.4	82.2	87.7	89.1	92.6	94.3	94.7	96.5	97.4	97.5	98.2	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2361

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

1-806 STATION CHARLOTTE AFB ILLINOIS/RANL111

7-64 YEARS

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	>1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0	
NO CEILING	17.9	34.3	37.5	40.7	42.2	42.6	43.7	44.4	44.4	44.4	44.6	44.7	44.7	44.9	44.9	45.0	45.2
≥ 20000	19.0	37.1	41.1	43.9	45.2	46.7	47.9	48.7	48.7	48.7	48.9	49.0	49.0	49.2	49.2	49.3	49.5
IV 18000	19.3	37.4	41.4	44.2	46.6	47.0	48.3	49.1	49.1	49.3	49.4	49.4	49.4	49.6	49.6	49.7	49.9
IV 16000	19.3	37.7	41.6	44.6	46.9	47.3	48.6	49.4	49.4	49.6	49.7	49.7	49.7	49.9	49.9	50.0	50.2
IV 14000	19.5	38.0	42.2	45.1	47.5	47.9	49.2	50.0	50.0	50.2	50.3	50.3	50.3	50.5	50.5	50.6	50.8
IV 12000	20.1	39.4	43.8	47.7	49.2	49.9	51.1	52.0	52.0	52.2	52.3	52.3	52.3	52.5	52.5	52.5	52.7
IV 10000	20.8	41.1	45.6	49.1	51.6	52.0	53.3	54.1	54.1	54.3	54.4	54.4	54.4	54.6	54.6	54.6	54.8
IV 9000	21.1	41.8	46.5	50.1	52.6	53.0	54.3	55.2	55.2	55.4	55.4	55.4	55.4	55.6	55.6	55.7	55.9
IV 8000	22.2	44.0	49.1	52.4	55.6	56.0	57.3	58.2	58.2	58.4	58.4	58.4	58.4	58.6	58.6	58.7	58.9
IV 7000	23.2	46.1	51.3	55.3	53.2	57.6	60.0	60.8	60.8	61.0	61.1	61.1	61.1	61.3	61.3	61.4	61.6
IV 6000	23.7	47.6	52.5	57.0	60.2	60.7	62.0	62.9	62.9	63.1	63.1	63.1	63.1	63.3	63.3	63.4	63.6
IV 5000	24.5	49.4	54.9	54.2	62.5	63.1	64.6	65.4	65.4	65.4	65.4	65.4	65.4	65.9	65.9	66.0	66.2
IV 4500	24.7	50.1	55.9	60.3	63.7	64.2	65.8	66.7	66.7	66.9	66.9	66.9	66.9	67.1	67.1	67.3	67.5
IV 4000	25.7	51.7	57.7	62.2	65.7	66.2	67.9	68.7	68.7	68.9	68.9	68.9	68.9	69.2	69.2	69.3	69.5
IV 3500	25.6	53.2	59.5	64.1	67.7	68.1	69.8	70.6	70.6	70.9	71.0	71.0	71.0	71.2	71.2	71.3	71.5
IV 3000	26.2	54.6	61.2	66.3	70.0	70.5	72.2	73.0	73.0	73.3	73.4	73.4	73.4	73.6	73.6	73.7	74.0
IV 2500	26.9	56.3	63.0	68.2	72.3	72.8	74.0	75.6	75.6	75.8	75.9	75.9	75.9	76.1	76.1	76.3	76.5
IV 2000	27.6	58.9	66.0	71.4	75.8	76.3	78.3	79.3	79.4	79.6	79.8	79.8	79.8	80.0	80.0	80.1	80.3
IV 1800	27.9	59.4	66.7	72.2	76.6	77.1	79.2	80.3	80.3	80.6	80.7	80.7	80.7	80.9	80.9	81.1	81.3
IV 1500	28.2	60.5	67.9	73.7	78.5	79.0	81.1	82.4	82.4	82.6	82.8	82.8	82.8	83.0	83.0	83.1	83.4
IV 1200	28.3	61.4	69.0	75.3	80.2	80.8	83.2	84.6	84.6	84.8	85.0	85.0	85.0	85.2	85.2	85.3	85.6
IV 1000	28.3	61.9	69.6	76.2	81.3	82.0	84.6	86.1	86.2	86.6	86.9	86.9	86.9	87.2	87.2	87.3	87.5
IV 900	28.4	62.1	70.0	76.7	82.0	82.6	85.4	87.0	87.1	87.6	87.8	87.8	87.8	88.1	88.1	88.2	88.4
IV 800	28.4	62.2	70.3	77.2	82.6	83.4	86.3	87.9	88.0	88.5	88.8	88.8	88.8	89.0	89.0	89.1	89.3
IV 700	28.4	62.3	70.5	77.3	83.0	83.8	86.0	88.4	88.6	89.1	89.4	89.4	89.4	89.7	89.7	89.8	90.0
IV 600	28.4	62.3	70.6	77.9	83.6	84.5	87.9	89.6	89.9	90.4	90.7	90.7	90.7	90.9	90.9	91.1	91.3
IV 500	28.4	62.4	70.7	78.2	84.2	85.2	88.9	90.7	91.0	91.9	92.3	92.3	92.3	92.7	92.7	92.8	93.0
IV 400	28.4	62.4	70.8	78.5	84.6	85.9	89.9	91.9	92.3	93.3	93.9	93.9	93.9	94.3	94.3	94.4	94.6
IV 300	28.4	62.4	70.8	78.5	84.7	86.1	90.3	92.4	92.7	94.2	95.5	95.5	95.5	95.9	95.9	96.1	96.3
IV 200	28.4	62.4	70.8	78.5	84.7	86.1	90.4	92.7	93.1	94.3	96.4	96.5	96.5	97.3	97.5	97.7	97.9
IV 100	28.4	62.4	70.8	78.5	84.7	86.1	90.5	92.8	93.2	95.0	96.6	96.8	96.8	97.7	97.9	98.2	98.4
IV 0	28.4	62.4	70.8	78.5	84.7	86.1	90.5	92.8	93.2	95.0	96.6	96.8	96.8	97.7	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS

2507

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHANDLER AIR ILLINOIS/RAVENS  
STATION NAME

17-70  
YEARS

YEARS

1 AR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	13.2	27.8	31.9	35.6	38.4	39.2	40.2	40.9	41.0	41.3	41.9	41.5	41.6	41.7	41.0	42.0
≥ 20000	14.9	31.0	30.5	40.4	43.5	44.4	45.7	46.5	46.6	46.9	47.2	47.2	47.3	47.3	47.5	47.7
≥ 18000	15.0	32.0	30.7	40.7	43.8	44.7	46.0	46.7	46.9	47.2	47.4	47.4	47.5	47.6	47.7	48.0
≥ 16000	15.1	32.1	30.8	40.9	43.9	44.8	46.1	46.9	47.0	47.4	47.6	47.6	47.7	47.7	47.9	48.1
≥ 14000	15.5	33.0	37.8	41.9	45.1	46.0	47.3	48.1	48.2	48.5	48.8	48.8	48.9	48.9	49.1	49.3
≥ 12000	16.0	34.2	39.1	43.4	46.7	47.6	48.9	49.4	49.9	50.3	50.5	50.5	50.6	50.7	50.3	51.1
≥ 10000	17.0	36.2	41.3	45.7	49.1	50.1	51.4	52.2	52.4	52.8	53.0	53.0	53.1	53.2	53.3	53.6
≥ 9000	17.2	36.5	42.1	45.5	50.0	50.9	52.2	53.2	53.3	53.8	54.0	54.0	54.1	54.1	54.3	54.5
≥ 8000	18.1	38.4	44.4	49.1	52.0	53.8	55.3	56.4	56.5	57.0	57.2	57.2	57.3	57.4	57.9	57.7
≥ 7000	18.9	40.2	46.4	51.4	55.2	56.2	57.8	59.0	59.2	59.6	59.8	59.9	60.0	60.0	60.0	60.4
≥ 6000	19.3	41.9	48.4	53.4	57.5	58.6	60.2	61.5	61.6	62.1	62.3	62.3	62.4	62.5	62.6	62.9
≥ 5000	19.9	43.0	49.9	55.3	59.5	60.4	62.5	63.7	63.9	64.4	64.6	64.7	64.8	64.8	65.0	65.2
≥ 4500	20.0	43.4	50.4	55.3	60.1	61.3	63.1	64.4	64.6	65.1	65.4	65.4	65.5	65.6	65.8	66.0
≥ 4000	20.3	44.7	52.0	57.5	61.3	63.1	64.9	66.3	66.5	67.0	67.3	67.4	67.4	67.5	67.7	67.9
≥ 3500	20.7	45.5	53.0	58.5	63.0	64.3	66.2	67.6	67.8	68.3	68.6	68.6	68.7	68.8	69.0	69.2
≥ 3000	21.1	46.8	54.5	60.3	64.8	66.3	68.2	69.7	69.9	70.6	70.9	70.9	71.0	71.1	71.3	71.5
≥ 2500	21.6	48.3	56.3	62.3	67.1	68.6	70.6	72.2	72.4	73.2	73.5	73.5	73.6	73.7	73.9	74.1
≥ 2000	22.4	50.3	58.4	64.8	70.0	71.5	73.7	75.4	75.6	76.5	76.8	76.9	77.0	77.0	77.3	77.5
≥ 1800	22.5	50.7	58.9	65.3	70.6	72.1	74.4	76.1	76.4	77.2	77.6	77.6	77.8	77.8	78.0	78.2
≥ 1500	23.1	51.7	60.1	66.8	72.5	74.1	76.6	78.4	78.6	79.6	80.0	80.1	80.2	80.2	80.3	80.7
≥ 1200	23.4	52.0	61.3	68.2	74.1	75.8	78.6	80.6	80.8	81.9	82.4	82.4	82.6	82.6	82.9	83.1
≥ 1000	23.6	53.2	62.0	69.3	75.5	77.3	80.4	82.6	83.0	84.3	84.8	84.8	85.0	85.0	85.3	85.5
≥ 900	23.6	53.5	62.3	69.7	76.0	77.9	80.9	83.2	83.7	85.1	85.6	85.7	85.8	85.9	86.1	86.4
≥ 800	23.7	53.8	62.8	70.4	76.9	78.7	82.0	84.6	85.1	86.7	87.3	87.4	87.6	87.6	87.9	88.1
≥ 700	23.7	53.9	62.9	70.5	77.1	79.0	82.5	85.1	85.6	87.3	88.2	88.2	88.5	88.5	88.6	89.1
≥ 600	23.8	54.3	63.2	71.1	77.9	80.0	83.6	86.4	86.9	88.9	89.8	89.8	90.1	90.2	90.3	90.7
≥ 500	23.8	54.3	63.4	71.4	78.3	80.8	84.7	87.8	88.4	90.6	91.7	91.7	92.2	92.3	92.6	92.8
≥ 400	23.8	54.4	63.5	71.6	78.7	81.3	85.3	88.6	89.3	91.7	92.8	93.0	93.7	93.8	94.1	94.4
≥ 300	23.8	54.4	63.6	71.7	78.8	81.5	85.6	89.2	90.0	92.6	94.4	94.7	95.6	95.7	96.0	96.4
≥ 200	23.8	54.4	63.6	71.7	78.8	81.5	85.7	89.4	90.2	92.9	94.9	95.3	96.4	96.6	97.1	97.5
≥ 100	23.8	54.4	63.6	71.7	78.8	81.5	85.8	89.4	90.2	93.1	95.1	95.5	96.7	97.0	97.7	98.2
0	23.8	54.4	63.6	71.7	78.8	81.5	85.8	89.4	90.2	93.1	95.1	95.5	96.8	97.1	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS

3034

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

QUINCY AFB ILLINOIS/RAVENSOL  
STATION NAME

57-70  
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5.10	≥¼	≥0
NO CEILING	22.7	34.4	38.6	37.4	38.5	38.9	37.1	39.3	39.3	39.3	39.3	39.3	39.3	39.4	39.4	39.4
≥ 20000	25.0	39.7	42.7	44.3	45.2	45.6	40.0	45.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 18000	20.1	40.3	43.2	44.7	45.7	46.1	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.8
IV 16000	26.2	30.4	33.4	44.9	45.9	46.3	46.6	46.8	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0
IV 14000	20.5	41.1	44.0	45.5	46.5	46.9	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6
IV 12000	27.2	42.4	45.4	47.0	47.9	48.4	48.7	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0
IV 10000	28.5	34.9	48.0	49.7	50.0	51.0	51.4	51.7	51.7	51.6	51.8	51.8	51.8	51.8	51.8	51.8
IV 9000	29.0	45.3	49.1	50.7	51.7	52.2	52.6	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 8000	30.2	37.7	51.1	53.0	54.1	54.7	55.1	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 7000	31.1	48.4	53.0	53.0	53.1	53.7	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6
IV 6000	31.5	58.4	54.1	56.3	57.4	58.1	58.5	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 5000	32.1	51.8	55.8	58.0	57.3	58.5	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4500	32.4	52.5	56.5	58.7	60.1	60.8	61.3	61.6	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9
IV 4000	32.6	53.5	57.6	60.2	61.7	62.4	62.9	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 3500	33.1	54.7	59.1	61.6	63.2	63.9	64.5	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 3000	34.4	56.9	61.4	64.1	65.8	66.7	67.3	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2500	35.7	59.7	64.7	67.6	69.5	70.4	71.1	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 2000	36.9	62.3	67.9	70.7	72.9	73.9	74.7	75.2	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 1800	37.1	63.1	68.4	71.6	73.9	74.9	75.8	76.3	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7
IV 1500	37.8	64.7	70.4	74.1	76.6	77.7	78.6	79.2	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1200	38.2	66.0	72.8	76.8	79.8	80.9	82.1	82.7	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 1000	38.3	67.3	73.9	78.3	81.7	83.1	84.4	85.3	85.5	85.1	86.2	86.2	86.4	86.4	86.4	86.4
IV 900	38.4	67.7	74.6	79.4	83.6	85.3	86.8	87.9	88.2	89.1	89.3	89.3	89.4	89.5	89.5	89.5
IV 800	38.5	68.0	75.0	80.0	84.5	86.3	88.0	89.4	89.7	90.6	90.9	90.7	91.1	91.2	91.3	91.3
IV 700	38.5	68.2	75.5	80.7	85.4	87.3	89.2	90.7	91.0	92.0	92.3	92.4	92.7	92.8	92.9	92.9
IV 600	38.5	68.3	75.7	81.1	86.0	88.2	90.3	92.2	92.6	93.9	94.4	94.5	94.7	94.8	95.0	95.0
IV 500	38.5	68.3	75.8	81.3	86.2	88.4	90.9	93.1	93.7	95.3	96.0	96.1	96.3	96.4	96.6	96.6
IV 400	38.5	68.3	75.8	81.3	86.3	88.5	91.0	93.4	94.2	96.1	96.9	97.1	97.4	97.5	97.8	97.7
IV 300	38.5	68.3	75.8	81.3	86.3	88.5	91.1	93.5	94.3	96.5	97.4	97.7	98.2	98.4	98.5	98.5
IV 200	38.5	68.3	75.8	81.3	86.3	88.5	91.1	93.5	94.3	96.5	97.4	97.7	98.2	98.4	98.5	98.5
IV 100	38.5	68.3	75.8	81.3	86.3	88.5	91.1	93.5	94.3	96.5	97.4	97.7	98.2	98.4	98.5	98.5
IV 0	38.5	68.3	75.8	81.3	86.3	88.5	91.1	93.5	94.3	96.5	97.4	97.7	98.2	98.4	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

3106

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAA

# CEILING VERSUS VISIBILITY

14806  
 STATION

CRANFIE AFB ILL VIS/RA/TD/L

STATION NAME

57-70

YEARS

PAR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS FT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	26.6	33.9	34.4	34.7	34.7	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000	30.9	40.3	41.4	41.3	42.2	42.4	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 18000	31.3	40.7	41.6	42.3	42.7	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 16000	31.3	41.0	42.1	42.6	42.9	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 14000	31.6	41.5	42.6	43.2	43.5	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 12000	33.0	43.2	44.5	45.0	45.4	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 10000	34.6	45.6	46.8	47.3	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 9000	34.9	45.8	47.2	47.8	48.3	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 8000	36.1	48.2	49.6	50.3	50.8	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 7000	36.7	49.4	50.9	51.8	52.3	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 6000	37.3	50.7	52.4	53.3	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 5000	38.6	52.2	54.2	55.2	55.6	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 4500	38.5	53.0	55.1	56.1	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 4000	39.4	54.7	57.0	58.1	58.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 3500	40.4	56.3	58.5	59.8	60.5	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 3000	43.3	60.5	63.0	64.4	65.3	65.6	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 2500	42.7	65.1	67.7	69.3	70.2	70.5	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 2000	47.5	69.3	72.8	74.9	76.0	76.3	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1800	47.8	70.2	73.7	76.0	77.2	77.5	78.0	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 1500	46.7	73.0	76.7	79.5	81.0	81.3	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1200	48.8	74.7	78.8	82.0	83.8	84.2	85.0	85.5	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.8
IV 1000	48.8	75.5	80.0	83.7	86.3	86.8	87.7	88.4	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8
IV 900	48.8	75.8	80.3	84.3	87.0	87.6	88.6	89.4	89.5	89.8	89.9	89.9	90.0	90.0	90.0	90.0
IV 800	48.8	75.9	80.7	84.8	87.7	88.5	89.7	90.7	90.8	91.2	91.4	91.4	91.5	91.5	91.5	91.5
IV 700	46.9	76.1	80.9	85.1	88.4	89.3	90.8	91.9	92.1	92.7	92.9	93.0	93.1	93.1	93.1	93.1
IV 600	49.0	76.3	81.2	85.5	88.9	89.9	91.5	92.8	92.9	93.7	94.0	94.1	94.2	94.2	94.3	94.3
IV 500	49.0	76.3	81.4	85.2	89.6	90.8	92.6	94.1	94.2	95.4	95.9	96.0	96.2	96.3	96.4	96.4
IV 400	49.0	76.4	81.5	85.7	89.8	91.0	92.9	94.9	95.1	96.3	97.2	97.4	97.6	97.7	97.8	97.8
IV 300	49.0	76.4	81.5	85.9	89.9	91.1	93.1	95.3	95.6	97.2	98.0	98.2	98.5	98.6	98.7	98.8
IV 200	49.0	76.4	81.5	85.9	89.9	91.1	93.2	95.3	95.6	97.4	98.5	98.7	99.1	99.3	99.5	99.7
IV 100	49.0	76.4	81.5	85.9	89.9	91.1	93.2	95.3	95.6	97.4	98.5	98.7	99.3	99.5	99.7	99.7
IV 0	49.0	76.4	81.5	85.9	89.9	91.1	93.2	95.3	95.6	97.4	98.5	98.7	99.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

3154

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RAITLVA  
STATION NAME

37-70  
YEARS

YEARS

AR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥5/16	¼	≥0
NO CEILING	27.2	33.7	34.3	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 20000	23.3	42.2	43.1	43.4	43.5	43.7	43.3	43.8	43.8	43.8	43.8	43.7	43.8	43.8	43.8	43.8
IV 18000	33.5	42.6	43.6	43.7	44.0	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 16000	33.6	42.9	43.8	44.1	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000	34.3	43.7	44.3	45.0	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 12000	35.6	45.5	46.6	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 10000	37.3	47.9	49.0	49.4	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 9000	37.8	48.7	49.8	50.3	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 8000	38.6	50.3	51.4	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 7000	39.2	51.7	53.1	53.6	53.7	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 6000	40.1	53.9	55.1	55.9	56.2	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 5000	41.0	56.0	57.5	58.3	58.7	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4500	41.7	57.0	58.5	59.3	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 4000	43.1	59.3	61.0	62.0	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3500	44.7	61.4	63.2	64.3	65.0	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 3000	46.8	65.4	67.6	68.8	69.6	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 2500	48.3	69.3	71.7	73.2	74.1	74.6	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2000	49.8	72.6	75.5	77.6	78.7	79.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 1800	49.9	73.3	76.4	78.6	79.8	80.3	80.9	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	50.2	75.0	78.2	80.7	82.2	82.7	83.5	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1200	50.3	76.0	79.9	82.4	84.3	84.9	85.7	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	50.3	76.7	81.0	83.9	86.3	86.9	88.0	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 900	50.3	76.9	81.3	84.5	87.0	87.7	88.8	89.8	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4
IV 800	50.3	77.0	81.6	85.0	87.6	88.4	89.8	90.9	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	50.3	77.1	81.8	85.3	88.2	89.1	90.6	91.8	91.9	92.5	92.8	92.9	93.0	93.1	93.1	93.1
IV 600	50.4	77.3	82.1	85.5	88.4	89.6	91.5	92.8	92.9	93.9	94.3	94.4	94.6	94.6	94.7	94.7
IV 500	50.4	77.5	82.3	85.8	89.1	90.3	92.3	93.9	94.1	94.3	95.9	96.0	96.3	96.3	96.3	96.4
IV 400	50.4	77.5	82.4	85.9	89.3	90.4	92.7	94.5	94.7	96.0	96.8	96.9	97.3	97.4	97.6	97.6
IV 300	50.4	77.5	82.4	85.9	89.4	90.6	92.9	95.0	95.4	97.0	98.1	98.2	98.6	98.7	98.9	98.9
IV 200	50.4	77.5	82.4	85.9	89.4	90.6	93.0	95.1	95.4	97.3	98.4	98.5	99.1	99.2	99.3	99.4
IV 100	50.4	77.5	82.4	85.9	89.4	90.6	93.0	95.1	95.4	97.3	98.4	98.5	99.1	99.3	99.3	99.4
IV 0	50.4	77.5	82.4	85.9	89.4	90.6	93.0	95.1	95.4	97.3	98.4	98.5	99.1	99.3	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS

3142

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHICAGO AMB ILLINOIS/RAH/DL

37-70

YEARS

MARK MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	28.0	36.7	38.7	39.7	40.3	40.4	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0
IV 20000	27.9	42.9	45.2	46.3	47.2	47.4	47.7	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1
IV 18000	30.1	43.3	45.7	47.0	47.7	47.9	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
IV 16000	30.2	43.5	45.9	47.2	47.9	48.1	48.4	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8
IV 14000	30.7	44.0	46.6	47.9	48.7	48.9	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6
IV 12000	31.8	45.7	48.4	49.9	50.3	50.9	51.2	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	33.3	47.7	50.4	52.0	52.8	53.0	53.3	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
IV 9000	33.9	48.4	51.1	53.4	54.3	54.5	54.8	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 8000	35.1	50.9	53.3	55.6	56.2	56.7	57.0	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 7000	35.7	52.5	55.5	57.3	58.3	58.5	58.9	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 6000	36.4	53.4	57.1	59.0	60.1	60.3	60.7	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3
IV 5000	37.4	56.0	59.6	61.6	62.8	63.1	63.5	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.2
IV 4500	37.9	57.2	61.0	63.1	64.5	64.8	65.1	65.5	65.5	65.7	65.7	65.7	65.8	65.8	65.8	65.8
IV 4000	39.1	59.7	63.0	66.2	67.7	68.0	68.5	69.0	69.0	69.2	69.2	69.2	69.3	69.3	69.3	69.3
IV 3500	40.0	61.2	65.0	68.1	69.8	70.2	70.8	71.3	71.3	71.5	71.5	71.6	71.7	71.7	71.7	71.7
IV 3000	41.2	64.0	68.5	71.3	73.2	73.6	74.4	74.9	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.4
IV 2500	42.3	66.8	71.0	74.5	76.9	77.3	78.3	78.9	78.9	79.2	79.2	79.2	79.3	79.3	79.3	79.4
IV 2000	43.2	69.3	75.0	78.5	80.8	81.3	82.3	83.7	83.3	83.5	83.6	83.6	83.7	83.7	83.7	83.7
IV 1800	43.4	69.9	75.6	79.1	81.3	82.0	83.2	84.0	84.1	84.4	84.4	84.4	84.5	84.5	84.5	84.6
IV 1500	43.5	70.8	76.5	80.7	83.4	83.9	85.4	85.2	86.4	86.7	86.8	86.8	86.9	86.9	86.9	86.9
IV 1200	43.6	71.4	77.8	81.8	84.7	85.3	86.9	87.9	88.1	88.5	88.6	88.6	88.7	88.7	88.7	88.8
IV 1000	43.7	71.9	78.6	82.7	85.9	86.6	88.3	89.4	89.7	90.2	90.4	90.4	90.5	90.5	90.5	90.8
IV 900	43.7	72.1	78.8	83.0	86.5	87.1	89.0	90.2	90.4	91.1	91.3	91.3	91.4	91.4	91.4	91.4
IV 800	43.7	72.2	79.0	83.2	86.9	87.6	89.6	90.8	91.1	91.9	92.2	92.2	92.3	92.3	92.3	92.4
IV 700	43.7	72.4	79.2	83.7	87.5	88.2	90.3	91.6	91.6	92.4	92.7	92.7	92.8	92.8	92.8	93.4
IV 600	43.7	72.4	79.4	83.9	87.7	88.5	90.8	92.3	92.6	93.6	94.0	94.0	94.3	94.3	94.3	94.4
IV 500	43.7	72.6	79.5	84.2	88.3	89.2	91.7	93.3	93.6	95.0	95.6	95.6	95.9	95.9	95.9	96.0
IV 400	43.7	72.6	79.5	84.2	88.4	89.3	91.9	93.6	94.0	95.6	96.3	96.3	96.6	96.6	96.7	96.7
IV 300	43.7	72.6	79.5	84.3	88.5	89.4	92.1	94.0	94.4	96.2	97.1	97.2	97.5	97.6	97.6	97.7
IV 200	43.7	72.6	79.5	84.3	88.5	89.5	92.2	94.3	94.8	96.9	97.9	98.1	98.4	98.5	98.6	98.6
IV 100	43.7	72.6	79.5	84.3	88.5	89.5	92.2	94.3	94.9	97.0	98.1	98.3	98.9	98.9	99.2	99.4
IV 0	43.7	72.6	79.5	84.3	88.5	89.5	92.2	94.3	94.9	97.0	98.1	98.4	99.0	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

3134

USAF ETAC TOPM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1980  
 STATION

CHICAGO AND ILLINOIS/KANTOLA  
 STATION NAME

47-70  
 YEARS

YEARS

1980  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	26.3	41.6	43.6	45.4	46.0	44.4	46.8	46.9	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.2
≥ 20000	30.9	45.3	47.7	49.8	50.6	51.0	51.4	51.6	51.6	51.3	51.8	51.9	51.9	51.9	51.9	51.9
IV 18000	30.4	45.4	47.6	50.0	50.6	51.2	51.6	51.7	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.1
IV 16000	30.9	45.5	47.9	50.1	51.0	51.4	51.7	51.9	51.9	52.1	52.1	52.1	52.2	52.2	52.2	52.2
IV 14000	30.7	46.0	48.4	50.7	51.0	52.0	52.4	52.5	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9
IV 12000	31.3	47.1	49.7	52.1	53.0	53.4	53.8	54.0	54.0	54.2	54.2	54.2	54.3	54.3	54.3	54.4
IV 10000	32.8	49.3	51.9	54.7	55.2	55.6	56.0	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.6
IV 9000	33.2	50.1	52.8	55.2	56.1	56.6	56.9	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.5
IV 8000	34.4	51.9	54.6	57.4	58.3	58.8	59.2	59.3	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.8
IV 7000	34.9	53.0	55.1	58.9	59.9	60.4	60.7	61.0	61.0	61.3	61.3	61.3	61.4	61.4	61.4	61.5
IV 6000	35.8	54.5	57.9	60.7	62.1	62.3	63.0	63.2	63.3	63.6	63.6	63.7	63.7	63.7	63.7	63.8
IV 5000	36.7	57.1	60.7	64.1	65.5	66.0	66.4	66.7	66.8	67.1	67.2	67.2	67.3	67.3	67.3	67.4
IV 4500	37.2	58.1	61.9	65.3	66.7	67.2	67.7	68.0	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.7
IV 4000	37.7	59.5	63.4	67.2	68.7	69.2	69.8	70.1	70.2	70.6	70.6	70.7	70.8	70.8	70.8	70.9
IV 3500	38.4	61.1	65.4	69.1	70.7	71.2	71.8	72.1	72.2	72.6	72.7	72.7	72.8	72.8	72.9	73.0
IV 3000	39.5	63.3	67.8	71.9	73.6	74.2	75.0	75.4	75.5	76.0	76.0	76.0	76.1	76.2	76.2	76.3
IV 2500	40.5	66.2	71.0	75.4	77.4	78.0	78.9	79.3	79.4	79.9	80.0	80.0	80.1	80.2	80.2	80.3
IV 2000	41.3	68.6	73.6	78.3	80.6	81.2	82.3	82.7	82.8	83.4	83.5	83.5	83.6	83.6	83.7	83.8
IV 1800	41.4	69.2	74.2	79.0	81.3	81.9	83.0	83.5	83.6	84.1	84.2	84.2	84.3	84.3	84.4	84.5
IV 1500	41.5	70.0	75.2	80.1	82.5	83.3	84.5	85.0	85.1	85.6	85.7	85.7	85.8	85.9	85.9	86.0
IV 1200	41.6	71.1	76.7	81.8	84.3	85.1	86.5	87.0	87.2	87.9	88.0	88.0	88.1	88.1	88.2	88.3
IV 1000	41.7	71.6	77.5	82.8	85.7	86.6	88.2	88.8	88.9	89.6	89.8	89.8	89.9	89.9	90.0	90.1
IV 900	41.7	71.8	77.9	83.2	86.2	87.2	88.9	89.5	89.7	90.4	90.6	90.6	90.7	90.8	90.8	90.9
IV 800	41.7	72.1	78.3	83.7	86.8	87.8	89.7	90.3	90.5	91.3	91.4	91.5	91.6	91.7	91.7	91.8
IV 700	41.7	72.3	78.6	84.3	87.5	88.5	90.4	91.2	91.4	92.3	92.4	92.5	92.6	92.6	92.7	92.8
IV 600	41.8	72.5	78.9	84.7	88.1	89.3	91.3	92.3	92.6	93.6	93.7	93.7	93.8	93.8	94.1	94.3
IV 500	41.8	72.6	79.1	85.0	88.6	89.8	92.0	93.1	93.5	94.6	94.9	95.0	95.1	95.2	95.2	95.3
IV 400	41.8	72.8	79.2	85.3	88.9	90.2	92.5	93.7	94.2	95.5	95.9	96.0	96.1	96.2	96.2	96.3
IV 300	41.8	72.8	79.3	85.4	89.1	90.4	92.9	94.2	94.7	96.3	96.7	96.8	97.0	97.0	97.1	97.1
IV 200	41.8	72.8	79.3	85.4	89.2	90.5	93.1	94.6	95.1	96.9	97.3	97.4	97.6	97.7	97.8	97.9
IV 100	41.8	72.8	79.3	85.4	89.2	90.5	93.2	94.6	95.1	97.0	97.4	97.5	97.7	97.8	97.9	98.0
IV 0	41.8	72.8	79.3	85.4	89.2	90.5	93.2	94.6	95.1	97.0	97.7	98.0	98.7	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

3150

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICES/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHAMPAIGN ILLINOIS/AMTLOK

57-52

LEADS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0060-0200  
GROUP

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	32.1	43.2	47.2	49.3	50.0	50.1	50.2	50.2	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.7
IV 18000 16000	35.1	49.8	52.0	54.6	55.4	55.5	55.7	55.7	55.7	55.9	55.9	55.9	55.9	56.0	56.1	56.1
IV 14000 12000	35.7	50.5	53.0	55.7	56.6	56.6	56.8	56.8	56.8	57.0	57.1	57.1	57.1	57.2	57.2	57.3
IV 10000 9000	36.5	51.5	54.4	57.2	58.1	58.2	58.3	58.3	58.4	58.5	58.6	58.6	58.6	58.7	58.8	58.8
IV 8000 7000	38.6	53.0	57.0	60.4	61.3	61.4	61.6	61.6	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.0
IV 6000 5000	39.1	56.2	58.8	61.7	62.7	62.8	62.9	62.9	63.0	63.1	63.2	63.2	63.2	63.3	63.3	63.4
IV 4500 4000	41.0	59.2	61.5	64.3	65.4	65.4	65.9	65.9	66.1	66.1	66.2	66.3	66.4	66.4	66.5	66.6
IV 3500 3000	41.7	61.2	64.3	67.2	68.3	68.5	68.6	68.6	68.7	68.8	68.9	68.9	69.0	69.0	69.1	69.1
IV 2500 2000	42.0	63.0	66.3	69.3	70.5	70.6	70.6	70.8	70.8	71.0	71.0	71.0	71.1	71.1	71.2	71.2
IV 1800 1500	44.0	65.8	69.4	72.5	73.8	74.0	74.2	74.2	74.3	74.4	74.5	74.5	74.6	74.6	74.7	74.7
IV 1200 1000	44.7	67.1	70.8	74.0	75.3	75.5	75.8	75.8	75.9	76.0	76.2	76.2	76.3	76.3	76.4	76.4
IV 900 800	65.3	68.6	72.4	75.6	76.9	77.2	77.5	77.6	77.6	77.8	77.9	77.9	78.0	78.2	78.2	78.2
IV 700 600	60.3	70.7	74.6	77.8	79.1	79.4	79.8	79.9	79.9	80.2	80.2	80.2	80.3	80.3	80.5	80.6
IV 500 400	60.7	72.3	76.3	79.7	81.1	81.3	81.7	81.8	81.8	82.0	82.1	82.1	82.2	82.4	82.4	82.5
IV 300 200	47.4	74.1	78.4	81.8	83.3	83.6	84.1	84.2	84.2	84.4	84.5	84.5	84.6	84.8	84.8	84.9
IV 100 0	47.6	75.6	80.2	83.8	85.4	85.8	86.3	86.5	86.5	86.7	86.8	86.8	86.9	87.1	87.1	87.2
IV 1800 1500	47.8	75.9	80.0	84.3	86.0	86.3	86.9	87.1	87.1	87.3	87.4	87.4	87.5	87.7	87.7	87.8
IV 1200 1000	48.2	76.7	81.5	85.2	87.1	87.4	88.1	88.2	88.2	88.5	88.6	88.6	88.7	88.9	88.9	88.9
IV 900 800	48.5	77.6	82.5	86.3	88.3	88.7	89.4	89.5	89.5	89.8	89.9	89.9	90.0	90.2	90.2	90.3
IV 700 600	48.6	78.3	83.3	87.3	89.4	89.8	90.6	90.8	90.9	91.1	91.2	91.2	91.3	91.4	91.5	91.6
IV 500 400	48.6	78.5	84.0	88.4	90.6	91.4	92.7	93.2	93.3	93.6	93.7	93.7	93.8	94.0	94.0	94.0
IV 300 200	48.6	78.7	84.4	89.0	91.6	92.3	93.7	94.3	94.4	94.7	94.9	94.9	95.0	95.2	95.2	95.2
IV 100 0	48.6	78.9	84.6	89.3	92.2	92.9	94.6	95.4	95.5	95.9	96.1	96.1	96.2	96.3	96.4	96.4
IV 1800 1500	48.6	79.0	84.8	89.5	92.5	93.5	95.4	96.4	96.5	97.1	97.2	97.2	97.3	97.5	97.5	97.6
IV 1200 1000	48.6	79.0	84.8	89.6	92.9	93.8	96.0	97.1	97.1	97.8	98.1	98.1	98.2	98.3	98.4	98.4
IV 900 800	48.6	79.1	85.0	89.8	93.2	94.1	96.4	97.6	97.6	98.3	98.8	98.8	99.0	99.2	99.3	99.3
IV 700 600	48.6	79.1	85.0	89.8	93.3	94.2	96.5	97.6	97.7	98.6	99.0	99.0	99.3	99.5	99.5	99.6
IV 500 400	48.6	79.1	85.0	89.8	93.3	94.2	96.5	97.6	97.7	98.6	99.0	99.0	99.3	99.5	99.5	99.6
IV 300 200	48.6	79.1	85.0	89.8	93.3	94.2	96.5	97.6	97.7	98.6	99.0	99.0	99.3	99.5	99.5	99.6
IV 100 0	48.6	79.1	85.0	89.8	93.3	94.2	96.5	97.6	97.7	98.6	99.0	99.0	99.3	99.5	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS

2417

USAF ETAC

FORM  
JUL 64

0 14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 WIP WEATHER SERVICE/NAO

# CEILING VERSUS VISIBILITY

14900  
 STATION

QUANTIC AFB ILLINOIS/KAMTDL

37-65

YEARS

DATA  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING	23.9	38.2	41.2	44.1	46.0	46.1	46.5	46.8	46.8	47.0	47.1	47.1	47.2	47.2	47.2	47.4
IV 20000	26.1	42.0	45.9	49.0	51.1	51.3	51.6	52.1	52.1	52.4	52.5	52.5	52.6	52.6	52.6	52.7
IV 18000	26.1	42.0	45.0	49.1	51.2	51.4	51.9	52.1	52.2	52.4	52.6	52.6	52.6	52.6	52.7	52.8
IV 16000	26.2	42.2	46.1	49.2	51.3	51.5	52.0	52.3	52.3	52.6	52.7	52.7	52.8	52.8	52.8	52.9
IV 14000	26.9	43.1	47.1	50.2	52.4	52.6	53.1	53.4	53.5	53.7	53.8	53.8	53.9	53.9	54.0	54.1
IV 12000	26.1	44.8	46.0	52.2	54.5	54.7	55.2	55.5	55.6	55.7	55.9	55.9	56.0	56.0	56.1	56.2
IV 10000	30.1	48.1	52.3	55.6	57.9	58.2	58.7	59.0	59.1	59.3	59.4	59.4	59.5	59.5	59.6	59.7
IV 9000	30.9	49.5	53.7	57.1	59.4	59.7	60.3	60.6	60.6	60.9	61.0	61.0	61.1	61.1	61.2	61.3
IV 8000	32.2	52.1	56.4	59.7	62.1	62.4	63.0	63.3	63.3	63.6	63.7	63.7	63.8	63.8	63.9	63.9
IV 7000	33.2	54.7	58.9	62.3	64.6	65.0	65.6	66.0	66.0	66.3	66.4	66.4	66.5	66.5	66.6	66.6
IV 6000	34.1	56.2	60.4	64.5	67.0	67.4	68.1	68.4	68.5	68.7	68.9	68.9	68.9	68.9	69.0	69.1
IV 5000	34.9	58.4	63.2	67.3	70.0	70.3	71.0	71.4	71.5	71.7	71.9	71.9	71.9	71.9	72.0	72.1
IV 4500	35.2	59.3	64.2	68.3	71.0	71.3	72.1	72.5	72.5	72.9	73.0	73.2	73.1	73.1	73.1	73.2
IV 4000	36.1	61.6	66.8	70.8	73.7	74.2	75.0	75.3	75.5	75.9	76.0	76.0	76.1	76.1	76.2	76.2
IV 3500	36.8	62.8	67.8	72.1	75.0	75.5	76.4	76.9	76.9	77.2	77.4	77.4	77.4	77.4	77.5	77.5
IV 3000	37.7	64.9	70.1	74.5	77.5	77.9	78.8	79.3	79.3	79.7	79.8	79.8	79.9	79.9	79.9	80.1
IV 2500	38.3	66.6	71.9	75.4	79.7	80.3	81.2	81.7	81.7	82.1	82.2	82.2	82.3	82.3	82.4	82.5
IV 2000	39.0	68.4	74.1	78.0	82.1	82.8	83.7	84.2	84.3	84.7	84.9	84.9	85.0	85.0	85.1	85.2
IV 1800	38.2	69.7	74.5	79.2	82.5	83.2	84.2	84.7	84.8	85.2	85.4	85.4	85.4	85.4	85.6	85.6
IV 1500	39.4	69.7	75.0	80.6	84.1	84.8	85.8	86.3	86.4	86.9	87.1	87.1	87.2	87.2	87.3	87.4
IV 1200	39.6	70.2	76.4	81.5	85.3	86.0	87.1	87.7	87.7	88.2	88.5	88.5	88.6	88.6	88.7	88.8
IV 1000	39.8	70.9	77.4	82.8	87.0	87.7	89.0	89.6	89.7	90.3	90.6	90.6	90.7	90.7	90.8	90.9
IV 900	39.9	71.1	77.8	83.5	87.7	88.5	89.7	90.3	90.5	91.0	91.4	91.4	91.5	91.5	91.6	91.7
IV 800	39.9	71.2	78.1	83.9	88.4	89.1	90.7	91.3	91.5	92.0	92.4	92.4	92.5	92.5	92.6	92.7
IV 700	39.9	71.4	78.3	84.3	88.9	89.6	91.4	92.2	92.3	92.9	93.3	93.3	93.4	93.4	93.6	93.6
IV 600	39.9	71.5	78.5	84.7	89.6	90.4	92.5	93.3	93.7	94.3	94.6	94.7	94.8	94.8	94.9	95.0
IV 500	40.0	71.7	78.8	85.0	90.3	91.2	93.6	95.1	95.3	96.1	96.5	96.6	96.7	96.7	96.9	96.9
IV 400	40.0	71.9	78.9	85.3	90.7	91.6	94.4	95.8	96.0	97.1	97.5	97.6	97.8	97.8	97.9	98.0
IV 300	40.0	71.9	79.0	85.3	90.9	91.8	94.7	95.2	96.5	97.3	98.3	98.4	98.6	98.6	98.8	98.8
IV 200	40.0	71.9	79.0	85.3	90.9	91.9	94.8	96.3	96.6	98.1	98.6	98.7	99.1	99.1	99.3	99.3
IV 100	40.0	71.9	79.0	85.3	90.9	91.8	94.8	96.3	96.6	98.2	98.7	98.8	99.2	99.3	99.5	99.7
IV 0	40.0	71.9	79.0	85.3	90.9	91.8	94.8	96.3	96.7	99.2	98.8	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2424

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHICAGO AND ILLINOIS/RAITHEUL  
STATION NAME

37-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	20.1	35.3	37.6	40.7	41.1	41.1	41.5	41.7	41.7	41.9	41.9	41.9	42.0	42.0	42.0	42.1
IV 20000	23.3	41.7	45.0	47.7	49.3	49.1	49.5	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.2	50.2
IV 18000	23.5	41.9	45.2	47.7	49.2	49.3	49.7	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.4	50.4
IV 16000	23.9	41.9	45.3	48.0	49.3	49.4	49.8	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.5	50.5
IV 14000	24.9	42.9	46.5	49.0	50.2	50.6	51.1	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.7	51.8
IV 12000	24.6	44.5	46.1	50.2	52.4	52.4	52.9	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.6	53.7
IV 10000	25.6	46.9	50.7	53.6	55.3	55.3	55.8	56.1	56.1	56.4	56.4	56.4	56.4	56.4	56.5	56.6
IV 9000	26.5	47.9	51.6	54.8	56.6	56.6	57.1	57.4	57.4	57.6	57.6	57.7	57.7	57.7	57.8	57.8
IV 8000	28.0	50.4	54.4	57.7	59.6	59.7	60.3	60.6	60.6	60.8	60.8	60.9	60.9	60.9	61.0	61.0
IV 7000	29.0	52.3	56.8	60.3	62.4	62.4	63.2	63.6	63.6	63.8	63.8	63.9	63.9	63.9	64.0	64.0
IV 6000	29.8	54.1	58.2	62.5	64.6	65.0	65.7	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.5	66.5
IV 5000	30.5	55.7	60.7	64.7	67.2	67.6	68.2	68.7	68.7	68.9	69.0	69.0	69.0	69.0	69.1	69.1
IV 4500	30.8	56.7	61.6	65.1	66.5	69.0	69.6	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.5
IV 4000	31.6	58.1	63.4	68.0	70.8	71.3	72.0	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.9	73.0
IV 3500	32.3	59.7	65.1	69.9	72.7	73.2	74.1	74.6	74.6	74.9	74.9	74.9	75.0	75.0	75.0	75.1
IV 3000	33.3	61.4	67.0	72.1	75.0	75.6	76.6	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.6	77.7
IV 2500	34.0	62.9	68.7	74.0	77.1	77.7	78.7	79.3	79.4	79.8	79.8	79.8	79.9	79.9	79.9	80.0
IV 2000	34.8	64.8	70.7	76.3	79.5	80.2	81.2	81.9	82.0	82.4	82.5	82.5	82.5	82.5	82.6	82.6
IV 1800	35.1	65.4	71.5	77.1	80.3	81.0	82.1	82.8	82.8	83.3	83.3	83.3	83.4	83.4	83.4	83.5
IV 1500	35.9	66.9	73.5	79.0	82.3	83.1	84.2	85.0	85.1	85.5	85.6	85.6	85.7	85.7	85.8	85.8
IV 1200	36.3	68.1	74.9	81.0	84.5	85.2	86.4	87.2	87.3	87.7	87.8	87.8	87.9	87.9	87.9	88.0
IV 1000	36.5	68.8	75.8	82.1	86.0	86.8	88.0	88.9	89.0	89.5	89.6	89.6	89.7	89.7	89.7	89.8
IV 900	36.7	69.1	76.2	82.6	86.6	87.4	88.8	89.8	89.7	90.2	90.3	90.3	90.4	90.4	90.5	90.6
IV 800	37.1	69.9	77.2	83.9	88.2	89.0	90.5	91.4	91.5	92.1	92.2	92.2	92.3	92.3	92.4	92.5
IV 700	37.1	70.3	77.8	84.6	89.0	89.8	91.4	92.4	92.5	93.1	93.2	93.2	93.3	93.3	93.4	93.5
IV 600	37.1	70.5	78.0	85.2	89.8	90.7	92.4	93.5	93.7	94.4	94.5	94.5	94.7	94.7	94.7	94.8
IV 500	37.1	70.6	78.2	85.4	90.2	91.1	93.2	94.6	94.8	95.8	96.0	96.2	96.4	96.4	96.5	96.5
IV 400	37.1	70.7	78.3	85.6	90.7	91.7	93.9	95.6	95.8	97.0	97.2	97.4	97.6	97.6	97.7	97.8
IV 300	37.1	70.7	78.3	85.6	90.5	91.9	94.2	96.0	96.3	97.5	98.0	98.2	98.6	98.6	98.7	98.8
IV 200	37.1	70.7	78.4	85.7	90.9	92.1	94.4	96.3	96.6	98.1	98.5	98.7	99.2	99.2	99.4	99.6
IV 100	37.1	70.7	78.4	85.7	90.9	92.1	94.4	96.3	96.6	98.1	98.5	98.7	99.3	99.3	99.5	99.7
IV 0	37.1	70.7	78.4	85.7	90.9	92.1	94.4	96.3	96.6	98.1	98.5	98.7	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2944

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AIR ILLINOIS/RANTOUL  
STATION NAME

17-79  
YEARS

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS II 511

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	30.0	36.3	37.0	37.4	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 20000	45.6	45.6	46.9	47.4	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 18000	35.8	45.9	47.2	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 16000	30.5	46.1	47.4	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	30.8	47.3	48.6	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	38.1	49.0	50.3	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
IV 10000	39.5	51.4	52.0	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 9000	40.1	52.2	53.9	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	41.3	54.2	56.1	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
IV 7000	41.8	55.7	57.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 6000	42.5	57.4	59.7	60.9	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 5000	43.1	58.7	61.3	62.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 4500	43.3	59.3	62.0	63.6	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4000	44.3	61.5	64.4	66.0	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500	46.3	63.9	66.9	68.7	69.5	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 3000	48.4	67.0	70.3	72.2	73.3	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500	50.9	69.7	73.2	75.3	76.5	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000	52.9	73.8	77.3	79.5	80.9	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 1800	53.6	74.5	78.4	80.6	82.1	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1500	54.6	76.8	80.7	83.2	84.8	85.0	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1200	55.4	79.0	83.4	86.1	88.0	88.2	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1000	55.9	80.2	84.8	87.9	90.2	90.6	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	56.0	80.6	85.3	88.7	91.1	91.5	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 800	56.1	81.1	86.1	89.7	92.3	93.1	93.9	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	56.3	81.7	86.8	90.5	93.4	94.0	94.9	95.3	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	56.3	81.8	87.1	90.9	94.1	94.7	95.8	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	56.3	82.0	87.3	91.2	94.4	95.4	96.7	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	56.3	82.2	87.6	91.5	95.2	95.9	97.2	98.1	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	56.3	82.2	87.6	91.6	95.3	95.9	97.4	98.4	98.6	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	56.3	82.2	87.6	91.6	95.3	96.0	97.4	98.5	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	56.3	82.2	87.6	91.6	95.3	96.0	97.4	98.5	98.7	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	56.3	82.2	87.6	91.6	95.3	96.0	97.4	98.5	98.7	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 3000

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14806 STATION CAHQUIA AFB ILLINOIS/RAMTJUL 17-70 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200 HOURS TO 1400 HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	29.4	32.3	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	27.0	41.9	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 18000	37.2	42.1	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 16000	37.6	42.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 14000	38.4	43.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 12000	38.3	45.0	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	46.2
IV 10000	41.3	47.5	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 9000	42.1	48.7	50.0	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 8000	43.9	51.3	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 7000	44.3	52.5	54.1	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000	45.8	54.9	56.7	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 5000	47.9	58.0	59.9	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 4500	49.4	59.9	61.4	62.4	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 4000	52.6	64.3	66.4	67.1	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	55.2	67.8	69.9	70.7	70.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3000	58.5	72.1	74.3	75.2	75.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 2500	60.7	75.4	77.8	78.8	79.4	79.5	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IV 2000	62.9	78.8	81.3	82.4	83.2	83.3	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	63.0	79.6	82.1	83.3	84.0	84.1	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
IV 1500	64.2	82.3	85.1	86.4	87.2	87.4	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	64.9	83.8	87.1	88.5	89.5	89.6	90.5	90.6	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IV 1000	65.1	84.7	88.5	90.2	91.4	91.6	92.6	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	65.4	84.9	88.8	90.7	92.1	92.3	93.3	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1
IV 800	65.3	85.3	89.4	91.4	92.9	93.2	94.4	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700	65.3	85.5	89.7	91.9	93.6	94.0	95.4	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 600	65.4	85.7	90.0	92.3	94.2	94.7	96.2	96.9	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 500	65.4	85.7	90.2	92.6	94.7	95.2	96.9	97.8	97.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	65.4	85.8	90.4	92.8	94.9	95.4	97.2	98.2	98.3	99.1	99.2	99.2	99.3	99.3	99.3	99.3
IV 300	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.5	98.7	99.5	99.7	99.8	99.8	99.9	99.9	99.9
IV 200	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.6	98.7	99.6	99.8	99.8	99.8	99.9	99.9	100.0
IV 100	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.6	98.7	99.6	99.8	99.8	99.8	99.9	99.9	100.0
IV 0	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.6	98.7	99.6	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3020

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLIE AFB ILLINOIS/RAITCOL  
STATION NAME

67-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.8	34.5	34.8	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
IV 20000	40.2	44.6	45.3	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 18000	40.6	45.1	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 16000	40.9	45.8	46.2	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 14000	42.1	47.0	47.7	47.8	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 12000	43.2	48.5	49.2	49.3	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 10000	45.3	51.3	52.2	52.3	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 9000	46.1	52.5	53.6	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 8000	47.4	54.7	56.0	56.2	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 7000	48.7	57.5	58.6	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 6000	50.4	60.1	61.6	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 5000	53.2	64.1	66.0	66.5	68.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4500	54.5	66.0	68.1	68.7	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 4000	57.3	69.9	72.3	73.0	73.5	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	59.3	72.4	74.8	75.6	76.2	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3000	61.9	76.1	78.7	79.6	80.4	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 2500	63.1	78.3	81.0	82.2	83.0	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2000	64.5	81.4	84.2	85.6	86.6	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2
IV 1800	64.8	82.0	85.0	86.4	87.4	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500	65.2	83.7	86.7	88.3	89.5	89.6	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.2
IV 1200	65.6	85.0	88.3	89.9	91.2	91.3	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.2
IV 1000	65.7	85.8	89.3	91.1	92.7	92.9	93.5	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9
IV 900	65.7	86.1	89.7	91.6	93.2	93.5	94.2	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
IV 800	65.6	86.3	90.1	92.0	94.0	94.4	95.3	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.9
IV 700	65.8	86.4	90.2	92.2	94.4	94.9	95.9	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.7
IV 600	65.8	86.6	90.5	92.6	94.9	95.5	96.6	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.7
IV 500	65.8	86.6	90.5	92.6	95.2	95.9	97.2	97.8	97.9	98.4	98.5	98.5	98.6	98.6	98.6	98.6
IV 400	65.9	86.8	90.7	92.9	95.5	96.1	97.5	98.3	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.3
IV 300	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.7	98.8	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IV 200	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.8	98.9	99.5	99.7	99.7	99.8	99.8	100.0	100.0
IV 100	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.8	98.9	99.5	99.7	99.7	99.8	99.8	100.0	100.0
IV 0	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.8	98.9	99.5	99.7	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3036

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

16808 STATION CHANGE AIR ILLINOIS/RANTJUL STATION NAME

17-70 YEARS

6 PR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-2000 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	33.3	41.8	43.0	43.4	43.5	43.6	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	41.7	50.5	51.6	52.3	52.6	52.6	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV ≥ 18000	42.0	51.0	52.3	52.7	53.1	53.2	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV ≥ 16000	42.3	51.2	52.6	53.1	53.4	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV ≥ 14000	42.9	51.9	53.3	53.9	54.2	54.2	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV ≥ 12000	44.0	53.6	55.0	55.8	55.9	55.9	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV ≥ 10000	45.7	56.0	57.5	58.1	58.4	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV ≥ 9000	46.4	57.0	58.5	59.2	59.6	59.6	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV ≥ 8000	47.6	59.1	60.7	61.4	61.9	61.9	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV ≥ 7000	48.8	61.3	63.0	63.8	64.3	64.4	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV ≥ 6000	50.1	63.5	65.4	66.3	66.9	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV ≥ 5000	52.4	67.6	69.9	70.9	71.5	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV ≥ 4500	53.1	68.8	71.3	72.3	73.1	73.2	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV ≥ 4000	54.2	71.2	73.9	75.1	76.0	76.1	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV ≥ 3500	55.5	73.5	76.5	77.9	78.9	79.0	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV ≥ 3000	57.0	76.1	79.5	81.2	82.2	82.3	82.7	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV ≥ 2500	57.8	78.2	81.8	83.6	84.7	84.8	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV ≥ 2000	58.8	80.5	84.4	86.4	87.6	87.7	88.2	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV ≥ 1800	58.9	80.7	84.8	87.0	88.1	88.2	88.7	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV ≥ 1500	59.1	81.0	85.0	88.2	89.6	89.7	90.2	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV ≥ 1200	59.3	82.4	86.7	89.3	90.8	91.0	91.5	92.0	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV ≥ 1000	59.5	83.1	87.6	90.5	92.1	92.3	92.9	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV ≥ 900	59.5	83.3	88.1	91.1	92.9	93.1	93.8	94.3	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV ≥ 800	59.5	83.7	88.4	91.4	93.3	93.6	94.4	95.0	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV ≥ 700	59.5	83.9	88.7	91.8	93.8	94.1	95.1	95.9	95.9	96.4	96.5	96.5	96.5	96.5	96.5	96.5
IV ≥ 600	59.5	83.9	88.8	92.0	94.1	94.4	95.5	96.3	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV ≥ 500	59.5	84.0	88.9	92.3	94.5	94.9	96.3	97.2	97.3	97.9	98.0	98.0	98.0	98.0	98.0	98.0
IV ≥ 400	59.6	84.1	89.0	92.4	94.9	95.4	97.0	98.0	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV ≥ 300	59.6	84.1	89.0	92.4	94.9	95.4	97.1	98.3	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 200	59.6	84.1	89.0	92.4	94.9	95.4	97.1	98.4	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV ≥ 100	59.6	84.1	89.0	92.4	94.9	95.5	97.2	98.4	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6
IV ≥ 0	59.6	84.1	89.0	92.4	94.9	95.5	97.2	98.4	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

3057

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/KANTRUL  
STATION NAME

37-70

YEARS

4 PR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
GROUPS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	37.3	47.4	48.7	49.5	50.1	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	41.4	53.0	54.7	55.6	56.3	56.3	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 18000	41.5	53.1	54.8	55.8	56.4	56.5	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 16000	41.6	53.4	55.1	56.1	56.7	56.8	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 14000	42.1	53.9	55.7	56.7	57.2	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 12000	42.5	55.7	57.0	57.9	58.5	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 10000	44.3	57.1	58.9	59.9	60.6	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 9000	45.0	58.4	60.3	61.3	62.0	62.1	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 8000	46.5	60.6	62.0	63.7	64.4	64.5	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 7000	47.4	62.7	64.2	66.0	66.8	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	48.6	63.9	67.2	68.5	69.4	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 5000	50.4	68.9	71.1	72.6	73.7	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500	51.1	70.1	72.5	74.1	75.2	75.4	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4000	52.1	72.3	75.0	76.7	78.0	78.1	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	53.1	73.9	76.9	78.6	79.9	80.1	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3000	54.0	76.3	79.2	81.3	82.7	82.8	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2500	54.7	77.8	81.0	82.9	84.3	84.4	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2000	55.7	80.0	83.8	85.9	87.3	87.5	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	55.9	80.6	84.3	86.7	88.1	88.3	88.9	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	56.2	81.2	85.2	87.5	89.0	89.1	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	56.3	82.0	86.4	88.7	90.3	90.4	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1000	56.6	82.3	86.9	89.4	91.1	91.3	92.2	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 900	56.7	82.7	87.3	89.8	91.6	91.8	92.8	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	56.7	82.8	87.5	90.1	92.1	92.3	93.4	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 700	56.7	83.2	88.0	90.8	92.9	93.1	94.3	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 600	56.7	83.4	88.2	91.2	93.5	93.8	95.3	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
IV 500	56.7	83.5	88.6	91.7	94.2	94.7	96.4	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	56.7	83.6	88.6	91.8	94.4	95.0	96.9	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

3025

USAF ETAC

FORM  
JUL 64

0-14-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHANLIE AFB ILL MILLS/RANTOUL  
 STATION NAME

37-62  
 YEARS

YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0	
NO CEILING	35.4	51.7	53.1	54.4	55.5	55.6	56.1	56.2	56.2	56.5	56.6	56.6	56.6	56.8	56.8	56.8	57.1
≥ 20000	42.1	56.6	58.2	59.7	60.0	60.9	61.4	61.6	61.6	61.7	62.0	62.0	62.3	62.3	62.3	62.3	62.7
IV 18000	42.2	56.8	58.4	60.0	61.1	61.1	61.6	61.9	61.9	62.2	62.3	62.3	62.5	62.5	62.5	62.6	62.9
IV 16000	42.3	57.1	58.7	60.2	61.4	61.4	61.9	62.2	62.2	62.5	62.6	62.6	62.8	62.8	62.8	62.8	63.2
IV 14000	42.9	57.9	59.6	61.2	62.3	62.4	62.9	63.1	63.1	63.4	63.5	63.5	63.8	63.8	63.8	63.8	64.2
IV 12000	43.7	59.7	61.5	63.1	64.2	64.3	64.8	65.0	65.0	65.3	65.4	65.4	65.7	65.7	65.7	65.7	66.1
IV 10000	45.0	61.3	63.7	65.4	66.7	66.7	67.2	67.5	67.5	67.8	67.9	67.9	68.1	68.1	68.1	68.2	68.9
IV 9000	45.9	63.1	65.0	66.7	68.0	68.1	68.6	68.9	68.9	69.2	69.2	69.2	69.5	69.5	69.5	69.5	69.9
IV 8000	47.4	66.2	68.3	70.2	71.6	71.6	72.1	72.4	72.4	72.7	72.8	72.8	73.0	73.0	73.0	73.1	73.4
IV 7000	48.6	68.2	70.4	72.4	73.7	73.8	74.3	74.6	74.6	74.9	75.0	75.0	75.3	75.3	75.3	75.3	75.7
IV 6000	49.6	70.3	72.6	74.8	76.2	76.3	76.8	77.1	77.1	77.4	77.5	77.5	77.8	77.8	77.8	77.8	78.2
IV 5000	50.4	71.3	74.2	76.5	78.1	78.2	78.7	79.0	79.0	79.3	79.4	79.4	79.7	79.7	79.7	79.7	80.1
IV 4500	50.7	72.5	74.9	77.3	79.0	79.1	79.6	79.9	79.9	80.2	80.2	80.2	80.5	80.5	80.5	80.6	80.9
IV 4000	52.1	74.7	77.2	79.8	81.8	81.9	82.5	82.9	82.9	83.2	83.3	83.3	83.5	83.5	83.5	83.6	84.0
IV 3500	52.5	75.9	78.6	81.3	83.2	83.4	84.0	84.4	84.4	84.7	84.8	84.8	85.1	85.1	85.1	85.1	85.5
IV 3000	52.8	77.2	80.1	82.8	84.8	85.0	85.6	86.0	86.1	86.4	86.5	86.5	86.8	86.8	86.8	86.8	87.2
IV 2500	53.3	78.2	81.1	83.9	85.9	86.1	86.7	87.2	87.2	87.6	87.7	87.7	87.9	87.9	87.9	88.0	88.4
IV 2000	53.7	79.1	82.4	85.3	87.0	87.8	88.5	88.9	89.0	89.3	89.4	89.4	89.7	89.7	89.7	89.7	90.1
IV 1800	53.9	79.3	82.6	85.5	87.8	88.0	88.7	89.2	89.2	89.6	89.7	89.7	90.0	90.0	90.0	90.0	90.4
IV 1500	54.4	79.9	83.3	86.3	88.7	88.8	89.6	90.2	90.2	90.6	90.7	90.7	91.0	91.0	91.0	91.0	91.4
IV 1200	54.6	80.7	84.2	87.4	90.0	90.2	90.9	91.5	91.6	92.0	92.1	92.1	92.3	92.3	92.3	92.4	92.8
IV 1000	54.2	81.1	84.6	88.4	91.1	91.3	92.2	92.8	92.8	93.3	93.4	93.4	93.6	93.6	93.7	93.7	94.1
IV 900	54.2	81.3	85.1	88.8	91.5	91.7	92.6	93.2	93.2	93.7	93.8	93.8	94.0	94.0	94.1	94.1	94.5
IV 800	54.2	81.4	85.2	89.0	91.8	92.0	92.8	93.6	93.6	94.1	94.1	94.1	94.4	94.4	94.5	94.5	94.9
IV 700	54.3	81.7	85.6	89.5	92.4	92.7	93.7	94.4	94.4	94.9	94.9	94.9	95.3	95.3	95.3	95.4	95.8
IV 600	54.3	81.8	85.9	89.9	93.0	93.2	94.6	95.4	95.4	95.9	96.0	96.0	96.4	96.4	96.4	96.5	96.8
IV 500	54.3	82.1	86.2	90.4	93.6	93.9	95.3	96.1	96.2	96.7	96.8	96.8	97.2	97.2	97.2	97.3	97.7
IV 400	54.3	82.1	86.2	90.6	94.0	94.3	95.7	96.7	96.8	97.5	97.6	97.6	98.0	98.0	98.0	98.1	98.5
IV 300	54.3	82.2	86.3	90.6	94.1	94.4	96.0	97.2	97.3	98.2	98.4	98.4	98.8	98.8	98.8	98.9	99.5
IV 200	54.3	82.2	86.3	90.6	94.2	94.5	96.1	97.3	97.4	98.3	98.5	98.5	98.9	98.9	98.9	99.2	99.6
IV 100	54.3	82.2	86.3	90.6	94.2	94.5	96.1	97.3	97.4	98.3	98.5	98.5	98.9	98.9	98.9	99.3	99.7
IV 0	54.3	82.2	86.3	90.6	94.2	94.5	96.1	97.3	97.4	98.3	98.5	98.5	98.9	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2469

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR FORCE SERVICE/AC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHAMBLEE AIR FIELD ILLINOIS/RAVENS  
 STATION NAME

37-65  
 YEARS

YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
 GROUPS PER HOUR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	40.8	41.8	44.9	47.0	48.3	45.5	49.3	49.6	49.6	50.0	50.3	50.3	50.4	50.5	50.6	50.9
≥20000	49.9	47.4	51.7	54.3	55.9	56.2	57.1	57.5	57.5	57.9	58.2	58.2	58.3	58.3	58.5	59.0
IV 18000	29.9	48.0	51.9	54.4	56.0	56.3	57.3	57.6	57.7	58.0	58.3	58.3	58.5	58.5	58.7	59.1
IV 16000	29.9	48.1	51.9	54.5	56.2	56.4	57.4	57.8	57.8	58.2	58.4	58.4	58.6	58.6	58.8	59.1
IV 14000	30.4	48.9	52.8	55.5	57.2	57.3	58.4	58.8	58.8	59.2	59.5	59.5	59.7	59.7	59.9	60.3
IV 12000	31.2	50.2	54.3	57.0	59.9	59.1	60.1	60.5	60.5	61.0	61.3	61.3	61.5	61.5	61.7	62.1
IV 10000	33.1	52.7	57.0	59.9	62.0	62.3	63.3	63.8	63.9	64.3	64.6	64.6	64.8	64.8	65.0	65.5
IV 9000	33.8	54.2	58.5	61.5	63.6	63.9	65.0	65.4	65.5	65.9	66.2	66.3	66.4	66.5	66.7	67.1
IV 8000	34.9	56.4	60.9	64.0	66.2	66.5	67.6	68.1	68.2	68.6	68.9	69.0	69.1	69.2	69.4	69.8
IV 7000	36.1	58.9	63.5	66.6	68.8	69.4	70.5	71.0	71.1	71.5	71.8	71.9	72.0	72.1	72.3	72.7
IV 6000	37.0	60.9	65.8	68.9	71.4	71.9	73.1	73.6	73.7	74.1	74.4	74.5	74.7	74.7	74.9	75.3
IV 5000	37.5	62.2	67.3	70.5	73.2	73.7	75.0	75.5	75.6	76.0	76.4	76.4	76.6	76.7	76.9	77.3
IV 4500	37.8	63.0	68.2	71.5	74.2	74.7	76.0	76.5	76.6	77.0	77.4	77.4	77.6	77.7	77.9	78.3
IV 4000	38.8	65.0	70.2	73.9	76.8	77.3	78.8	79.3	79.4	79.8	80.2	80.2	80.4	80.5	80.7	81.1
IV 3500	39.4	66.2	71.7	75.2	78.5	79.0	80.4	80.9	81.0	81.5	81.8	81.9	82.1	82.1	82.3	82.7
IV 3000	39.6	67.0	72.0	76.3	79.6	80.1	81.5	82.1	82.2	82.7	83.1	83.1	83.3	83.4	83.6	84.0
IV 2500	40.0	68.0	73.7	77.5	81.1	81.5	83.0	83.6	83.7	84.3	84.7	84.7	84.9	84.9	85.1	85.6
IV 2000	40.6	69.3	75.2	79.3	83.1	83.6	85.2	85.8	85.9	86.4	86.8	86.8	87.0	87.1	87.3	87.7
IV 1800	40.7	69.5	75.5	79.6	83.5	84.0	85.6	86.3	86.4	87.0	87.4	87.4	87.6	87.7	87.9	88.3
IV 1500	40.9	70.3	76.3	80.7	84.7	85.2	86.9	87.6	87.8	88.4	88.8	88.8	89.0	89.0	89.2	89.7
IV 1200	41.1	70.8	77.0	81.6	85.7	86.1	87.9	88.6	88.8	89.4	89.8	89.9	90.0	90.0	90.2	90.7
IV 1000	41.1	71.2	77.6	82.6	86.7	87.2	89.0	89.8	89.9	90.6	91.0	91.1	91.3	91.3	91.5	91.9
IV 900	41.1	71.5	78.1	83.0	87.1	87.6	89.4	90.3	90.4	91.1	91.5	91.6	91.8	91.8	92.0	92.5
IV 800	41.3	71.8	78.4	83.4	87.7	88.2	90.2	91.1	91.2	91.9	92.3	92.3	92.6	92.7	92.9	93.3
IV 700	41.3	71.9	78.5	83.5	88.0	88.5	90.7	91.6	91.7	92.4	92.9	93.0	93.3	93.3	93.5	93.9
IV 600	41.3	72.0	78.8	84.0	88.7	89.3	91.7	92.7	92.8	93.7	94.2	94.7	94.5	94.6	94.8	95.3
IV 500	41.3	72.2	79.0	84.2	89.0	89.7	92.2	93.4	93.6	94.5	95.0	95.0	95.4	95.5	95.7	96.1
IV 400	41.3	72.2	79.0	84.3	89.2	89.8	92.6	93.9	94.1	95.1	95.6	95.7	96.2	96.2	96.5	96.9
IV 300	41.3	72.2	79.0	84.3	89.3	90.0	93.0	94.4	94.6	95.7	96.3	96.4	97.0	97.1	97.4	98.0
IV 200	41.3	72.3	79.1	84.4	89.4	90.1	93.2	94.6	94.9	96.0	96.9	97.0	97.9	97.9	98.3	98.9
IV 100	41.3	72.3	79.1	84.4	89.4	90.1	93.2	94.6	94.9	96.0	96.9	97.0	97.9	98.0	98.6	99.3
IV 0	41.3	72.3	79.1	84.4	89.4	90.1	93.2	94.6	94.9	96.0	96.9	97.0	97.9	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

2509

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHICAGO AND ILLINOIS/RANDOLPH  
STATION NAME

47-70  
YEARS

YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0		
NO CEILING	39.6	43.2	45.9	47.0	47.6	47.8	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3
IV 20000	34.4	37.0	39.2	39.6	37.6	37.9	38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.5	38.5
IV 18000	34.7	37.2	39.4	39.8	37.8	38.1	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.7	38.7
IV 16000	34.8	37.3	39.4	39.9	37.9	38.2	38.5	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.8
IV 14000	35.2	38.1	39.9	37.8	38.8	39.1	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.7	39.7
IV 12000	30.2	34.7	36.1	39.7	60.7	61.0	61.3	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	37.7	36.9	50.3	62.1	63.2	63.5	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
IV 9000	38.2	37.8	61.3	63.2	64.4	64.7	65.2	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6
IV 8000	39.8	60.5	64.1	66.2	67.4	67.8	68.3	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8
IV 7000	40.8	62.6	66.3	68.5	69.7	70.1	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.2
IV 6000	41.5	63.9	67.8	70.2	71.3	71.8	72.3	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.9
IV 5000	42.2	65.8	69.9	72.5	74.0	74.4	74.9	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.5
IV 4500	42.5	66.5	70.7	73.3	74.8	75.2	75.7	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.4
IV 4000	43.3	68.0	72.3	75.1	76.6	77.1	77.6	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.3	78.3
IV 3500	43.7	69.1	73.4	76.2	77.8	78.3	78.9	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.6
IV 3000	44.3	70.1	74.6	77.4	79.2	79.7	80.3	80.6	80.7	80.9	80.9	80.9	80.9	80.9	81.0	81.1	81.1
IV 2500	44.8	71.0	75.7	78.7	80.3	81.1	81.7	82.0	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.6
IV 2000	45.6	72.5	77.4	80.5	82.6	83.1	83.8	84.2	84.4	84.6	84.7	84.7	84.7	84.7	84.8	84.8	84.9
IV 1800	45.7	72.8	77.8	80.9	83.0	83.5	84.2	84.7	84.9	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.4
IV 1500	46.3	73.8	78.7	82.1	84.3	84.9	85.6	86.0	86.3	86.6	86.7	86.7	86.7	86.8	86.8	86.9	87.0
IV 1200	46.7	74.5	79.5	83.0	85.6	86.2	87.0	87.5	87.7	88.1	88.2	88.2	88.2	88.3	88.3	88.4	88.4
IV 1000	47.1	75.3	80.6	84.3	87.1	87.8	88.6	89.2	89.5	89.9	90.1	90.2	90.3	90.3	90.4	90.4	90.5
IV 900	47.3	75.8	81.1	84.8	87.7	88.5	89.4	90.1	90.3	90.8	91.0	91.0	91.2	91.2	91.3	91.3	91.4
IV 800	47.4	76.3	81.7	85.6	88.7	89.5	90.6	91.4	91.6	92.2	92.3	92.4	92.4	92.5	92.6	92.7	92.7
IV 700	47.6	76.6	82.2	86.2	89.5	90.3	91.5	92.5	92.8	93.3	93.6	93.6	93.8	93.8	93.9	94.0	94.0
IV 600	47.4	76.9	82.7	86.8	90.2	91.1	92.5	93.6	93.9	94.6	94.9	95.0	95.2	95.2	95.3	95.3	95.3
IV 500	47.5	77.2	83.0	87.3	91.0	92.0	93.6	94.9	95.2	96.0	96.4	96.5	96.7	96.8	96.9	96.9	96.9
IV 400	47.5	77.2	83.2	87.6	91.4	92.5	94.1	95.7	96.1	97.0	97.5	97.5	97.8	97.9	98.0	98.1	98.1
IV 300	47.5	77.3	83.2	87.8	91.6	92.8	94.6	96.3	96.7	97.9	98.5	98.7	99.0	99.0	99.1	99.2	99.2
IV 200	47.5	77.3	83.2	87.8	91.6	92.8	94.7	96.4	96.8	98.0	98.7	98.8	99.2	99.3	99.3	99.3	99.3
IV 100	47.5	77.3	83.2	87.8	91.6	92.8	94.7	96.4	96.8	98.0	98.7	98.8	99.3	99.4	99.4	99.4	99.4
IV 0	47.5	77.3	83.2	87.8	91.6	92.8	94.7	96.4	96.8	98.0	98.7	98.8	99.3	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

3160

USAF ETAC

FORM  
JUL 64

0-14-5 (OL)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 14800 CAMP-10 AFB, ILLINOIS/KANTOUL STATION NAME: 47-70 YEARS: 6Y MONTHS: 1100  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0900-1100 HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	37.3	42.0	42.5	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	
≥ 20000	44.8	51.9	52.7	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	
≥ 18000	45.0	52.1	52.9	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	
≥ 16000	45.1	52.2	53.1	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	
≥ 14000	45.5	53.3	54.1	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
≥ 12000	46.9	55.1	56.0	56.2	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	
≥ 10000	46.8	55.0	56.0	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
≥ 9000	49.2	58.9	59.9	60.2	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
≥ 8000	50.7	61.2	62.3	62.6	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
≥ 7000	52.0	63.1	64.3	64.8	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
≥ 6000	52.5	64.4	66.2	66.6	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	
≥ 5000	53.8	66.3	68.1	68.7	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	
≥ 4500	54.3	67.3	69.0	69.6	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
≥ 4000	55.9	70.0	71.7	72.4	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
≥ 3500	57.2	71.9	73.8	74.6	74.9	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
≥ 3000	59.3	74.8	76.6	77.4	78.1	78.1	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	
≥ 2500	61.0	77.4	79.0	80.5	81.1	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	
≥ 2000	63.1	80.5	82.7	83.8	84.4	84.5	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	
≥ 1800	63.7	81.4	83.7	84.8	85.4	85.5	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	
≥ 1500	64.5	83.4	85.9	87.2	87.9	88.0	88.2	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	
≥ 1200	65.0	84.7	87.4	88.9	89.7	89.9	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	
≥ 1000	65.0	86.3	89.2	90.8	91.9	92.1	92.5	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	
≥ 900	65.6	86.7	89.7	91.4	92.5	92.8	93.2	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	
≥ 800	65.7	87.6	90.9	92.8	94.1	94.4	94.9	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	
≥ 700	65.8	87.8	91.2	93.3	94.7	95.1	95.8	96.3	96.4	96.7	96.7	96.7	96.7	96.7	96.7	
≥ 600	65.8	87.9	91.4	93.7	95.1	95.5	96.4	97.0	97.1	97.5	97.6	97.6	97.6	97.6	97.6	
≥ 500	65.8	88.0	91.6	94.0	95.6	96.0	97.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	
≥ 400	65.8	88.0	91.7	94.1	95.8	96.3	97.6	98.5	98.7	99.3	99.3	99.3	99.3	99.3	99.3	
≥ 300	65.8	88.0	91.7	94.1	95.8	96.5	97.8	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	
≥ 200	65.8	88.1	91.7	94.1	95.8	96.5	97.8	98.9	99.0	99.8	99.9	99.9	99.9	99.9	99.9	
≥ 100	65.8	88.1	91.7	94.1	95.8	96.5	97.8	98.9	99.0	99.8	99.9	99.9	99.9	99.9	99.9	
≥ 0	65.8	88.1	91.7	94.1	95.8	96.5	97.8	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	

TOTAL NUMBER OF OBSERVATIONS

1123

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHANDLER AFB ILLINOIS/RANTOL  
STATION NAME

57-70  
YEAR

YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS U.S.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	34.3	36.2	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	44.4	47.8	47.9	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV ≥ 18000	44.5	48.0	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 16000	44.7	48.1	48.2	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV ≥ 14000	45.4	49.3	49.4	49.5	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	46.4	50.6	50.6	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV ≥ 10000	46.9	53.3	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 9000	44.6	54.3	54.7	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV ≥ 8000	51.1	56.4	56.6	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 7000	52.2	58.2	58.6	59.0	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV ≥ 6000	53.5	60.0	60.4	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 5000	50.4	64.2	64.6	65.3	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV ≥ 4500	57.2	65.2	65.8	66.7	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 4000	60.2	69.0	69.2	70.8	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV ≥ 3500	62.8	72.3	73.2	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	66.9	77.6	79.0	80.2	80.5	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
IV ≥ 2500	69.3	80.7	82.2	83.3	83.5	83.5	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000	71.7	84.3	86.1	87.4	87.9	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV ≥ 1800	72.2	85.1	86.9	88.3	88.8	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	73.0	86.9	88.6	90.3	90.9	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV ≥ 1200	73.5	88.3	91.1	92.8	93.6	93.7	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	73.6	89.8	92.2	94.1	95.3	95.4	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3
IV ≥ 900	73.6	89.9	92.5	94.4	95.7	95.9	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	73.8	90.3	93.0	95.0	96.3	96.5	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.6
IV ≥ 700	73.8	90.3	93.1	95.3	96.7	96.9	97.4	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1
IV 600	73.8	90.4	93.2	95.6	97.2	97.4	98.0	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.8
IV ≥ 500	73.8	90.4	93.3	95.8	97.4	97.7	98.3	99.0	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV 400	73.8	90.4	93.3	95.8	97.6	97.8	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV ≥ 300	73.8	90.4	93.3	95.8	97.6	97.9	98.7	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	100.0
IV 200	73.8	90.4	93.3	95.9	97.6	97.9	98.7	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV ≥ 100	73.8	90.4	93.3	95.9	97.6	97.9	98.7	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	73.8	90.4	93.3	95.9	97.6	97.9	98.7	99.6	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3121

LATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

GRAND ILLINOIS/RANTULLE  
 STATION NAME

37-70  
 YEAR

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥.75	≥.5	≥.25	≥.16	≥.1	≥0	
NO CEILING	37.0	38.3	39.0	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	
≥ 20000	47.6	50.3	51.1	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
≥ 18000	47.7	51.0	51.3	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
IV 16000	46.0	51.4	51.7	51.7	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
IV 14000	48.7	52.8	52.8	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	
IV 12000	50.1	54.7	54.9	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	
IV 10000	53.1	56.3	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
IV 9000	53.9	59.4	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
IV 8000	55.9	62.0	62.3	62.3	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
IV 7000	57.5	64.3	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
IV 6000	59.3	67.1	67.5	67.9	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	
IV 5000	62.1	71.2	71.4	72.4	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	
IV 4500	63.6	73.7	74.0	74.3	74.8	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	
IV 4000	60.2	76.9	78.1	78.7	79.1	79.1	79.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	
IV 3500	68.1	79.4	80.6	81.3	81.7	81.7	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	
IV 3000	70.2	82.5	83.9	84.6	85.1	85.3	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	
IV 2500	71.8	84.9	86.6	87.4	87.9	88.1	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	
IV 2000	72.7	86.9	88.9	89.8	90.4	90.5	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	
IV 1800	72.8	87.3	89.3	90.3	90.9	91.0	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	
IV 1500	73.3	89.0	91.1	92.3	93.1	93.2	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	
IV 1200	73.6	90.0	92.2	93.6	94.4	94.6	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	
IV 1000	73.6	90.8	93.1	94.8	95.6	96.1	96.4	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	
IV 900	73.7	91.1	93.5	95.1	96.2	96.5	97.0	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	
IV 800	73.7	91.1	93.6	95.3	96.5	96.8	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	
IV 700	73.8	91.2	93.8	95.7	97.0	97.4	98.0	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	
IV 600	73.8	91.2	93.9	95.8	97.2	97.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	
IV 500	73.8	91.4	94.1	96.1	97.5	97.9	98.7	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	
IV 400	73.8	91.4	94.1	96.2	97.6	98.0	98.8	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	
IV 300	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	
IV 200	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	
IV 100	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	
IV 0	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	

TOTAL NUMBER OF OBSERVATIONS

3149

DATA PROCESSING DIVISION  
 USAF  
 AIR FORCE SERVICE/MAC

# CEILING VERSUS VISIBILITY

1000 2 APR 1970 ILLINOIS/RANTOUL STATION NAME

37-70 YEARS

YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1000-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	>5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 2000ft	49.0	46.3	46.3	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
WV 3000	48.2	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
WV 16000	48.4	47.6	47.6	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
WV 14000	49.1	48.1	48.1	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
WV 12000	52.9	50.0	50.0	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
WV 10000	52.9	50.9	50.9	53.9	53.9	53.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
WV 9000	54.7	50.4	50.4	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
WV 8000	55.9	54.1	54.1	57.7	57.7	57.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
WV 7000	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 6000	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 5000	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 4500	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 4000	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 3500	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 3000	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 2500	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 2000	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 1800	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 1500	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 1200	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 1000	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 900	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 800	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 700	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 600	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 500	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 400	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 300	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 200	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 100	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
WV 0	57.2	57.2	57.2	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9

TOTAL NUMBER OF OBSERVATIONS 3160

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAAC

# CEILING VERSUS VISIBILITY

14806 STATION CHENLE AFB ILLINOIS/RANTOUL STATION NAME

47-70 YEARS

JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0	
NO CEILING	44.6	55.3	56.6	57.3	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2
IV 20000	48.3	59.8	52.5	63.3	63.1	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
IV 18000	48.3	61.1	62.7	63.6	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5
IV 16000	48.8	61.2	62.8	63.7	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6
IV 14000	49.1	62.1	63.8	64.7	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
IV 12000	50.2	63.7	65.4	66.3	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3
IV 10000	51.7	65.8	67.0	68.0	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5
IV 9000	52.6	67.2	69.0	70.0	70.5	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9
IV 8000	54.5	70.2	72.2	73.2	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2
IV 7000	56.1	72.6	74.7	75.8	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9
IV 6000	57.6	74.8	77.0	78.3	78.8	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4
IV 5000	58.7	77.3	79.7	81.1	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3
IV 4500	59.2	78.4	81.0	82.4	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7
IV 4000	60.4	80.4	83.2	84.8	85.6	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
IV 3500	60.7	81.3	84.2	85.9	86.8	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4
IV 3000	61.0	82.3	85.4	87.3	88.4	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3
IV 2500	61.5	83.7	86.9	88.9	90.2	90.5	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
IV 2000	61.9	85.2	88.5	90.6	92.0	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
IV 1800	62.2	85.4	88.8	90.9	92.3	92.6	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
IV 1500	62.3	85.9	89.3	91.5	93.0	93.3	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
IV 1200	62.4	86.4	90.0	92.3	93.8	94.1	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
IV 1000	62.5	86.8	90.5	92.9	94.4	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
IV 900	62.5	86.9	90.7	93.0	94.6	95.0	95.6	95.7	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.1	96.1
IV 800	62.6	87.3	91.1	93.5	95.1	95.6	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6
IV 700	62.7	87.5	91.4	93.7	95.5	95.9	96.7	96.9	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
IV 600	62.7	87.7	91.6	94.1	96.0	96.5	97.3	97.7	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.1	98.1
IV 500	62.7	87.7	91.9	94.4	96.3	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4
IV 400	62.7	87.9	92.0	94.7	96.7	97.2	98.1	98.6	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0
IV 300	62.7	87.9	92.0	94.6	96.9	97.4	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4
IV 200	62.7	87.9	92.1	94.9	96.9	97.4	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.6	99.6	99.6	99.6
IV 100	62.7	87.9	92.1	94.9	96.9	97.4	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.7	99.7	99.7	99.7
IV 0	62.7	87.9	92.1	94.9	96.9	97.4	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2936

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1481.5  
STATION

CARDIFF AIR ILLINOIS/RANTOUL  
STATION NAME

37-62  
YEARS

JULY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	40.2	54.8	56.6	58.0	59.3	59.7	60.1	60.2	60.2	60.4	60.4	60.4	60.5	60.6	60.6	60.6
IV 18000 16000	43.2	62.9	64.7	66.7	67.0	68.5	69.0	69.1	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.5
IV 14000 12000	46.1	64.5	66.5	68.4	69.7	70.2	70.7	70.8	70.8	71.0	71.1	71.1	71.2	71.2	71.2	71.2
IV 10000 9000	49.0	69.2	71.4	73.3	74.8	75.3	76.0	76.1	76.1	76.3	76.4	76.4	76.5	76.5	76.5	76.5
IV 8000 7000	50.3	72.1	74.5	76.5	78.0	78.5	79.2	79.3	79.3	79.5	79.6	79.6	79.7	79.7	79.7	79.7
IV 6000 5000	51.2	73.6	76.2	78.3	79.8	80.3	81.0	81.1	81.1	81.3	81.4	81.4	81.5	81.5	81.5	81.5
IV 4500 4000	52.7	77.4	80.3	82.7	84.4	84.9	85.6	85.7	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1
IV 3500 3000	53.8	81.1	84.2	87.1	89.0	89.5	90.3	90.4	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8
IV 2500 2000	54.1	81.7	85.2	87.9	90.0	90.5	91.3	91.4	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8
IV 1800 1500	54.2	82.7	86.3	89.2	91.4	91.9	92.6	92.9	92.9	93.1	93.2	93.2	93.3	93.3	93.3	93.3
IV 1200 1000	54.3	83.7	87.5	90.5	92.8	93.3	94.3	94.4	94.4	94.7	94.8	94.8	94.9	94.9	94.9	94.9
IV 900 800	54.3	84.0	88.2	91.4	93.7	94.3	95.2	95.3	95.3	95.6	95.8	95.8	95.8	95.9	96.0	96.0
IV 700 600	54.5	84.3	88.6	91.8	94.1	94.7	95.8	96.0	96.0	96.4	96.5	96.5	96.6	96.6	96.6	96.6
IV 500 400	54.6	84.5	89.1	92.7	95.4	96.2	97.3	97.3	97.3	97.9	98.1	98.1	98.2	98.2	98.3	98.3
IV 300 200	54.6	84.5	89.1	92.7	95.5	96.3	97.7	98.1	98.2	98.8	99.2	99.2	99.4	99.4	99.4	99.4
IV 100 0	54.6	84.5	89.1	92.7	95.5	96.3	97.8	98.2	98.2	98.8	99.2	99.2	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2336

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14906  
STATION

GRANDTAF AFB ILLINOIS/GRANDTAF  
STATION NAME

27-65  
YEARS

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	25.8	41.5	45.2	47.7	48.7	50.1	51.1	51.7	51.8	52.2	52.3	52.3	52.3	52.4	52.6	53.0
IV 20000	30.5	49.5	53.8	56.8	56.9	57.5	60.5	61.2	61.3	61.7	61.9	61.9	62.0	62.0	62.2	62.7
IV 18000	30.5	49.5	53.8	57.0	59.2	59.8	60.8	61.5	61.5	62.0	62.0	62.2	62.2	62.3	62.4	63.0
IV 16000	30.5	49.8	54.2	57.4	59.7	60.2	61.3	61.9	62.0	62.5	62.6	62.6	62.6	62.8	62.9	63.4
IV 14000	31.0	51.0	55.5	58.9	61.2	61.7	62.8	63.4	63.5	64.0	64.1	64.1	64.2	64.3	64.4	65.0
IV 12000	32.4	53.5	58.2	61.5	64.1	64.6	65.7	66.4	66.5	67.1	67.2	67.2	67.3	67.4	67.5	68.1
IV 10000	33.8	56.0	61.0	64.4	67.1	67.6	68.8	69.5	69.6	70.2	70.3	70.3	70.4	70.5	70.6	71.1
IV 9000	34.5	56.9	62.0	65.4	68.1	68.6	69.8	70.5	70.6	71.1	71.3	71.3	71.4	71.5	71.6	72.1
IV 8000	35.7	59.4	64.6	68.2	71.1	71.7	73.0	73.7	73.8	74.4	74.5	74.5	74.6	74.7	74.8	75.4
IV 7000	36.8	61.7	66.9	70.7	73.6	74.2	75.4	76.2	76.3	76.9	77.0	77.0	77.2	77.2	77.4	77.9
IV 6000	37.6	63.3	68.8	72.7	75.6	76.4	77.7	78.4	78.5	79.2	79.3	79.3	79.4	79.5	79.6	80.2
IV 5000	38.5	65.1	70.9	74.9	78.0	78.7	80.0	80.8	80.8	81.5	81.6	81.6	81.7	81.8	81.9	82.5
IV 4500	38.5	65.5	71.3	75.4	78.6	79.3	80.6	81.4	81.5	82.1	82.2	82.2	82.4	82.4	82.6	83.1
IV 4000	39.2	66.9	73.1	77.2	80.6	81.2	82.6	83.4	83.5	84.1	84.3	84.3	84.4	84.5	84.6	85.2
IV 3500	39.5	67.7	73.9	78.1	81.5	82.2	83.5	84.4	84.5	85.2	85.3	85.3	85.4	85.5	85.7	86.2
IV 3000	39.9	68.9	75.2	79.5	82.9	83.6	85.0	85.9	85.9	86.6	86.8	86.8	86.9	87.0	87.1	87.7
IV 2500	40.1	69.7	76.1	80.3	83.9	84.5	86.1	87.0	87.1	87.8	87.9	87.9	88.0	88.1	88.3	88.8
IV 2000	40.2	70.5	77.0	81.4	85.0	85.7	87.3	88.2	88.3	89.0	89.1	89.2	89.3	89.4	89.5	90.0
IV 1800	40.4	70.8	77.3	81.7	85.4	86.1	87.6	88.5	88.6	89.4	89.5	89.5	89.7	89.8	89.9	90.4
IV 1500	40.6	71.4	78.0	82.5	86.2	86.9	88.5	89.4	89.4	90.4	90.5	90.6	90.7	90.8	90.9	91.4
IV 1200	40.8	72.1	78.7	83.3	87.0	87.7	89.3	90.2	90.3	91.2	91.4	91.4	91.5	91.6	91.8	92.3
IV 1000	40.8	72.6	79.0	84.4	88.2	88.9	90.6	91.6	91.7	92.7	92.9	92.9	93.0	93.1	93.2	93.8
IV 900	40.8	72.8	79.8	84.6	88.4	89.2	90.9	91.9	92.0	93.0	93.2	93.2	93.4	93.4	93.6	94.1
IV 800	40.5	73.0	80.1	85.0	88.9	89.7	91.4	92.5	92.6	93.7	93.9	93.9	94.0	94.1	94.3	94.8
IV 700	40.8	73.2	80.3	85.3	89.2	90.0	91.8	93.0	93.0	94.1	94.3	94.4	94.5	94.6	94.7	95.3
IV 600	40.4	73.4	80.6	85.8	89.9	90.7	92.6	93.7	93.8	95.0	95.2	95.2	95.4	95.5	95.6	96.2
IV 500	40.8	73.5	80.8	86.2	90.3	91.1	93.3	94.7	94.8	96.0	96.2	96.3	96.4	96.5	96.7	97.2
IV 400	40.8	73.5	80.9	86.4	90.6	91.4	93.7	95.2	95.3	96.7	97.0	97.1	97.2	97.3	97.4	98.1
IV 300	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.4	95.5	97.0	97.4	97.4	97.5	97.6	97.8	98.4
IV 200	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.5	95.6	97.2	97.5	97.5	97.8	97.9	98.1	98.8
IV 100	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.5	95.6	97.2	97.5	97.5	97.9	98.0	98.2	99.0
IV 0	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.5	95.6	97.2	97.5	97.5	97.9	98.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2426

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806 STATION CHANDLER AFB ILLINOIS/RANTGUL 17-70 YEARS MONTH JUN  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0600-0800  
HOURS (LST)

CEILING (FT)	VISIBILITY (STATUTE MILES)																
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
CEILING																	
IV 10000	30.6	46.3	44.9	50.0	50.9	51.0	51.3	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7
IV 8000	36.2	55.9	58.0	60.7	61.7	61.9	62.3	62.4	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7
IV 6000	36.5	56.3	59.2	61.1	62.1	62.3	62.7	62.8	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.7
IV 4000	38.6	56.4	59.3	61.2	62.2	62.4	62.8	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3
IV 2000	37.3	57.5	60.6	62.6	63.6	63.7	64.2	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
IV 1000	38.6	59.7	63.0	65.4	66.4	66.6	67.0	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
IV 800	40.8	63.5	67.1	69.7	70.9	71.1	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0
IV 600	41.1	64.2	67.9	70.4	71.6	71.8	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7
IV 400	42.8	66.7	70.4	73.1	74.3	74.5	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5
IV 300	43.6	68.5	72.2	75.3	76.5	76.7	77.2	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IV 200	44.3	70.2	74.4	77.4	78.6	78.8	79.4	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
IV 100	44.9	71.8	76.1	79.1	80.4	80.6	81.2	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8
IV 0	45.0	72.0	76.3	79.3	80.6	80.8	81.5	81.6	81.7	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0
IV 3500	45.3	73.0	77.5	80.6	82.0	82.2	82.9	83.1	83.2	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5
IV 3000	46.0	75.1	79.9	83.2	84.5	84.8	85.5	85.7	85.9	86.0	86.0	86.2	86.3	86.3	86.3	86.3	86.4
IV 2500	46.4	75.9	80.9	84.2	85.6	85.9	86.7	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.3
IV 2000	47.0	77.1	82.3	85.7	87.3	87.6	88.4	88.7	88.7	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.2
IV 1800	47.1	77.4	82.5	86.0	87.6	87.9	88.7	88.9	89.0	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4
IV 1500	47.3	78.3	83.5	87.0	88.7	89.0	89.8	90.1	90.2	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7
IV 1200	47.6	78.9	84.3	87.8	89.5	90.0	90.7	91.1	91.2	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7
IV 1000	48.0	79.9	85.5	89.1	90.9	91.4	92.3	92.8	92.9	93.3	93.3	93.3	93.4	93.4	93.4	93.5	93.5
IV 900	48.0	80.3	85.9	89.8	91.6	92.1	93.0	93.6	93.7	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.3
IV 800	48.2	80.6	86.5	90.3	92.4	92.9	93.8	94.4	94.5	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.2
IV 700	48.3	80.8	86.8	90.9	92.6	93.4	94.4	95.1	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
IV 600	48.3	81.0	87.0	91.3	93.4	94.0	95.3	96.0	96.2	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9
IV 500	48.3	81.1	87.2	91.6	93.8	94.5	96.1	96.9	97.1	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0
IV 400	48.3	81.2	87.3	91.7	94.0	94.7	96.6	97.6	97.8	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.8
IV 300	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.2	98.9	99.2	99.2	99.4	99.4	99.4	99.5	99.5
IV 200	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.7	99.7	99.7	99.8	99.8
IV 100	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.9
IV 0	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3059

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHANDLER AFB ILLINOIS/RANTOUL  
 STATION NAME

37-70  
 YEARS

YEARS

JUN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
 HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	30.4	46.0	46.0	46.7	46.8	46.8	40.0	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	40.4	57.0	57.9	58.1	58.2	58.7	50.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV ≥ 18000	46.8	57.7	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 16000	47.2	58.0	58.9	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV IV 14000	47.6	58.8	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 12000	48.9	60.0	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 10000	51.4	64.5	65.7	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	52.1	65.5	66.7	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV IV 8000	53.3	67.4	68.6	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 7000	54.3	68.9	70.4	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV IV 6000	55.3	70.2	71.7	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000	56.3	72.2	73.9	74.4	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV IV 4500	56.7	72.8	74.5	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4000	58.0	74.9	76.8	77.3	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV IV 3500	59.0	76.6	78.5	79.1	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	60.7	79.4	81.5	82.1	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV IV 2500	62.6	82.1	84.3	85.0	85.5	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	64.1	84.7	87.0	87.7	88.4	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV IV 1800	64.4	85.5	87.8	88.6	89.3	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1500	65.1	87.3	89.8	90.7	91.6	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV IV 1200	65.8	89.0	92.0	92.9	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1000	66.1	90.0	93.4	94.5	95.7	96.0	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV IV 900	66.2	90.4	94.0	95.3	96.5	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	66.5	90.8	94.5	95.9	97.3	97.6	97.9	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV IV 700	66.5	91.1	94.9	96.4	97.7	98.1	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	66.5	91.2	95.1	96.6	98.0	98.3	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV IV 500	66.5	91.2	95.2	96.8	98.3	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	66.5	91.2	95.2	96.8	98.3	98.8	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV IV 300	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV IV 100	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3026

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/3AC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

37-70  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥20000	36.5	40.6	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 18000	47.6	53.7	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 16000	48.0	54.1	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	54.5
IV 14000	48.2	54.4	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
IV 12000	49.0	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 10000	50.5	57.2	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 9000	52.8	60.3	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000	53.4	61.1	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	54.3	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000	54.9	63.5	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 5000	56.0	65.0	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 4500	59.1	68.5	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 4000	61.1	70.9	72.0	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 3500	64.9	76.1	77.1	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	67.2	79.3	80.6	81.0	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2500	70.6	83.5	85.0	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	72.7	86.6	88.3	88.9	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	74.4	89.5	91.3	91.9	92.2	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	74.7	90.2	92.2	92.8	93.1	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	75.4	91.7	94.0	94.8	95.2	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	75.9	92.9	95.5	96.4	97.0	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	76.1	93.5	96.2	97.3	98.0	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	76.1	93.7	96.4	97.6	98.4	98.6	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	76.1	93.8	96.6	97.7	98.7	98.9	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	76.2	93.8	96.6	97.8	98.7	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	76.2	93.8	96.7	97.9	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	76.2	93.8	96.7	97.9	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	76.2	93.8	96.7	97.9	98.9	99.1	99.5	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3059

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14803  
 STATION

CHAMBLEE AFB ILLINOIS/EA/TJOL  
 STATION NAME

37-70  
 YEARS

YEARS

JUN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 GROUP-TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	40.7	44.3	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV ≥ 18000	54.7	59.1	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 16000	54.9	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	55.9	60.9	61.1	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
IV 12000	57.0	62.9	63.0	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
IV 10000	59.4	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000	60.2	67.9	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	61.5	69.4	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 7000	62.8	71.2	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	64.2	73.1	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000	67.1	77.0	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 4500	68.4	78.7	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	71.2	82.5	83.3	83.4	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	72.4	84.5	85.3	85.6	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	74.4	87.5	88.8	89.1	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	75.7	89.5	91.0	91.4	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	76.6	91.3	93.2	93.8	94.2	94.2	94.5	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	76.6	91.5	93.4	94.0	94.4	94.4	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	77.1	92.3	94.3	95.0	95.5	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	77.4	93.0	95.1	96.1	96.7	96.9	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	77.6	93.4	95.6	96.7	97.4	97.5	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	77.6	93.4	95.6	96.7	97.4	97.7	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	77.7	93.6	95.8	97.0	97.8	98.1	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
IV 700	77.7	93.7	95.9	97.3	98.1	98.4	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
IV 600	77.7	93.8	96.1	97.4	98.3	98.6	99.1	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IV 500	77.7	93.8	96.1	97.5	98.4	98.7	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6
IV 400	77.7	93.8	96.1	97.5	98.4	98.7	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 300	77.7	93.8	96.2	97.5	98.4	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 200	77.7	93.8	96.2	97.5	98.4	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9
IV 100	77.7	93.8	96.2	97.5	98.4	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9
IV 0	77.7	93.8	96.2	97.5	98.4	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3058

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHANDLER AFB ILLINOIS/RANDOLPH

47-70

YEARS

11/22  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
 HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.0	49.4	50.3	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 20000	54.8	62.5	63.7	64.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 18000	55.1	62.5	64.0	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 16000	59.3	63.1	64.3	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 14000	56.4	64.5	65.7	66.1	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 12000	57.8	66.5	68.2	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 10000	60.2	70.5	72.1	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 9000	61.1	72.1	73.6	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	62.2	74.0	75.8	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	64.0	76.5	78.3	78.9	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 6000	65.1	78.3	80.2	80.8	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 5000	66.7	81.0	83.1	83.9	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4500	67.3	81.9	84.1	85.0	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4000	68.8	84.2	86.6	87.8	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3500	69.4	85.2	87.7	89.1	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000	70.3	87.2	90.0	91.4	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	70.9	88.3	91.1	92.6	93.5	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	71.2	89.0	92.0	93.6	94.6	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1800	71.3	89.2	92.1	93.8	94.7	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500	71.6	89.7	92.8	94.5	95.6	95.7	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	71.8	90.1	93.3	95.2	96.3	96.5	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000	71.9	90.3	93.6	95.6	97.1	97.1	97.7	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3
IV 900	71.9	90.3	93.8	95.8	97.3	97.3	97.9	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	71.9	90.5	93.9	95.9	97.4	97.5	98.1	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	72.0	90.5	93.9	96.0	97.5	97.6	98.2	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	72.0	90.6	93.9	96.1	97.7	97.7	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	72.0	90.6	93.9	96.2	97.9	98.0	98.8	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6
IV 400	72.0	90.6	93.9	96.3	97.9	98.0	98.8	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3057

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRANITE AFB ILLINOIS/KANTOOL  
STATION NAME

37-70  
YEARS

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	40.4	50.5	62.4	63.1	63.8	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 20000	53.0	67.3	64.3	70.2	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
IV 18000	53.2	67.4	69.5	70.4	71.2	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 16000	53.3	67.6	69.6	70.5	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
IV 14000	53.4	68.4	70.6	71.4	72.2	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 2000	55.6	70.9	73.1	74.3	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
IV 10000	57.2	73.8	76.0	77.0	77.8	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 9000	57.6	74.4	76.7	77.6	78.3	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
IV 8000	59.2	76.9	79.3	80.2	81.1	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	60.0	78.3	81.0	82.0	82.9	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
IV 6000	61.1	80.5	83.0	84.1	85.0	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
IV 5000	61.6	81.7	84.5	85.9	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
IV 4500	62.1	82.4	85.2	86.6	87.0	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4600	63.1	84.3	87.4	88.8	89.9	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
IV 3500	63.4	85.0	88.3	89.3	90.9	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
IV 3000	63.6	86.1	89.6	91.3	92.5	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1
IV 2500	64.5	87.3	90.9	92.6	93.8	93.9	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	64.7	87.9	91.6	93.4	94.9	94.9	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	64.8	88.1	91.8	93.7	95.2	95.3	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	64.8	88.4	92.2	94.2	95.7	95.8	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	64.9	88.6	92.5	94.5	96.0	96.1	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	64.9	88.7	92.8	94.6	96.3	96.4	96.9	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	64.9	88.8	92.9	94.9	96.5	96.5	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5
IV 800	64.9	88.9	93.1	95.1	96.7	96.8	97.4	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	64.9	89.0	93.3	95.4	97.2	97.4	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.4	98.4
IV 600	65.0	89.2	93.5	95.6	97.4	97.7	98.6	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	65.0	89.3	93.6	95.8	97.6	98.0	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	65.0	89.3	93.6	95.8	97.7	98.1	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS... 2049

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER SPR ILLINOIS/PANICUL  
STATION NAME

57-62

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	41.7	64.7	68.2	70.1	71.4	71.7	72.2	72.7	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 20000	44.8	69.1	72.8	74.8	76.5	76.8	77.4	77.9	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IV 18000	44.8	69.1	72.8	74.8	76.6	76.8	77.5	77.5	77.6	77.7	77.6	77.6	77.8	77.8	77.8	77.8
IV 16000	44.8	69.2	72.9	74.9	76.6	76.9	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.9	77.9
IV 14000	45.2	70.6	74.4	76.3	78.1	78.4	79.0	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3
IV 12000	46.4	72.8	76.7	78.7	80.4	80.7	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7
IV 10000	47.8	75.7	79.7	81.8	83.6	83.9	84.5	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8
IV 9000	48.3	76.6	80.7	82.8	84.6	84.9	85.5	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.9	85.9
IV 8000	48.5	77.6	81.8	84.1	85.9	86.3	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3
IV 7000	49.0	78.5	82.8	85.1	86.9	87.3	88.0	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3
IV 6000	49.4	79.7	84.1	86.4	88.3	88.7	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 5000	49.9	81.3	85.7	88.2	90.1	90.5	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5
IV 4500	50.1	81.8	86.3	88.8	90.7	91.1	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.1	92.1
IV 4000	50.5	83.0	87.5	90.1	92.1	92.5	93.2	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6
IV 3500	50.7	83.6	88.3	90.9	92.9	93.3	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 3000	50.7	84.1	88.9	91.5	93.6	94.0	94.6	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 2500	50.9	84.4	89.2	91.9	94.0	94.5	95.2	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.7	95.7
IV 2000	50.9	84.8	89.8	92.5	94.8	95.2	96.0	96.2	96.2	96.4	96.4	96.4	96.4	96.5	96.5	96.5
IV 1800	51.0	84.9	90.0	92.6	95.0	95.4	96.2	96.4	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7
IV 1500	51.0	85.2	90.3	93.0	95.4	95.8	96.6	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.2	97.2
IV 1200	51.1	85.4	90.6	93.4	95.8	96.2	97.1	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.7	97.7
IV 1000	51.1	85.6	90.8	93.7	96.2	96.6	97.4	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0
IV 900	51.1	85.7	90.9	93.7	96.2	96.6	97.5	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.1	98.1
IV 800	51.1	85.6	90.8	93.7	96.2	96.6	97.5	97.8	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.1
IV 700	51.1	85.7	90.9	93.8	96.3	96.7	97.6	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	51.1	85.9	91.4	94.3	96.7	97.1	98.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.8	98.8
IV 500	51.1	85.9	91.4	94.3	96.7	97.1	98.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.8	98.8
IV 400	51.1	86.0	91.5	94.6	97.2	97.7	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 300	51.1	86.0	91.6	94.6	97.4	97.8	98.8	99.2	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 200	51.1	86.0	91.6	94.6	97.4	97.8	98.9	99.2	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 100	51.1	86.0	91.6	94.6	97.4	97.8	98.9	99.2	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 0	51.1	86.0	91.6	94.6	97.4	97.8	98.9	99.2	99.3	99.5	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2412

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRANDDIE AIR ILLINOIS/RANTUL

20-63

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0400-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	24.1	46.0	51.2	55.7	57.9	58.6	60.0	60.4	60.5	61.1	61.4	61.4	61.8	61.8	61.9	62.1
IV 20000	25.8	52.3	58.3	63.1	66.4	67.7	68.9	69.6	69.8	70.3	70.7	70.7	71.1	71.1	71.2	71.4
IV 18000	25.8	52.3	58.3	63.1	66.5	67.3	67.0	69.7	69.8	70.4	70.8	70.8	71.2	71.2	71.3	71.9
IV 16000	26.0	52.3	58.3	63.1	66.5	67.3	67.0	69.7	69.9	70.5	70.8	70.8	71.2	71.2	71.4	71.5
IV 14000	27.5	53.7	59.7	64.6	68.1	68.9	70.6	71.3	71.5	72.1	72.4	72.4	72.8	72.9	72.9	73.1
IV 12000	28.5	55.8	62.2	67.2	70.8	71.7	73.4	74.2	74.3	74.9	75.3	75.3	75.7	75.7	75.8	76.0
IV 10000	29.5	58.8	65.5	70.2	74.8	75.7	77.4	78.2	78.4	79.0	79.3	79.7	79.7	79.8	79.8	80.1
IV 9000	29.7	59.2	66.0	71.3	75.4	76.3	78.1	78.9	79.0	79.6	80.0	80.0	80.4	80.4	80.5	80.7
IV 8000	30.1	60.7	67.7	73.1	77.3	78.3	80.1	80.9	81.1	81.7	82.1	82.1	82.5	82.6	82.6	82.9
IV 7000	30.6	62.0	69.0	74.4	78.7	79.6	81.2	82.3	82.5	83.1	83.5	83.5	83.9	83.9	84.2	84.2
IV 6000	31.6	63.5	70.7	76.2	80.5	81.4	83.3	84.1	84.3	85.0	85.3	85.3	85.7	85.8	85.9	86.1
IV 5000	32.2	64.9	72.3	77.7	82.1	83.1	85.1	85.9	86.1	86.7	87.0	87.0	87.5	87.5	87.6	87.8
IV 4500	32.3	65.3	72.7	78.2	82.6	83.6	85.6	86.4	86.6	87.2	87.6	87.6	88.0	88.0	88.1	88.3
IV 4000	32.5	66.5	74.3	79.8	84.3	85.3	87.3	88.1	88.3	89.0	89.4	89.4	89.8	89.8	89.9	90.2
IV 3500	33.3	67.8	75.5	81.1	85.7	86.7	88.7	89.6	89.8	90.5	90.9	90.9	91.3	91.3	91.5	91.7
IV 3000	33.6	68.7	76.7	82.6	87.3	88.3	90.4	91.2	91.4	92.1	92.5	92.5	92.9	92.9	93.1	93.3
IV 2500	33.6	69.0	77.0	82.9	87.6	88.6	90.9	91.7	91.9	92.6	93.0	93.0	93.4	93.4	93.6	93.9
IV 2000	33.8	69.6	77.7	83.7	88.6	89.6	91.6	92.5	92.7	93.3	93.7	93.7	94.2	94.2	94.4	94.6
IV 1800	33.8	69.6	77.7	83.8	88.7	89.6	91.7	92.6	92.8	93.4	93.8	93.8	94.2	94.2	94.4	94.7
IV 1500	33.9	70.0	78.1	84.2	89.2	90.2	92.3	93.1	93.3	94.0	94.4	94.4	94.8	94.8	95.0	95.3
IV 1200	34.0	70.2	78.4	84.6	89.7	90.8	92.9	93.8	94.0	94.7	95.1	95.1	95.5	95.5	95.7	95.9
IV 1000	34.0	70.5	78.8	85.2	90.4	91.5	93.7	94.6	94.8	95.5	95.9	95.9	96.3	96.3	96.5	96.7
IV 900	34.0	70.6	78.9	85.2	90.4	91.5	93.8	94.7	94.9	95.6	96.0	96.0	96.4	96.4	96.6	96.8
IV 800	34.0	70.7	79.0	85.3	90.7	91.8	94.0	95.0	95.2	95.9	96.3	96.3	96.7	96.7	96.9	97.1
IV 700	34.0	70.7	79.0	85.3	90.7	91.8	94.1	95.1	95.4	96.1	96.5	96.5	96.9	97.0	97.1	97.4
IV 600	34.0	71.0	79.4	85.9	91.3	92.4	94.6	95.7	96.0	96.8	97.2	97.2	97.7	97.7	97.9	98.1
IV 500	34.1	71.1	79.6	86.2	91.6	92.7	95.0	96.1	96.3	97.2	97.6	97.6	98.0	98.1	98.2	98.5
IV 400	34.1	71.1	79.6	86.2	91.7	92.8	95.2	96.3	96.6	97.4	97.8	97.8	98.3	98.3	98.5	98.8
IV 300	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	96.9	97.8	98.2	98.3	98.7	98.8	98.9	99.3
IV 200	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	97.0	98.0	98.4	98.4	98.9	98.9	99.2	99.5
IV 100	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	97.0	98.0	98.4	98.5	99.0	99.0	99.3	99.8
IV 0	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	97.0	98.0	98.4	98.5	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2539

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14800  
 STATION

CHANUTE AFB ILLINOIS/RAZ/OTOL  
 STATION NAME

36-70  
 YEARS

YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	25.7	46.1	51.3	54.0	55.4	55.8	56.4	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.1	
≥ 20000	30.2	55.0	61.0	64.4	66.4	66.8	67.5	67.9	67.9	68.1	68.2	68.2	68.2	68.2	68.4	
IV 18000	30.4	55.2	61.2	64.7	66.6	67.0	67.8	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.7	
IV 16000	30.5	55.4	61.5	64.8	66.8	67.2	67.9	68.3	68.4	68.6	68.6	68.6	68.7	68.7	68.8	
IV 14000	30.7	56.3	62.4	65.9	67.9	68.2	69.0	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.9	
IV 12000	31.0	58.2	64.4	68.0	70.2	70.6	71.4	71.8	71.8	72.0	72.0	72.0	72.1	72.1	72.3	
IV 10000	33.5	61.4	67.8	72.0	74.6	75.2	76.0	76.4	76.5	76.7	76.7	76.7	76.8	76.8	77.0	
IV 9000	33.9	62.2	68.7	72.9	75.5	76.1	76.9	77.4	77.4	77.6	77.6	77.7	77.7	77.7	77.9	
IV 8000	35.2	64.5	71.4	75.5	78.2	78.8	79.0	80.1	80.1	80.3	80.4	80.4	80.4	80.5	80.7	
IV 7000	35.8	66.0	72.9	77.1	79.9	80.5	81.3	81.9	81.9	82.1	82.2	82.2	82.2	82.3	82.5	
IV 6000	36.4	67.2	74.3	78.7	81.4	82.0	82.9	83.5	83.6	83.7	83.6	83.8	83.8	83.9	84.1	
IV 5000	37.0	68.5	75.7	80.2	83.0	83.6	84.6	85.2	85.2	85.4	85.4	85.4	85.5	85.6	85.8	
IV 4500	37.4	69.1	76.4	80.9	83.7	84.3	85.3	85.9	85.9	86.1	86.2	86.2	86.3	86.3	86.5	
IV 4000	37.6	69.3	77.2	81.8	84.6	85.2	86.2	86.8	86.9	87.1	87.1	87.1	87.2	87.3	87.5	
IV 3500	37.8	70.1	77.7	82.4	85.2	85.8	86.8	87.4	87.5	87.7	87.7	87.7	87.8	87.9	88.1	
IV 3000	38.3	71.3	79.0	83.3	86.9	87.5	88.5	89.1	89.2	89.4	89.4	89.4	89.5	89.5	89.8	
IV 2500	38.6	72.0	79.8	84.8	87.7	88.3	89.3	89.9	90.0	90.3	90.3	90.3	90.4	90.5	90.7	
IV 2000	39.0	72.7	80.7	85.6	88.8	89.4	90.4	91.1	91.2	91.4	91.4	91.4	91.5	91.6	91.8	
IV 1800	39.0	72.8	80.8	85.9	89.0	89.6	90.7	91.3	91.4	91.6	91.7	91.7	91.7	91.8	92.0	
IV 1500	39.3	73.3	81.3	86.4	89.5	90.2	91.3	92.0	92.1	92.3	92.3	92.3	92.4	92.5	92.7	
IV 1200	39.6	73.9	82.0	87.2	90.4	91.1	92.2	92.9	93.0	93.2	93.3	93.3	93.4	93.5	93.6	
IV 1000	39.9	74.5	82.8	88.2	91.6	92.3	93.5	94.2	94.3	94.5	94.5	94.5	94.6	94.7	94.9	
IV 900	39.9	74.6	83.1	88.6	92.1	92.8	94.0	94.8	94.9	95.1	95.2	95.3	95.3	95.4	95.6	
IV 800	40.0	75.0	83.5	89.0	92.8	93.5	94.8	95.6	95.7	95.9	95.9	95.9	96.0	96.1	96.2	
IV 700	40.1	75.2	83.8	89.4	93.2	94.0	95.4	96.3	96.4	96.6	96.7	96.7	96.8	96.8	97.1	
IV 600	40.1	75.3	84.0	89.7	93.6	94.4	95.9	96.9	97.0	97.3	97.4	97.4	97.5	97.5	97.8	
IV 500	40.1	75.4	84.1	89.9	93.9	94.8	96.5	97.6	97.7	98.1	98.2	98.2	98.3	98.3	98.6	
IV 400	40.1	75.5	84.1	89.9	94.0	95.0	96.7	97.9	98.0	98.4	98.5	98.5	98.6	98.6	98.9	
IV 300	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.1	98.2	98.7	98.9	98.9	99.0	99.0	99.3	
IV 200	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.2	98.3	98.9	99.0	99.0	99.2	99.2	99.7	
IV 100	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.2	98.3	98.9	99.0	99.0	99.2	99.3	99.7	
IV C	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.2	98.4	98.9	99.0	99.0	99.3	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS

3227

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLE AIR ILLINOIS/KANTON  
STATION NAME

16-70  
YEARS

MONTH

UL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	37.7	51.1	72.4	53.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥20000	46.7	63.4	65.4	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
≥18000	46.9	64.1	65.9	66.9	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥16000	47.1	64.4	66.2	67.2	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥14000	47.7	65.6	67.4	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥12000	48.8	67.5	69.4	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥10000	50.7	70.6	72.7	74.0	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥9000	51.6	71.5	74.0	75.4	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥8000	52.1	73.4	75.7	77.1	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥7000	53.0	74.6	77.3	78.8	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥6000	53.5	75.7	78.2	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥5000	54.1	76.7	79.2	80.8	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥4500	54.5	77.3	79.9	81.5	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥4000	55.7	79.1	81.0	83.5	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥3500	56.5	80.3	83.1	84.7	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥3000	57.9	82.5	85.3	87.1	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥2500	59.0	84.3	87.1	88.9	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥2000	60.3	86.6	89.8	91.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥1800	61.0	87.8	91.3	93.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥1500	61.4	89.0	92.0	94.5	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥1200	61.9	89.8	93.3	95.6	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥1000	61.9	90.0	93.7	95.9	97.5	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥900	62.0	90.1	93.8	96.2	97.8	97.9	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
≥800	62.0	90.3	94.1	96.5	98.1	98.3	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥700	62.0	90.4	94.2	96.6	98.3	98.4	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥600	62.0	90.5	94.3	96.7	98.4	98.5	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥500	62.0	90.5	94.3	96.7	98.6	98.7	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥400	62.0	90.5	94.3	96.7	98.6	98.7	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥300	62.0	90.5	94.3	96.7	98.6	98.7	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥200	62.0	90.5	94.3	96.7	98.6	98.7	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥100	62.0	90.5	94.3	96.7	98.6	98.7	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
0	62.0	90.5	94.3	96.7	98.6	98.7	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

3251

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLIE AB ILLINOIS/KANTWIL  
STATION NAME

38-70  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1400-1400  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	57.7	45.4	40.1	40.4	46.6	46.6	40.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 20000	49.7	60.6	61.0	62.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	50.0	60.8	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	50.1	61.3	62.0	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
IV 14000	50.9	62.0	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 12000	52.5	64.2	65.2	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
IV 10000	54.5	66.9	68.1	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 9000	54.9	67.8	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 8000	56.3	69.8	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	72.0
IV 7000	57.3	71.0	72.6	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 6000	58.1	72.2	73.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	60.5	75.7	77.3	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	62.0	77.4	79.2	80.0	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	63.4	82.3	84.0	85.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	67.3	84.4	86.4	87.8	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	59.6	88.3	90.5	91.5	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	71.0	90.5	92.7	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	71.9	92.2	94.5	95.7	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1800	72.0	92.5	94.8	96.0	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	72.2	93.0	95.5	96.7	97.0	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	72.4	93.6	96.3	97.5	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	72.4	94.0	96.8	98.1	98.5	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	72.4	94.1	96.9	98.2	98.6	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	72.4	94.2	97.0	98.3	98.8	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	72.4	94.2	97.0	98.4	98.8	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	72.5	94.3	97.1	98.4	98.9	99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	72.5	94.3	97.1	98.5	98.9	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3253

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14006  
 STATION

CHANDLER AFB ILLINOIS/AMTDL

26-70

YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1536-1700  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.9	52.8	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 20000	57.8	68.2	69.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 18000	58.0	68.9	70.0	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 15000	58.1	68.9	70.2	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 14000	59.1	70.2	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	61.3	72.7	74.1	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 10000	63.1	75.6	77.2	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 9000	63.7	76.2	77.9	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 8000	64.9	78.0	79.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 7000	66.0	79.6	81.5	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	67.0	81.0	82.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	68.3	83.1	85.0	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4500	68.7	84.0	86.0	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	71.8	87.6	89.9	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3500	73.0	89.5	91.9	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 3000	74.2	91.8	94.3	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 2500	74.9	92.9	95.5	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000	75.3	93.5	96.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	75.3	93.7	96.4	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	75.4	94.1	96.9	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200	75.5	94.3	97.1	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	75.5	94.3	97.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	75.5	94.4	97.2	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	75.5	94.3	97.2	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	75.5	94.4	97.3	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	75.5	94.4	97.3	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	75.5	94.4	97.3	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	75.5	94.4	97.3	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	75.5	94.4	97.3	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	75.5	94.4	97.3	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	75.5	94.4	97.3	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	75.5	94.4	97.3	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 3232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RAH/TDZL  
STATION NAME

J - 79  
YEARS

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	66.9	59.5	60.7	61.9	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	57.0	72.1	73.9	75.1	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 18000	57.0	72.3	74.1	75.4	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
16000	57.2	72.5	74.3	75.4	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 14000	58.1	73.9	75.8	77.0	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
12000	59.6	76.0	77.9	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 10000	61.4	79.2	81.3	82.8	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
9000	62.2	80.0	82.2	83.7	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 8000	63.4	82.0	84.2	85.7	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
7000	64.4	83.2	85.2	87.3	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 6000	65.0	84.3	86.6	88.4	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
5000	65.9	85.4	88.5	90.2	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2
IV 4500	66.3	86.5	89.2	90.9	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
4000	67.2	88.0	90.9	92.6	93.3	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 3500	67.4	88.4	91.4	93.2	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
3000	68.1	89.6	92.7	94.6	95.7	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
IV 2500	68.4	90.4	93.8	95.8	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2000	68.7	90.7	94.1	96.1	97.3	97.3	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	68.7	90.7	94.1	96.2	97.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1500	68.8	90.9	94.4	96.6	97.8	97.8	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	68.8	91.1	94.6	96.8	98.1	98.1	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
1000	68.8	91.1	94.7	97.0	98.4	98.4	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	68.8	91.2	94.8	97.1	98.4	98.4	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.3
800	68.8	91.2	94.9	97.1	98.5	98.5	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4
IV 700	68.8	91.2	94.9	97.1	98.5	98.6	99.1	99.3	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6
600	68.8	91.3	95.0	97.2	98.7	98.8	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9
400	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9
IV 300	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0
200	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.6	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0
IV 100	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.6	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0
0	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.6	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3100

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14B36  
STATION

CHANDLER AFB ILLINOIS/KANTJUL

37-70

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	49.1	67.3	73.4	71.9	72.6	73.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 20000	54.6	73.1	76.4	75.0	78.7	78.8	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 18000	53.8	73.2	76.5	78.1	78.9	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 16000	53.6	73.3	76.6	78.2	79.0	79.1	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 14000	54.3	74.3	77.7	79.3	80.1	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 12000	55.2	75.7	79.2	80.9	81.8	81.9	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 10000	56.6	78.5	82.2	84.1	84.9	85.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 9000	57.1	79.0	82.7	84.6	85.5	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 8000	57.7	80.3	84.2	86.3	87.2	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 7000	58.4	82.1	86.0	88.1	89.1	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 6000	59.3	83.7	87.7	89.8	90.8	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 5000	59.9	85.0	89.1	91.2	92.2	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4500	60.1	85.5	89.5	91.7	92.8	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 4000	60.3	86.3	90.3	92.7	93.7	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3500	60.5	86.8	91.0	93.3	94.4	94.5	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 3000	60.9	87.6	91.9	94.3	95.5	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2500	60.9	87.9	92.3	94.7	96.0	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	61.1	88.3	92.9	95.3	96.6	96.7	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	61.1	88.4	93.0	95.5	96.8	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1500	61.1	88.6	93.3	95.8	97.1	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	61.1	88.7	93.3	95.9	97.3	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	61.1	88.8	93.5	96.1	97.5	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	61.1	88.8	93.5	96.1	97.5	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	61.1	88.8	93.5	96.1	97.5	97.7	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	61.1	88.8	93.5	96.1	97.5	97.7	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	61.1	88.9	93.7	96.3	97.7	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	61.1	89.0	93.8	96.4	98.0	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	61.1	89.1	94.0	96.6	98.2	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	61.1	89.1	94.0	96.7	98.3	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	61.1	89.1	94.0	96.7	98.4	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	61.1	89.1	94.0	96.7	98.4	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	61.1	89.1	94.0	96.7	98.4	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2943

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14866  
STATION

CHANDLER AFB ILLINOIS/BAW1JUL  
STATION NAME

37-62  
YEARS

YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥5/16	≥1/8	≥0
NO CEILING	28.8	61.0	64.8	68.7	70.8	71.2	72.1	72.5	72.5	73.1	73.3	73.3	73.4	73.4	73.7	73.9
≥ 20000	30.5	64.8	69.1	73.1	75.4	75.7	76.7	77.1	77.2	77.6	77.9	77.9	78.1	78.1	78.4	78.5
IV 18000	30.5	64.9	69.2	73.2	75.4	75.8	76.8	77.2	77.3	77.8	78.0	78.0	78.2	78.2	78.5	78.6
IV 16000	31.3	66.5	71.0	75.0	77.2	77.6	78.6	78.9	79.0	79.6	79.8	79.8	80.0	80.0	80.3	80.4
IV 14000	31.9	68.2	72.8	76.9	79.2	79.6	80.7	81.1	81.2	81.8	81.9	81.9	82.1	82.1	82.4	82.5
IV 12000	32.5	70.0	74.7	78.9	81.2	81.6	82.8	83.1	83.2	83.8	84.0	84.0	84.2	84.2	84.4	84.6
IV 10000	32.9	70.9	75.8	79.9	82.2	82.6	83.8	84.2	84.3	84.9	85.0	85.1	85.2	85.2	85.5	85.6
IV 9000	33.4	72.4	77.3	81.6	83.9	84.2	85.5	85.9	86.0	86.6	86.8	86.8	87.0	87.0	87.3	87.4
IV 8000	33.7	73.4	78.5	82.9	85.2	85.6	86.9	87.4	87.5	88.0	88.2	88.2	88.4	88.4	88.7	88.8
IV 7000	33.9	74.2	79.2	83.7	86.1	86.5	87.8	88.3	88.4	89.0	89.2	89.2	89.5	89.5	89.7	89.9
IV 6000	34.3	75.4	80.6	85.2	87.7	88.1	89.5	89.9	90.0	90.6	90.8	90.8	91.1	91.1	91.4	91.5
IV 5000	34.4	76.6	81.6	86.5	89.2	89.6	90.9	91.4	91.5	92.1	92.3	92.3	92.6	92.6	92.8	93.0
IV 4500	34.7	76.8	82.1	87.1	89.8	90.2	91.6	92.0	92.1	92.7	92.9	92.9	93.2	93.2	93.5	93.6
IV 4000	34.8	77.0	82.6	87.6	90.4	90.8	92.1	92.6	92.7	93.3	93.5	93.5	93.8	93.8	94.0	94.2
IV 3500	35.0	77.5	83.1	88.2	90.9	91.4	92.7	93.2	93.3	93.9	94.1	94.1	94.3	94.3	94.6	94.7
IV 3000	35.2	77.8	83.6	89.0	91.8	92.3	93.7	94.3	94.3	95.0	95.2	95.2	95.4	95.4	95.7	95.8
IV 2500	35.4	78.0	83.7	89.2	92.0	92.4	93.9	94.4	94.5	95.1	95.3	95.3	95.6	95.6	95.9	96.0
IV 2000	35.6	78.3	84.2	89.7	92.7	93.2	94.7	95.2	95.3	95.9	96.2	96.2	96.4	96.4	96.7	96.8
IV 1800	35.4	78.7	84.5	90.2	93.3	93.8	95.2	95.8	95.9	96.5	96.7	96.7	97.0	97.0	97.3	97.4
IV 1500	35.5	78.8	84.7	90.5	93.8	94.3	95.8	96.4	96.4	97.1	97.3	97.3	97.5	97.5	97.8	97.9
IV 1200	35.5	78.9	84.8	90.7	93.9	94.4	95.9	96.5	96.6	97.2	97.4	97.4	97.6	97.6	97.9	98.1
IV 1000	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.7	96.8	97.4	97.6	97.6	97.9	97.9	98.2	98.3
IV 900	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.8	96.9	97.5	97.7	97.7	97.9	97.9	98.2	98.3
IV 800	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.8	96.9	97.5	97.7	97.7	98.0	98.0	98.3	98.4
IV 700	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.8	96.9	97.5	97.7	97.7	98.0	98.0	98.3	98.4
IV 600	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.8	96.9	97.5	97.7	97.7	98.0	98.0	98.3	98.4
IV 500	35.5	79.2	85.1	91.0	94.4	94.9	96.4	97.0	97.1	97.7	97.9	97.9	98.2	98.2	98.5	98.6
IV 400	35.5	79.2	85.1	91.0	94.4	94.9	96.4	97.0	97.1	97.7	97.9	97.9	98.2	98.2	98.5	98.6
IV 300	35.5	79.2	85.2	91.1	94.6	95.1	96.8	97.3	97.4	98.1	98.3	98.3	98.6	98.6	98.9	99.0
IV 200	35.5	79.2	85.2	91.1	94.6	95.1	96.8	97.3	97.4	98.1	98.3	98.3	98.6	98.6	98.9	99.0
IV 100	35.5	79.2	85.2	91.1	94.6	95.1	96.8	97.3	97.4	98.1	98.3	98.3	98.6	98.6	98.9	99.0
IV 0	35.5	79.2	85.2	91.1	94.7	95.2	96.9	97.6	97.7	98.4	98.6	98.6	98.9	98.9	99.2	99.3

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-05  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	17.9	44.6	31.1	36.6	60.2	60.7	62.6	63.5	63.7	64.8	65.4	65.4	65.7	65.7	66.0	66.4
IV 20000	16.0	47.9	34.9	31.1	65.2	65.8	65.0	69.0	69.2	70.3	70.9	70.9	71.3	71.3	71.6	72.0
IV 18000	18.8	47.9	35.0	31.1	65.4	65.9	66.0	69.1	69.3	70.4	70.9	71.0	71.4	71.4	71.7	72.1
IV 16000	18.9	48.0	35.1	31.3	65.5	66.1	66.2	69.3	69.5	70.6	71.1	71.2	71.6	71.6	71.9	72.3
IV 14000	19.4	49.2	36.5	33.0	67.2	67.8	69.9	70.9	71.2	72.2	72.8	72.9	73.3	73.3	73.9	74.0
IV 12000	19.6	50.8	38.7	35.7	70.3	70.9	73.3	74.4	74.6	75.7	76.3	76.7	76.8	76.8	77.0	77.5
IV 10000	20.6	53.1	41.2	38.3	73.2	73.8	76.2	77.3	77.5	78.6	79.2	79.2	79.7	79.7	80.0	80.4
IV 9000	20.9	53.7	41.9	39.0	73.9	74.5	76.9	78.0	78.2	79.3	79.9	79.9	80.4	80.4	80.7	81.1
IV 8000	21.4	55.2	43.6	40.8	75.8	76.4	78.8	80.0	80.2	81.3	81.9	81.9	82.4	82.4	82.8	83.1
IV 7000	21.6	56.3	44.8	42.6	77.6	78.2	80.6	81.7	82.0	83.0	83.6	83.7	84.2	84.2	84.4	84.9
IV 6000	21.6	57.1	45.9	43.7	78.7	79.4	82.0	83.1	83.3	84.4	85.0	85.0	85.6	85.6	85.8	86.2
IV 5000	22.2	58.8	47.9	45.4	80.5	81.2	83.7	84.8	85.1	86.1	86.7	86.8	87.3	87.3	87.6	88.0
IV 4500	22.3	59.1	48.1	45.9	81.1	81.9	84.4	85.6	85.8	86.9	87.5	87.5	88.1	88.1	88.3	88.7
IV 4000	22.5	60.0	49.1	47.2	82.5	83.2	85.8	87.0	87.2	88.3	88.9	88.9	89.5	89.5	89.7	90.2
IV 3500	22.6	60.4	49.0	47.8	83.2	83.9	86.5	87.7	88.0	89.1	89.7	89.8	90.3	90.3	90.6	91.0
IV 3000	22.8	60.8	49.2	48.4	83.8	84.5	87.2	88.3	88.6	89.8	90.4	90.4	91.0	91.0	91.2	91.7
IV 2500	22.9	61.1	49.6	48.9	84.4	85.0	87.7	88.9	89.1	90.3	90.9	90.9	91.5	91.5	91.8	92.2
IV 2000	23.2	61.6	49.1	49.6	85.1	85.9	88.6	89.8	90.1	91.3	91.9	91.9	92.5	92.5	92.8	93.2
IV 1800	23.2	61.7	49.3	49.8	85.3	86.1	88.8	90.1	90.3	91.5	92.1	92.2	92.8	92.8	93.0	93.5
IV 1500	23.5	61.9	49.6	50.2	85.8	86.5	89.3	90.6	90.8	92.0	92.6	92.7	93.3	93.3	93.5	94.0
IV 1200	23.5	62.1	49.8	50.5	86.2	87.0	89.8	91.1	91.3	92.5	93.1	93.2	93.8	93.8	94.1	94.5
IV 1000	23.5	62.3	49.8	51.0	86.8	87.6	90.4	91.7	92.0	93.2	93.9	93.9	94.5	94.5	94.8	95.3
IV 900	23.6	62.6	49.8	51.2	87.0	87.8	90.6	92.0	92.2	93.4	94.1	94.2	94.8	94.8	95.1	95.5
IV 800	23.7	62.8	49.7	51.5	87.4	88.1	91.0	92.4	92.7	93.9	94.6	94.6	95.2	95.2	95.5	96.0
IV 700	23.7	63.0	49.9	51.8	87.7	88.5	91.4	92.8	93.1	94.3	95.0	95.1	95.7	95.7	96.0	96.4
IV 600	23.8	63.1	49.9	52.0	87.9	88.7	91.7	93.1	93.4	94.6	95.4	95.4	96.0	96.0	96.3	96.8
IV 500	23.8	63.3	49.9	52.2	88.2	89.0	92.0	93.4	93.7	95.0	95.7	95.8	96.4	96.4	96.8	97.2
IV 400	23.8	63.3	49.9	52.3	88.3	89.1	92.1	93.7	94.1	95.4	96.1	96.2	96.8	96.8	97.2	97.6
IV 300	23.8	63.3	49.9	52.3	88.3	89.1	92.3	93.9	94.3	95.8	96.7	96.7	97.4	97.4	97.8	98.3
IV 200	23.8	63.3	49.9	52.3	88.3	89.1	92.4	94.0	94.3	95.9	96.9	97.0	97.8	97.8	98.2	98.7
IV 100	23.8	63.3	49.9	52.3	88.3	89.1	92.4	94.1	94.4	96.0	97.0	97.0	97.9	97.9	98.3	98.8
IV 0	23.8	63.3	49.9	52.3	88.3	89.1	92.4	94.1	94.4	96.0	97.0	97.0	98.0	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2540

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
GROUPS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	½	≥5/16	¼	≥0
NO CEILING	17.0	40.9	47.1	51.9	55.5	56.5	57.9	58.6	59.0	59.3	59.5	59.5	59.7	59.7	59.8	59.9
IV 20000	19.4	46.8	54.0	59.5	63.6	64.7	65.4	67.5	67.7	68.0	68.2	68.3	68.4	68.5	68.5	68.6
IV 18000	19.5	47.0	54.2	59.9	63.9	65.0	66.8	67.8	68.0	68.4	68.6	68.6	68.8	68.8	68.9	69.0
IV 16000	19.5	47.2	54.4	60.0	64.1	65.2	66.9	68.0	68.2	68.5	68.7	68.7	68.9	68.9	69.0	69.1
IV 14000	19.8	47.7	55.3	60.9	65.1	66.2	68.0	69.1	69.3	69.6	69.8	69.8	70.0	70.0	70.1	70.2
IV 12000	20.5	49.7	57.8	63.7	68.2	69.3	71.1	72.3	72.5	72.8	73.0	73.0	73.2	73.2	73.3	73.4
IV 10000	21.6	52.1	60.9	66.8	71.7	72.9	74.8	75.9	76.2	76.5	76.7	76.7	76.9	76.9	77.0	77.1
IV 9000	21.8	52.7	61.2	67.4	72.6	73.8	75.7	76.9	77.1	77.4	77.6	77.6	77.8	77.9	77.9	78.0
IV 8000	22.7	55.1	63.8	70.4	75.4	76.7	78.8	79.9	80.2	80.5	80.7	80.7	80.9	81.0	81.0	81.1
IV 7000	23.2	56.4	65.5	72.4	77.4	78.7	80.8	82.0	82.2	82.5	82.7	82.8	83.0	83.0	83.1	83.2
IV 6000	23.5	57.3	66.0	73.5	78.6	80.0	82.1	83.3	83.5	83.9	84.1	84.1	84.3	84.4	84.4	84.6
IV 5000	23.9	58.4	67.9	74.9	80.2	81.5	83.6	85.0	85.2	85.6	85.8	85.8	86.0	86.1	86.1	86.2
IV 4500	24.0	58.5	68.4	75.5	80.8	82.2	84.4	85.7	85.9	86.3	86.4	86.5	86.7	86.7	86.8	86.9
IV 4000	24.4	59.9	69.6	76.8	82.3	83.7	85.9	87.2	87.4	87.8	88.0	88.0	88.2	88.3	88.3	88.5
IV 3500	24.5	60.1	69.9	77.1	82.6	83.9	86.2	87.5	87.7	88.1	88.3	88.3	88.5	88.6	88.6	88.8
IV 3000	24.7	60.8	70.7	78.1	83.7	85.1	87.3	88.7	88.9	89.3	89.6	89.6	89.8	89.8	89.9	90.0
IV 2500	24.9	61.2	71.2	78.7	84.4	85.7	88.0	89.3	89.6	90.0	90.2	90.2	90.5	90.5	90.6	90.7
IV 2000	25.1	61.6	71.7	79.5	85.2	86.6	88.9	90.2	90.5	91.0	91.2	91.2	91.5	91.5	91.6	91.7
IV 1800	25.2	61.8	71.8	79.6	85.4	86.7	89.0	90.4	90.7	91.1	91.4	91.4	91.7	91.7	91.8	91.9
IV 1500	25.3	62.1	72.4	80.2	86.1	87.5	89.8	91.2	91.5	92.0	92.3	92.3	92.6	92.6	92.7	92.8
IV 1200	25.5	62.6	72.9	81.0	86.9	88.3	90.7	92.1	92.4	93.0	93.3	93.3	93.6	93.6	93.6	93.7
IV 1000	25.6	63.0	73.5	81.5	87.6	89.0	91.4	92.7	93.2	93.7	94.0	94.1	94.3	94.3	94.4	94.5
IV 900	25.6	63.2	73.7	81.8	88.0	89.5	91.9	93.4	93.7	94.2	94.6	94.6	94.8	94.9	94.9	95.0
IV 800	25.7	63.3	73.9	82.1	88.4	89.9	92.4	93.9	94.2	94.8	95.1	95.1	95.4	95.4	95.5	95.6
IV 700	25.7	63.4	74.1	82.4	88.7	90.2	92.8	94.4	94.7	95.3	95.6	95.6	95.9	95.9	95.9	96.1
IV 600	25.7	63.6	74.3	82.6	89.1	90.7	93.3	95.0	95.3	95.9	96.2	96.2	96.5	96.5	96.6	96.7
IV 500	25.7	63.8	74.5	83.0	89.5	91.1	93.9	95.6	96.0	96.6	96.9	96.9	97.2	97.2	97.3	97.5
IV 400	25.7	63.8	74.5	83.2	89.8	91.5	94.4	96.3	96.6	97.3	97.6	97.7	98.0	98.0	98.1	98.3
IV 300	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.6	96.9	97.8	98.2	98.3	98.6	98.7	98.9	99.0
IV 200	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.7	97.0	97.9	98.4	98.4	98.8	98.8	99.0	99.1
IV 100	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.7	97.0	97.9	98.4	98.4	98.8	98.9	99.2	99.4
IV 0	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.7	97.0	97.9	98.4	98.4	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

3220

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRANTLE AFB ILLINOIS/KAN/TUL  
STATION NAME

26-70  
YEARS

MONTH

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.3	51.6	55.5	56.7	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	39.2	60.8	65.1	66.4	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 18000	39.4	61.1	65.4	66.8	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	39.6	61.4	65.7	67.1	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 14000	40.1	62.4	66.8	68.2	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	41.3	64.7	69.5	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000	43.2	68.0	72.9	74.5	74.6	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000	43.7	68.8	73.6	75.5	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	44.6	70.6	75.7	77.5	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 7000	44.9	71.3	75.7	78.5	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	45.3	72.3	77.7	79.6	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	46.0	73.6	79.3	81.2	81.7	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	46.4	74.2	80.0	81.8	82.4	82.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	47.5	76.1	82.0	84.1	84.7	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	48.1	77.2	83.2	85.2	85.9	86.0	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	49.1	78.8	85.0	87.2	87.9	88.0	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	49.9	80.0	86.3	88.6	89.3	89.5	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	50.8	81.8	88.3	90.7	91.4	91.5	92.0	92.1	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	51.0	82.3	88.8	91.3	92.1	92.2	92.7	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	51.5	83.5	90.2	92.8	93.6	93.8	94.2	94.4	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	52.0	84.3	91.1	93.9	94.8	95.0	95.4	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	52.1	84.9	91.9	94.7	95.6	95.9	96.4	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	52.1	85.2	92.2	95.3	96.3	96.5	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	52.2	85.4	92.5	95.7	96.9	97.0	97.6	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	52.2	85.6	92.7	96.0	97.3	97.5	98.1	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	52.2	85.8	92.9	96.3	97.6	97.9	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	52.3	85.9	93.1	96.5	97.8	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	52.3	85.9	93.2	96.6	98.0	98.3	99.0	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3253

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRANDIE AFB ILLINOIS/KANTJUL  
STATION NAME

10-70  
YEARS

YEARS

1200  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	40.0	49.4	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 18000	40.8	51.0	53.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	49.0	62.0	64.0	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 14000	50.0	63.4	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 12000	51.6	65.7	67.9	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	53.3	68.1	70.4	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 9000	55.0	68.6	70.9	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	54.6	70.2	72.6	73.5	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 7000	54.9	71.1	73.5	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	55.3	71.9	74.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 5000	57.1	74.7	77.5	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4500	57.9	75.9	78.6	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2
IV 4000	50.0	79.4	82.5	83.7	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3500	62.0	81.7	84.9	86.3	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	64.4	85.1	88.4	89.9	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 2500	65.7	87.2	90.5	92.0	92.3	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	66.7	89.2	92.8	94.3	94.5	94.6	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	66.9	89.7	93.4	95.1	95.5	95.6	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	67.2	90.4	94.3	96.2	96.6	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	67.3	90.9	94.9	96.8	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	67.4	91.4	95.5	97.5	97.9	98.0	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	67.4	91.6	95.7	97.7	98.2	98.3	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	67.4	91.6	95.9	97.7	98.3	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	67.4	91.7	96.0	98.0	98.5	98.6	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	67.4	91.9	96.2	98.2	98.6	98.8	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	67.5	91.9	96.3	98.3	98.7	98.9	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	67.5	91.9	96.3	98.3	98.8	99.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	67.5	91.9	96.3	98.3	98.8	99.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	67.5	91.9	96.3	98.3	98.8	99.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	67.5	91.9	96.3	98.3	98.8	99.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	67.5	91.9	96.3	98.3	98.8	99.0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

3225

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	45.6	54.9	56.4	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	54.8	67.7	69.3	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	54.7	67.9	69.0	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	54.6	68.4	70.0	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 14000	55.8	69.5	71.2	71.6	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 12000	57.6	72.3	74.2	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 10000	50.0	75.7	77.8	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 9000	61.0	77.0	79.2	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 8000	62.4	79.2	81.5	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 7000	63.0	80.1	82.5	83.3	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 6000	63.6	81.1	83.5	84.3	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 5000	64.9	83.1	85.6	86.4	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	65.6	84.0	86.5	87.5	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 4000	67.4	86.6	89.2	90.3	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 3500	68.2	87.6	90.3	91.5	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 3000	69.1	89.3	92.0	93.4	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2500	69.9	91.1	94.0	95.4	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000	70.1	92.0	95.0	96.5	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	70.1	92.2	95.3	96.8	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	70.3	92.8	95.8	97.4	97.9	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	70.4	93.0	96.0	97.6	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	70.5	93.1	96.1	97.8	98.4	98.5	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	70.5	93.1	96.2	97.8	98.5	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	70.5	93.2	96.2	97.9	98.6	98.6	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	70.5	93.3	96.4	98.1	98.6	98.9	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5
IV 600	70.5	93.4	96.4	98.2	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7
IV 500	70.5	93.4	96.5	98.3	99.0	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 400	70.5	93.4	96.5	98.3	99.0	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 300	70.5	93.4	96.5	98.3	99.0	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	70.5	93.4	96.5	98.3	99.0	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	70.5	93.4	96.5	98.3	99.0	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	70.5	93.4	96.5	98.3	99.0	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3251

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
STATION

CHARLIE AFB ILLINOIS/RAHTEPA  
STATION NAME

10-70  
YEARS

100  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1000  
HOURS

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	44.9	51.0	53.7	65.1	65.7	65.9	65.9	63.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 18000 IV 16000	50.2	70.7	73.9	75.4	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 14000 IV 12000	50.8	71.9	75.2	75.8	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000 IV 9000	54.8	77.0	80.9	82.2	83.0	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 8000 IV 7000	55.7	80.5	84.8	86.7	87.2	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 6000 IV 5000	57.0	82.7	87.4	89.3	90.1	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 4500 IV 4000	57.9	84.3	89.4	91.6	92.6	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 3500 IV 3000	58.8	86.4	91.4	93.8	94.8	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500 IV 2000	59.3	87.7	92.8	95.3	96.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1800 IV 1500	59.4	88.1	93.3	96.2	97.1	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200 IV 1000	59.6	88.6	93.9	96.7	98.0	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900 IV 800	59.6	88.7	94.1	97.0	98.2	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700 IV 600	59.6	88.8	94.2	97.2	98.6	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500 IV 400	59.6	88.8	94.3	97.3	98.7	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300 IV 200	59.6	88.8	94.3	97.4	98.9	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100 IV 0	59.6	88.8	94.3	97.4	98.9	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

3103

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2190-2300  
HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING ≥ 20000	59.7	69.5	69.8	72.3	73.0	73.8	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.6
IV 18000	42.1	69.9	74.6	77.3	78.6	78.9	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8
IV 16000	42.2	70.1	74.9	77.6	78.9	79.2	79.8	79.8	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.1
IV 14000	42.9	71.0	75.9	78.6	80.3	80.2	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.1	81.1
IV 12000	43.7	72.7	77.8	80.5	81.9	82.1	82.8	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.1
IV 10000	44.8	74.0	79.8	82.6	84.1	84.4	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.4
IV 9000	45.2	75.6	80.8	83.6	85.2	85.4	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.5	86.5	86.6
IV 8000	46.2	78.1	83.6	86.5	88.1	88.4	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.5	89.5	89.6
IV 7000	46.8	79.1	84.7	87.6	89.3	89.5	90.3	90.4	90.4	90.5	90.6	90.6	90.6	90.7	90.7	90.7
IV 6000	47.3	80.0	85.7	88.7	90.4	90.7	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.9
IV 5000	47.9	81.6	87.5	90.6	92.5	92.8	93.6	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0
IV 4500	48.1	82.0	88.0	91.2	93.1	93.3	94.2	94.3	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6
IV 4000	48.3	82.7	88.8	92.1	93.9	94.2	95.1	95.2	95.2	95.3	95.4	95.4	95.5	95.5	95.5	95.5
IV 3500	48.5	83.2	89.3	92.6	94.5	94.8	95.7	95.8	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1
IV 3000	48.6	83.6	89.9	93.3	95.2	95.5	96.5	96.5	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
IV 2500	48.7	83.8	90.2	93.6	95.6	95.9	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2
IV 2000	48.8	84.1	90.5	93.9	96.1	96.4	97.3	97.4	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IV 1800	48.8	84.2	90.7	94.1	96.2	96.5	97.5	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
IV 1500	48.8	84.3	90.9	94.4	96.3	96.8	97.9	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3
IV 1200	48.8	84.4	91.1	94.6	96.4	97.1	98.1	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6
IV 1000	48.9	84.4	91.1	94.7	96.5	97.2	98.3	98.4	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8
IV 900	48.9	84.4	91.1	94.7	96.5	97.2	98.3	98.4	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8
IV 800	48.9	84.5	91.2	94.9	97.1	97.4	98.5	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.1
IV 700	48.9	84.5	91.3	94.9	97.1	97.5	98.6	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.3
IV 600	48.9	84.6	91.3	95.0	97.2	97.6	98.7	98.9	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.4
IV 500	48.9	84.7	91.4	95.2	97.3	97.8	98.9	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7
IV 400	48.9	84.7	91.5	95.2	97.3	97.9	99.0	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8
IV 300	48.9	84.7	91.5	95.3	97.4	98.0	99.1	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 200	48.9	84.7	91.5	95.3	97.4	98.0	99.1	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 100	48.9	84.7	91.5	95.3	97.4	98.0	99.1	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 0	48.9	84.7	91.5	95.3	97.6	98.0	99.1	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2941

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHAMBLE AFB ILLINOIS/RANTUL  
STATION NAME

16-63  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	38.9	61.4	64.9	66.7	67.5	68.2	69.0	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.7	69.7
≥ 20000	40.3	65.0	68.9	70.3	72.0	72.3	73.1	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.8	73.9
IV 18000	40.3	65.1	69.1	70.4	72.1	72.4	73.2	73.6	73.7	73.7	73.7	73.7	73.8	73.8	74.0	74.0
IV 16000	40.3	65.1	69.1	70.4	72.1	72.4	73.2	73.6	73.7	73.7	73.7	73.7	73.8	73.8	74.0	74.0
IV 14000	40.6	65.7	69.8	71.2	73.0	73.3	74.1	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.8	74.8
IV 12000	41.5	67.3	71.4	72.7	74.5	74.8	75.7	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.4	76.4
IV 10000	43.1	70.0	74.1	75.5	77.3	77.6	78.4	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.2	79.7
IV 9000	43.3	70.5	74.6	76.0	77.9	78.1	79.0	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.7	79.7
IV 8000	44.2	72.5	76.8	78.3	80.1	80.4	81.2	81.7	81.8	81.8	81.8	81.8	81.9	81.9	82.1	82.1
IV 7000	44.8	74.5	78.8	80.3	82.5	82.7	83.6	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.4	84.4
IV 6000	45.4	74.1	80.5	82.3	84.2	84.5	85.4	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.2	86.7
IV 5000	46.0	77.3	81.6	83.6	85.6	85.9	86.9	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.6	87.6
IV 500	46.2	77.0	82.4	84.1	86.2	86.5	87.5	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.2	88.2
IV 4000	46.4	78.7	83.4	85.3	87.5	87.8	88.7	89.1	89.2	89.3	89.3	89.3	89.4	89.4	89.5	89.5
IV 3500	46.7	79.9	84.2	86.3	88.5	88.8	89.7	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.5	90.6
IV 3000	47.0	80.3	85.1	87.3	89.7	90.0	91.0	91.5	91.5	91.6	91.6	91.6	91.7	91.7	91.8	91.9
IV 2500	47.2	80.9	85.7	88.2	90.6	90.9	91.9	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.7	92.8
IV 2000	47.3	81.6	86.5	89.3	91.7	92.1	93.2	93.6	93.6	93.7	93.8	93.8	93.9	93.9	94.0	94.0
IV 1800	47.3	81.8	86.7	89.5	92.0	92.3	93.4	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.3	94.3
IV 1500	47.5	82.4	87.4	90.2	92.8	93.2	94.3	94.7	94.7	94.9	95.0	95.0	95.0	95.0	95.2	95.2
IV 1200	47.6	83.0	88.0	91.0	93.7	94.1	95.2	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.2
IV 1000	47.7	83.2	88.2	91.4	94.2	94.7	95.8	96.3	96.4	96.6	96.6	96.6	96.7	96.7	96.8	96.9
IV 900	47.7	83.4	88.6	91.7	94.6	95.1	96.3	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.4
IV 800	47.7	83.4	88.8	91.9	94.8	95.4	96.6	97.1	97.1	97.3	97.4	97.4	97.5	97.5	97.6	97.6
IV 700	47.7	83.5	88.9	92.3	95.2	95.8	97.1	97.6	97.6	97.9	97.9	97.9	98.1	98.1	98.2	98.2
IV 600	47.7	83.5	88.9	92.3	95.4	96.1	97.4	97.9	97.9	98.2	98.2	98.2	98.4	98.4	98.5	98.5
IV 500	47.7	83.5	89.0	92.4	95.5	96.1	97.5	98.2	98.2	98.6	98.6	98.6	98.8	98.8	98.9	98.9
IV 400	47.7	83.7	89.2	92.7	95.7	96.4	97.8	98.6	98.6	99.0	99.1	99.1	99.2	99.2	99.3	99.3
IV 300	47.7	83.7	89.2	92.7	95.7	96.4	97.8	98.7	98.8	99.3	99.4	99.4	99.6	99.6	99.7	99.7
IV 200	47.7	83.7	89.2	92.7	95.8	96.4	97.9	98.8	98.8	99.3	99.4	99.4	99.6	99.6	99.8	99.8
IV 100	47.7	83.7	89.2	92.7	95.8	96.4	97.9	98.8	98.8	99.3	99.4	99.4	99.7	99.7	99.8	99.9
IV 0	47.7	83.7	89.2	92.7	95.8	96.4	97.9	98.8	98.8	99.3	99.4	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2427

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
 STATION

CHAMPAIGN ILLINOIS/RANTJUL  
 STATION NAME

10-65  
 YEARS

SEP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
 GROUP TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	77.0	50.8	55.0	59.0	62.1	62.4	63.7	64.5	64.6	65.1	65.2	65.2	65.6	65.6	65.7	66.1
≥ 20000	23.8	53.1	58.5	62.5	65.9	66.3	67.7	68.5	68.6	69.2	69.4	69.4	69.8	69.8	69.8	70.3
IV 18000	23.8	53.1	58.7	62.5	66.0	66.3	67.8	68.6	68.7	69.3	69.5	69.5	69.8	69.8	69.9	70.4
IV 16000	28.8	53.1	58.7	62.6	66.0	66.3	67.8	69.0	68.7	69.3	69.5	69.5	69.8	69.8	69.9	70.4
IV 14000	29.2	53.5	59.2	63.1	66.7	67.0	68.5	69.4	69.5	70.0	70.2	70.2	70.6	70.6	70.7	71.1
IV 12000	29.6	54.9	60.7	65.0	68.6	69.0	70.6	71.5	71.5	72.2	72.4	72.4	72.8	72.8	72.8	73.2
IV 10000	31.1	57.5	63.7	67.9	71.7	72.1	73.7	74.6	74.7	75.3	75.5	75.5	75.9	75.9	76.0	76.4
IV 9000	41.2	58.1	64.3	68.4	72.4	72.8	74.5	75.4	75.4	76.1	76.3	76.3	76.7	76.7	76.7	77.2
IV 8000	32.1	60.2	66.7	71.1	75.0	75.4	77.2	78.1	78.2	78.8	79.0	79.0	79.4	79.4	79.5	79.9
IV 7000	32.5	61.5	68.5	73.2	77.2	77.6	79.3	80.3	80.3	81.0	81.2	81.2	81.6	81.6	81.6	82.1
IV 6000	33.0	62.7	69.6	74.2	78.3	78.8	80.6	81.5	81.6	82.2	82.4	82.4	82.8	82.8	82.9	83.3
IV 5000	33.6	64.1	70.9	75.4	79.5	80.3	82.1	83.0	83.1	83.7	83.9	83.9	84.3	84.3	84.4	84.9
IV 4500	33.8	64.6	71.5	76.4	80.5	81.0	82.8	83.7	83.8	84.4	84.6	84.6	85.0	85.0	85.1	85.6
IV 4000	33.9	65.4	72.5	77.5	81.7	82.2	84.0	85.0	85.1	85.7	85.9	85.9	86.3	86.3	86.4	86.9
IV 3500	34.1	66.0	73.1	78.1	82.3	82.9	84.7	85.6	85.7	86.4	86.6	86.6	87.0	87.0	87.0	87.5
IV 3000	34.4	66.9	74.1	79.4	83.6	84.2	86.0	86.9	87.0	87.7	87.9	87.9	88.3	88.3	88.4	88.9
IV 2500	34.6	67.8	75.0	80.5	84.8	85.3	87.2	88.1	88.2	88.9	89.1	89.1	89.6	89.6	89.6	90.1
IV 2000	35.0	68.7	76.0	81.7	86.1	86.6	88.5	89.5	89.6	90.4	90.6	90.6	91.0	91.0	91.1	91.6
IV 1800	35.1	68.7	76.0	81.8	86.2	86.7	88.6	89.6	89.6	90.5	90.7	90.7	91.1	91.1	91.2	91.7
IV 1500	35.2	69.0	76.4	82.3	86.6	87.2	89.2	90.2	90.3	91.1	91.3	91.4	91.8	91.8	91.9	92.4
IV 1200	35.4	69.6	77.0	83.1	87.6	88.1	89.9	91.0	91.1	91.9	92.1	92.2	92.6	92.6	92.7	93.2
IV 1000	35.6	70.0	77.6	83.8	88.5	89.0	91.1	92.2	92.3	93.1	93.3	93.4	93.8	93.8	94.0	94.4
IV 900	35.6	70.1	77.8	84.1	88.8	89.4	91.5	92.6	92.7	93.5	93.7	93.8	94.2	94.2	94.4	94.8
IV 800	35.6	70.4	78.1	84.6	89.5	90.0	92.2	93.5	93.5	94.4	94.6	94.7	95.2	95.2	95.3	95.8
IV 700	35.7	70.4	78.3	85.0	89.8	90.4	92.7	93.9	94.0	95.0	95.0	95.2	95.7	95.7	95.9	96.4
IV 600	35.8	70.6	78.5	85.3	90.3	90.9	93.3	94.6	94.6	95.7	95.9	96.7	96.5	96.5	96.6	97.1
IV 500	35.8	70.8	78.7	85.5	90.5	91.2	93.6	95.0	95.0	96.1	96.3	96.4	96.8	96.8	97.0	97.5
IV 400	35.9	70.8	78.8	85.5	90.6	91.2	93.7	95.2	95.3	96.6	96.9	96.9	97.4	97.4	97.5	98.1
IV 300	35.9	70.9	78.8	85.6	90.7	91.3	93.9	95.5	95.7	97.0	97.4	97.4	98.0	98.0	98.1	98.7
IV 200	35.9	70.9	79.0	85.7	90.9	91.5	94.1	95.7	95.9	97.4	97.8	97.8	98.5	98.5	98.7	99.2
IV 100	35.9	70.9	79.0	85.7	90.9	91.5	94.1	95.7	96.0	97.4	97.9	98.0	98.7	98.7	99.0	99.6
IV 0	35.9	70.9	79.0	85.7	90.9	91.5	94.1	95.7	96.0	97.4	97.9	98.0	98.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

2537

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHICAGO AFB ILLINOIS/NAVY/AF  
STATION NAME

26-70  
YEARS

MONTH

1970

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0900  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	22.1	40.2	46.2	49.8	52.4	53.1	54.3	55.2	55.4	55.8	56.0	56.0	56.1	56.1	56.2	56.7
IV 18000	23.8	42.1	51.7	56.7	59.2	59.9	61.2	62.3	62.5	63.1	63.2	63.2	63.3	63.4	63.4	63.9
IV 16000	23.9	42.2	51.8	56.8	59.3	60.0	61.3	62.4	62.6	63.2	63.4	63.4	63.5	63.5	63.5	64.1
IV 14000	24.0	42.4	52.1	56.9	59.4	60.2	61.5	62.5	62.8	63.4	63.6	63.6	63.7	63.7	63.7	64.3
IV 12000	24.2	42.5	52.3	57.1	59.6	60.3	61.6	62.7	63.8	64.0	64.6	64.7	64.8	64.9	64.9	65.4
IV 10000	24.7	42.7	52.7	57.3	59.8	60.5	61.8	62.9	63.9	64.1	64.7	64.7	64.8	64.9	64.9	65.4
IV 9000	25.8	42.9	52.9	57.4	59.9	60.6	61.9	63.0	64.0	64.2	64.8	64.8	64.9	64.9	64.9	65.4
IV 8000	26.3	43.0	53.0	57.5	60.0	60.7	62.0	63.1	64.1	64.3	64.9	64.9	65.0	65.0	65.0	65.5
IV 7000	27.3	43.2	53.2	57.6	60.1	60.8	62.1	63.2	64.2	64.4	65.0	65.0	65.1	65.1	65.1	65.6
IV 6000	27.7	43.4	53.4	57.7	60.2	60.9	62.2	63.3	64.3	64.5	65.1	65.1	65.2	65.2	65.2	65.7
IV 5000	28.1	43.5	53.5	57.8	60.3	61.0	62.3	63.4	64.4	64.6	65.2	65.2	65.3	65.3	65.3	65.8
IV 4500	28.5	43.7	53.7	57.9	60.4	61.1	62.4	63.5	64.5	64.7	65.3	65.3	65.4	65.4	65.4	65.9
IV 4000	28.9	43.8	53.8	58.0	60.5	61.2	62.5	63.6	64.6	64.8	65.4	65.4	65.5	65.5	65.5	66.0
IV 3500	29.0	43.9	53.9	58.1	60.6	61.3	62.6	63.7	64.7	64.9	65.5	65.5	65.6	65.6	65.6	66.1
IV 3000	29.3	44.0	54.0	58.2	60.7	61.4	62.7	63.8	64.8	65.0	65.6	65.6	65.7	65.7	65.7	66.2
IV 2500	29.7	44.1	54.1	58.3	60.8	61.5	62.8	63.9	64.9	65.1	65.7	65.7	65.8	65.8	65.8	66.3
IV 2000	30.2	44.2	54.2	58.4	60.9	61.6	62.9	64.0	65.0	65.2	65.8	65.8	65.9	65.9	65.9	66.4
IV 1800	30.4	44.3	54.3	58.5	61.0	61.7	63.0	64.1	65.1	65.3	65.9	65.9	66.0	66.0	66.0	66.5
IV 1500	30.7	44.4	54.4	58.6	61.1	61.8	63.1	64.2	65.2	65.4	66.0	66.0	66.1	66.1	66.1	66.6
IV 1200	30.9	44.5	54.5	58.7	61.2	61.9	63.2	64.3	65.3	65.5	66.1	66.1	66.2	66.2	66.2	66.7
IV 1000	31.0	44.6	54.6	58.8	61.3	62.0	63.3	64.4	65.4	65.6	66.2	66.2	66.3	66.3	66.3	66.8
IV 900	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 800	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 700	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 600	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 500	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 400	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 300	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 200	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 100	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9
IV 0	31.2	44.7	54.7	58.9	61.4	62.1	63.4	64.5	65.5	65.7	66.3	66.3	66.4	66.4	66.4	66.9

TOTAL NUMBER OF OBSERVATIONS

3146

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14835  
STATION

CRANFIE AIR ILLINOIS/KAMTEL  
STATION NAME

19-70  
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS UT-511

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	43.3	44.0	43.0	43.4	44.4	46.1	46.4	47.7	49.1	49.6	50.0	51.0	51.8	52.8	53.4	54.1
IV 18000 15000	54.7	55.9	56.6	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 14000 12000	62.8	64.2	65.3	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 10000 9000	68.3	70.2	71.4	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000 7000	70.9	72.0	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000 5000	75.2	76.5	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500 4000	78.0	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500 3000	81.4	83.0	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	83.7
IV 2500 2000	84.9	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800 1500	88.1	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1200 1000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 900 800	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 700 600	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 500 400	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 300 200	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 100 0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

3145

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHERRY AFB ILLINOIS/RANTOUL  
STATION NAME

10-70  
YEAR

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	43.5	51.5	51.5	51.6	51.5	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	51.2	61.6	62.1	62.4	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 18000	51.4	61.7	62.2	62.5	62.6	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 16000	51.5	61.9	62.4	62.7	63.0	62.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	52.0	62.6	63.1	63.4	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000	53.2	64.4	64.9	65.2	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	55.2	67.5	68.1	68.4	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 9000	55.7	68.3	68.9	69.7	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	55.9	70.4	71.0	71.4	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	58.0	71.9	72.5	73.0	73.4	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	58.7	72.9	73.6	74.1	74.3	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	60.0	75.2	76.1	76.6	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	60.0	76.1	77.1	77.6	78.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	63.6	79.8	81.0	81.5	82.0	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	65.2	82.3	83.5	84.1	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	67.2	85.4	86.7	87.4	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	68.7	87.6	88.9	89.9	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2000	69.4	89.2	90.7	91.7	92.5	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	69.5	89.7	91.2	92.2	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	70.0	91.0	92.7	93.8	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	70.2	92.0	93.9	95.0	95.9	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1000	70.4	92.5	94.6	95.8	96.9	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	70.4	92.7	94.8	96.0	97.2	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	70.4	92.9	95.1	96.5	97.8	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	70.4	93.1	95.3	96.7	98.1	98.2	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	70.4	93.3	95.5	96.9	98.4	98.5	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	70.4	93.5	95.8	97.0	98.5	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	70.4	93.4	95.0	97.1	98.6	98.7	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	70.4	93.4	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	70.4	93.4	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	70.4	93.6	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	70.4	93.6	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3146

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806 STATION CHANOTE AFB ILLINOIS/ILMTEL IL J6-70 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

100-1700  
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	48.7	55.7	56.1	56.2	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	57.1	66.9	67.5	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 18000	57.3	67.2	67.8	68.0	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	57.5	67.3	68.0	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	57.6	67.9	68.5	68.7	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 12000	59.2	69.9	70.6	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 10000	61.1	72.6	73.9	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 9000	61.6	73.5	74.6	74.6	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	63.4	76.4	77.3	77.5	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	64.3	78.2	79.1	79.4	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 6000	65.3	79.7	80.7	81.1	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	66.7	82.0	83.2	83.6	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	67.6	83.2	84.4	84.8	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4000	69.7	86.1	87.3	87.8	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500	70.7	87.6	88.8	89.3	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3000	71.6	89.1	90.4	91.0	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	72.1	90.2	91.9	92.2	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3
IV 2000	72.5	91.0	92.5	93.2	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5
IV 1800	72.7	91.3	92.8	93.5	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	73.0	92.4	93.8	94.6	95.5	95.7	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3
IV 1200	73.1	92.5	94.2	95.1	96.0	96.3	96.6	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
IV 1000	73.1	92.9	94.7	95.7	96.7	96.9	97.5	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8
IV 900	73.1	93.0	94.9	95.9	97.0	97.2	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	73.2	93.2	95.0	96.2	97.3	97.6	98.2	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5
IV 700	73.2	93.3	95.2	96.3	97.5	97.8	98.5	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8
IV 600	73.2	93.4	95.4	96.5	97.7	98.1	98.5	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3
IV 500	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5
IV 400	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.2	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6
IV 300	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9
IV 200	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9
IV 100	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9
IV 0	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 3147

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLOTTE AFB ILLINOIS/RANDOL  
STATION NAME

16-70  
YEARS

YEARS

JEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.4	60.4	61.0	62.0	63.2	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 20000	51.5	65.1	70.1	71.2	71.9	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	51.6	68.3	70.3	71.4	71.8	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 16000	51.7	68.5	71.4	71.5	72.0	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000	52.1	67.2	71.2	72.3	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 12000	53.2	71.1	73.1	74.4	74.8	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 10000	54.8	74.0	75.1	77.4	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 9000	55.3	74.8	76.5	78.2	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1
IV 8000	56.4	77.2	79.7	81.0	81.5	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9
IV 7000	57.5	79.2	81.7	83.0	83.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 6000	58.4	80.4	83.4	84.4	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
IV 5000	58.9	82.1	84.8	86.1	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	59.2	82.8	85.4	86.8	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9
IV 4000	60.0	84.4	87.1	88.7	89.4	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3500	60.5	85.2	88.0	89.7	90.5	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
IV 3000	60.9	86.4	89.5	91.2	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	61.1	87.2	90.4	92.3	93.1	93.3	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2000	61.3	88.1	91.4	93.3	94.4	94.6	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1
IV 1800	61.3	88.2	91.6	93.8	94.8	94.8	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500	61.4	88.5	92.0	94.2	95.1	95.3	95.7	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0
IV 1200	61.5	89.1	92.7	95.0	96.0	96.2	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 1000	61.6	89.5	93.3	95.5	96.9	97.1	97.5	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	61.6	89.7	93.5	96.0	97.3	97.5	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	61.7	89.8	93.7	96.2	97.6	97.8	98.3	98.5	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8
IV 700	61.7	89.9	93.8	96.3	97.8	97.9	98.4	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	61.7	89.9	93.8	96.3	97.9	98.1	98.6	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	61.7	89.9	93.8	96.4	98.0	98.2	98.7	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	61.7	89.9	93.8	96.4	98.0	98.3	98.8	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	61.7	89.9	93.8	96.5	98.1	98.4	99.0	99.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	61.7	89.9	93.8	96.5	98.1	98.4	99.0	99.3	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	61.7	89.9	93.8	96.5	98.1	98.4	99.0	99.3	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	61.7	89.9	93.8	96.5	98.1	98.4	99.0	99.3	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3072

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

1980 STATION CHANUTE AFB ILLINOIS/KANTUW

26-70 YEARS

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	45.8	64.1	66.6	67.7	68.6	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 20000	48.6	69.6	71.8	73.0	73.8	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 18000	48.6	69.6	72.0	73.2	74.0	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	48.6	69.6	72.2	73.5	74.3	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 14000	49.4	70.5	73.3	74.5	75.3	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0
IV 12000	50.0	71.8	74.6	75.9	76.7	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	51.2	74.1	77.0	78.4	79.2	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9
IV 9000	51.6	74.7	77.8	79.2	80.0	80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 8000	52.6	75.9	80.0	81.4	82.3	82.6	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 7000	53.2	78.9	84.0	85.6	86.5	86.8	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 6000	54.0	80.1	85.4	87.0	88.0	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 5000	54.4	81.3	86.7	88.3	89.3	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4500	55.0	82.2	87.7	89.3	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 4000	55.9	83.4	89.1	90.8	91.8	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3500	55.7	83.9	89.8	91.5	92.5	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 3000	55.8	84.2	90.3	92.0	93.0	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2500	56.0	85.2	90.9	92.6	93.6	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	56.3	86.1	90.4	92.8	94.4	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1800	56.3	86.3	90.8	93.2	94.8	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500	56.4	86.7	91.2	93.6	95.2	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	56.6	87.2	91.8	94.2	95.9	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	56.7	87.6	92.3	94.8	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	56.7	87.8	92.6	95.1	97.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800	56.7	87.9	92.7	95.3	97.2	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	56.7	88.0	92.8	95.5	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	56.7	88.1	92.9	95.6	97.6	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	56.7	88.1	92.9	95.6	97.6	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	56.7	88.1	92.9	95.6	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	56.7	88.1	92.9	95.6	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	56.7	88.1	92.9	95.6	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	56.7	88.1	92.9	95.6	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	56.7	88.1	92.9	95.6	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 2867

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAG

# CEILING VERSUS VISIBILITY

1-806 STATION CHARLE APF ILLINOIS/HANT, IL 46-63 YEARS 001 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	30.3	55.1	59.7	63.7	65.4	66.0	67.2	67.6	67.7	68.1	68.3	68.3	68.4	68.4	68.7	69.0
IV ≥ 20000	31.2	57.7	62.0	66.2	68.5	69.1	70.3	70.9	70.8	71.3	71.5	71.5	71.6	71.7	72.0	72.4
IV 18000	31.5	57.7	62.0	66.3	68.6	69.2	70.4	70.9	70.9	71.4	71.6	71.6	71.7	71.7	72.1	72.5
IV 16000	31.5	57.7	62.0	66.4	68.6	69.2	70.5	70.9	71.0	71.5	71.7	71.7	71.7	71.9	72.1	72.5
IV 14000	31.6	58.1	63.1	67.3	69.4	69.9	71.1	71.6	71.6	72.1	72.3	72.3	72.5	72.5	72.9	73.2
IV 12000	32.0	59.1	64.2	68.1	70.4	71.0	72.2	72.7	72.7	73.2	73.4	73.4	73.5	73.6	73.9	74.3
IV 10000	33.1	61.0	66.2	70.2	72.5	73.1	74.4	74.9	74.9	75.4	75.6	75.6	75.8	75.8	76.1	76.5
IV 9000	33.4	61.8	67.0	71.0	73.3	73.9	75.1	75.6	75.7	76.2	76.4	76.4	76.5	76.6	76.9	77.3
IV 8000	34.1	63.2	68.7	72.9	75.2	75.9	77.2	77.8	77.8	78.3	78.5	78.5	78.7	78.7	79.0	79.4
IV 7000	34.5	64.1	70.0	74.2	76.6	77.4	78.7	79.2	79.3	79.8	80.0	80.0	80.2	80.2	80.2	80.9
IV 6000	34.9	65.0	71.0	75.3	78.0	78.6	79.9	80.5	80.5	81.1	81.2	81.2	81.4	81.4	81.6	82.2
IV 5000	35.6	66.8	73.0	77.5	80.3	80.9	82.3	82.9	82.9	83.4	83.6	83.6	83.8	83.8	84.2	84.6
IV 4500	35.8	67.1	73.4	78.0	80.9	81.6	83.0	83.5	83.6	84.1	84.3	84.3	84.5	84.5	84.8	85.2
IV 4000	36.2	68.0	74.6	79.6	82.5	83.1	84.6	85.2	85.3	85.8	86.0	86.0	86.1	86.2	86.3	86.9
IV 3500	36.4	68.5	75.3	80.5	83.5	84.1	85.6	86.2	86.2	86.7	86.9	86.9	87.1	87.1	87.3	87.9
IV 3000	37.0	69.5	76.5	81.8	84.8	85.4	87.0	87.5	87.6	88.1	88.3	88.3	88.4	88.5	88.8	89.2
IV 2500	37.2	70.3	77.5	82.8	85.8	86.5	88.0	88.6	88.6	89.1	89.3	89.3	89.5	89.5	89.9	90.3
IV 2000	37.6	71.3	78.5	84.2	87.4	88.0	89.6	90.1	90.2	90.7	90.9	90.9	91.0	91.1	91.4	91.8
IV 1800	37.6	71.4	78.6	84.3	87.5	88.1	89.7	90.3	90.3	90.8	91.0	91.0	91.2	91.2	91.6	92.0
IV 1500	37.6	71.6	79.1	84.9	88.3	88.9	90.5	91.1	91.2	91.7	91.9	91.9	92.0	92.1	92.4	92.8
IV 1200	37.7	72.0	79.7	85.6	89.1	89.7	91.3	91.9	92.0	92.5	92.7	92.7	92.8	92.9	93.2	93.6
IV 1000	37.9	72.5	80.2	86.3	90.0	90.6	92.3	92.9	93.0	93.5	93.7	93.7	93.9	93.9	94.2	94.6
IV 900	37.9	72.5	80.3	86.4	90.2	90.8	92.5	93.2	93.3	93.8	94.0	94.0	94.1	94.2	94.5	94.9
IV 800	38.0	72.9	80.6	86.9	90.8	91.4	93.3	94.1	94.2	94.7	94.9	94.9	95.1	95.1	95.4	95.8
IV 700	38.0	73.0	80.8	87.1	91.2	91.9	93.9	94.6	94.7	95.3	95.5	95.5	95.6	95.7	96.0	96.4
IV 600	38.0	73.0	80.9	87.4	91.6	92.3	94.3	95.1	95.2	95.8	96.0	96.0	96.1	96.2	96.5	96.9
IV 500	38.0	73.2	81.1	87.6	91.9	92.6	94.7	95.5	95.6	96.2	96.4	96.4	96.6	96.6	97.0	97.4
IV 400	38.0	73.2	81.2	87.7	92.3	93.0	95.2	96.1	96.4	97.1	97.5	97.5	97.7	97.7	98.1	98.5
IV 300	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.7	97.5	98.0	98.0	98.2	98.2	98.6	99.0
IV 200	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.8	97.6	98.2	98.2	98.4	98.5	98.8	99.2
IV 100	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.8	97.6	98.3	98.3	98.5	98.5	98.9	99.3
IV 0	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.8	97.6	98.3	98.3	98.5	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS. 2566

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

36-62  
YEARS

MONTH

001

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	23.9	46.6	52.1	57.3	60.9	61.1	62.9	63.3	63.4	64.5	64.7	64.7	65.2	65.3	65.6	66.2
IV 20000	24.3	48.2	54.1	59.6	63.2	63.9	65.8	66.2	66.2	67.4	67.6	67.6	68.3	68.3	68.7	69.2
IV 18000	24.3	48.2	54.1	59.6	63.2	63.9	65.8	66.2	66.2	67.4	67.6	67.6	68.3	68.3	68.7	69.2
IV 16000	24.4	48.3	54.2	59.7	63.3	64.1	65.9	66.3	66.4	67.5	67.7	67.7	68.4	68.4	68.8	69.3
IV 14000	24.4	48.7	54.6	60.3	63.9	64.7	66.5	66.9	67.0	68.1	68.3	68.3	69.0	69.0	69.4	69.9
IV 12000	24.9	49.9	55.6	61.3	65.1	65.9	67.8	68.2	68.3	69.4	69.6	69.6	70.3	70.3	70.7	71.2
IV 10000	25.7	51.6	57.6	63.4	67.2	68.0	69.9	70.3	70.4	71.6	71.8	71.3	72.5	72.5	72.9	73.4
IV 9000	25.8	51.9	58.0	63.7	67.7	68.4	70.3	70.8	70.8	72.1	72.2	72.2	72.9	72.9	73.3	73.8
IV 8000	26.5	53.0	59.2	65.1	69.1	69.9	71.9	72.3	72.4	73.6	73.8	73.8	74.4	74.4	74.8	75.4
IV 7000	26.9	54.2	60.7	66.7	70.8	71.6	73.6	74.0	74.1	75.3	75.5	75.5	76.1	76.1	76.5	77.1
IV 6000	27.8	56.1	62.8	68.9	73.1	73.9	75.9	76.3	76.4	77.6	77.8	77.8	78.4	78.4	78.8	79.4
IV 5000	28.4	57.4	64.4	70.7	74.9	75.7	77.7	78.2	78.3	79.5	79.7	79.7	80.4	80.4	80.8	81.3
IV 4500	28.7	58.1	65.1	71.6	75.8	76.6	78.7	79.2	79.3	80.5	80.7	80.7	81.4	81.4	81.8	82.3
IV 4000	29.1	59.2	66.3	73.0	77.2	78.0	80.1	80.6	80.7	81.9	82.1	82.1	82.8	82.8	83.2	83.7
IV 3500	29.5	60.0	67.3	74.2	78.5	79.3	81.5	82.0	82.1	83.3	83.5	83.5	84.2	84.2	84.6	85.1
IV 3000	29.8	60.8	68.0	75.4	79.8	80.6	82.9	83.3	83.4	84.7	84.9	84.9	85.6	85.6	86.0	86.5
IV 2500	29.9	61.2	69.1	76.0	80.5	81.3	83.6	84.0	84.1	85.4	85.6	85.6	86.3	86.3	86.7	87.1
IV 2000	30.3	62.3	70.3	77.4	82.0	82.8	85.2	85.7	85.8	87.1	87.3	87.3	88.0	88.0	88.4	88.9
IV 1800	30.3	62.4	70.6	77.7	82.4	83.2	85.7	86.1	86.2	87.5	87.7	87.7	88.4	88.4	88.8	89.3
IV 1500	30.3	63.2	71.6	78.7	83.6	84.4	86.8	87.4	87.5	88.8	89.0	89.0	89.6	89.6	90.1	90.6
IV 1200	30.5	63.5	71.9	79.2	84.3	85.2	87.7	88.2	88.4	89.6	89.8	89.8	90.5	90.5	90.9	91.5
IV 1000	30.8	64.1	72.7	80.2	85.6	86.5	89.0	89.6	89.7	91.0	91.2	91.2	91.9	91.9	92.3	92.8
IV 900	30.8	64.2	72.8	80.4	85.9	86.7	89.3	89.9	90.0	91.4	91.6	91.6	92.3	92.3	92.7	93.2
IV 800	30.8	64.4	73.2	81.0	86.7	87.6	90.4	91.1	91.2	92.6	92.8	92.8	93.4	93.4	93.8	94.4
IV 700	30.8	64.5	73.3	81.2	87.3	88.2	91.1	91.8	92.0	93.4	93.6	93.6	94.3	94.3	94.7	95.3
IV 600	30.8	64.5	73.4	81.5	87.6	88.5	91.7	92.4	92.6	94.2	94.4	94.4	95.1	95.1	95.5	96.1
IV 500	30.8	64.7	73.7	81.8	87.9	88.9	92.1	92.9	93.1	94.7	94.9	94.9	95.6	95.6	96.0	96.6
IV 400	30.8	64.7	73.8	82.0	88.3	89.3	92.7	93.6	93.8	95.5	95.7	95.7	96.5	96.5	96.9	97.4
IV 300	30.8	64.8	73.8	82.1	88.4	89.4	92.8	93.7	93.9	95.7	96.1	96.1	96.9	96.9	97.3	97.8
IV 200	30.8	64.8	73.8	82.1	88.4	89.4	92.9	93.9	94.1	95.8	96.3	96.3	97.2	97.2	97.7	98.2
IV 100	30.8	64.8	73.8	82.1	88.4	89.4	92.9	93.9	94.1	95.9	96.4	96.4	97.4	97.4	97.9	98.4
IV 0	30.8	64.8	73.8	82.1	88.4	89.4	92.9	93.9	94.1	95.9	96.4	96.4	97.4	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2657

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CAMPBELL AFB ILLINOIS/RAINTON  
STATION NAME

16-70  
YEARS

YEARS

01  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	19.8	36.8	42.0	46.4	50.6	51.6	53.6	54.8	54.9	55.7	56.2	56.7	56.4	56.5	56.6	57.3
≥ 20000	21.0	40.2	46.3	51.1	55.9	57.2	59.5	61.0	61.1	61.9	62.4	62.4	62.7	62.8	62.9	63.7
IV 18000	21.0	40.3	46.3	51.2	56.0	57.3	59.6	61.1	61.2	62.0	62.5	62.5	62.8	62.9	63.1	63.8
IV 16000	21.0	40.3	46.3	51.3	56.1	57.3	59.7	61.1	61.3	62.1	62.6	62.6	62.9	62.9	63.1	63.9
IV 14000	21.1	40.4	46.7	51.7	56.5	57.8	60.2	61.7	61.8	62.6	63.1	63.1	63.4	63.5	63.7	64.4
IV 12000	21.4	41.3	47.8	52.8	57.6	59.9	61.5	63.0	63.1	64.0	64.5	64.5	64.8	64.9	65.0	65.8
IV 10000	22.6	43.2	50.0	55.2	60.3	61.7	64.2	65.8	65.9	66.6	67.3	67.3	67.7	67.7	67.9	68.6
IV 9000	22.9	44.0	50.9	56.3	61.5	62.8	65.4	67.0	67.2	68.0	68.5	68.5	68.9	68.9	69.1	69.9
IV 8000	23.7	45.7	52.9	58.6	64.0	65.4	68.1	69.8	69.9	70.8	71.3	71.3	71.6	71.7	71.9	72.7
IV 7000	24.6	47.8	55.2	61.1	66.6	68.0	70.9	72.6	72.8	73.7	74.2	74.2	74.6	74.6	74.8	75.6
IV 6000	25.4	49.6	57.1	63.3	68.6	70.3	73.2	74.9	75.2	76.1	76.7	76.7	77.0	77.0	77.2	78.0
IV 5000	25.9	50.7	58.4	64.7	70.4	71.9	74.8	76.6	76.8	77.8	78.4	78.4	78.7	78.7	78.9	79.8
IV 4500	26.0	51.3	59.1	65.3	71.2	72.8	75.7	77.6	77.8	78.8	79.3	79.3	79.7	79.7	79.9	80.7
IV 4000	26.2	52.4	60.3	66.7	72.4	74.1	77.1	78.9	79.1	80.1	80.7	80.7	81.0	81.0	81.2	82.0
IV 3500	26.4	53.4	61.4	67.9	73.8	75.4	78.4	80.2	80.5	81.5	82.0	82.0	82.4	82.4	82.6	83.4
IV 3000	27.2	54.5	62.6	69.2	75.2	76.8	79.6	81.7	82.0	82.9	83.5	83.5	83.8	83.9	84.1	84.9
IV 2500	27.4	55.0	63.3	69.9	76.0	77.6	80.7	82.7	82.9	83.9	84.5	84.5	84.9	84.9	85.1	85.9
IV 2000	27.8	56.0	64.4	71.2	77.4	79.1	82.2	84.1	84.4	85.4	86.0	86.0	86.4	86.4	86.6	87.4
IV 1800	28.0	57.3	64.8	71.6	77.8	79.5	82.7	84.6	84.9	85.9	86.5	86.5	86.8	86.9	87.1	87.9
IV 1500	28.2	57.1	65.7	72.7	78.9	80.6	83.8	85.8	86.0	87.1	87.7	87.7	88.0	88.1	88.3	89.1
IV 1200	28.5	57.6	66.4	73.4	79.7	81.5	84.7	86.7	87.0	88.1	88.7	88.7	89.0	89.1	89.3	90.1
IV 1000	28.7	58.2	67.1	74.4	80.8	82.6	85.9	88.0	88.3	89.4	90.0	90.0	90.4	90.4	90.6	91.4
IV 900	28.7	58.4	67.4	74.7	81.2	83.0	86.3	88.5	88.7	89.9	90.5	90.5	90.9	90.9	91.1	91.9
IV 800	28.8	59.0	68.1	75.6	82.2	84.1	87.5	89.7	89.9	91.1	91.7	91.7	92.1	92.1	92.4	93.2
IV 700	28.8	59.1	68.3	75.8	82.6	84.4	88.0	90.3	90.6	91.8	92.4	92.4	92.8	92.8	93.0	93.8
IV 600	28.9	59.4	68.5	76.2	83.1	85.0	88.9	91.3	91.5	92.9	93.6	93.6	94.0	94.0	94.2	95.0
IV 500	28.9	59.5	68.9	76.6	83.6	85.5	89.5	92.0	92.4	94.1	94.6	94.6	95.0	95.0	95.3	96.1
IV 400	28.9	59.5	68.9	76.7	83.7	85.7	89.8	92.4	92.8	94.5	95.2	95.2	95.6	95.7	95.9	96.7
IV 300	28.9	59.5	68.9	76.7	83.7	85.8	89.9	92.7	93.1	95.0	95.8	95.8	96.3	96.4	96.7	97.5
IV 200	28.9	59.5	69.0	76.8	83.8	85.9	90.1	92.9	93.3	95.3	96.1	96.2	96.9	97.0	97.5	98.3
IV 100	28.9	59.5	69.0	76.8	83.8	85.9	90.1	92.9	93.3	95.3	96.2	96.3	97.0	97.1	97.6	99.1
IV 0	28.9	59.5	69.0	75.8	83.8	85.9	90.1	92.9	93.3	95.3	96.2	96.3	97.0	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

2230

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHANDLER AFB ILLINOIS/RAITON  
STATION NAME

16-70

YEARS

LGT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	32.8	49.3	52.0	53.6	54.7	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥20000	36.1	53.8	59.1	61.1	62.4	62.7	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
IV 18000	26.3	36.0	39.3	41.4	42.6	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 16000	26.4	36.2	39.5	41.5	42.6	43.1	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5
IV 14000	26.7	36.7	40.1	42.2	43.4	43.7	43.9	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 12000	27.7	38.5	41.9	44.0	45.4	45.7	45.8	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 10000	29.5	40.7	44.4	46.5	47.9	48.2	48.4	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
IV 9000	30.0	41.7	45.4	47.7	49.1	49.4	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 8000	41.0	63.7	67.8	70.1	71.5	71.8	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
IV 7000	41.0	65.2	69.4	71.5	73.4	73.8	74.0	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	42.7	66.5	70.8	73.3	75.1	75.4	75.7	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	43.2	67.5	72.0	74.6	76.6	76.9	77.2	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4500	43.3	67.9	72.4	75.1	77.1	77.4	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4000	43.5	68.4	73.0	76.7	78.8	79.1	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	44.7	70.3	74.9	77.7	79.9	80.2	80.5	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3000	45.3	71.6	76.3	79.1	81.3	81.6	82.1	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2500	46.0	73.1	78.0	80.9	83.2	83.6	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2000	47.2	75.1	80.0	83.1	85.4	85.9	86.4	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800	47.4	75.6	80.6	83.6	86.0	86.4	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.3
IV 1500	48.4	77.3	82.6	85.7	88.2	88.7	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200	48.7	78.3	83.6	86.9	89.5	90.0	90.7	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.2
IV 1000	48.8	79.0	84.5	88.1	90.7	91.3	92.0	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6
IV 900	48.9	79.3	84.8	88.5	91.2	91.8	92.5	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1
IV 800	49.0	80.1	85.2	89.8	92.5	93.2	94.0	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	49.0	80.4	86.2	90.4	93.4	94.1	95.0	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
IV 600	49.1	80.6	86.5	90.9	93.9	94.7	95.8	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.8
IV 500	49.1	80.8	86.7	91.4	94.7	95.5	96.7	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	49.1	80.8	86.8	91.6	95.0	95.8	97.3	98.1	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	49.1	80.9	86.9	91.7	95.1	96.0	97.5	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	49.1	80.9	86.9	91.7	95.1	96.0	97.6	98.7	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8
IV 100	49.1	80.9	86.9	91.7	95.1	96.0	97.6	98.7	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8
IV 0	49.1	80.9	86.9	91.7	95.1	96.0	97.6	98.7	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

3253

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTLEA  
STATION NAME

10-70  
YEARS

CI  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	43.5	33.7	33.7	33.9	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000	44.7	30.4	31.6	31.7	32.0	32.0	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 18000	48.9	30.7	31.9	32.0	32.2	32.2	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 16000	49.0	30.8	32.0	32.2	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
IV 14000	49.5	31.3	32.6	32.9	33.0	33.0	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 12000	51.5	33.6	34.8	35.1	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV 10000	52.5	35.0	36.5	37.2	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 9000	52.2	36.4	37.7	38.0	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 8000	54.6	38.5	40.1	40.5	40.7	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 7000	55.6	40.0	41.7	42.1	42.3	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 6000	56.3	41.3	42.9	43.4	43.7	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 5000	56.9	42.3	44.2	44.8	45.1	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 4500	57.6	43.3	45.2	45.8	46.1	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 4000	59.3	45.8	47.7	48.4	48.7	48.8	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 3500	60.5	47.5	49.4	50.2	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 3000	62.1	48.6	52.7	53.5	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 2500	63.3	52.6	54.9	55.8	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 2000	64.4	54.7	57.2	58.2	58.8	58.9	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 1800	64.5	55.2	57.8	58.8	59.4	59.6	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 1500	65.2	56.5	59.6	60.7	61.5	61.6	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1200	65.4	57.4	60.3	61.6	62.4	62.6	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 1000	65.5	58.2	61.2	62.5	63.7	63.8	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 900	65.7	58.8	61.9	63.4	64.5	64.6	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 800	65.8	59.3	62.4	64.2	65.4	65.6	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 700	65.8	59.6	62.9	64.7	66.0	66.3	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 600	65.8	59.6	63.2	65.1	66.6	66.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 500	65.9	59.7	63.4	65.3	67.0	67.2	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 400	65.9	59.8	63.5	65.5	67.2	67.5	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 300	65.9	59.8	63.5	65.5	67.2	67.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 200	65.9	59.8	63.5	65.5	67.2	67.7	69.0	69.4	69.5	69.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	65.9	59.8	63.5	65.5	67.2	67.7	69.0	69.4	69.5	69.7	100.0	100.0	100.0	100.0	100.0	100.0
0	65.9	59.8	63.5	65.5	67.2	67.7	69.0	69.4	69.5	69.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3224

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14006  
STATION

GRANDLE AFB ILLINOIS/RANTUL

1967

YEARS

12  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	55.8	55.0	56.1	56.7	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3
≥ 20000	51.4	63.1	54.5	65.2	65.5	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 18000	51.7	63.4	64.8	65.5	65.8	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	52.0	63.0	65.0	65.8	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4
IV 14000	52.6	64.4	65.8	66.6	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
IV 12000	53.9	66.2	67.7	68.5	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2
IV 10000	55.3	68.2	69.8	70.6	71.0	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	55.8	69.9	70.5	71.2	71.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	57.0	70.6	72.4	73.3	73.7	73.7	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	58.0	72.2	74.0	75.1	75.8	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 6000	58.4	73.5	75.9	76.8	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 5000	59.9	75.4	77.9	79.2	79.8	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
IV 4500	60.2	76.0	78.9	80.2	80.7	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	61.5	76.8	81.3	82.7	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	62.0	80.2	82.8	84.3	85.0	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3000	63.3	82.3	85.2	86.6	87.4	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500	64.1	83.9	87.0	88.5	89.4	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2000	64.9	85.6	88.4	90.4	91.4	91.5	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	64.9	85.9	89.1	90.7	91.7	91.8	92.2	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
IV 1500	65.3	86.7	90.2	92.0	93.0	93.1	93.6	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.1
IV 1200	65.4	87.2	90.6	92.7	93.9	94.0	94.6	94.7	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	65.6	87.9	91.7	93.8	95.1	95.2	95.9	96.2	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5
IV 900	65.6	88.1	91.9	94.1	95.4	95.6	96.3	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.9
IV 800	65.6	88.2	92.1	94.3	95.7	95.9	96.7	96.9	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3
IV 700	65.6	88.2	92.2	94.5	96.0	96.2	97.0	97.3	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7
IV 600	65.6	88.2	92.3	94.6	96.5	96.7	97.6	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	65.6	88.4	92.5	94.9	96.7	97.0	97.9	98.3	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.9
IV 400	65.6	88.4	92.5	95.0	96.9	97.1	98.2	98.6	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.4
IV 300	65.6	88.4	92.5	95.0	96.9	97.2	98.2	98.7	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.7
IV 200	65.6	88.4	92.5	95.0	96.9	97.2	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 100	65.6	88.4	92.5	95.0	96.9	97.2	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 0	65.6	88.4	92.5	95.0	96.9	97.2	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3200

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
STATION

CHANDLER AFB ILLINOIS/RANTLVL  
STATION NAME

20-70  
YEARS

YEARS

1-1  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	42.1	59.1	61.9	63.9	64.2	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	44.2	63.0	66.0	67.9	68.7	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 18000	44.6	63.1	66.1	68.0	68.8	69.0	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 16000	44.7	63.2	66.2	68.1	69.0	69.1	69.4	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 14000	45.3	64.1	67.2	69.1	69.9	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
IV 12000	45.9	65.0	68.2	70.3	71.1	71.3	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	47.1	66.9	70.2	72.3	73.2	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
IV 9000	47.4	67.4	70.8	72.8	73.7	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
IV 8000	48.6	69.2	72.7	74.9	75.9	76.1	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	49.3	70.8	74.5	76.9	78.0	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 6000	50.4	72.6	76.4	78.9	80.0	80.2	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
IV 5000	51.2	74.2	78.2	80.8	81.9	82.1	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
IV 4500	51.9	75.4	79.4	82.1	83.2	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
IV 4000	52.6	77.2	81.3	84.2	85.6	85.8	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
IV 3500	53.1	78.4	82.5	85.6	87.1	87.3	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0
IV 3000	53.9	79.9	84.2	87.4	89.0	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
IV 2500	54.5	81.3	85.8	89.0	90.8	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
IV 2000	54.7	82.1	86.6	90.0	91.8	92.0	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
IV 1800	54.7	82.2	86.6	90.2	92.0	92.2	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	55.0	82.9	87.0	91.1	93.0	93.2	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	55.2	83.4	88.2	92.0	93.7	94.2	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	55.2	83.7	88.8	92.5	94.6	95.0	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
IV 900	55.2	83.8	89.1	92.7	94.9	95.2	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.7
IV 800	55.2	83.9	89.1	93.0	95.2	95.6	96.4	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.2
IV 700	55.2	83.9	89.2	93.0	95.3	95.7	96.5	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4
IV 600	55.2	84.0	89.2	93.1	95.5	95.9	96.8	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 500	55.2	84.0	89.3	93.2	95.8	96.2	97.2	97.7	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.3
IV 400	55.2	84.1	89.4	93.4	96.1	96.4	97.6	98.2	98.3	98.8	98.9	98.9	98.9	98.9	98.9	99.0
IV 300	55.2	84.1	89.4	93.4	96.1	96.5	97.7	98.4	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.3
IV 200	55.2	84.1	89.4	93.5	96.2	96.5	97.8	98.5	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.5
IV 100	55.2	84.1	89.4	93.5	96.2	96.5	97.8	98.5	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.9
IV 0	55.2	84.1	89.4	93.5	96.2	96.5	97.8	98.5	98.6	99.4	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

3100

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
 STATION

CHANDLER AFB ILLINOIS/RAHQUCL  
 STATION NAME

36-70  
 YEARS

YEARS

JULY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2109-2300  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0	≥0
NO CEILING	59.0	58.8	61.9	64.9	66.9	66.9	67.5	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8
≥ 20000	40.5	61.5	65.0	68.2	69.2	70.3	70.9	70.9	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.2
IV 18000	40.5	61.5	65.0	68.3	69.4	70.3	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.3
IV 16000	40.5	61.5	65.0	68.3	69.4	70.3	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.3
IV 14000	40.7	62.3	65.6	68.9	70.6	71.0	71.0	71.6	71.6	71.8	71.8	71.8	71.9	71.9	71.9	72.0
IV 12000	41.2	63.1	66.5	69.9	71.6	72.0	72.6	72.6	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0
IV 10000	42.4	65.7	69.1	72.5	74.1	74.5	75.1	75.2	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.5
IV 9000	43.0	66.1	69.7	73.1	74.7	75.2	75.8	75.8	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.2
IV 8000	44.6	68.5	72.4	76.0	77.6	78.2	78.9	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.3
IV 7000	45.2	69.2	74.0	77.7	79.6	80.1	80.8	80.8	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.2
IV 6000	45.8	71.1	75.2	79.0	81.0	81.5	82.3	82.3	82.3	82.3	82.5	82.5	82.6	82.6	82.6	82.7
IV 5000	46.4	72.5	76.8	80.6	82.7	83.2	84.0	84.1	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.5
IV 4500	47.0	73.6	78.0	81.9	84.0	84.5	85.3	85.4	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.8
IV 4000	47.5	74.8	79.2	83.2	85.2	86.0	86.8	86.9	86.9	87.0	87.1	87.1	87.2	87.2	87.2	87.3
IV 3000	47.8	75.0	80.4	84.7	86.9	87.4	88.2	88.3	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.6
IV 3000	48.2	76.0	81.5	86.0	88.2	88.9	89.8	89.9	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.3
IV 2500	48.9	77.7	82.6	87.4	89.9	90.4	91.3	91.4	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.8
IV 2000	49.2	78.4	83.2	88.2	91.0	91.5	92.4	92.5	92.5	92.7	92.8	92.8	92.9	92.9	92.9	92.9
IV 1800	49.3	78.5	83.5	88.4	91.2	91.7	92.7	92.9	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.3
IV 1500	49.4	79.0	83.9	89.0	91.8	92.3	93.4	93.6	93.6	93.8	93.8	93.8	93.9	93.9	93.9	94.0
IV 1200	49.5	79.2	84.3	89.5	92.4	92.9	94.0	94.2	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.7
IV 1000	49.6	79.7	84.9	90.1	93.2	93.8	95.0	95.2	95.2	95.5	95.6	95.6	95.7	95.7	95.7	95.8
IV 900	49.6	79.7	85.0	90.3	93.5	94.0	95.2	95.3	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.1
IV 800	49.6	79.8	85.1	90.4	93.6	94.2	95.5	95.8	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.4
IV 700	49.6	79.9	85.2	90.6	93.8	94.4	95.8	96.1	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.9
IV 600	49.7	80.1	85.4	90.8	94.2	94.8	95.6	96.7	96.9	97.2	97.3	97.3	97.4	97.4	97.4	97.5
IV 500	49.7	80.1	85.5	90.9	94.4	94.9	95.6	97.0	97.2	97.6	97.7	97.7	97.9	97.9	97.9	97.9
IV 400	49.7	80.2	85.6	91.2	94.7	95.3	97.1	97.6	97.9	98.3	98.4	98.4	98.6	98.6	98.6	98.7
IV 300	49.7	80.3	85.8	91.2	94.8	95.4	97.2	97.9	98.2	98.7	98.8	98.8	99.0	99.0	99.0	99.1
IV 200	49.7	80.3	85.8	91.2	94.8	95.4	97.4	98.0	98.3	98.9	99.1	99.1	99.3	99.3	99.4	99.4
IV 100	49.7	80.3	85.8	91.2	94.8	95.5	97.4	98.0	98.4	98.9	99.2	99.2	99.4	99.5	99.6	99.6
IV 0	49.7	80.3	85.6	91.2	94.8	95.5	97.4	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

3001

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

16806  
STATION

GRANDDALS ILLINOIS/KALITJOL  
STATION NAME

16-62  
YEARS

YEARS

11V  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURLY PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0	
NO CEILING ≥ 20000	21.7	39.5	43.0	46.1	48.3	43.7	49.7	50.0	50.0	50.3	50.4	50.4	50.5	50.5	50.5	50.6	50.5
IV 18000	22.5	43.0	46.9	50.1	52.0	53.2	54.2	54.6	54.6	54.9	55.0	55.0	55.0	55.1	55.1	55.2	55.2
IV 16000	23.1	43.3	47.2	50.5	53.1	53.9	54.5	54.9	54.9	55.2	55.3	55.3	55.3	55.4	55.4	55.5	55.7
IV 14000	23.7	44.3	48.2	51.4	54.1	54.5	55.5	55.5	55.5	55.2	56.3	56.3	56.3	56.4	56.4	56.5	56.6
IV 12000	24.4	46.0	49.9	53.2	55.9	56.3	57.4	57.9	57.9	58.1	58.2	58.2	58.3	58.3	58.3	58.5	58.5
IV 10000	25.2	47.6	51.8	55.2	57.9	58.3	59.3	59.8	59.8	60.1	60.2	60.2	60.3	60.3	60.3	60.4	60.5
IV 9000	25.5	48.3	52.5	55.9	58.6	59.0	60.1	60.5	60.5	60.8	60.9	60.9	61.0	61.0	61.0	61.2	61.3
IV 8000	26.2	49.4	53.7	57.1	59.7	60.3	61.3	61.8	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.4	62.5
IV 7000	26.6	50.9	55.5	59.0	61.6	62.1	63.2	63.7	63.7	64.0	64.1	64.1	64.1	64.2	64.3	64.4	64.4
IV 6000	26.8	51.9	56.7	60.1	63.0	63.4	64.5	65.0	65.0	65.3	65.4	65.4	65.5	65.5	65.7	65.7	65.8
IV 5000	27.4	53.5	58.5	62.2	65.4	65.8	66.9	67.4	67.4	67.7	67.8	67.8	67.9	67.9	68.1	68.2	68.2
IV 4500	27.6	54.4	59.5	63.3	66.6	67.0	68.1	68.6	68.6	68.9	69.0	69.0	69.1	69.2	69.3	69.4	69.4
IV 4000	26.2	56.0	61.2	65.7	68.5	68.9	70.1	70.5	70.5	70.8	71.0	71.0	71.1	71.1	71.2	71.4	71.4
IV 3500	29.2	58.1	63.6	67.8	71.3	71.9	73.2	73.6	73.6	74.1	74.3	74.3	74.3	74.4	74.5	74.6	74.6
IV 3000	30.1	60.4	66.3	70.7	74.2	74.8	76.2	76.7	76.7	77.1	77.3	77.3	77.4	77.4	77.6	77.7	77.7
IV 2500	31.0	62.5	68.9	73.5	77.2	77.8	79.2	79.7	79.7	80.2	80.4	80.4	80.5	80.5	80.6	80.7	80.7
IV 2000	32.1	64.3	71.4	76.3	80.1	80.7	82.1	82.7	82.7	83.1	83.3	83.3	83.4	83.4	83.6	83.7	83.7
IV 1800	32.3	64.9	72.1	77.0	80.9	81.6	83.0	83.5	83.6	84.0	84.2	84.2	84.3	84.3	84.5	84.6	84.6
IV 1500	32.5	65.9	73.4	78.6	82.6	83.3	84.8	85.4	85.5	86.0	86.3	86.3	86.4	86.4	86.5	86.7	86.7
IV 1200	32.7	66.8	74.8	80.4	84.5	85.2	86.8	87.4	87.5	88.0	88.3	88.3	88.4	88.4	88.5	88.7	88.7
IV 1000	32.7	67.3	75.0	81.9	86.2	86.9	88.8	89.6	89.7	90.4	90.7	90.7	90.7	90.8	90.9	91.0	91.0
IV 900	32.7	67.6	76.2	82.5	86.9	87.6	89.6	90.5	90.5	91.2	91.5	91.5	91.6	91.6	91.7	91.8	91.8
IV 800	32.8	68.0	76.8	83.1	87.7	88.4	90.5	91.3	91.4	92.1	92.5	92.5	92.5	92.6	92.7	92.8	92.8
IV 700	32.8	68.3	77.2	83.7	88.5	89.2	91.4	92.3	92.5	93.3	93.6	93.6	93.7	93.7	93.8	94.0	94.0
IV 600	32.8	68.5	77.5	84.1	89.2	90.0	92.2	93.3	93.4	94.2	94.6	94.6	94.7	94.7	94.9	95.0	95.0
IV 500	32.8	68.5	77.7	84.5	89.8	90.6	93.1	94.1	94.3	95.2	95.7	95.7	95.9	95.9	96.0	96.2	96.2
IV 400	32.8	68.5	77.7	84.6	90.1	91.1	93.7	95.0	95.2	96.2	96.8	96.8	96.9	97.0	97.1	97.2	97.2
IV 300	32.8	68.6	77.7	84.7	90.4	91.6	94.2	95.6	95.9	96.9	97.6	97.6	97.8	97.9	98.1	98.2	98.2
IV 200	32.8	68.6	77.7	84.7	90.4	91.6	94.3	95.9	96.1	97.3	98.2	98.2	98.5	98.6	98.9	99.1	99.1
IV 100	32.8	68.6	77.7	84.7	90.4	91.6	94.3	95.9	96.2	97.3	98.3	98.3	98.7	98.8	99.0	99.4	99.4
IV 0	32.8	68.6	77.7	84.7	90.4	91.6	94.3	95.9	96.2	97.3	98.3	98.3	98.7	98.9	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2451

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14865  
 STATION

CHARLIE AFB ILLINOIS/RANTUL  
 STATION NAME

16-62  
 YEARS

YEARS

NOV  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

3300-0500  
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	19.5	39.1	42.9	46.5	44.1	49.3	50.1	50.6	50.6	51.0	51.2	51.2	51.3	51.4	51.5	51.9
≥ 20000	20.3	41.5	45.0	49.0	52.2	52.5	53.3	53.8	53.8	54.2	54.4	54.4	54.5	54.6	54.7	55.1
IV 18000	20.3	41.7	45.7	49.7	52.3	52.6	53.4	53.9	54.0	54.3	54.5	54.5	54.6	54.7	54.9	55.2
IV 16000	20.3	41.7	45.6	49.8	52.4	52.7	53.5	54.0	54.1	54.4	54.6	54.6	54.7	54.8	54.9	55.3
IV 14000	20.8	42.6	46.7	50.8	53.5	53.8	54.6	55.1	55.2	55.5	55.7	55.7	55.9	55.9	56.1	56.4
IV 12000	21.4	43.8	48.0	52.1	55.0	55.4	56.2	56.7	56.7	57.0	57.2	57.2	57.4	57.4	57.6	57.9
IV 10000	22.1	45.1	49.7	54.0	56.9	57.3	58.1	58.6	58.6	59.0	59.2	59.2	59.3	59.4	59.5	59.9
IV 9000	22.1	45.2	49.9	54.7	57.2	57.6	58.4	58.9	58.9	59.2	59.5	59.5	59.6	59.7	59.8	60.2
IV 8000	22.3	45.9	50.9	55.4	58.3	58.5	59.4	59.9	60.0	60.3	60.5	60.5	60.6	60.7	60.8	61.2
IV 7000	22.8	47.2	52.3	56.9	60.0	60.3	61.1	61.6	61.7	62.0	62.2	62.2	62.3	62.4	62.6	62.9
IV 6000	23.2	48.2	53.4	58.2	61.3	61.6	62.5	63.0	63.1	63.4	63.6	63.6	63.8	63.8	64.0	64.4
IV 5000	24.1	49.7	55.1	60.3	63.7	64.1	64.9	65.4	65.5	65.9	66.1	66.1	66.2	66.3	66.5	66.9
IV 4500	24.5	50.8	56.2	61.4	64.9	65.3	66.2	66.7	66.7	67.1	67.3	67.3	67.4	67.5	67.7	68.1
IV 4000	25.2	52.2	57.9	63.3	66.9	67.3	68.2	68.7	68.8	69.2	69.4	69.4	69.5	69.6	69.8	70.2
IV 3500	25.8	53.6	59.5	65.0	68.8	69.2	70.2	70.7	70.7	71.1	71.3	71.3	71.5	71.5	71.6	72.1
IV 3000	26.3	55.0	61.4	67.2	71.1	71.5	72.6	73.1	73.1	73.5	73.7	73.7	73.8	73.9	74.1	74.5
IV 2500	27.3	57.3	64.1	70.0	74.0	74.6	75.6	76.2	76.2	76.7	76.9	76.9	77.0	77.1	77.3	77.7
IV 2000	28.4	60.0	67.1	73.3	77.5	78.0	79.3	80.0	80.0	80.5	80.7	80.7	80.8	80.9	81.1	81.5
IV 1800	28.7	60.7	67.8	74.1	78.3	78.9	80.2	80.8	80.8	81.3	81.5	81.5	81.6	81.7	81.9	82.3
IV 1500	28.8	61.6	69.1	75.6	80.0	80.7	82.2	82.8	82.9	83.3	83.6	83.6	83.7	83.8	84.0	84.4
IV 1200	29.0	62.9	70.8	77.5	82.2	82.8	84.5	85.2	85.3	85.7	85.9	85.9	86.1	86.2	86.4	86.7
IV 1000	29.2	64.2	72.2	79.2	84.4	85.1	86.9	87.7	87.7	88.4	88.6	88.6	88.7	88.8	89.0	89.4
IV 900	29.3	64.4	72.6	79.7	84.9	85.6	87.5	88.3	88.4	89.0	89.2	89.2	89.4	89.5	89.7	90.1
IV 800	29.3	64.7	73.0	80.2	85.4	86.2	88.1	88.9	89.0	89.7	90.0	90.0	90.2	90.3	90.5	90.8
IV 700	29.3	65.0	73.3	80.7	85.1	87.0	89.1	90.0	90.1	90.9	91.2	91.2	91.3	91.4	91.6	92.0
IV 600	29.4	65.4	73.8	81.6	87.1	88.0	90.2	91.3	91.3	92.1	92.5	92.5	92.6	92.7	92.9	93.3
IV 500	29.4	65.4	74.1	82.0	87.7	88.8	91.1	92.2	92.3	93.2	93.7	93.7	93.8	93.9	94.1	94.5
IV 400	29.4	65.4	74.1	82.2	88.2	89.3	91.8	93.1	93.1	94.1	94.6	94.6	94.9	95.0	95.3	95.7
IV 300	29.4	65.5	74.1	82.3	88.4	89.6	92.6	93.8	93.9	95.0	95.7	95.7	96.2	96.3	96.6	97.0
IV 200	29.4	65.5	74.1	82.3	88.4	89.6	92.9	94.1	94.3	95.7	96.7	96.7	97.3	97.4	97.8	98.3
IV 100	29.4	65.5	74.1	82.3	88.4	89.6	92.9	94.1	94.3	95.8	96.9	96.9	97.5	97.7	98.1	98.6
IV 0	29.4	65.5	74.1	82.3	88.4	89.6	92.9	94.1	94.3	95.8	96.9	96.9	97.7	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2390

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHANDLER AFB ILLINOIS/KANTOLA  
 STATION NAME

36-70  
 YEARS

MONTH

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-0800  
 HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	13.8	27.4	31.0	34.4	36.1	38.7	40.6	41.7	41.9	42.9	43.2	43.7	43.5	43.5	43.6	44.2
IV 20000	15.0	30.4	34.5	38.7	42.5	43.3	45.9	47.2	47.4	48.4	48.7	48.7	49.0	49.0	49.2	49.7
IV 18000	15.0	30.5	34.6	38.7	42.6	43.6	45.9	47.3	47.5	48.5	48.8	48.8	49.1	49.1	49.3	49.6
IV 16000	15.1	30.8	34.7	38.8	43.0	43.8	46.0	47.4	47.6	48.6	49.0	49.0	49.2	49.3	49.4	50.0
IV 14000	15.2	31.0	35.3	39.6	43.8	44.6	46.9	48.3	48.5	49.5	49.9	49.9	50.1	50.2	50.3	50.9
IV 12000	15.7	32.4	37.0	41.4	45.6	46.5	48.0	50.2	50.4	51.5	51.8	51.8	52.1	52.1	52.2	52.8
IV 10000	17.1	34.5	39.4	43.8	48.3	49.1	51.6	52.9	53.1	54.3	54.6	54.7	54.9	55.0	55.1	55.7
IV 9000	17.4	35.2	40.0	44.6	49.1	50.0	52.5	53.9	54.1	55.3	55.7	55.7	56.0	56.0	56.1	56.7
IV 8000	18.2	36.8	41.9	46.6	51.3	52.2	54.7	56.2	56.4	57.6	58.0	58.1	58.3	58.4	58.5	59.1
IV 7000	18.9	38.1	43.3	48.1	53.0	54.0	56.7	58.1	58.3	59.5	60.0	60.0	60.3	60.3	60.5	61.0
IV 6000	19.5	39.3	44.6	49.6	54.7	55.8	58.4	59.9	60.1	61.4	61.8	61.8	62.1	62.2	62.3	62.9
IV 5000	20.2	40.6	46.3	51.6	56.8	58.0	60.9	62.4	62.6	63.9	64.3	64.3	64.7	64.7	64.8	65.4
IV 4500	20.5	41.2	47.0	52.4	57.7	59.0	62.0	63.5	63.7	65.0	65.4	65.4	65.8	65.8	65.9	66.5
IV 4000	21.1	42.6	48.7	54.2	59.6	61.0	64.1	65.6	65.8	67.1	67.6	67.6	68.0	68.0	68.1	68.7
IV 3500	22.2	44.2	50.5	56.0	61.7	63.1	66.3	67.9	68.1	69.5	69.9	69.9	70.3	70.3	70.5	71.1
IV 3000	22.6	45.9	52.4	58.2	64.0	65.5	68.7	70.3	70.5	71.9	72.4	72.4	72.8	72.8	72.9	73.5
IV 2500	23.2	47.5	54.4	60.4	66.2	67.7	71.2	72.9	73.1	74.7	75.1	75.2	75.5	75.6	75.7	76.3
IV 2000	24.2	49.7	56.9	63.2	69.2	70.7	74.5	76.3	76.6	78.1	78.6	78.7	79.1	79.1	79.2	79.8
IV 1800	24.4	49.9	57.2	63.5	69.6	71.1	74.9	76.7	77.0	78.6	79.1	79.2	79.6	79.6	79.7	80.3
IV 1500	24.7	51.1	58.6	65.2	71.4	73.0	76.9	78.8	79.1	80.8	81.3	81.3	81.8	81.8	81.9	82.5
IV 1200	25.0	52.0	59.8	66.7	73.1	74.8	78.7	80.6	80.9	82.6	83.1	83.2	83.6	83.7	83.8	84.4
IV 1000	25.2	52.9	61.0	68.2	74.9	76.8	80.8	83.0	83.3	85.0	85.6	85.7	86.1	86.2	86.3	86.9
IV 900	25.2	53.3	61.6	68.9	75.8	77.7	81.8	84.0	84.3	86.2	86.7	86.8	87.3	87.3	87.5	88.1
IV 800	25.2	54.0	62.4	69.7	76.8	78.7	83.0	85.4	85.7	87.6	88.2	88.3	88.8	88.8	89.0	89.6
IV 700	25.3	54.2	62.7	70.2	77.4	79.4	83.8	86.2	86.5	88.5	89.0	89.2	89.7	89.7	89.9	90.5
IV 600	25.3	54.5	63.2	70.8	78.3	80.3	85.0	87.5	87.8	90.0	90.5	90.7	91.2	91.2	91.4	92.0
IV 500	25.3	54.6	63.3	71.2	78.9	80.9	85.9	88.7	89.0	91.4	92.0	92.1	92.7	92.7	92.9	93.5
IV 400	25.3	54.7	63.5	71.4	79.2	81.3	86.4	89.4	89.7	92.4	93.2	93.3	94.0	94.0	94.3	94.9
IV 300	25.3	54.7	63.6	71.5	79.4	81.6	86.8	90.1	90.5	93.3	94.4	94.5	95.4	95.4	95.7	96.3
IV 200	25.3	54.8	63.6	71.5	79.5	81.7	87.1	90.4	90.8	93.7	95.0	95.1	96.4	96.4	96.6	97.7
IV 100	25.3	54.9	63.6	71.5	79.5	81.7	87.2	90.6	90.9	93.9	95.2	95.4	96.6	96.7	97.4	98.5
IV 0	25.3	54.9	63.6	71.5	79.5	81.7	87.2	90.6	90.9	93.9	95.2	95.4	96.7	96.9	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2998

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHICAGO AMB ILLINOIS/RAH/TQUL  
STATION NAME

46-70  
YEARS

MONTH

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2400-1100  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	20.0	33.5	36.3	38.8	40.4	40.7	41.2	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.8
≥ 20000	23.1	40.3	43.0	46.8	48.8	49.1	49.7	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.3
IV 18000	23.2	40.4	44.0	46.9	48.9	49.3	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.4	50.4	50.5
IV 16000	23.3	40.5	44.1	47.1	49.1	49.5	50.0	50.2	50.3	50.3	50.3	50.3	50.5	50.6	50.6	50.7
IV 14000	23.4	40.9	44.5	47.0	49.6	50.0	50.6	50.8	50.8	51.0	51.0	51.0	51.0	51.1	51.1	51.2
IV 12000	23.8	42.1	46.0	49.2	51.3	51.8	52.4	52.7	52.7	52.9	52.8	52.9	52.8	52.9	52.9	53.0
IV 10000	25.2	44.3	48.5	51.8	54.0	54.4	55.1	55.4	55.4	55.5	55.5	55.5	55.5	55.6	55.6	55.7
IV 9000	25.7	45.9	49.2	52.6	54.8	55.3	55.9	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.6
IV 8000	26.4	46.8	51.2	54.7	57.1	57.5	58.3	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.8	58.9
IV 7000	26.7	47.8	52.3	55.9	58.4	58.9	59.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.3
IV 6000	27.3	49.1	53.8	57.6	60.1	60.6	61.4	61.7	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.1
IV 5000	28.1	50.6	55.7	59.6	62.2	62.7	63.7	64.0	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.6
IV 4500	28.3	51.3	56.4	60.4	63.1	63.6	64.6	65.0	65.0	65.3	65.3	65.3	65.4	65.4	65.4	65.5
IV 4000	29.1	52.7	57.9	62.0	65.0	65.5	66.6	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.6
IV 3500	29.6	53.8	59.2	63.4	66.8	67.2	68.2	68.6	68.7	68.9	69.0	69.0	69.0	69.1	69.1	69.2
IV 3000	30.6	56.2	61.5	66.2	69.5	70.2	71.3	71.7	71.8	72.1	72.2	72.2	72.2	72.2	72.2	72.4
IV 2500	31.5	58.1	64.0	68.4	71.8	72.4	73.6	74.1	74.2	74.5	74.5	74.5	74.6	74.6	74.6	74.7
IV 2000	32.2	61.1	67.1	71.7	75.2	75.9	77.2	77.8	77.8	78.2	78.2	78.2	78.3	78.3	78.3	78.4
IV 1800	33.0	61.8	67.9	72.5	76.1	76.8	78.1	78.7	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.4
IV 1500	34.4	63.0	69.8	74.5	78.2	79.0	80.4	81.1	81.2	81.5	81.6	81.6	81.6	81.7	81.7	81.8
IV 1200	35.0	65.3	71.9	76.8	80.7	81.6	83.3	84.1	84.1	84.6	84.7	84.7	84.8	84.8	84.8	84.9
IV 1000	35.2	66.3	73.3	78.8	83.1	84.1	85.0	87.0	87.1	87.7	87.8	87.8	87.9	87.9	87.9	88.1
IV 900	35.3	66.8	74.1	79.5	84.0	84.9	85.9	88.0	88.1	88.7	88.9	88.9	88.9	89.0	89.0	89.1
IV 800	35.4	67.4	74.8	80.4	85.2	86.2	88.4	89.5	89.7	90.3	90.5	90.5	90.6	90.6	90.6	90.8
IV 700	35.4	67.6	75.3	81.1	86.1	87.4	89.8	90.9	91.1	91.8	92.0	92.0	92.1	92.1	92.2	92.3
IV 600	35.5	67.8	75.6	81.5	86.8	88.1	90.6	92.1	92.3	93.0	93.3	93.3	93.4	93.4	93.5	93.6
IV 500	35.5	67.9	75.7	82.0	87.4	89.6	91.5	93.1	93.3	94.4	94.9	94.9	95.0	95.0	95.1	95.2
IV 400	35.5	67.9	75.8	82.1	87.7	89.2	92.1	94.2	94.4	95.6	96.3	96.3	96.5	96.5	96.7	96.9
IV 300	35.5	67.9	75.8	82.2	87.9	89.4	92.4	94.8	95.0	96.5	97.3	97.4	97.7	97.7	97.9	98.3
IV 200	35.5	67.9	75.8	82.2	87.9	89.4	92.5	94.9	95.2	96.8	97.7	97.8	98.2	98.4	98.5	99.2
IV 100	35.5	67.9	75.8	82.2	87.9	89.4	92.5	94.9	95.2	96.8	97.7	97.9	98.4	98.5	99.0	99.7
IV 0	35.5	67.9	75.8	82.2	87.9	89.4	92.5	94.9	95.2	96.8	97.7	97.9	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3147

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800 STATION CHANDLER AFB ILLINOIS/RAHNTJUL STATION NAME

36-70 YEARS

110V MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	27.5	37.2	39.0	39.8	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 20000	32.2	45.1	47.4	48.5	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 18000	32.4	45.3	47.6	48.7	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 16000	32.4	45.4	47.7	48.8	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 14000	32.6	45.8	48.2	49.3	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 12000	33.5	47.6	50.2	51.3	51.6	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 10000	35.1	49.9	52.7	53.9	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 9000	35.4	50.6	53.3	54.5	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 8000	36.5	52.1	55.1	56.4	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 7000	37.1	53.3	56.4	57.9	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	37.7	54.4	57.6	59.2	59.8	59.8	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2
IV 5000	38.2	55.7	59.0	60.6	61.3	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4500	38.6	56.3	59.9	61.6	62.4	62.4	62.7	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9
IV 4000	40.1	58.7	62.2	64.1	64.9	64.9	65.2	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5
IV 3500	41.2	60.7	64.3	66.3	67.2	67.2	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8
IV 3000	43.4	64.2	68.0	70.1	71.0	71.1	71.5	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8
IV 2500	45.3	67.4	71.3	73.7	74.7	74.8	75.2	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6
IV 2000	47.7	71.3	75.8	78.8	79.1	79.2	79.7	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IV 1800	48.2	72.3	76.8	79.9	80.3	80.5	81.0	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5
IV 1500	49.1	74.1	78.5	81.4	82.8	83.0	83.8	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3
IV 1200	49.5	75.9	81.1	84.1	85.8	86.0	86.9	87.1	87.2	87.3	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	49.8	77.2	82.7	86.0	88.3	88.6	89.6	89.9	90.0	90.4	90.7	90.7	90.8	90.8	90.8	90.8
IV 900	49.8	77.4	83.2	86.8	89.2	89.5	90.6	90.9	90.9	91.5	91.7	91.7	91.8	91.8	91.8	91.8
IV 800	49.9	77.7	83.7	87.5	90.2	90.5	91.7	92.1	92.1	92.7	93.0	93.1	93.1	93.1	93.1	93.1
IV 700	49.9	77.8	84.0	88.0	90.9	91.5	92.8	93.3	93.3	94.1	94.5	94.5	94.6	94.6	94.6	94.6
IV 600	50.0	77.9	84.1	88.3	91.5	92.2	93.8	94.6	94.6	95.4	95.8	95.9	96.0	96.0	96.0	96.0
IV 500	50.0	78.1	84.3	88.8	92.1	92.9	94.6	95.6	95.7	96.7	97.2	97.2	97.4	97.4	97.4	97.4
IV 400	50.1	78.2	84.6	88.9	92.3	93.3	95.2	96.4	96.5	97.6	98.1	98.2	98.4	98.4	98.4	98.5
IV 300	50.1	78.2	84.6	88.9	92.3	93.4	95.6	96.9	97.0	98.4	99.0	99.0	99.3	99.4	99.4	99.4
IV 200	50.1	78.3	84.6	88.9	92.4	93.5	95.7	97.0	97.1	98.7	99.3	99.4	99.7	99.7	99.7	99.8
IV 100	50.1	78.3	84.6	88.9	92.4	93.5	95.7	97.0	97.1	98.7	99.3	99.4	99.8	99.8	99.8	99.9
IV 0	50.1	78.3	84.6	88.9	92.4	93.5	95.7	97.0	97.1	98.7	99.3	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3148

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

14805  
 STATION

CHICAGO AND ILLINOIS/KANTOUL  
 STATION NAME

16-70  
 YEARS

YEARS

JULY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	27.9	37.6	39.8	40.7	41.1	41.1	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	22.2	44.8	47.6	48.8	49.3	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	32.4	45.0	47.9	49.0	49.5	49.6	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 16000	32.4	45.2	48.1	49.2	49.8	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 14000	33.0	46.1	49.0	50.1	50.7	50.7	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 12000	34.4	48.3	51.3	52.4	53.0	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 10000	36.3	51.1	54.4	55.6	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 9000	36.8	52.1	55.4	56.5	57.1	57.2	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 8000	37.9	54.0	57.4	58.7	59.4	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 7000	38.4	55.3	58.9	60.2	61.0	61.1	61.2	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000	38.9	56.2	59.8	61.4	62.2	62.3	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 5000	39.9	57.8	61.7	63.5	64.5	64.5	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 4500	40.3	58.9	62.9	64.8	65.8	65.8	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 4000	41.4	60.9	64.1	67.3	68.2	68.3	68.7	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1
IV 3500	42.4	62.7	67.2	69.4	70.4	70.4	70.8	71.0	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3
IV 3000	43.6	65.2	69.9	72.2	73.3	73.3	73.8	74.0	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4
IV 2500	45.0	68.2	73.3	75.7	76.8	76.9	77.4	77.6	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0
IV 2000	46.3	71.2	76.7	79.3	80.5	80.7	81.3	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	46.8	72.2	77.6	80.4	81.9	82.0	82.8	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1500	47.2	73.9	79.8	82.7	84.3	84.6	85.6	85.9	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1200	47.6	74.9	81.1	84.3	86.3	86.6	87.7	88.1	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.6
IV 1000	47.6	75.9	82.4	86.1	88.4	88.7	89.9	90.4	90.5	91.2	91.3	91.3	91.3	91.3	91.3	91.3
IV 900	47.6	75.9	82.7	86.6	88.9	89.3	90.6	91.0	91.2	91.9	92.1	92.1	92.1	92.1	92.1	92.1
IV 800	47.6	76.3	82.9	87.1	89.7	90.2	91.5	92.0	92.2	93.0	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	47.7	76.2	83.0	87.4	90.2	90.8	92.2	92.9	93.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2
IV 600	47.7	76.3	83.2	87.8	90.7	91.4	93.0	93.7	94.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	47.8	76.5	83.4	88.2	91.4	92.1	93.8	94.8	95.1	96.3	96.7	96.7	96.9	96.9	96.9	96.9
IV 400	47.8	76.6	83.6	88.5	92.0	92.7	94.6	95.8	96.1	97.4	97.9	97.9	98.1	98.1	98.1	98.1
IV 300	47.8	76.6	83.6	88.5	92.1	92.8	94.8	96.0	96.4	97.6	98.5	98.5	98.8	98.8	98.9	98.9
IV 200	47.8	76.6	83.6	88.5	92.1	92.9	94.8	96.1	96.5	97.9	98.8	98.8	99.1	99.1	99.4	99.4
IV 100	47.8	76.6	83.6	88.5	92.1	92.9	94.8	96.1	96.5	97.9	98.8	98.8	99.2	99.3	99.7	99.9
IV 0	47.8	76.6	83.6	88.5	92.1	92.9	94.8	96.1	96.5	97.9	98.8	98.8	99.2	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

3144

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTGUL  
STATION NAME

36-70  
YEARS

IV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	21.3	42.9	45.3	47.4	48.4	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	30.8	48.0	51.0	53.1	54.1	54.5	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 18000	30.8	48.1	51.1	53.2	54.2	54.7	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 16000	30.7	48.3	51.3	53.4	54.5	54.9	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 14000	31.2	48.9	51.9	54.1	55.2	55.6	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 12000	31.9	50.3	53.4	55.7	56.7	57.2	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	33.8	53.0	56.3	58.7	59.8	60.2	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 9000	34.4	53.9	57.2	59.6	60.7	61.2	61.7	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 8000	35.4	55.5	58.9	61.4	62.6	63.0	63.5	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 7000	35.9	56.3	59.8	62.5	63.7	64.2	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 6000	36.8	57.8	61.3	64.0	65.3	65.8	66.3	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 5000	38.1	59.9	63.4	66.9	68.3	68.9	69.5	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 4500	38.8	61.2	65.2	68.4	69.9	70.4	71.1	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000	39.6	62.7	67.1	70.8	72.2	72.7	73.5	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	40.7	64.5	69.1	72.6	74.4	74.9	75.7	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3000	41.6	66.7	71.6	75.2	77.1	77.6	78.4	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	42.9	68.8	74.1	78.0	80.1	80.7	81.5	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	44.1	71.5	77.1	81.3	83.6	84.4	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1800	44.2	71.8	77.5	82.0	84.4	85.2	86.1	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1500	44.5	72.9	78.8	83.7	86.2	87.1	88.0	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1200	44.8	73.7	79.8	84.8	87.5	88.3	89.8	90.1	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5
IV 1000	44.9	74.2	80.6	85.9	88.7	89.7	91.1	91.6	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	44.9	74.2	80.7	86.1	89.0	90.0	91.4	92.0	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	45.0	74.4	81.1	86.5	89.5	90.5	92.1	92.8	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	45.0	74.5	81.2	86.7	90.0	90.9	92.6	93.4	93.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	45.1	74.7	81.5	87.1	90.5	91.6	93.4	94.2	94.4	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	45.1	74.8	81.7	87.3	90.8	91.9	93.8	94.9	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	45.1	74.8	81.8	87.6	91.2	92.3	94.5	95.8	96.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	45.1	74.9	81.8	87.7	91.4	92.7	94.9	96.4	96.7	97.9	98.2	98.2	98.2	98.2	98.2	98.2
IV 200	45.1	74.9	81.8	87.7	91.5	92.8	95.1	96.7	96.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	45.1	74.9	81.8	87.7	91.5	92.9	95.2	96.8	97.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	45.1	74.9	81.8	87.7	91.5	92.9	95.2	96.8	97.0	98.5	98.9	98.9	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3146

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

19805  
STATION

CAHNSIC AFB ILLINOIS/RAH/TOL  
STATION NAME

36-70  
YEARS

1-11  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS ZST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	½	≥5/16	¼	≥0
NO CEILING ≥ 20000	20.0	41.5	44.1	46.9	46.8	49.2	49.5	49.7	49.7	49.8	49.8	49.8	49.9	49.9	49.9	50.0
IV 18000 16000	27.7	45.4	48.1	51.7	53.2	53.7	54.0	54.2	54.2	54.3	54.4	54.4	54.5	54.5	54.5	54.6
IV 14000 12000	28.2	46.5	49.1	52.3	54.2	54.8	55.1	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.7
IV 10000 9000	30.6	50.0	52.5	56.2	58.2	58.8	59.1	59.3	59.3	59.5	59.5	59.5	59.6	59.6	59.7	59.8
IV 8000 7000	32.1	52.3	55.5	58.9	61.0	61.5	61.9	62.1	62.1	62.3	62.3	62.3	62.4	62.4	62.5	62.6
IV 6000 5000	33.8	55.0	58.5	62.2	64.6	65.1	65.5	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.1	66.2
IV 4500 4000	35.2	57.5	61.1	65.3	67.4	68.1	68.6	68.7	68.8	68.9	69.0	69.0	69.1	69.1	69.1	69.2
IV 3500 3000	38.2	63.1	67.4	71.6	74.3	75.0	75.6	75.7	75.7	76.0	76.1	76.1	76.2	76.2	76.3	76.3
IV 2500 2000	39.4	65.4	70.1	74.4	77.3	78.0	78.7	78.9	79.0	79.2	79.3	79.3	79.4	79.4	79.5	79.5
IV 1800 1500	40.4	67.4	72.3	76.8	79.9	80.7	81.4	81.7	81.7	81.9	82.0	82.0	82.1	82.1	82.2	82.3
IV 1200 1000	41.3	69.1	74.3	79.1	82.4	83.3	84.1	84.4	84.4	84.7	84.8	84.8	84.9	84.9	85.0	85.0
IV 900 800	41.4	69.6	75.0	79.8	83.2	84.1	84.9	85.2	85.3	85.5	85.7	85.7	85.8	85.8	85.8	85.9
IV 700 600	41.8	70.6	76.2	81.3	84.9	85.9	86.8	87.2	87.3	87.5	87.7	87.7	87.8	87.8	87.8	87.9
IV 500 400	42.0	71.8	77.8	83.2	86.9	88.0	88.9	89.4	89.4	89.7	89.9	89.9	90.0	90.0	90.0	90.1
IV 300 200	42.1	72.0	78.3	84.1	88.0	89.1	90.3	90.7	90.8	91.2	91.4	91.4	91.5	91.5	91.5	91.6
IV 100 0	42.1	72.4	78.4	84.3	88.3	89.5	90.7	91.1	91.2	91.7	91.8	91.8	91.9	91.9	92.0	92.1
	42.1	72.4	78.8	84.9	89.0	90.2	91.5	91.9	92.0	92.5	92.7	92.7	92.8	92.8	92.9	92.9
	42.1	72.7	79.3	85.6	90.1	91.4	92.9	93.5	93.7	94.5	94.7	94.7	94.8	94.8	94.9	94.9
	42.3	73.0	79.7	86.3	90.9	92.2	93.9	94.7	94.9	95.7	96.0	96.0	96.2	96.2	96.2	96.3
	42.3	73.1	79.9	86.7	91.4	92.8	94.8	95.8	96.1	97.0	97.4	97.4	97.6	97.6	97.6	97.7
	42.3	73.1	79.9	86.7	91.4	92.9	93.2	96.3	96.6	97.8	98.2	98.2	98.5	98.5	98.5	98.6
	42.3	73.1	79.9	86.7	91.5	92.9	95.3	96.4	96.8	98.1	98.6	98.6	99.0	99.0	99.2	99.3
	42.3	73.1	79.9	86.7	91.5	92.9	95.3	96.5	96.8	98.3	98.8	98.8	99.2	99.3	99.5	99.7
	42.3	73.1	79.9	86.7	91.5	92.9	95.3	96.5	96.8	98.3	98.8	98.8	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3146

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHAMBLEE AFB ILLINOIS/RANTUL

10-63  
YEARS

EC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	16.2	32.5	35.8	39.3	42.3	43.2	44.5	44.5	44.6	44.9	45.0	45.1	45.3	45.3	45.3	45.9
≥ 20000	19.0	36.0	40.0	43.6	46.9	48.0	49.4	49.5	49.5	49.9	50.1	50.1	50.3	50.3	50.4	51.0
IV 18000	19.1	36.0	40.1	43.8	47.1	48.2	49.5	49.6	49.7	50.0	50.2	50.3	50.5	50.5	50.5	51.1
IV 16000	19.2	36.1	40.2	43.9	47.2	48.3	49.6	49.7	49.8	50.1	50.3	50.4	50.6	50.6	50.6	51.2
IV 14000	19.4	36.7	40.8	44.6	48.0	49.1	50.5	50.6	50.7	51.0	51.2	51.3	51.5	51.5	51.6	52.1
IV 12000	19.7	37.4	41.6	45.4	49.0	50.1	51.6	51.7	51.8	52.1	52.3	52.3	52.5	52.5	52.6	53.2
IV 10000	20.3	38.7	43.0	47.1	50.8	51.9	53.6	53.7	53.7	54.2	54.4	54.4	54.6	54.6	54.7	55.3
IV 9000	20.7	39.3	43.7	47.9	51.6	52.9	54.5	54.6	54.6	55.1	55.3	55.3	55.5	55.5	55.6	56.2
IV 8000	21.1	40.5	45.0	49.4	53.3	54.7	56.4	56.5	56.5	57.0	57.2	57.2	57.4	57.4	57.5	58.1
IV 7000	21.8	41.8	46.4	51.0	55.0	56.4	58.3	58.4	58.4	58.9	59.1	59.1	59.3	59.3	59.4	60.0
IV 6000	22.4	42.7	47.3	52.0	56.1	57.6	59.6	59.7	59.8	60.3	60.5	60.5	60.7	60.7	60.8	61.4
IV 5000	23.0	43.8	48.6	53.5	57.7	59.1	61.1	61.3	61.3	61.9	62.1	62.2	62.3	62.3	62.4	63.0
IV 4500	23.0	44.2	49.0	53.9	58.1	59.6	61.6	61.8	61.8	62.4	62.6	62.7	62.9	62.9	62.9	63.9
IV 4000	23.3	45.1	50.1	55.2	59.5	61.0	63.1	63.3	63.3	64.0	64.2	64.2	64.4	64.4	64.5	65.1
IV 3500	23.4	45.8	51.0	56.1	60.3	62.0	64.1	64.3	64.4	65.0	65.2	65.2	65.4	65.4	65.5	66.1
IV 3000	23.9	47.6	53.1	58.8	63.4	65.0	67.1	67.3	67.3	68.0	68.2	68.2	68.4	68.4	68.5	69.1
IV 2500	24.6	49.2	55.1	60.8	65.5	67.2	69.3	69.6	69.6	70.3	70.5	70.5	70.7	70.7	70.8	71.4
IV 2000	25.0	51.4	57.6	63.6	68.5	70.2	72.7	73.1	73.1	73.8	74.0	74.1	74.3	74.3	74.4	75.0
IV 1800	25.3	52.3	58.6	64.7	69.8	71.5	74.0	74.4	74.5	75.3	75.5	75.5	75.8	75.8	75.9	76.4
IV 1500	25.3	53.3	59.6	66.1	71.6	73.3	76.1	76.6	76.7	77.5	77.7	77.8	78.1	78.1	78.1	78.7
IV 1200	25.8	54.4	61.3	68.0	73.9	75.6	78.5	79.0	79.2	80.2	80.5	80.5	80.8	80.8	80.9	81.5
IV 1000	25.8	55.5	62.3	69.6	75.9	77.7	80.7	81.3	81.4	82.6	82.8	82.9	83.3	83.3	83.3	84.0
IV 900	26.0	55.8	62.5	69.9	76.4	78.2	81.3	82.0	82.1	83.3	83.6	83.7	84.0	84.0	84.1	84.8
IV 800	26.0	55.9	62.9	70.4	77.3	79.2	82.4	83.2	83.4	84.8	85.1	85.2	85.6	85.6	85.7	86.3
IV 700	26.0	56.0	63.1	70.6	77.7	79.7	83.1	83.9	84.1	85.5	85.9	85.9	86.3	86.3	86.4	87.0
IV 600	26.0	56.0	63.3	71.0	78.3	80.3	84.3	85.7	85.9	87.5	87.9	87.9	88.3	88.3	88.4	89.1
IV 500	26.0	56.0	63.4	71.2	78.6	81.0	85.3	86.7	86.8	88.7	89.1	89.2	89.6	89.6	89.6	90.3
IV 400	26.0	56.1	63.5	71.3	79.1	81.4	86.2	87.7	87.9	89.8	90.4	90.5	91.0	91.0	91.1	91.7
IV 300	26.1	56.2	63.6	71.5	79.3	81.9	87.1	89.1	89.3	91.7	92.2	92.4	93.1	93.2	93.3	94.0
IV 200	26.1	56.2	63.6	71.6	79.6	82.1	87.4	89.4	89.6	92.3	93.3	93.5	94.5	94.6	94.6	95.5
IV 100	26.1	56.2	63.6	71.6	79.6	82.1	87.4	89.4	89.8	92.6	93.6	93.9	95.1	95.2	96.3	97.4
IV 0	26.1	56.2	63.6	71.6	79.6	82.1	87.4	89.4	89.8	92.6	93.6	94.0	95.2	95.3	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS..... 2539

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLE AFB ILLINOIS/RAVTOUL  
STATION NAME

30-62  
YEARS

YEARS

UFC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	15.5	30.0	33.5	37.9	40.5	41.4	42.5	43.1	43.1	43.4	43.5	43.5	43.8	43.8	43.9	44.4
≥ 20000	16.2	32.8	36.5	40.5	44.4	45.3	46.6	47.1	47.1	47.5	47.6	47.5	47.8	47.8	47.9	48.4
IV 18000	16.2	32.9	36.0	40.7	44.3	45.4	46.7	47.3	47.3	47.6	47.7	47.7	48.0	48.0	48.0	48.6
≥ 16000	16.2	32.9	36.7	40.7	44.0	45.5	46.8	47.4	47.4	47.7	47.8	47.8	48.1	48.1	48.2	48.7
IV 14000	16.4	33.5	37.3	41.4	45.3	46.2	47.6	48.2	48.2	48.5	48.7	48.7	48.9	48.9	49.0	49.5
≥ 12000	16.9	34.5	38.5	42.3	47.0	47.9	49.6	50.2	50.2	50.5	50.6	50.6	50.9	50.9	51.0	51.5
IV 10000	17.5	36.1	40.5	44.9	49.2	50.1	51.8	52.4	52.4	52.7	52.9	52.9	53.1	53.1	53.2	53.7
≥ 9000	17.7	36.5	41.0	45.5	49.2	50.7	52.4	53.1	53.1	53.4	53.6	53.6	53.8	53.8	53.9	54.4
IV 8000	18.1	37.7	42.5	47.0	51.4	52.4	54.0	54.7	54.7	55.1	55.3	55.3	55.6	55.6	55.7	56.2
≥ 7000	18.7	38.9	43.7	48.4	52.9	53.9	55.8	56.6	56.6	57.0	57.2	57.2	57.4	57.4	57.5	58.0
IV 6000	19.2	39.6	44.5	49.3	53.9	55.1	57.1	57.8	57.8	58.2	58.4	58.4	58.6	58.6	58.8	59.3
≥ 5000	19.6	40.0	45.2	50.4	53.4	56.5	58.0	59.4	59.4	59.8	60.0	60.0	60.3	60.3	60.4	60.9
IV 4500	19.7	41.1	46.0	51.2	56.1	57.3	59.4	60.3	60.3	60.7	60.9	60.9	61.2	61.2	61.3	61.8
≥ 4000	20.0	41.8	46.9	52.2	57.2	58.4	60.7	61.6	61.6	62.0	62.2	62.2	62.5	62.5	62.6	63.1
IV 3500	20.4	42.9	48.2	53.7	58.8	60.0	62.4	63.3	63.3	63.8	64.0	64.0	64.2	64.2	64.3	64.9
≥ 3000	20.8	44.5	49.9	55.8	61.1	62.4	64.8	65.7	65.7	66.2	66.4	66.4	66.6	66.6	66.7	67.3
IV 2500	21.1	45.3	51.0	57.2	62.7	64.0	66.5	67.4	67.4	67.8	68.0	68.0	68.3	68.3	68.4	68.9
≥ 2000	21.6	47.3	53.4	59.8	65.5	66.9	69.6	70.6	70.6	71.0	71.2	71.2	71.5	71.5	71.6	72.1
IV 1800	21.6	47.8	54.1	60.4	66.5	67.9	70.7	71.7	71.7	72.2	72.4	72.4	72.6	72.6	72.7	73.2
≥ 1500	22.0	49.9	56.3	63.2	69.4	70.8	73.8	74.9	74.9	75.4	75.7	75.7	75.9	75.9	76.1	76.6
IV 1200	22.4	51.6	58.4	65.7	72.2	73.7	76.9	78.0	78.0	78.6	79.0	79.0	79.2	79.2	79.4	79.9
≥ 1000	22.7	52.5	59.5	67.0	73.8	75.5	78.8	80.1	80.1	80.8	81.2	81.3	81.6	81.6	81.7	82.2
IV 900	22.7	52.7	59.8	67.5	74.4	76.1	79.6	81.1	81.1	82.2	82.5	82.6	82.9	82.9	83.1	83.6
≥ 800	22.8	53.0	60.4	68.2	75.4	77.1	81.0	82.5	82.6	83.8	84.2	84.3	84.7	84.7	84.8	85.3
IV 700	22.8	53.1	60.6	68.5	76.0	77.8	81.8	83.3	83.5	84.8	85.3	85.5	85.9	85.9	86.0	86.5
≥ 600	22.8	53.3	60.8	68.9	76.7	78.5	82.7	84.5	84.6	86.1	86.7	86.9	87.3	87.3	87.4	87.9
IV 500	22.8	53.4	61.1	69.4	77.6	79.5	84.4	86.4	86.5	88.2	88.8	89.9	89.4	89.4	89.6	90.1
≥ 400	22.8	53.4	61.2	69.8	78.2	80.2	85.6	88.0	88.2	90.2	90.8	91.0	91.6	91.6	91.7	92.2
IV 300	22.8	53.4	61.2	69.8	78.7	80.7	86.6	88.9	89.1	91.4	92.2	92.3	93.3	93.3	93.5	94.0
≥ 200	22.8	53.4	61.3	69.5	78.8	80.8	86.3	88.9	89.3	92.2	93.3	93.3	94.7	94.8	95.2	95.9
IV 100	22.8	53.4	61.3	69.9	78.8	80.8	86.3	89.0	89.4	92.4	93.7	94.1	95.6	95.7	96.4	97.6
≥ 0	22.8	53.4	61.3	69.9	78.8	80.8	86.3	89.0	89.4	92.4	93.7	94.1	95.7	95.9	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2510

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

16806 STATION CHARLEAF AFB ILLINOIS/KARTJL

16-70 YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0800 HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	13.7	24.2	26.0	29.6	32.8	33.3	34.8	35.7	35.7	36.6	36.6	36.6	36.7	36.7	36.8	37.0	
≥20000	14.5	26.8	30.2	33.5	37.5	38.2	40.1	41.2	41.3	42.3	42.4	42.4	42.6	42.6	42.7	42.9	
≥18000	14.5	26.9	30.3	33.6	37.6	38.3	40.2	41.3	41.4	42.4	42.5	42.5	42.7	42.7	42.8	43.0	
≥16000	14.5	27.0	30.4	33.7	37.7	38.4	40.4	41.4	41.5	42.5	42.7	42.7	42.8	42.8	42.9	43.1	
≥14000	14.8	27.6	31.2	34.5	38.6	39.3	41.4	42.5	42.6	43.7	43.8	43.8	43.9	43.9	44.0	44.3	
≥12000	15.7	27.9	32.4	36.1	40.4	41.2	43.3	44.5	44.6	45.7	45.9	45.9	46.0	46.0	46.1	46.4	
≥10000	16.7	20.9	34.8	38.7	43.1	44.0	46.3	47.4	47.5	48.8	49.0	49.0	49.1	49.1	49.2	49.4	
≥9000	17.0	31.6	35.6	39.5	43.8	44.6	47.0	48.2	48.3	49.6	49.8	49.8	49.9	49.9	50.0	50.4	
≥8000	17.6	32.9	37.1	41.1	45.8	46.8	49.2	50.4	50.5	51.8	52.1	52.1	52.2	52.2	52.3	52.6	
≥7000	18.3	34.1	38.3	42.8	47.6	48.8	51.2	52.5	52.6	53.9	54.1	54.1	54.3	54.3	54.4	54.7	
≥6000	16.7	35.0	39.5	44.1	49.2	50.5	53.0	54.3	54.4	55.7	55.9	55.9	56.1	56.1	56.2	56.5	
≥5000	19.2	36.3	41.0	45.7	50.5	52.3	54.9	56.2	56.3	57.7	58.0	58.2	58.1	58.1	58.2	58.5	
≥4500	19.6	37.1	41.8	46.6	51.3	53.2	55.9	57.2	57.5	58.9	59.2	59.2	59.3	59.3	59.4	59.8	
≥4000	19.9	37.8	42.7	47.5	52.8	54.2	56.9	58.3	58.5	60.0	60.3	60.3	60.4	60.4	60.6	60.9	
≥3500	20.1	38.3	43.3	48.4	53.8	55.4	58.1	59.5	59.7	61.2	61.5	61.5	61.6	61.6	61.8	62.1	
≥3000	20.5	39.4	44.7	49.8	55.0	57.2	60.0	61.3	61.6	63.1	63.4	63.4	63.5	63.5	63.6	63.9	
≥2500	21.1	40.6	46.5	51.9	57.9	59.6	62.4	63.8	64.1	65.6	65.9	65.9	66.1	66.1	66.2	66.5	
≥2000	21.4	43.2	49.1	55.0	61.4	63.2	66.2	67.7	68.0	69.5	69.8	69.8	70.0	70.0	70.2	70.5	
≥1800	22.1	43.7	49.6	55.6	62.2	64.0	67.0	68.5	68.8	70.4	70.7	70.7	70.8	70.8	71.0	71.3	
≥1500	22.5	45.3	51.7	58.2	65.0	66.9	70.2	71.7	72.0	73.7	74.0	74.0	74.2	74.2	74.4	74.7	
≥1200	23.0	46.6	53.3	60.1	67.1	69.2	72.7	74.4	74.7	76.5	76.9	77.0	77.2	77.2	77.4	77.7	
≥1000	23.3	48.0	55.0	62.1	69.4	71.6	75.5	77.4	77.8	79.6	80.1	80.2	80.5	80.5	80.7	81.0	
≥900	23.4	48.4	55.4	62.5	70.0	72.3	76.4	78.4	78.8	80.7	81.2	81.3	81.7	81.7	81.9	82.2	
≥800	23.5	49.0	56.1	63.3	71.1	73.3	77.6	79.6	80.0	82.2	82.8	82.7	83.3	83.3	83.5	83.8	
≥700	23.5	49.4	56.7	64.2	72.1	74.4	78.8	81.0	81.5	83.9	84.4	84.6	85.0	85.0	85.1	85.5	
≥600	23.5	49.7	57.1	64.8	72.9	75.3	79.9	82.3	82.8	85.3	86.0	86.1	86.6	86.6	86.9	87.2	
≥500	23.5	49.8	57.5	65.3	73.8	76.3	81.1	84.0	84.5	87.5	88.3	88.5	89.1	89.2	89.5	89.8	
≥400	23.5	49.9	57.6	65.6	74.3	76.9	82.0	85.2	85.8	89.1	90.1	90.2	90.9	91.1	91.4	91.8	
≥300	23.5	50.0	57.7	65.7	74.6	77.2	82.5	85.8	86.4	90.0	91.4	91.6	92.6	92.7	93.2	93.7	
≥200	23.5	50.0	57.7	65.7	74.7	77.3	82.7	86.2	86.9	90.8	92.6	92.7	94.0	94.3	94.9	95.6	
≥100	23.5	50.0	57.7	65.7	74.7	77.3	82.7	86.3	87.0	91.1	93.0	93.3	94.7	95.1	96.0	97.3	
≥0	23.5	50.0	57.7	65.7	74.7	77.3	82.7	86.3	87.0	91.1	93.0	93.3	94.7	95.1	96.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 3077

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRAND AFB ILLINOIS/RANTOUL  
STATION NAME

36-79  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0	
NO CEILING	17.1	26.6	28.6	31.5	33.7	34.1	34.8	35.0	35.0	35.3	35.4	35.4	35.5	35.5	35.5	35.5
≥ 20000	19.4	31.0	34.0	37.6	40.5	41.0	41.9	42.3	42.3	42.6	42.7	42.7	42.8	42.8	42.8	42.8
≥ 18000	19.5	31.1	34.0	37.7	40.6	41.1	42.0	42.4	42.4	42.7	42.8	42.8	42.9	42.9	42.9	42.9
≥ 16000	19.5	31.2	34.1	37.8	40.8	41.3	42.2	42.5	42.5	42.9	43.0	43.0	43.1	43.1	43.1	43.1
≥ 14000	19.9	31.9	34.9	38.7	41.8	42.3	43.2	43.6	43.6	44.0	44.1	44.1	44.1	44.1	44.1	44.2
≥ 12000	20.6	33.2	36.4	40.2	43.5	44.1	45.1	45.6	45.6	45.9	46.0	46.0	46.1	46.1	46.1	46.1
≥ 10000	21.4	35.3	38.8	43.2	46.9	47.5	48.5	49.0	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.7
≥ 9000	22.0	36.1	39.7	44.2	48.0	48.6	49.6	50.2	50.4	50.7	50.8	50.9	50.9	50.9	50.9	50.9
≥ 8000	22.9	37.2	40.9	45.6	49.7	50.2	51.4	52.0	52.1	52.6	52.7	52.7	52.8	52.8	52.8	52.8
≥ 7000	23.1	38.3	42.1	47.1	51.3	51.9	53.1	53.8	53.9	54.3	54.5	54.5	54.6	54.6	54.6	54.6
≥ 6000	23.5	39.1	43.1	48.2	52.7	53.3	54.6	55.2	55.4	55.8	56.0	56.0	56.1	56.1	56.1	56.1
≥ 5000	24.0	40.1	44.3	49.4	54.5	55.1	56.4	57.1	57.2	57.7	57.9	57.9	58.0	58.0	58.0	58.0
≥ 4500	24.2	40.8	45.3	50.7	55.4	56.1	57.5	58.2	58.3	58.9	59.1	59.1	59.2	59.2	59.2	59.2
≥ 4000	24.5	41.5	46.2	51.8	56.8	57.5	59.1	59.9	60.1	60.6	60.9	60.9	60.9	60.9	61.0	61.0
≥ 3500	24.8	42.1	46.9	52.8	57.7	58.5	60.2	61.0	61.1	61.7	62.0	62.0	62.1	62.1	62.1	62.1
≥ 3000	25.2	42.9	48.1	54.0	59.4	60.3	62.0	62.8	63.0	63.7	64.1	64.1	64.1	64.1	64.2	64.2
≥ 2500	25.4	44.0	49.4	55.3	61.2	62.3	64.1	65.1	65.3	66.1	66.5	66.5	66.6	66.6	66.6	66.6
≥ 2000	26.8	46.0	51.8	58.1	63.9	65.0	66.9	67.9	68.1	68.9	69.4	69.4	69.4	69.4	69.5	69.5
≥ 1800	26.9	46.8	52.6	59.2	65.2	66.3	68.2	69.2	69.5	70.3	70.8	70.8	70.9	70.9	70.9	71.0
≥ 1500	27.4	48.3	54.4	61.4	67.7	69.0	71.4	72.5	72.8	73.6	74.2	74.2	74.3	74.3	74.4	74.4
≥ 1200	27.9	50.0	56.4	63.8	70.4	72.0	74.7	76.0	76.3	77.2	77.8	77.8	77.9	77.9	78.0	78.0
≥ 1000	27.9	50.9	57.6	65.3	72.4	74.2	77.3	78.8	79.1	80.4	81.1	81.1	81.2	81.2	81.3	81.3
≥ 900	28.0	51.3	59.1	65.9	73.2	75.0	78.2	79.9	80.2	81.7	82.4	82.4	82.5	82.5	82.7	82.7
≥ 800	28.0	51.8	59.9	67.0	74.3	76.4	79.9	81.8	82.1	83.7	84.5	84.6	84.8	84.8	84.9	85.0
≥ 700	28.1	52.2	59.4	67.8	75.5	77.5	81.1	83.1	83.6	85.3	86.4	86.4	86.7	86.7	86.9	86.9
≥ 600	28.1	52.2	59.5	68.0	76.1	78.2	82.1	84.2	84.8	86.8	87.9	87.9	88.2	88.3	88.5	88.6
≥ 500	28.1	52.5	59.9	68.7	77.0	79.2	83.2	85.6	86.3	88.6	90.0	90.0	90.5	90.5	90.9	90.9
≥ 400	28.1	52.6	60.2	69.1	77.6	79.8	84.3	86.9	87.6	90.4	91.9	92.0	92.7	92.9	93.2	93.2
≥ 300	28.1	52.6	60.2	69.2	77.7	80.0	84.6	87.7	88.5	91.6	93.5	93.5	94.6	94.8	95.2	95.5
≥ 200	28.1	52.6	60.2	69.2	77.9	80.3	85.1	88.3	89.2	92.9	95.2	95.3	96.8	97.1	97.5	97.8
≥ 100	28.1	52.6	60.2	69.2	78.0	80.4	85.1	88.3	89.3	92.9	95.3	95.4	97.1	97.5	98.2	98.8
≥ 0	28.1	52.6	60.2	69.2	78.0	80.4	85.1	88.3	89.3	92.9	95.4	95.4	97.2	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

3246

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
 STATION

CHANCE AFB ILLINOIS/KANTJUL  
 STATION NAME

36-70  
 YEARS

1200-1400  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	21.0	30.1	31.7	33.1	34.1	34.3	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 18000 IV 16000	24.2	36.3	38.5	40.6	41.8	42.0	42.3	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 14000 IV 12000	24.8	37.5	39.8	41.9	43.3	43.6	43.9	44.0	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 10000 IV 9000	27.0	41.4	43.5	46.4	48.0	48.3	48.8	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 8000 IV 7000	28.5	43.9	47.0	49.7	51.4	51.7	52.3	52.5	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8
IV 6000 IV 5000	29.2	46.1	49.6	52.6	54.5	54.8	55.4	55.7	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0
IV 4500 IV 4000	30.0	47.6	51.2	54.6	56.6	56.9	57.6	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 3500 IV 3000	30.6	49.2	53.3	57.0	59.3	59.7	60.6	61.0	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4
IV 2500 IV 2000	32.0	52.5	56.8	60.8	63.5	64.0	65.1	65.6	65.7	66.0	66.1	66.1	66.1	66.2	66.2	66.2
IV 1800 IV 1500	33.9	56.2	61.0	65.3	68.4	69.1	70.4	70.9	71.0	71.4	71.5	71.5	71.6	71.6	71.6	71.6
IV 1200 IV 1000	35.4	60.6	65.9	71.0	74.7	75.6	77.8	78.7	78.9	79.3	79.5	79.5	79.6	79.6	79.6	79.6
IV 900 IV 800	35.6	61.8	67.5	73.4	78.0	79.2	82.0	83.3	83.5	84.3	84.6	84.6	84.7	84.7	84.7	84.7
IV 700 IV 600	35.8	62.6	68.8	75.4	80.5	82.0	85.2	86.8	87.3	88.2	88.8	88.8	89.0	89.0	89.0	89.0
IV 500 IV 400	35.9	63.1	69.5	76.6	82.5	84.2	88.1	90.0	90.6	91.6	92.7	92.7	93.1	93.1	93.4	93.4
IV 300 IV 200	36.0	63.2	69.7	76.9	83.1	85.0	89.3	91.9	92.7	94.9	96.1	96.2	96.8	96.9	97.2	97.2
IV 100 IV 0	36.0	63.2	69.7	77.0	83.3	85.2	89.5	92.2	93.0	95.4	96.8	97.0	97.9	98.1	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

3221

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

YEARS

SEC  
NO.

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥3/8	≥1/2	≥5/16	≥1/4	≥0
NO CEILING ≥ 20000	20.4	31.1	32.5	34.6	35.8	36.0	36.4	36.6	36.6	36.8	36.8	36.8	36.9	36.9	36.9	36.9
IV 18000	23.8	37.1	39.5	41.6	43.0	43.3	43.9	44.1	44.2	44.4	44.4	44.4	44.5	44.5	44.5	44.5
IV 16000	23.0	37.3	39.7	41.8	43.2	43.5	44.1	44.3	44.3	44.5	44.6	44.6	44.7	44.7	44.7	44.7
IV 14000	24.2	38.3	40.8	43.0	44.5	44.8	45.4	45.7	45.7	46.0	46.0	46.0	46.1	46.1	46.1	46.1
IV 12000	23.2	39.7	42.2	44.3	46.2	46.6	47.2	47.4	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 10000	25.8	41.5	44.2	46.8	48.8	49.0	49.6	49.8	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 9000	26.3	42.4	45.1	47.8	49.8	50.1	50.7	51.0	51.0	51.3	51.3	51.3	51.4	51.4	51.4	51.4
IV 8000	27.0	43.9	47.0	49.8	52.0	52.5	53.2	53.4	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 7000	27.6	45.4	48.7	51.8	54.0	54.6	55.3	55.6	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 6000	27.9	46.8	50.0	53.2	55.6	56.2	56.9	57.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	28.4	47.9	51.5	54.9	57.3	58.0	58.8	59.0	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 4500	28.7	48.3	52.2	55.7	58.1	58.8	59.6	59.9	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 4000	29.2	49.3	53.6	57.1	59.7	60.4	61.2	61.6	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 3500	29.8	50.9	54.7	58.3	61.0	61.8	62.6	63.0	63.0	63.5	63.5	63.5	63.6	63.6	63.6	63.6
IV 3000	30.3	52.0	56.0	59.7	62.8	63.5	64.4	64.8	64.9	65.4	65.4	65.4	65.5	65.5	65.5	65.5
IV 2500	31.0	53.4	57.8	61.6	64.8	65.6	66.7	67.1	67.2	67.7	67.8	67.8	67.8	67.8	67.8	67.8
IV 2000	32.1	56.2	61.1	65.2	68.5	69.3	70.6	71.4	71.4	72.0	72.0	72.0	72.1	72.1	72.1	72.1
IV 1800	32.5	57.1	62.1	66.3	69.8	70.6	72.0	72.8	72.9	73.5	73.5	73.5	73.6	73.6	73.6	73.6
IV 1500	33.4	59.5	64.6	69.4	73.3	74.2	75.7	76.6	76.7	77.4	77.4	77.4	77.5	77.5	77.5	77.5
IV 1200	33.9	61.4	67.3	72.1	76.4	77.4	79.1	80.2	80.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6
IV 1000	34.1	62.5	68.6	73.9	78.7	79.8	82.0	83.3	83.5	84.7	84.8	84.8	84.9	84.9	84.9	84.9
IV 900	34.1	62.7	69.0	74.4	79.3	80.5	82.8	84.2	84.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8
IV 800	34.1	62.9	69.5	75.2	80.4	81.7	84.1	85.7	86.1	87.4	87.6	87.6	87.8	87.8	87.8	87.8
IV 700	34.1	63.0	69.8	75.8	81.2	82.6	85.2	87.2	87.6	89.1	89.2	89.3	89.5	89.5	89.5	89.5
IV 600	34.1	63.3	70.2	76.2	81.7	83.3	86.3	88.4	88.9	90.5	90.8	90.9	91.1	91.1	91.1	91.1
IV 500	34.1	63.4	70.2	76.5	82.2	83.8	87.2	89.4	90.0	91.9	92.4	92.5	92.8	92.9	93.0	93.0
IV 400	34.1	63.4	70.3	76.6	82.5	84.2	87.7	90.4	91.2	93.5	94.1	94.2	95.0	95.0	95.1	95.1
IV 300	34.1	63.4	70.3	76.7	82.7	84.4	88.1	90.9	91.6	94.4	95.4	95.5	96.6	96.7	97.0	97.0
IV 200	34.1	63.4	70.3	76.7	82.7	84.4	88.3	91.2	92.1	94.8	96.1	96.2	97.5	97.5	98.1	98.1
IV 100	34.1	63.4	70.3	76.7	82.7	84.4	88.3	91.2	92.1	94.9	96.3	96.3	97.7	97.8	98.6	98.6
IV 0	34.1	63.4	70.3	76.7	82.7	84.4	88.3	91.2	92.1	94.9	96.3	96.3	97.7	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

3254

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14876  
STATION

CHAMPAIGN ILLINOIS/RANTHOL  
STATION NAME

10-70  
YEARS

YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS UT-5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	20.5	22.5	32.2	37.5	39.5	40.0	40.7	40.9	41.0	41.2	41.3	41.3	41.4	41.4	41.4	41.7
IV 20000	22.3	25.5	34.2	42.0	44.3	45.0	45.8	45.1	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.9
IV 18000	22.3	25.5	34.2	42.0	44.3	45.0	45.8	45.1	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.9
IV 16000	22.3	25.5	34.2	42.0	44.3	45.0	45.8	45.1	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.9
IV 14000	22.6	27.0	40.3	43.2	45.8	46.3	47.3	47.5	47.6	47.8	47.8	47.9	48.0	48.0	48.1	48.3
IV 12000	23.2	28.2	41.5	44.4	47.0	47.6	48.7	49.0	49.0	49.3	49.3	49.4	49.5	49.5	49.5	49.8
IV 10000	24.3	29.2	44.1	47.0	49.7	50.4	51.5	51.8	51.8	52.1	52.1	52.2	52.3	52.3	52.3	52.6
IV 9000	24.9	31.0	44.3	47.3	50.7	51.4	52.4	52.7	52.8	53.0	53.1	53.1	53.3	53.3	53.3	53.5
IV 8000	25.7	32.6	46.3	49.8	52.9	53.6	54.7	55.0	55.1	55.3	55.4	55.4	55.6	55.6	55.6	55.8
IV 7000	25.4	32.9	47.3	51.2	54.3	55.1	56.2	56.5	56.6	56.8	56.9	56.9	57.0	57.0	57.1	57.3
IV 6000	25.7	34.7	49.0	52.5	55.7	56.5	57.5	58.0	58.0	58.3	58.4	58.4	58.6	58.6	58.6	58.8
IV 5000	27.6	36.1	50.3	54.1	57.4	58.2	59.4	59.9	59.9	60.2	60.3	60.3	60.4	60.4	60.4	60.7
IV 4500	27.9	36.7	51.2	54.9	58.3	59.1	60.2	60.7	60.7	61.1	61.1	61.1	61.3	61.3	61.3	61.5
IV 4000	28.4	38.0	52.6	56.4	59.9	60.7	61.8	62.3	62.4	62.8	62.8	62.9	63.0	63.0	63.0	63.3
IV 3500	28.8	39.3	53.9	57.9	61.3	62.3	63.6	64.1	64.2	64.6	64.7	64.7	64.8	64.8	64.8	65.1
IV 3000	29.7	40.3	55.3	59.5	63.3	64.2	65.5	66.1	66.2	66.6	66.7	66.7	66.8	66.8	66.9	67.1
IV 2500	30.3	42.0	57.4	61.5	65.4	66.3	67.7	68.5	68.5	68.9	69.0	69.0	69.1	69.1	69.2	69.4
IV 2000	31.3	44.3	60.3	64.7	69.2	70.1	71.4	72.7	72.8	73.3	73.4	73.4	73.5	73.5	73.5	73.8
IV 1800	31.5	45.3	61.4	66.0	70.5	71.4	72.7	74.2	74.3	74.8	74.8	74.9	75.0	75.0	75.0	75.3
IV 1500	32.2	47.0	63.4	68.2	73.0	74.0	76.0	77.2	77.2	77.9	78.0	78.0	78.2	78.2	78.2	78.5
IV 1200	32.7	49.5	66.4	71.6	76.7	77.9	79.1	81.3	81.4	82.1	82.3	82.3	82.5	82.5	82.5	82.8
IV 1000	32.8	50.3	67.6	73.2	78.5	79.8	82.3	83.6	83.7	84.4	84.6	84.7	84.8	84.8	84.9	85.1
IV 900	33.0	51.1	68.4	74.1	79.4	80.7	83.3	84.8	84.9	85.6	85.8	85.9	86.0	86.0	86.1	86.3
IV 800	33.0	51.1	68.4	74.1	79.4	80.7	83.3	84.8	84.9	85.6	85.8	85.9	86.0	86.0	86.1	86.3
IV 700	33.1	51.5	69.3	75.5	81.3	82.8	85.6	87.5	87.6	88.4	88.7	88.8	89.0	89.0	89.1	89.3
IV 600	33.1	51.7	69.7	75.9	81.8	83.4	86.4	88.4	88.6	89.5	90.0	90.1	90.3	90.3	90.4	90.7
IV 500	33.1	51.9	70.1	76.4	82.6	84.2	87.4	89.7	89.9	90.9	91.5	91.6	91.9	91.9	92.0	92.3
IV 400	33.1	51.9	70.2	76.6	83.0	84.7	87.9	90.4	90.7	92.0	92.8	92.9	93.2	93.2	93.4	93.6
IV 300	33.1	52.0	70.2	76.7	83.2	85.0	88.4	91.1	91.5	93.0	94.1	94.3	94.9	94.9	95.2	95.5
IV 200	33.1	52.0	70.2	76.8	83.3	85.2	88.7	91.6	92.0	93.8	95.3	95.3	96.5	96.5	96.9	97.1
IV 1½	33.1	52.0	70.2	76.8	83.3	85.2	88.7	91.6	92.0	93.9	95.5	95.7	97.0	97.2	97.5	97.7
IV 0	33.1	52.0	70.2	76.8	83.3	85.2	88.7	91.6	92.0	93.9	95.5	95.7	97.0	97.2	97.5	97.7

TOTAL NUMBER OF OBSERVATIONS 3243

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLIE AFB ILLINOIS/RAVTLUL  
STATION NAME

36-70  
YEARS

YEAR

CFL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2100  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	20.7	33.4	35.9	38.3	40.9	41.5	42.0	42.4	42.4	42.5	42.6	42.6	42.7	42.7	42.7	43.1
IV 20000	22.2	36.7	39.9	42.7	45.5	46.2	46.8	47.1	47.1	47.3	47.5	47.5	47.5	47.5	47.6	47.9
IV 18000	22.3	36.7	39.9	42.8	45.5	46.2	46.8	47.2	47.2	47.3	47.5	47.5	47.5	47.6	47.6	48.0
IV 16000	22.3	36.8	40.0	42.8	45.6	46.2	46.9	47.3	47.3	47.4	47.6	47.6	47.7	47.7	47.7	48.1
IV 14000	22.8	37.5	40.8	43.7	46.6	47.3	48.0	48.3	48.3	48.4	48.6	48.6	48.7	48.7	48.8	49.1
IV 12000	23.3	38.4	41.7	44.8	47.7	48.4	49.2	49.6	49.6	49.7	49.9	49.9	49.9	49.9	50.0	50.3
IV 10000	24.4	40.0	43.6	46.8	49.7	50.5	51.2	51.6	51.6	51.8	52.0	52.0	52.0	52.0	52.1	52.5
IV 9000	25.0	40.7	44.5	47.8	50.7	51.6	52.3	52.7	52.7	52.8	53.0	53.0	53.1	53.1	53.2	53.5
IV 8000	25.7	42.0	45.0	49.3	52.5	53.4	54.2	54.6	54.6	54.7	54.9	54.9	55.0	55.0	55.1	55.4
IV 7000	26.2	43.2	47.3	50.8	54.2	55.1	55.8	56.2	56.2	56.4	56.6	56.6	56.7	56.7	56.8	57.1
IV 6000	26.6	44.0	48.3	52.0	55.6	56.5	57.3	57.7	57.7	57.9	58.2	58.2	58.3	58.3	58.3	58.7
IV 5000	27.3	45.1	49.6	53.3	56.9	57.9	58.7	59.1	59.1	59.4	59.6	59.6	59.7	59.7	59.8	60.1
IV 4500	27.2	45.6	50.1	54.0	57.8	58.8	59.6	60.0	60.0	60.3	60.5	60.5	60.6	60.7	60.7	61.1
IV 4000	27.8	46.7	51.3	55.4	59.4	60.4	61.2	61.7	61.7	62.0	62.3	62.3	62.4	62.4	62.5	62.8
IV 3500	28.3	47.9	52.6	56.8	60.8	61.8	62.7	63.2	63.2	63.6	63.8	63.8	63.9	64.0	64.0	64.4
IV 3000	29.0	49.4	54.4	58.9	63.0	64.1	65.0	65.5	65.5	66.0	66.3	66.3	66.3	66.4	66.4	66.8
IV 2500	29.8	51.3	56.0	61.3	65.6	66.7	67.7	68.4	68.5	69.0	69.2	69.2	69.3	69.4	69.4	69.8
IV 2000	30.9	53.3	59.1	64.1	69.0	70.2	71.7	72.5	72.6	73.4	73.6	73.6	73.8	73.8	73.9	74.2
IV 1800	31.1	54.0	60.0	65.2	70.4	71.6	73.1	73.9	74.0	74.8	75.1	75.1	75.2	75.2	75.3	75.7
IV 1500	31.9	55.7	61.8	67.3	72.9	74.2	76.1	77.1	77.2	78.2	78.5	78.5	78.7	78.7	78.8	79.2
IV 1200	32.2	57.4	63.6	69.6	75.3	76.8	78.8	79.9	80.0	81.1	81.5	81.5	81.7	81.7	81.8	82.2
IV 1000	32.4	58.2	64.8	70.8	76.7	78.3	80.5	81.7	81.9	82.9	83.4	83.4	83.6	83.6	83.7	84.1
IV 900	32.4	58.4	65.2	71.3	77.3	78.9	81.2	82.4	82.6	83.7	84.2	84.2	84.3	84.4	84.5	84.9
IV 800	32.6	58.7	65.7	72.0	78.1	79.7	82.3	83.6	83.7	84.9	85.4	85.4	85.6	85.6	85.7	86.1
IV 700	32.6	58.9	66.0	72.5	78.7	80.3	83.0	84.3	84.6	85.8	86.3	86.3	86.5	86.5	86.6	87.0
IV 600	32.7	59.2	66.5	73.0	79.5	81.2	84.2	85.9	86.2	87.4	87.9	87.9	88.2	88.2	88.3	88.7
IV 500	32.8	59.4	66.9	73.6	80.3	82.1	85.3	87.3	87.6	89.0	89.6	89.6	90.0	90.0	90.1	90.5
IV 400	32.8	59.4	66.9	73.9	80.7	82.8	86.2	88.6	88.8	90.7	91.6	91.6	92.1	92.1	92.2	92.7
IV 300	32.8	59.5	66.9	74.0	81.0	83.2	86.8	89.3	89.5	91.9	93.2	93.2	93.8	93.8	94.1	94.5
IV 200	32.8	59.5	66.9	74.0	81.0	83.3	87.1	89.7	90.0	92.8	94.5	94.7	95.5	95.5	96.0	96.5
IV 100	32.8	59.5	66.9	74.0	81.0	83.3	87.2	89.8	90.1	93.1	94.9	95.1	96.3	96.6	97.2	97.9
IV 0	32.8	59.5	66.9	74.0	81.0	83.3	87.2	89.8	90.1	93.1	94.9	95.2	96.4	96.8	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3224

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

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

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

14806 CHANUTE AFB ILLINOIS/RANTOUL

46-70

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	20.2	3.4	4.0	3.4	2.6	1.7	2.7	3.1	4.3	3.4	51.3	6.6	17202
FEB		22.7	3.8	3.7	3.6	2.9	2.2	3.1	3.5	4.6	3.2	46.6	6.2	15670
MAR		19.2	3.4	4.0	3.4	3.1	2.5	2.8	3.9	5.2	3.7	48.7	6.5	17191
APR		19.2	3.2	4.0	3.7	3.4	2.9	3.3	4.6	6.3	4.6	44.8	6.4	16569
MAY		20.3	4.4	4.8	4.8	4.3	3.5	4.1	5.4	7.2	5.0	36.3	5.9	16976
JUN		17.8	5.1	5.6	5.8	5.2	4.4	4.8	6.4	8.5	5.9	30.4	5.8	16429
JUL		21.2	6.5	7.1	6.9	6.0	5.2	4.9	6.4	8.2	5.4	22.4	5.0	16975
AUG		27.8	6.7	6.8	6.1	5.9	4.5	4.3	5.7	6.9	4.8	20.5	4.5	16969
SEP		34.6	5.6	5.6	4.7	4.2	3.5	3.8	4.4	5.9	4.6	23.1	4.4	16383
OCT		36.2	5.2	4.8	4.4	3.7	2.8	3.1	3.9	5.2	3.6	27.1	4.5	16957
NOV		23.9	4.2	4.4	3.6	3.1	2.2	3.0	3.8	5.3	4.1	42.6	6.0	16415
DEC		22.1	3.2	3.5	3.0	2.5	2.0	2.4	3.1	4.1	3.2	50.9	6.5	16926
TOTALS		23.8	4.6	4.9	4.5	3.9	3.1	3.5	4.5	6.0	4.3	37.1	5.7	200662

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

14806 CHANUTE AFB ILLINOIS/RANTOUL  
STATION STATION NAME

46-70  
PERIOD

JAN  
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	
		n	1	2	3	4	5	6	7	8	9			10
JAN	00-02	30.4	2.4	2.9	2.9	1.7	.9	1.8	2.1	3.0	1.5	50.3	5.9	1705
	03-05	27.7	2.0	3.5	3.1	3.2	1.3	1.9	2.4	2.9	1.1	51.1	6.1	1674
	05-08	17.2	4.4	5.0	3.1	2.2	1.8	3.2	3.4	5.4	3.5	50.7	6.7	2201
	09-11	12.9	4.3	3.7	3.7	3.2	2.6	3.1	4.2	4.6	5.2	52.5	7.0	2325
	12-14	12.4	3.7	3.5	3.1	2.9	2.1	3.7	4.7	5.9	5.5	52.5	7.2	2324
	15-17	12.1	4.0	4.6	3.5	2.2	1.9	3.3	3.2	6.3	5.6	53.3	7.2	2324
	18-20	20.4	3.1	4.7	4.3	3.0	1.9	2.9	3.1	3.2	2.7	50.9	6.4	2324
	21-23	28.2	3.4	3.9	3.2	2.2	1.3	1.7	1.8	3.4	1.8	48.9	5.9	2325
TOTALS		20.2	3.4	4.0	3.4	2.6	1.7	2.7	3.1	4.3	3.4	51.3	6.6	17202

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

14806

CHANUTE AFB ILLINOIS/RANTOUL

46-70

FEB

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		
FEB	00-02	31.4	2.1	2.8	3.2	2.4	2.0	2.5	2.3	2.6	1.3	47.5	5.7	1553
	03-05	28.7	1.8	3.9	3.1	3.1	1.5	2.6	2.6	2.6	1.2	48.9	5.9	1524
	06-08	19.5	4.4	3.9	4.3	3.0	1.7	3.3	3.4	5.4	3.7	47.3	6.4	2003
	09-11	17.3	3.6	4.0	3.4	3.1	2.9	3.3	4.4	6.2	4.5	47.2	6.6	2118
	12-14	15.1	3.9	3.8	3.7	3.2	3.4	3.8	5.1	5.9	4.6	47.5	6.7	2118
	15-17	13.9	6.6	3.3	4.1	2.8	2.4	3.6	4.3	5.6	4.7	46.6	6.7	2118
	18-20	22.3	5.6	4.2	3.9	3.1	2.1	3.3	3.9	4.7	3.5	43.5	6.0	2118
	21-23	33.1	2.7	4.0	3.4	2.2	1.7	2.6	2.0	3.6	2.0	42.5	5.4	2118
TOTALS		22.7	3.8	3.7	3.6	2.9	2.2	3.1	3.5	4.6	3.2	46.6	6.2	15670



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

14806

CHANUTE AFB ILLINOIS/RANTOUL

46-70

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
APR	00-02	35.0	2.5	4.0	3.0	2.7	1.9	2.3	2.7	3.7	1.7	40.2	5.2	1608
	03-05	27.2	3.0	4.3	4.5	2.9	2.5	3.2	3.5	5.5	2.5	40.9	5.7	1614
	06-08	17.1	3.9	4.4	3.7	3.7	2.0	2.8	3.9	6.4	6.2	46.1	6.6	2134
	09-11	12.5	3.1	4.2	3.4	3.4	3.3	3.5	5.6	7.2	5.9	47.8	7.0	2250
	12-14	9.1	3.2	2.9	3.1	3.4	3.8	4.2	6.5	8.8	7.0	48.0	7.4	2249
	15-17	8.8	3.1	3.2	4.1	3.8	3.5	3.8	5.6	7.8	7.5	48.7	7.3	2247
	18-20	15.7	3.8	4.8	3.8	3.7	3.6	3.7	5.4	6.0	3.9	45.5	6.6	2250
	21-23	28.4	2.9	4.5	4.2	3.3	2.7	2.8	3.6	4.6	2.2	40.9	5.6	2217
TOTALS		19.2	3.2	4.0	3.7	3.4	2.9	3.3	4.6	6.3	4.6	44.8	6.4	16569

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

14806 CHANUTE AFB ILLINOIS/RANTOUL

46-70

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
MAY	00-02	35.4	3.6	5.6	4.6	3.4	1.6	3.2	2.9	4.7	2.7	32.3	4.7	1577
	03-05	23.7	5.8	5.0	4.7	4.6	3.6	3.8	5.4	6.5	3.0	33.9	5.4	1673
	06-08	18.5	5.7	4.4	4.7	3.6	3.3	3.2	5.6	6.6	5.0	39.4	6.1	2323
	09-11	15.6	4.0	4.1	4.1	4.1	3.0	4.0	5.7	9.2	6.1	40.2	6.5	2323
	12-14	10.6	3.2	3.6	4.9	4.3	4.8	5.2	6.6	9.4	7.4	39.9	6.9	2324
	15-17	9.5	4.5	4.4	5.5	5.0	5.5	4.1	6.5	9.0	7.7	38.4	6.7	2325
	18-20	15.9	5.1	6.1	5.3	4.5	3.1	4.9	5.9	7.0	5.2	37.0	6.1	2324
	21-23	33.0	3.5	4.8	4.8	4.6	2.8	4.5	4.7	5.1	3.1	29.0	4.8	2107
TOTALS		20.3	4.4	4.8	4.8	4.3	3.5	4.1	5.4	7.2	5.0	36.3	5.9	16976

USAFETAC

FORM  
 JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

14806

CHANUTE AFB ILLINOIS/RANTOUL

46-70

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	40.2	2.4	5.0	5.4	3.8	2.4	4.3	3.5	5.2	3.6	24.3	4.2	1530
	03-05	18.9	6.3	6.9	6.9	4.9	3.5	4.1	5.9	8.4	5.8	28.6	5.5	1620
	06-08	17.1	6.3	4.9	5.1	3.9	3.4	4.4	6.2	7.2	5.6	35.9	6.0	2250
	09-11	10.7	5.0	4.6	6.2	5.9	5.2	5.3	7.6	9.0	6.7	33.7	6.4	2248
	12-14	5.0	3.6	4.2	5.0	7.0	7.7	4.8	8.3	12.0	8.2	33.2	6.8	2250
	15-17	6.1	5.1	4.5	6.3	6.7	6.0	5.8	8.0	11.4	7.6	32.4	6.6	2249
	18-20	12.1	6.3	7.7	5.8	5.0	4.4	5.4	7.2	9.5	6.5	30.0	6.0	2246
	21-23	31.2	6.0	7.2	5.7	4.7	2.9	4.0	4.7	4.9	3.3	25.2	4.5	2036
TOTALS		17.8	5.1	5.6	5.8	5.2	4.4	4.8	6.4	8.5	5.9	30.4	5.8	16429

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

14806 CHANUTE AFB ILLINOIS/RANDOLPH 46-70 JUL  
 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		
JUL	00-02	45.4	5.2	5.8	5.4	4.6	2.6	2.8	3.3	4.0	2.4	18.5	3.4	1581
	03-05	25.9	8.2	8.8	7.2	4.2	3.5	4.2	5.3	6.3	3.3	23.0	4.5	1673
	06-08	20.6	5.7	7.9	6.6	4.8	3.2	3.9	5.2	7.6	5.8	28.8	5.4	2325
	09-11	12.0	7.3	6.3	6.2	6.0	5.6	5.6	7.3	9.1	7.5	27.1	5.9	2323
	12-14	5.0	4.7	4.3	6.2	8.1	9.0	8.2	9.4	12.7	8.2	24.3	6.4	2323
	15-17	7.3	5.4	6.4	8.0	9.3	8.1	5.6	8.8	12.2	7.6	21.2	5.9	2323
	18-20	16.6	8.0	9.0	7.8	6.5	5.3	4.8	7.7	8.7	5.4	20.0	5.0	2223
	21-23	36.4	7.1	7.9	7.5	4.8	3.9	4.3	4.5	4.6	2.8	16.3	3.7	2104
TOTALS		21.2	6.5	7.1	6.9	6.0	5.2	4.9	6.4	8.2	5.4	22.4	5.0	16975

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

14806

CHANUTE AFB ILLINOIS/RANTOUL

46-70

AUG

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		
AUG	00-02	52.3	4.0	4.4	5.2	4.0	2.0	3.1	3.4	3.7	1.8	16.1	3.0	1581
	03-05	35.2	7.9	7.9	5.3	5.0	2.5	3.7	4.7	4.9	2.9	20.0	3.9	1671
	06-08	25.1	5.8	7.4	5.5	4.8	3.8	4.0	5.3	6.6	4.1	26.7	4.9	2322
	09-11	20.5	7.1	5.6	5.6	4.7	5.2	4.9	6.1	9.9	5.6	24.7	5.3	2322
	12-14	9.8	4.9	6.5	6.3	8.4	9.0	6.2	9.2	9.6	8.0	22.2	5.9	2323
	15-17	10.8	7.5	8.4	8.1	9.3	6.2	4.9	7.7	10.0	7.3	19.7	5.4	2324
	18-20	23.5	8.4	7.4	7.6	6.9	5.2	4.4	5.5	6.9	5.4	18.7	4.6	2325
	21-23	45.4	6.9	6.7	5.2	4.3	2.4	3.4	3.3	3.8	3.1	15.6	3.2	2101
TOTALS		27.8	6.7	6.8	6.1	5.9	4.5	4.3	5.7	6.9	4.8	20.5	4.5	16969

3  
 DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

14806 CHANUTE AFB ILLINOIS/RANTOUL

46-70

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	53.9	3.0	4.8	3.1	2.7	1.6	2.9	2.4	2.7	2.2	20.7	3.2	1578
	03-05	43.7	6.2	4.8	3.4	3.3	2.9	3.1	3.1	5.6	3.3	20.7	3.8	1652
	06-08	28.2	6.8	5.2	4.1	3.3	3.1	3.7	4.7	7.4	6.1	27.4	3.0	2249
	09-11	26.4	6.3	5.5	5.4	4.0	4.8	3.3	5.1	7.6	6.1	25.0	5.0	2248
	12-14	20.1	5.4	5.8	5.2	5.6	6.2	6.3	6.8	7.8	6.9	23.8	5.3	2249
	15-17	23.0	5.8	6.4	6.8	6.9	4.9	4.4	5.0	6.8	6.8	23.2	5.0	2246
	18-20	33.7	6.4	7.4	5.4	4.9	2.8	3.6	4.8	5.3	3.6	22.3	4.2	2181
	21-23	48.0	4.5	4.9	4.1	3.2	1.8	3.3	3.6	4.0	1.8	20.7	3.5	1980
TOTALS		34.6	5.6	5.6	4.7	4.2	3.5	3.8	4.4	5.9	4.6	23.1	4.4	16383

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

14806  
 STATION

CHANUTE AFB ILLINOIS/RANTOUL  
 STATION NAME

46-70  
 PERIOD

OCT  
 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	52.3	2.9	4.2	2.7	2.6	1.9	2.9	2.2	3.3	1.4	23.6	3.5	1657
	03-05	46.3	4.2	4.3	4.2	3.6	2.6	2.3	2.9	4.2	2.6	22.8	3.7	1709
	06-08	30.4	5.8	5.0	4.5	3.4	2.6	2.6	4.8	7.2	5.2	28.4	4.9	2299
	09-11	29.1	5.7	4.8	3.8	3.5	3.1	2.9	4.8	6.5	4.9	30.9	5.1	2324
	12-14	24.4	5.5	4.8	4.9	4.1	3.5	4.0	6.0	6.6	5.3	31.0	5.4	2324
	15-17	23.3	6.8	5.9	6.2	5.3	3.9	3.7	5.2	6.2	5.2	28.4	5.2	2323
	18-20	36.4	6.7	5.2	5.6	4.1	2.7	3.1	2.7	4.4	2.5	26.8	4.3	2252
	21-23	47.7	4.3	4.4	3.3	3.0	1.8	2.9	2.8	3.2	1.7	24.9	3.7	2069
TOTALS		36.2	5.2	4.8	4.4	3.7	2.8	3.1	3.9	5.2	3.6	27.1	4.5	16957

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

46-70  
PERIOD

NOV  
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		
NOV	00-02	34.2	2.3	3.3	3.7	3.0	2.1	2.0	2.3	3.5	1.6	41.6	5.3	1560
	03-05	35.8	3.1	4.8	2.9	2.4	1.5	2.4	2.2	3.5	1.8	39.7	5.1	1523
	06-08	18.7	5.7	5.1	3.5	2.8	2.6	2.7	4.2	6.0	6.5	42.2	6.3	2100
	09-11	16.9	5.3	4.1	3.5	2.5	2.7	3.2	4.5	7.3	5.6	44.5	6.5	2247
	12-14	13.3	5.6	4.4	3.7	3.6	2.0	3.8	5.4	7.1	6.4	44.5	6.7	2250
	15-17	14.4	5.1	4.0	3.2	2.9	2.6	5.5	7.4	5.4	44.7	6.6	2246	
	18-20	26.2	4.1	4.9	3.8	4.0	1.8	3.3	3.8	4.1	2.7	41.2	5.7	2244
	21-23	31.4	2.7	3.6	3.3	2.8	2.1	3.9	2.4	3.2	2.4	42.1	5.5	2245
TOTALS		23.9	4.2	4.4	3.6	3.1	2.2	3.0	3.8	5.3	4.1	42.6	6.0	16415

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

14806

CHANUTE AFB ILLINOIS/RANDOL

46-70

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	34.0	1.9	3.0	2.7	2.8	1.2	1.8	2.1	2.5	1.7	46.2	5.6	1608
	03-05	33.9	1.5	3.0	2.0	2.2	1.0	2.0	2.6	3.6	2.0	46.2	5.7	1578
	06-08	18.3	4.3	4.0	3.3	2.6	1.9	2.8	3.0	4.5	4.2	50.4	6.0	2167
	09-11	14.9	4.2	3.4	3.1	2.1	3.0	2.5	3.4	5.4	4.5	53.5	7.0	2321
	12-14	12.4	4.1	3.6	3.6	2.0	2.8	2.8	4.1	5.1	5.0	53.9	7.2	2319
	15-17	13.4	4.4	3.7	3.5	2.0	2.2	2.8	3.9	5.3	3.8	54.1	7.1	2325
	18-20	22.3	3.0	3.4	3.2	2.4	1.9	2.5	2.6	3.8	2.4	52.5	6.5	2315
	21-23	27.8	2.4	3.1	2.6	2.3	1.5	2.1	2.7	2.8	1.8	50.7	6.1	2293
	TOTALS	22.1	3.2	3.5	3.0	2.5	2.0	2.4	3.1	4.1	3.1	51.9	6.5	16926

DATA COLLECTION DIVISION  
FEDERAL BUREAU OF INVESTIGATION  
FIVE FIVE AVENUE (MAC)  
ASHEVILLE, NORTH CAROLINA

## 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 presentation 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 deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
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 all 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 vertically. Also provided for each dry-bulb temperature interval 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 require two pages in some cases.

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 form. These consist of the sum of squares ( $\sum X^2$ ), sum of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computations 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 tabulations 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 available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. 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.

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC  
 16806 CHANUTE AFB ILLINOIS/RANTOUL  
 STATION STATION NAME

DAILY TEMPERATURES

36-63

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
105							.1						.0
100						.8	6.1						.2
95						4.2	7.7	5.6					1.6
90					3.5	20.5	27.2	23.6	2.5				7.0
85					9.9	12.5	41.9	57.7	51.0	26.5			16.1
80				.5	6.6	26.8	61.8	85.6	77.7	45.9	14.1		26.3
75			1.8	15.3	44.4	80.4	96.3	93.8	65.3	28.0	1.2		35.3
70			5.9	28.4	60.0	91.0	99.0	98.8	80.1	45.1	4.8	.1	42.5
65	.4	.8	11.1	39.3	79.0	97.4	99.9	99.9	91.8	60.9	9.9	.5	49.0
60	1.4	3.4	20.0	54.5	89.2	99.2	100.0	100.0	96.9	75.6	20.5	3.0	53.2
55	3.7	7.3	29.0	68.8	94.3	99.9			99.9	86.5	31.5	9.0	60.6
50	9.0	13.5	40.4	82.1	98.6	100.0			99.8	93.7	46.4	15.3	66.5
45	16.8	24.3	54.6	91.5	99.4				100.0	97.6	62.1	22.9	72.4
40	27.2	37.9	69.4	96.8	100.0					99.3	75.7	37.4	78.6
35	44.6	58.5	84.3	99.9						100.0	86.5	57.2	83.9
30	67.5	79.9	93.1	100.0							94.4	77.2	92.6
25	78.9	89.6	97.1								98.8	87.6	96.0
20	87.0	94.0	99.3								99.9	93.4	97.8
15	93.1	97.0	99.6								99.8	98.0	98.9
10	97.5	99.1	100.0								99.9	99.3	99.6
5	99.2	99.9									100.0	100.0	99.9
0	100.0	100.0											100.0
MEAN	33.3	37.3	47.3	61.1	72.4	81.9	85.7	84.5	77.9	67.2	48.6	36.9	61.2
S D	11.705	11.129	13.061	11.987	10.254	5.486	6.083	6.458	9.496	11.008	12.120	11.383	21.604
TOTAL OBS	837	762	837	804	806	780	806	806	826	861	810	837	9772

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-63 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
75						1.5	3.1	1.5	2.1				5
70					1.4	11.4	19.9	15.9	4.1				4.2
65				1.1	5.8	37.3	55.6	46.9	16.7	1.4			13.5
60				2.9	17.2	61.7	83.7	75.4	33.2	5.9			23.1
55		.1	.5	8.7	33.6	82.4	96.4	92.9	50.6	15.2	1.5		31.5
50			2.6	17.0	57.1	95.3	99.9	99.4	71.4	30.4	4.4		39.6
45	.6	.3	6.2	30.8	76.6	99.1	100.0	99.9	88.9	51.7	10.1	1.8	46.9
40	1.7	1.8	15.2	50.0	91.9	99.9		100.0	97.2	72.0	19.4	3.7	54.2
35	4.1	6.8	27.2	71.1	98.1	100.0			99.5	88.3	33.3	10.4	81.2
33	7.4	11.8	36.8	81.5	99.6				99.9	91.9	42.3	15.4	85.4
30	17.4	27.0	51.1	92.4	100.0					96.4	57.5	28.0	72.4
25	35.2	48.3	73.3	96.3					100.0	99.5	78.6	46.0	81.7
20	53.4	64.4	87.8	100.0						99.9	89.6	64.0	88.2
15	65.6	75.6	93.2							100.0	95.2	76.8	92.2
10	73.6	86.2	97.0								97.9	84.7	95.1
5	84.6	91.7	98.4								99.3	90.9	97.1
0	91.4	96.5	99.4								99.6	95.9	98.6
-5	97.0	98.3	99.7								100.0	98.9	99.5
-10	99.0	99.6	100.0									99.8	99.9
-15	100.0	100.0										100.0	100.0
MEAN	18.2	21.8	29.6	40.6	51.0	61.3	64.9	63.6	55.1	45.0	31.3	22.1	42.0
S D	11.84	10.77	9.845	8.912	8.251	6.955	5.440	5.772	8.652	8.894	9.991	11.399	10.800
TOTAL OBS	837	762	837	804	806	780	806	806	826	861	810	837	9772

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC  
 14806 CHANUTE AFB ILLINOIS/RANTUUL  
 STATION STATION NAME

### DAILY TEMPERATURES

36-63

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
90						1.1							1.0
85						1.8	4.2	1.9					7.7
80					1.2	15.5	21.1	17.7	3.4				5.0
75				.1	7.4	37.4	57.7	49.4	19.6				14.2
70				2.9	19.7	63.5	86.2	78.9	37.9	6.9			24.4
65			.6	10.7	30.2	82.6	98.0	95.3	59.3	20.0			33.5
60		.1	3.2	21.9	60.2	94.9	100.0	99.8	78.9	38.9	4.0		41.5
55		.4	3.0	35.9	79.7	99.4		100.0	91.6	56.8	8.6		48.2
50	1.0	2.4	17.0	51.9	91.1	99.9			97.6	76.1	16.8	2.7	54.5
45	3.3	5.4	27.2	71.9	97.9	100.0			99.6	89.2	32.6	8.4	61.2
40	9.0	13.1	43.7	88.6	99.6				100.0	95.6	51.1	17.7	68.3
35	22.0	32.0	63.9	97.1	100.0					99.4	76.7	30.9	76.3
30	42.2	55.1	81.6	99.5						99.9	84.8	52.7	84.6
25	60.1	71.4	91.2	100.0						100.0	92.6	70.5	90.5
20	73.0	84.8	96.4								97.5	83.3	94.6
15	82.4	91.9	98.2								99.4	90.3	96.8
10	89.6	95.1	99.4								99.9	95.5	98.3
5	95.7	98.3	100.0									98.3	99.3
0	98.4	99.3										100.0	99.8
-5	99.9	100.0											100.0
-10	100.0												100.0
MEAN	25.8	29.6	38.6	50.9	61.8	71.7	75.3	74.1	66.6	56.2	46.0	29.6	51.7
S D	11.254	10.324	10.870	9.817	8.650	7.212	5.206	5.587	6.393	9.186	10.442	10.824	19.911
TOTAL OBS	837	762	837	804	806	787	806	806	826	861	810	837	9772

USAFETAC FORM 17-64 0 21 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING SYSTEM  
 USAF ETAC  
 AF TAFE I VICI/ AC

**EXTREME VALUES**

ANNUAL TIME PERIOD  
 (FROM DAILY OBSERVATIONS)

1900  
 STATION

STATION NAME

30-63

YEARS

PRECIPITATION

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1900													
1901	24	50	65	41	90	94	95	90	21	21	20	21	20
1902	18	67	76	91	74	94	95	90	19	80	76	64	29
1903	19	53	62	79	27	91	91	71	75	21	41	57	24
1904	17	63	71	87	27	92	99	97	93	61	70	57	27
1905	12	55	64	83	23	91	78	98	91	50	72	22	23
1906	17	93	74	89	94	96	70	90	92	63	74	27	26
1907	14	64	77	77	80	96	85	90	90	51	54	52	25
1908	12	80	70	77	91	99	76	70	91	71	75	41	29
1909	13	58	60	79	70	91	90	97	92	71	75	24	24
1910	17	50	72	79	22	95	100	72	91	31	16	51	107
1911	17	52	62	72	70	93	96	100	93	24	19	22	100
1912	13	54	73	82	77	72	76	93	93	61	71	71	20
1913	14	44	71	74	90	92	77	93	87	81	74	24	20
1914	14	44	71	77	91	92	71	90	82	97	10	61	27
1915	18	62	72	82	94	94	91	95	88	90	62	62	22
1916	18	58	67	66	80	93	100	100	92	72	73	49	100
1917	15	50	57	74	74	91	90	98	101	82	72	52	124
1918	15	55	64	64	84	92	101	109	94	100	69	53	119
1919	17	57	72	84	69	92	97	90	97	80	72	20	27
1920	17	57	64	73	80	91	94	97	95	86	72	65	27
1921	15	65	70	80	62	90	93	92	88	70	62	56	23
1922	18	64	64	81	90	90	89	93	99	61	75	61	26
1923	21	61	60	71	80	64	90	94	92	74	23	66	20
1924	16	61	41	70	73	74	92	90	92	90	79	71	10
1925	12	62	66	72	72	85	92	93	94	39	79	50	24
1926	10	63	54	70	84	88	94	92	74	89	62	61	24
1927	10	51	62	62									
MEAN	24.4	28.1	71.9	71.1	88.2	94.6	90.0	74.6	92.2	79.1	72.7	62.5	71.2
S D	7.105	7.293	2.170	4.064	1.459	3.312	2.944	2.641	3.610	6.050	5.197	2.959	3.466
TOTAL OBS	237	762	837	780	896	780	800	806	817	82	411	827	5719

3

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR FORT BRAGG/AC

**EXTREME VALUES**

MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

14609  
 STATION

LOWELL AIR ILLINOIS/KONTIUL  
 STATION NAME

20-63

YEARS

WIDE DEGREES FAHRENHEIT  
 (BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
				92					84	84			MAX TEMP DAYS
				24					10	24			
MEAN													
S D													
TOTAL OBS													

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR HEADQUARTERS SERVICE/AC

**EXTREME VALUES**

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

14664 STATION      CHARLOTTE AFB ILLINOIS/KANLEUL      30-63      YEARS

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1									43	2	10	4	
2	3	2	10	31	42	40	20	24	39	20	6	2	2
3	1	17	29	26	33	52	61	59	40	32	10	6	1
4	1	4	12	21	34	49	34	52	40	27	23	-4	-6
5	-14	0	10	21	33	45	48	50	36	32	10	2	-14
6	6	1	7	35	41	55	59	24	40	34	19	15	1
7	-9	4	22	31	37	46	57	48	26	21	19	-4	-4
8	-5	-2	-7	25	34	45	24	34	31	21	20	-1	-7
9	5	-10	19	23	32	45	52	51	44	33	10	-6	-10
10	-4	-4	24	21	33	30	52	51	44	31	16	-10	-10
11	3	-4	20	29	30	42	57	49	40	17	20	1	-4
12	2	1	12	32	34	43	51	52	37	42	4	12	1
13	-4	0	1	32	41	51	59	53	46	25	24	1	-4
14	-2	7	12	24	37	40	54	34	28	31	19	1	-2
15	4	-3	2	20	40	47	32	47	40	30	-5	-4	-6
16	-7	-11	12	36	40	43	54	52	32	22	12	-11	-11
17	1	20	10	24	41	51	56	52	42	24	14	14	1
18	2	6	17	24	29	53	56	59	37	34	20	1	1
19	-3	11	7	23	32	49	59	54	45	24	23	15	-3
20	-4	-9	7	30	41	48	63	56	42	22	7	1	-9
21	2	11	16	20	39	43	59	50	36	37	12	12	2
22	-8	11	12	23	33	46	59	59	39	24	14	4	-8
23	6	-10	20	30	39	47	50	42	39	31	2	-10	-10
24	-14	0	19	27	35	46	50	57	40	20	3	13	-14
25	0	-1	-9	22	32	50	59	56	44	27	10	-12	-12
26	-4	2	24	22	35	46	54	55	39	20	20	-4	-4
27	-10	-1	1	27	43	50	52	50	36	22	22	-8	-10
28	-12	-12	6										
MEAN	-2.6	9	12.2	27.1	30.9	47.3	54.8	52.2	39.8	29.2	14.4	1.7	-5.5
S D	0.77	7.91	8.17	4.04	3.55	3.74	2.97	3.33	3.89	2.02	7.25	0.74	5.54
TOTAL OBS	637	772	837	780	806	780	806	806	810	837	810	837	9718

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FIGHTER SERVICE/AC

**EXTREME VALUES**

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

14844 STATION  
SIGNALS AFB, ILLINOIS/RANDOLPH STATION NAME  
1966 YEARS

31.0 DEGREES FAH  
BASED ON LESS THAN FULL MONTH

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
				27					40	41			HI - TROP DAYS
				24					19	24			
MEAN													
S D													
TOTAL OBS													

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

ALL MONTH

PAGE 1

ALL 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	19-21	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
110/109																.0	.0	2	2																		
108/107																.0	.0	6	6																		
106/105															.0	.0	4	4																			
104/103													.0	.0	.0	.0	29	29																			
102/101										.0	.0	.0	.0	.0	.0	.0	39	39																			
100/99								.0	.0	.0	.0	.0	.0	.0	.0	.0	90	90																			
98/97									.0	.0	.0	.0	.0	.0	.0	.0	179	179																			
96/95								.0	.0	.0	.0	.0	.0	.0	.0	.0	431	431																			
94/93						.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	765	765																			
92/91					.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	1329	1329																			
90/89				.0	.0	.0	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	2281	2281																			
88/87				.0	.0	.1	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	3037	3037																			
86/85		.0	.0	.0	.1	.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	4113	4113																			
84/83		.0	.0	.1	.2	.3	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	4818	4818	14																		
82/81		.0	.0	.1	.3	.3	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	5597	5599	104	11																	
80/79	.0	.0	.1	.3	.3	.4	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	6792	6792	677	44																	
78/77	.0	.1	.3	.4	.4	.3	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	7349	7349	2065	270																	
76/75	.0	.2	.5	.5	.4	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	8404	8464	4483	983																	
74/73	.0	.4	.6	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	8866	8866	6642	2855																	
72/71	.1	.7	.6	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	9571	9572	6087	5566																	
70/69	.1	.6	.7	.6	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	10532	10532	11428	8252																	
68/67	.1	.8	.8	.5	.4	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	10133	10133	11521	9377																	
66/65	.1	.7	.8	.6	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	9662	9663	12181	9618																	
64/63	.1	.7	.8	.5	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	8911	8911	11468	9890																	
62/61	.1	.8	.6	.5	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	8297	8297	11187	10089																	
60/59	.1	.8	.6	.5	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	8617	8619	11515	10521																	
58/57	.1	.7	.6	.5	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	7914	7914	10282	10523																	
56/55	.1	.8	.6	.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7913	7913	9814	10209																	
54/53	.1	.7	.6	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7326	7327	9501	9319																	
52/51	.2	.7	.6	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7035	7037	8887	9334																	
50/49	.2	.7	.7	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7465	7467	8669	8859																	
48/47	.2	.7	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7040	7042	8366	8475																	
46/45	.2	.8	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7447	7448	8521	8616																	
44/43	.2	.8	.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7135	7135	8368	8657																	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature										Total																				
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 ALL  
STATION STATION NAME YEARS MONTH

PAGE 2 ALL  
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															
42/41	.2	.8	.8	.5	.2	.0	.0											7275	7275	8194	8972															
40/39	.3	.9	1.0	.4	.1	.0	.0											7893	7894	8470	9249															
38/37	.3	1.1	.7	.4	.1	.0	.0											8192	8193	8757	8476															
36/35	.4	1.7	1.1	.3	.0	.0	.0											9964	9964	9734	9343															
34/33	.5	2.0	1.0	.2	.0	.0	.0											10508	10512	10831	10079															
32/31	.6	2.0	.9	.2	.0	.0	.0											10241	10243	12178	12127															
30/29	.4	1.9	.8	.1	.0	.0	.0											9058	9060	10226	11804															
28/27	.3	1.6	.5	.0	.0	.0	.0											7209	7218	9809	8391															
26/25	.3	1.4	.4	.0	.0	.0	.0											6083	6088	7597	10239															
24/23	.3	1.2	.3	.0	.0	.0	.0											4828	4833	6093	8995															
22/21	.2	1.1	.2	.0	.0	.0	.0											4045	4049	4751	7588															
20/19	.2	.9	.1	.0	.0	.0	.0											3525	3533	4360	4770															
18/17	.2	.7	.1	.0	.0	.0	.0											2603	2613	3272	3525															
16/15	.2	.6	.1	.0	.0	.0	.0											2281	2283	2521	4612															
14/13	.1	.5	.0	.0	.0	.0	.0											1085	1888	2262	3772															
12/11	.1	.5	.0	.0	.0	.0	.0											1729	1734	1853	2964															
10/9	.2	.4	.0	.0	.0	.0	.0											1511	1513	1782	2182															
8/7	.1	.3	.0	.0	.0	.0	.0											1173	1185	1335	2322															
6/5	.1	.2	.0	.0	.0	.0	.0											945	953	1116	1983															
4/3	.1	.2	.0	.0	.0	.0	.0											813	821	889	1613															
2/1	.1	.1	.0	.0	.0	.0	.0											675	678	733	1470															
0/-1	.1	.1	.0	.0	.0	.0	.0											499	502	584	1193															
-2/-3	.1	.1	.0	.0	.0	.0	.0											352	352	385	691															
-4/-5	.0	.0	.0	.0	.0	.0	.0											224	230	268	908															
-6/-7	.0	.0	.0	.0	.0	.0	.0											130	133	145	647															
-8/-9	.0	.0	.0	.0	.0	.0	.0											93	97	103	498															
-10/-11	.0	.0	.0	.0	.0	.0	.0											77	77	84	329															
-12/-13	.0	.0	.0	.0	.0	.0	.0											41	41	44	264															
-14/-15	.0	.0	.0	.0	.0	.0	.0											4	4	14	175															
-16/-17																					159															
-18/-19																					118															
-20/-21																					78															
-22/-23																					81															
-24/-25																					29															
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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																																				

USAF/ETAC FORM 04 0-26 5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 ALL  
STATION STATION NAME YEARS MONTH

PAGE 3 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															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
-26/-27																					19
-28/-29																					10
-30/-31																					6
-32/-33																					2
-34/-35																					5
-36/-37																					5
-38/-39																					1
-40/-41																					4
-48/-49																					1
TOTAL	7.6	32.2	19.8	11.6	7.8	5.9	4.7	3.8	2.9	1.9	1.1	.5	.2	.1	.0	.0	.0	283109		282982	
																		283170		282966	
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.	1546612967	20295019		71.7	17.907	282911		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 70 F$	$\leq 80 F$	$\leq 93 F$	Total							
Dry Bulb	886101081	14670661		51.8	21.085	283109		44.5	1856.3	2622.2	1681.1	815.0	48.0	8760							
Wet Bulb	710124833	13214879		46.7	18.130	282986		50.3	2237.3	1427.4	433.7	10.3		8760							
Dew Point	598177543	11861907		41.9	12.888	282982		161.7	2952.6	848.6	129.1	.8		8760							

USAFETAC FORM 0 26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/MANTOUL STATION NAME 37-70 YEARS JAN MONTH

PAGE 2 ALL 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
0/-1	.6	.5																258	259	280	527
-2/-3	.4	.4																198	198	219	303
-4/-5	.2	.3																135	136	150	390
-6/-7	.2	.2																74	74	85	250
-8/-9	.1	.1																59	57	57	219
-10/-11	.0	.1																46	46	53	160
-12/-13	.1	.1																35	35	32	152
-14/-15	.0	.0																4	4	14	112
-16/-17																					87
-18/-19																					76
-20/-21																					56
-22/-23																					67
-24/-25																					22
-26/-27																					18
-28/-29																					10
-30/-31																					6
-32/-33																					2
-34/-35																					5
-36/-37																					3
-38/-39																					1
-40/-41																					4
-48/-49																					1
TOTAL	21.7	60.2	14.1	3.0	.8	.2	.0											23855	23888	23855	23053
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	152449615	1877727	78.7	13.865	23844	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	19549180	613608	25.7	12.592	23888	25.2	521.7	.1				744									
Wet Bulb	17499228	577130	24.2	12.170	23855	28.0	573.1	.0				744									
Dew Point	14325618	470986	19.7	14.519	23853	78.6	624.0	.0				744									

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 FEB  
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														
68/67			.0	.0	.0																										10	10			
66/65			.0	.0	.0																										11	11			
64/63		.0	.0	.0	.0		.0	.0	.0																					28	28	5	1		
62/61	.0	.0	.0	.0	.0	.0	.0	.0	.0																					37	37	12	4		
60/59	.0	.1	.0	.1	.1	.0																								53	53	35	11		
58/57	.0	.1	.0	.1	.1	.1	.0																							79	79	34	35		
56/55	.0	.2	.1	.1	.1	.1	.0	.0																						106	106	48	40		
54/53	.1	.2	.1	.1	.2	.1	.0	.0																						173	173	107	68		
52/51	.1	.2	.2	.2	.1	.1	.0																							199	199	117	93		
50/49	.1	.4	.2	.2	.2	.0																								245	245	141	97		
48/47	.2	.4	.3	.4	.3	.1	.0																							346	346	211	143		
46/45	.2	.5	.4	.4	.3	.1																								417	417	291	213		
44/43	.3	.6	.7	.5	.2	.0																								525	525	370	211		
42/41	.3	.7	.9	.7	.2	.0																								632	632	487	326		
40/39	.7	1.3	1.4	.7	.2	.0																								920	920	660	407		
38/37	.7	1.9	1.7	.7	.1																									1100	1100	899	490		
36/35	1.0	3.0	2.1	.6	.1																									1601	1601	1208	728		
34/33	1.6	5.4	2.2	.5	.0																									2098	2098	1882	1167		
32/31	1.3	5.1	2.3	.5	.1																									2035	2035	2100	1720		
30/29	1.0	5.3	2.1	.5	.0																									1947	1947	1951	1710		
28/27	1.0	4.7	1.7	.1																										1640	1640	2084	1379		
26/25	.7	4.1	1.1	.1	.0																									1301	1302	1619	1697		
24/23	.7	3.4	.9	.0																										1107	1107	1378	1580		
22/21	.8	3.1	.7	.0																										931	931	1073	1411		
20/19	.6	3.0	.9																											887	887	1041	888		
18/17	.4	2.1	.3																											595	595	826	1209		
16/15	.4	1.8	.2																											527	527	608	1006		
14/13	.4	1.6	.1																											470	470	500	898		
12/11	.3	1.3	.1																											369	369	446	743		
10/9	.3	1.2	.0																											329	329	395	511		
8/7	.3	.9	.0																											254	257	305	541		
6/5	.2	.7																												205	205	234	455		
4/3	.3	.6																												194	196	223	390		
2/1	.2	.5																												162	162	170	354		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature							Total																				
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS FEB MONTH

PAGE 2 ALL 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
0/-1	.2	.2																97	97	128	276
-2/-3	.1	.1																50	50	53	175
-4/-5	.1	.1																35	35	43	247
-6/-7	.1	.1																26	26	32	144
-8/-9	.0	.1																21	21	23	136
-10/-11	.0	.0																15	15	16	70
-12/-13	.0	.0																2	2	4	60
-14/-15																					35
-16/-17																					41
-18/-19																					24
-20/-21																					13
-22/-23																					8
-24/-25																					3
-26/-27																					1
TOTAL	14.7	55.5	20.4	6.5	2.2	.5	.1	.0	.0									21759	21765	21759	21759
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	132261294	1668030	76.714	132	21751	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≤ 93 F	672									
Dry Bulb	21497944	638096	29.311	323	21765	7.6	407.1	.3				672									
Wet Bulb	18653736	593300	27.310	668	21759	9.2	471.0					672									
Dew Point	14497412	490944	22.612	538	21759	38.1	947.4					672									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 MAR  
STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
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						
82/ 81									.0	.0	.0	.0	.0					1	1								
80/ 79									.0	.0	.0	.0	.0					15	15								
78/ 77									.0	.0	.0	.0	.0					29	29								
76/ 75								.0	.0	.0	.0	.0	.0					35	35								
74/ 73				.0	.0	.0	.1	.1	.0	.1	.0	.0	.0			.0		75	75								
72/ 71				.0	.0	.1	.1	.1	.0	.0	.0	.0	.0					79	79								
70/ 69	.0		.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0					122	122	2	1						
68/ 67	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0					145	145	7	1						
66/ 65	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0					180	180	44	6						
64/ 63		.1	.2	.1	.1	.1	.2	.1	.0	.0								242	242	92	27						
62/ 61	.0	.3	.2	.1	.1	.2	.1	.1	.0	.0								301	301	146	56						
60/ 59	.1	.4	.3	.2	.2	.3	.2	.1	.0	.0								391	393	264	141						
58/ 57	.1	.5	.2	.3	.4	.2	.2	.1	.0									476	476	302	204						
56/ 55	.2	.6	.4	.3	.3	.3	.2	.0	.0									541	541	402	272						
54/ 53	.3	.8	.4	.4	.3	.3	.1	.0										632	632	481	318						
52/ 51	.2	.8	.3	.5	.4	.4	.1	.0										679	679	643	387						
50/ 49	.4	.8	.6	.6	.3	.3	.1	.0										801	801	688	494						
48/ 47	.3	1.0	.9	.7	.5	.3	.0											891	891	667	495						
46/ 45	.3	1.1	1.1	1.0	.6	.3	.0											1055	1055	861	587						
44/ 43	.4	1.4	1.2	1.1	.6	.1	.0											1150	1150	984	734						
42/ 41	.5	1.5	1.5	1.2	.5	.1	.0											1258	1258	1137	813						
40/ 39	.5	1.7	2.0	1.2	.5	.0	.0											1434	1434	1275	948						
38/ 37	.6	2.0	2.1	1.3	.2	.0												1495	1495	1500	1030						
36/ 35	.7	3.4	2.7	1.2	.1	.0												1938	1938	1692	1159						
34/ 33	.7	4.0	2.5	.5	.1													1863	1863	1955	1347						
32/ 31	.8	4.2	2.3	.4	.1													1861	1861	2316	1856						
30/ 29	.5	3.7	2.0	.2	.0													1544	1544	1944	1994						
28/ 27	.5	3.0	1.4	.1														1208	1208	1703	1514						
26/ 25	.4	2.6	.8	.1														921	971	1318	1838						
24/ 23	.3	1.8	.6	.0														662	663	975	1702						
22/ 21	.3	1.7	.3	.0														547	547	692	1359						
20/ 19	.3	1.0	.2	.0														380	380	583	854						
18/ 17	.2	.7	.1															249	249	351	978						
16/ 15	.2	.5	.1															182	182	245	748						
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANVIE AFB ILLINOIS/RANTOUL 37-70 MAR  
 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			
	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/ 13	.1	.4	.0															132	132	175	521
12/ 11	.2	.3	.0															116	116	144	244
10/ 9	.2	.2	.0															84	84	99	265
8/ 7	.1	.1																53	53	61	286
6/ 5	.1	.0																24	24	36	217
4/ 3	.0	.1																24	24	22	117
2/ 1	.0	.1																27	27	28	88
0/ -1	.0	.0																12	12	19	51
-2/ -3	.1																	13	13	13	26
-4/ -5	.0																	8	8	8	25
-6/ -7	.0																	1	1	1	25
-8/ -9																					24
-10/-11																					15
-12/-13																					6
-16/-17																					1
TOTAL	9.5	40.9	25.0	12.0	6.0	3.3	1.7	.8	.4	.2	.1	.0	.0					23879		23879	
																		23876		23877	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\leq 73$ F	$\geq 80$ F	$\leq 93$ F	Total
Rel Hum.	136983225	1765927	74.0	16.315	23873							
Dry Bulb	38696810	914606	38.3	12.390	23879	1.1	250.8	15.6	4.8	.2		744
Wet Bulb	32103093	838625	35.0	10.942	23877	1.3	334.5	.3				744
Dew Point	25012737	717543	30.1	12.018	23876	5.4	462.9	.1				744

USAFETAC FORM 0-26-5 (OL A) JUL 64  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL 37-70 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	
90/ 89																		.0	2	2		
88/ 87																		.0	2	2		
86/ 85																		.0	9	9		
84/ 83																		.0	36	36		
82/ 81					.0	.0	.0	.1	.1	.1	.1	.1	.0	.0				105	105			
80/ 79				.0	.0	.1	.1	.2	.1	.1	.1	.0	.0					158	158			
78/ 77				.0	.1	.1	.2	.2	.2	.1	.1	.1	.0	.0				226	226			
76/ 75			.0	.0	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0				250	250			
74/ 73		.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0					318	318	8		
72/ 71		.0	.1	.2	.3	.3	.2	.2	.2	.2	.0	.0						404	404	30	3	
70/ 69		.0	.2	.3	.4	.3	.2	.4	.3	.2	.1							546	546	83	15	
68/ 67		.1	.3	.5	.4	.3	.4	.3	.2	.2	.0							660	660	191	52	
66/ 65	.0	.2	.7	.5	.4	.4	.4	.4	.2	.1	.0							758	758	354	109	
64/ 63	.0	.6	.7	.4	.4	.5	.4	.4	.2	.1	.0							852	852	556	221	
62/ 61	.1	1.0	.6	.6	.5	.6	.5	.3	.2	.1	.0							1040	1040	745	429	
60/ 59	.2	1.2	.6	.7	.7	.8	.4	.3	.2	.0								1192	1192	906	668	
58/ 57	.2	1.0	.6	.7	.8	.6	.4	.4	.1	.0								1131	1131	1012	762	
56/ 55	.2	.9	.9	.9	.8	.8	.6	.2	.0									1208	1208	1032	748	
54/ 53	.3	1.0	1.1	1.0	.7	.7	.4	.1	.0									1229	1229	1156	754	
52/ 51	.3	1.1	1.1	1.1	1.0	.7	.3	.0										1304	1304	1324	774	
50/ 49	.3	1.3	1.3	1.3	1.0	.5	.2	.0										1438	1438	1434	893	
48/ 47	.3	1.2	1.3	1.4	.9	.4	.1	.0										1335	1335	1473	1063	
46/ 45	.3	1.9	1.7	1.5	.7	.4	.0											1485	1485	1622	1190	
44/ 43	.3	1.8	1.8	1.2	.6	.2	.0											1344	1344	1808	1264	
42/ 41	.3	1.9	1.8	1.0	.4	.1												1289	1289	1711	1500	
40/ 39	.4	1.6	2.1	.7	.2	.0												1184	1184	1686	1655	
38/ 37	.3	1.9	1.6	.7	.1													1057	1057	1461	1471	
36/ 35	.2	1.9	1.2	.4	.0													881	881	1438	1647	
34/ 33	.2	1.6	1.0	.1	.0													702	702	1076	1507	
32/ 31	.2	.9	.6	.1														437	437	862	1629	
30/ 29	.1	.6	.3	.0														228	228	505	1349	
28/ 27	.0	.3	.2	.0														123	123	287	847	
26/ 25	.0	.2	.1	.0														63	63	166	851	
24/ 23	.0	.1	.1															41	41	69	601	
Element (X)	Σx <sup>2</sup>	Σx		Σx̄	σ <sub>x</sub>	No. Obs		Mean No. of Hours with Temperature										Total				
Rel. Hum								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14906 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS APR MONTH

PAGE 2 ALL 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
22/ 21	.0	.0	.0																	13	13	35	468
20/ 19		.0																		2	2	20	208
18/ 17																						2	190
16/ 15																							89
14/ 13																							44
12/ 11																							29
10/ 9																							14
8/ 7																							8
TOTAL	4,224,623,015,610,6	5,0	5,3	3,9	2,4	1,4	.6	.3	.1	.0	.0									23052	23052	23052	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum	116811700	1578832	62.5119,353		23042							
Dry Bulb	63967915	1182467	51.311,987		23052		28,3	84,8	34,9	7,3		720
Wet Bulb	50573631	1055301	45,8	9,908	23052		60,8	4,7	.2			720
Dew Point	39857412	923456	40,10	1,166	23052		197,6	2,2				720

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS MAY MONTH

PAGE 1 ALL MONTHS TL. 5.

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/ 93												.0	.0	.0				12	12																
92/ 91								.0	.0	.0	.0	.1	.0					46	46																
90/ 89							.0	.0	.1	.1	.1	.1	.0					88	88																
88/ 87						.0	.0	.2	.2	.1	.1	.0	.0					195	195																
86/ 85					.0	.0	.1	.2	.2	.2	.2	.1	.0	.0	.0			262	262																
84/ 83				.0	.0	.1	.2	.3	.3	.2	.2	.1	.0	.0	.0			345	345																
82/ 81				.0	.0	.2	.3	.4	.3	.3	.3	.2	.0	.0				465	466																
80/ 79		.0	.0	.0	.2	.4	.5	.4	.3	.3	.2	.2	.1	.0				650	650	2															
78/ 77		.0	.0	.1	.5	.5	.6	.4	.3	.3	.3	.1	.0					742	742	12	1														
76/ 75		.0	.1	.4	.6	.5	.5	.3	.3	.4	.3	.1	.0					860	860	52	9														
74/ 73		.0	.4	.6	.5	.5	.5	.5	.4	.4	.2	.1						960	960	104	24														
72/ 71	.0	.2	.6	.7	.7	.4	.6	.4	.4	.3	.2	.0						1064	1064	447	49														
70/ 69	.0	.4	1.0	.9	.6	.6	.5	.5	.4	.2	.1	.0						1243	1243	845	184														
68/ 67	.1	.7	1.2	.8	.7	.7	.6	.6	.5	.3	.0							1514	1514	1137	511														
66/ 65	.2	1.3	1.2	.9	.8	.7	.7	.5	.3	.1	.0							1575	1575	1452	875														
64/ 63	.3	1.4	1.3	.9	.9	.7	.5	.4	.2	.1								1573	1573	1519	1195														
62/ 61	.3	1.6	1.0	1.0	.8	.7	.5	.3	.1	.0								1473	1473	1599	1377														
60/ 59	.4	1.3	1.2	1.2	1.1	.7	.5	.2	.1									1576	1576	1833	1358														
58/ 57	.4	1.5	1.2	1.0	.8	.6	.3	.1	.0									1416	1416	1816	1429														
56/ 55	.3	1.9	1.4	1.2	.7	.4	.2	.1	.0									1454	1454	1904	1409														
54/ 53	.2	1.5	1.3	1.2	.6	.3	.2	.0	.0									1291	1291	1950	1484														
52/ 51	.2	1.4	1.2	.9	.4	.3	.1	.0										1093	1094	1764	1606														
50/ 49	.2	1.4	1.4	.7	.4	.1	.0											1005	1005	1686	1557														
48/ 47	.2	1.0	1.1	.5	.3	.1	.0											750	750	1446	1493														
46/ 45	.1	1.0	.9	.4	.2	.0												619	619	1150	1468														
44/ 43	.1	.9	.7	.3	.1	.0												490	490	860	1461														
42/ 41	.0	.6	.5	.2	.1													342	342	767	1365														
40/ 39	.0	.4	.4	.1	.0	.0												239	239	506	1179														
38/ 37	.1	.3	.3	.1	.0													158	158	353	912														
36/ 35	.0	.2	.1	.0														94	94	225	776														
34/ 33	.0	.1	.0															40	40	134	526														
32/ 31		.0	.0															8	8	62	514														
30/ 29			.0															1	1	14	364														
28/ 27																				2	207														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAF ETAC FORM 0184 0 26 5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

14806     CHANUTE AFB ILLINOIS/RANTOUL     37-70     MAY  
STAT ON                                      STATION NAME                                      YEARS                                      MONTH

PAGE 2     ALL  
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.P.	Dry Bulb	Wet Bulb	Dew Point		
26/ 25																					177		
24/ 23																					77		
22/ 21																					32		
20/ 19																					14		
18/ 17																					6		
16/ 15																					1		
14/ 13																					2		
12/ 11																					1		
10/ 9																					1		
TOTAL	3.1	19.6	18.5	14.1	11.1	8.7	7.5	5.7	4.4	3.3	2.3	1.2	.4	.1	.0					23643	23644		
																					23643	23643	

Element (X)	Σ x'	Σ x	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	115462802	1581286	66.920	226	23635							
Dry Bulb	94895403	1473701	62.311	369	23645		3	265.8	145.6	55.1	4	744
Wet Bulb	74068913	1306627	55.3	8.865	23643		2.5	81.8	5.3			744
Dew Point	61027998	1175722	49.710	413	23644		63.9	24.5	1.1			744

USAF/TAC FORM 0 26-5 (OL A) JUL 65 REVISIONS OF PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RAHTLUL 37-70 JUN  
STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
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														
104/103																		3	3																
102/101																		5	5																
100/99																		21	21																
98/97																		32	32																
96/95																		59	59																
94/93																		188	188																
92/91																		340	340																
90/89																		549	549																
88/87																		655	655																
86/85																		863	863																
84/83																		1012	1012	2															
82/81																		1033	1033	19															
80/79																		1334	1334	139	4														
78/77																		1467	1467	380	54														
76/75																		1612	1612	834	187														
74/73																		1665	1665	1372	474														
72/71																		1787	1787	1995	1000														
70/69																		1957	1957	2448	1815														
68/67																		1766	1766	2415	2119														
66/65																		1482	1482	2395	2126														
64/63																		1271	1271	2119	1941														
62/61																		973	973	1872	1812														
60/59																		825	825	1922	1789														
58/57																		665	665	1425	1659														
56/55																		510	510	1205	1628														
54/53																		334	334	903	1436														
52/51																		240	240	622	1324														
50/49																		125	125	376	1007														
48/47																		73	73	222	766														
46/45																		33	33	118	616														
44/43																		19	19	77	431														
42/41																		2	2	29	295														
40/39																		6	6	13	192														
38/37																				6	126														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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) 1 JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70

JUN

PAGE 2 ALL 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																
36/ 35																																				1	57
34/ 33																																					25
32/ 31																																					9
30/ 29																																					4
28/ 27																																					3
26/ 25																																					2
24/ 23																																					2
TOTAL	2,315	517	114	011	2 9,5	8,2	6,8	5,8	4,3	2,6	1,4	.6	.2	.0																					22906	22907	

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	113452589	1553547	67.8	18.773	22901	< 0 F	- 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	121422540	1652406	72.1	9.861	22906			313.9	340.7	171.5	9.7	720
Wet Bulb	95779884	1471982	64.3	7.213	22907			301.9	96.3	2.0		720
Dew Point	83181461	1366669	59.7	8.471	22907			.6	177.7	22.6		720



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

### PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Tc ip (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
42/ 41																					51
40/ 39																					10
38/ 37																					2
36/ 35																					3
34/ 33																					1
32/ 31																					2
TOTAL	1.7	13.1	16.9	13.7	11.3	9.7	8.7	7.8	7.0	4.7	2.8	1.3	.5	.3	.2	.1	.0		24043		24041
																		24042		24042	
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	116858995	1617467	67.3	18.260	24036	$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$										
Dry Bulb	140239323	1824279	75.9	8.702	24043			639.7	466.1	257.6	20.3	744									
Wet Bulb	110335419	1622369	67.5	5.970	24042			435.9	161.3	4.3		744									
Dew Point	96811236	1515515	62.0	7.281	24041			279.4	51.4	.5		744									

USAFETAC FORM 110a  
 0-26-5 (OL A)  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RAHQUUL 36-70 AUG  
 STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
 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
102/101														.0				2	2		
100/ 99														.0				15	15		
98/ 97										.0	.0	.1	.0	.0	.0			36	36		
96/ 95								.0	.1	.2	.2	.1	.1	.0				147	147		
94/ 93						.0	.0	.1	.2	.3	.2	.1	.0	.0				217	217		
92/ 91					.0	.0	.1	.2	.3	.4	.1	.1	.0					382	382		
90/ 89					.0	.2	.4	.6	.6	.3	.2	.1	.0					618	618		
88/ 87				.0	.2	.4	.8	.7	.6	.3	.2	.1	.0					789	789		
86/ 85			.0	.1	.3	.8	1.0	.9	.6	.4	.2	.1	.0					1070	1070		
84/ 83		.0	.0	.3	.7	1.0	.9	.9	.7	.4	.2	.0						1232	1232		
82/ 81		.0	.2	.6	1.1	1.1	1.0	.9	.7	.4	.2							1461	1461	40	
80/ 79	.0	.1	.6	1.0	1.2	1.1	.9	.9	.6	.3	.1							1637	1637	245	19
78/ 77		.3	1.1	1.4	1.2	.8	.9	.6	.5	.1	.0	.0						1654	1654	728	127
76/ 75	.0	.9	1.7	1.4	1.1	.9	.9	.7	.3	.2	.0							1979	1979	1529	362
74/ 73	.1	1.0	2.0	1.5	1.1	.8	.7	.3	.2	.1	.0							2021	2021	2086	1028
72/ 71	.3	2.4	2.0	1.4	1.0	.7	.4	.3	.1	.0	.0							2057	2058	2636	1836
70/ 69	.4	2.4	2.0	1.4	.9	.6	.3	.2	.0	.0	.0							1994	1994	2899	2531
68/ 67	.5	2.4	2.0	1.3	.7	.4	.2	.0	.0									1787	1787	2718	2660
66/ 65	.3	1.8	2.1	1.2	.5	.2	.1	.0										1503	1503	2713	2360
64/ 63	.2	1.4	1.7	.8	.3	.1	.0	.0										1100	1100	2328	2240
62/ 61	.1	1.4	1.0	.6	.2	.0	.0	.0										808	808	1933	2135
60/ 59	.1	1.1	.9	.5	.1	.0	.0											661	661	1625	2064
58/ 57	.1	.7	.7	.2	.0	.0												411	411	1068	1819
56/ 55	.0	.5	.5	.1	.0													262	262	682	1624
54/ 53	.0	.2	.2	.0														124	124	431	1124
52/ 51	.0	.1	.1	.0														52	52	248	815
50/ 49		.1	.0	.0														24	24	87	582
48/ 47		.0	.0															9	9	36	326
46/ 45		.0	.0															3	3	17	223
44/ 42																				3	91
42/ 41			.0															1	1		51
40/ 39																				2	20
38/ 37																					8
36/ 35																					6
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC F 324 JUL 64 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOL 36-70 AUG  
STATION STATION NAME YEARS MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-1	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		
34/ 33																					2		
32/ 31																					1		
TOTAL	2.2	17.6	18.7	13.7	10.6	9.4	8.5	7.5	5.8	3.4	1.7	.6	.3	.1	.0		24056	24056	24056	24056			
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.	126681902	1694136	70.4	17.496	24054	≤ 0 F	≤ 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total											
Dry Bulb	133226851	1782019	74.1	8.943	24057			590.7	410.1	211.1	12.9	744											
Wet Bulb	108013630	1604832	66.7	6.289	24056			398.4	143.2	3.8		744											
Dew Point	96122387	1310921	62.8	7.132	24056			.0	264.8	47.5	.3	744											

USAFETAC FORM 0-26 5 (OL A) 01 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS SEP 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
100/ 99											.0		.0	.0	.0	.0		11	11		
98/ 57													.1	.0	.0	.0		27	27		
96/ 95										.0	.0	.1	.1	.0	.0		43	43			
94/ 93									.0	.0	.1	.1	.1	.0			72	72			
92/ 91								.0	.0	.1	.1	.1	.1	.0			138	138			
90/ 89							.0	.1	.2	.2	.2	.2	.1	.1	.0	.0	264	264			
88/ 87				.0	.0	.0	.2	.3	.4	.4	.3	.2	.1	.1	.0		378	378			
86/ 85			.0	.0	.0	.2	.3	.4	.4	.3	.2	.1	.1	.0			496	496			
84/ 83			.0	.0	.2	.3	.4	.4	.3	.2	.1	.1	.0				520	520			
82/ 81			.0	.1	.3	.5	.6	.5	.4	.4	.2	.0	.0				706	706	2	1	
80/ 79		.0	.1	.4	.4	.6	.5	.5	.4	.3	.2	.1	.0	.0			825	825	14	2	
78/ 77		.0	.2	.5	.6	.6	.6	.5	.3	.2	.1	.0	.0				974	974	86	7	
76/ 75	.0	.2	.5	.7	.6	.6	.5	.5	.4	.2	.0						1209	1209	370	28	
74/ 73	.0	.5	.8	.9	.6	.6	.6	.5	.4	.1	.0						1327	1327	697	168	
72/ 71	.2	1.1	1.2	.9	.7	.5	.5	.6	.4	.2	.0	.0					1482	1482	1050	553	
70/ 69	.2	1.6	1.3	.9	.7	.6	.7	.7	.4	.1	.0						1699	1699	1617	863	
68/ 67	.3	1.6	1.2	.9	.7	.7	.7	.5	.2	.1	.0						1624	1624	1793	1289	
66/ 65	.4	1.6	1.4	1.0	.8	.7	.7	.4	.1	.0							1661	1661	1902	1428	
64/ 63	.2	1.4	1.3	.9	.9	.7	.6	.3	.1								1486	1486	1666	1429	
62/ 61	.1	1.4	1.1	.9	.8	.6	.4	.1	.0								1319	1319	1699	1484	
60/ 59	.2	1.7	1.3	1.1	.7	.5	.2	.1	.0								1340	1340	1842	1464	
58/ 57	.1	1.6	1.3	1.0	.6	.3	.1	.0									1207	1207	1905	1391	
56/ 55	.1	1.6	1.3	1.0	.5	.2	.1	.0									1181	1181	1842	1536	
54/ 53	.1	1.2	1.2	.8	.4	.1	.0	.0									904	904	1679	1319	
52/ 51	.1	1.1	1.0	.7	.2	.1	.0	.0									749	749	1440	1523	
50/ 49	.1	1.1	1.0	.4	.1	.0											641	643	1196	1338	
48/ 47	.0	.7	.8	.2	.1	.0	.0										421	421	961	1488	
46/ 45	.0	.5	.5	.2	.0	.0											302	302	694	1342	
44/ 43	.0	.5	.3	.1	.0												207	207	439	1107	
42/ 41	.0	.4	.2	.1	.0												155	155	303	994	
40/ 39	.0	.2	.1	.0													91	91	215	802	
38/ 37	.0	.1	.0	.0													38	38	114	532	
36/ 35	.0	.0	.0	.0													13	13	61	357	
34/ 33	.0	.0	.0	.0													4	4	15	190	
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature							Total						
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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70

SEP  
 MONTH

PAGE 2

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					
32/ 31		.0	.0																4	4	8	119			
30/ 29		.0																	1	1	4	93			
28/ 27		.0																	1	1	2	27			
26/ 25																						28			
24/ 23																						9			
22/ 21																						4			
20/ 19																						3			
18/ 17																						2			
TOTAL	2,220	118,5	13,6	10,2	8,6	7,8	6,7	5,1	3,5	2,0	.9	.6	.1	.1	.0			23520	23520	23520	23520				
																						23520		23520	

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	117841580	1600764	68.119	4.27	23516							
Dry Bulb	106925211	1563867	66.511	4.201	23522		.2	361.0	214.0	93.8	4.7	720
Wet Bulb	84330890	1393432	59.2	8.693	23520		.4	172.4	35.8	.2		720
Dew Point	71695150	1277330	54.3	9.944	23520		8.7	89.1	6.3	.0		720

USAF ETAC FORM 0-26 5 (DL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE APB ILLINOIS/RANTOUL

36-70

OCT  
 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																																		1	1		
90/ 89													.0	.0	.0																		6	6			
88/ 87											.0	.0	.0	.0	.0																		24	24			
86/ 85											.0	.1	.1	.1	.1	.0																	96	96			
84/ 83										.0	.1	.1	.1	.1	.1	.1	.0																150	150			
82/ 81								.0	.1	.1	.1	.2	.1	.2	.0	.0																	199	199			
80/ 79			.0	.0	.0	.1	.1	.2	.2	.2	.2	.2	.2	.2	.1	.0																	262	262			
78/ 77		.0	.0	.0	.1	.2	.2	.3	.3	.3	.3	.3	.3	.3	.2	.1	.0																385	385			
76/ 75		.0	.1	.1	.2	.2	.3	.3	.3	.3	.3	.3	.3	.2	.1	.0	.0																458	458	11		
74/ 73		.0	.1	.2	.2	.3	.4	.3	.3	.3	.3	.3	.3	.2	.1	.0	.0																491	491	40	6	
72/ 71		.2	.2	.3	.3	.3	.3	.4	.4	.4	.4	.4	.2	.1	.0	.0																	661	661	127	24	
70/ 69	.0	.4	.3	.4	.3	.3	.4	.5	.5	.5	.5	.1	.0	.0	.0																		820	820	281	124	
68/ 67	.1	.5	.5	.4	.4	.4	.5	.6	.6	.6	.6	.3	.1	.0																			965	965	416	197	
66/ 65	.2	.8	.5	.6	.5	.5	.7	.8	.8	.8	.8	.5	.3	.1	.0																		1142	1143	659	346	
64/ 63	.2	.9	.8	.9	.8	.8	.9	.9	.9	.9	.9	.6	.4	.2	.0																		1228	1228	912	519	
62/ 61	.2	1.2	.6	.7	.6	.6	.8	.6	.4	.1	.0																						1296	1296	1089	610	
60/ 59	.2	1.5	.8	.8	.8	.8	1.0	.8	.3	.1																							1556	1556	1259	782	
58/ 57	.3	1.3	.9	1.0	1.1	.8	.6	.2	.0																								1486	1486	1379	977	
56/ 55	.3	1.4	1.2	1.2	1.1	.9	.4	.1																									1594	1594	1551	1075	
54/ 53	.3	1.4	1.3	1.3	1.0	.7	.2	.0																									1512	1512	1680	1031	
52/ 51	.2	1.3	1.5	1.4	.9	.5	.1	.0																									1441	1442	1701	1141	
50/ 49	.3	1.4	1.9	1.4	.9	.4	.1	.0																									1566	1566	1839	1260	
48/ 47	.1	1.5	1.8	1.3	.7	.3	.0																										1404	1405	1993	1344	
46/ 45	.2	1.8	1.8	1.2	.5	.2	.0																										1384	1385	1905	1623	
44/ 43	.2	1.4	1.7	.7	.4	.1	.0																										1089	1089	1794	1865	
42/ 41	.1	1.2	1.4	.7	.2	.0	.0																										917	917	1450	1859	
40/ 39	.1	1.2	1.3	.4	.1	.0																											750	750	1264	1878	
38/ 37	.1	1.1	.8	.4	.1	.0																											596	596	1025	1517	
36/ 35	.1	.8	.6	.2	.0	.0																											397	397	817	1583	
34/ 33	.0	.5	.5	.1	.0	.0																											279	279	479	1247	
32/ 31	.0	.5	.3	.0	.0																												202	202	375	1002	
30/ 29	.1	.3	.1	.0	.0																												111	111	302	812	
28/ 27	.0	.1	.1	.0																													53	53	137	515	
26/ 25	.0	.1	.0																														21	21	52	506	
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$	$\sigma_x$	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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS OCT MONTH

PAGE 2 011 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		.0	.0															10	10	23	285			
22/ 21		.0																4	4	10	210			
20/ 19																				5	96			
18/ 17																					45			
16/ 15																					42			
14/ 13																					24			
12/ 11																					5			
8/ 7																					3			
6/ 5																					3			
TOTAL	3.4	22.8	21.1	15.4	10.9	8.5	6.6	4.8	3.2	1.9	1.0	.4	.2	.0	.0					24394	24390			
																		24576			24390			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total												
Ref Hum.	121690248	1656606	67.9	19.369	24385	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	78783609	1356357	58.6	11.749	24394		12.2	137.4	63.3	19.1		744												
Wet Bulb	62063052	1207936	49.5	9.581	24390		27.5	26.4	1.6			744												
Dew Point	49938.33	1071767	43.9	10.795	24390		106.7	10.7	.2			744												

USAFETAC FORM 0-26-5 (L A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL STATION NAME

56-70 YEARS

NOV MONTH

PAGE 1

ALL HOURS (L. . . 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						
80/79								.0												6	6						
78/77							.0	.0	.0											7	7						
76/75					.0	.0	.0	.0	.0											14	14						
74/73				.0	.0	.0	.0	.0	.0	.0										40	40						
72/71			.0	.0	.1	.0	.1	.0	.0	.0							.0			57	57						
70/69		.0	.1	.1	.1	.1	.1	.1	.0	.0	.0						.0			133	133						
68/67		.0	.1	.1	.2	.1	.1	.1	.0	.0	.0						.0			151	151	20	2				
66/65	.0	.0	.2	.2	.1	.1	.1	.1	.0	.0	.0						.0			179	179	48	10				
64/63	.1	.2	.3	.1	.2	.1	.1	.1	.0	.0	.0									275	275	94	46				
62/61	.1	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0									393	393	218	103				
60/59	.1	.5	.3	.3	.3	.3	.2	.1	.0	.0	.0									490	490	337	213				
58/57	.3	.6	.4	.3	.4	.3	.1	.1	.0	.0	.0									569	569	395	319				
56/55	.3	.7	.4	.5	.5	.3	.1	.1	.0	.0	.0									674	674	457	360				
54/53	.2	.6	.5	.5	.6	.3	.2	.0	.0	.0	.0									746	747	569	346				
52/51	.4	.8	.6	.6	.6	.3	.1	.0	.0	.0	.0									822	822	562	467				
50/49	.3	1.0	1.0	.9	.6	.3	.1	.0	.0	.0	.0									1005	1005	764	489				
48/47	.3	1.4	1.3	.8	.7	.3	.0	.0	.0	.0	.0									1118	1118	832	540				
46/45	.4	1.8	1.9	1.2	.7	.2	.0	.0	.0	.0	.0									1353	1353	1212	712				
44/43	.4	1.7	1.8	1.3	.5	.1	.0	.0	.0	.0	.0									1382	1382	1289	856				
42/41	.6	1.8	2.0	1.2	.4	.1	.0	.0	.0	.0	.0									1457	1457	1398	1072				
40/39	.4	2.1	2.5	1.3	.4	.0	.0	.0	.0	.0	.0									1569	1569	1537	1204				
38/37	.3	2.5	2.2	1.2	.1	.0	.0	.0	.0	.0	.0									1514	1514	1683	1136				
36/35	.3	3.7	2.7	.8	.0	.0	.0	.0	.0	.0	.0									1792	1792	1754	1400				
34/33	.3	3.5	2.3	.3	.0	.0	.0	.0	.0	.0	.0									1591	1591	1923	1598				
32/31	.7	3.6	2.2	.2	.0	.0	.0	.0	.0	.0	.0									1570	1571	2000	1965				
30/29	.9	3.0	1.5	.2	.0	.0	.0	.0	.0	.0	.0									1207	1207	1634	2018				
28/27	.5	2.4	.8	.1	.0	.0	.0	.0	.0	.0	.0									874	874	1404	1352				
26/25	.4	2.1	.7	.0	.0	.0	.0	.0	.0	.0	.0									767	767	962	1702				
24/23	.2	1.5	.4	.0	.0	.0	.0	.0	.0	.0	.0									501	504	693	1386				
22/21	.1	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0									401	405	555	1081				
20/19	.2	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0									288	289	445	645				
18/17	.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0									162	164	230	673				
16/15	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0									148	148	149	538				
14/13	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0									101	101	140	419				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 39-70 YEARS NOV MONTH

PAGE 2 ALL 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			
12/ 11	.1	.2	.0															69	69	92	286			
10/ 9	.1	.1																55	55	66	146			
8/ 7	.1	.0																23	23	37	171			
6/ 5	.0	.1																24	25	17	79			
4/ 3	.0	.0																16	16	22	70			
2/ 1	.0	.0																12	12	12	31			
0/ -1	.0	.0																9	9	13	20			
-2/ -3	.0	.0																2	2	2	16			
-4/ -5	.0																	2	2	3	26			
-6/ -7																					21			
-8/ -9																					7			
-10/-11																					5			
-12/-13																					1			
TOTAL	8.2	40.9	26.4	12.6	6.7	3.3	1.4	.7	.2	.1	.0							23568		23568				
																		23568		23568				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Ob	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	138941282	1773034	75.2	15.315	23563							
Dry Bulb	41285591	967485	40.2	11.838	23581	.4	190.6	12.5	2.0	.1		720
Wet Bulb	34821524	870180	36.9	10.689	23568	.5	258.9	.6				720
Dew Point	27992269	763993	32.4	11.700	23568	3.1	387.8	.1				720

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHAN TF AFB ILLINOIS/RANTOUL 36-70 DEC  
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															
70/69			.0	.0	.0				.0																							5	5			
68/67			.0	.0	.0																												8	8		
66/65			.0	.0	.0			.0																									6	6	3	
64/63	.0	.0	.0	.0	.0	.0																											27	27	7	4
62/61		.1	.1	.0	.0	.0							.0	.0																			54	54	20	14
60/59	.0	.2	.1	.0	.0	.0	.0	.0	.0																								92	92	43	23
58/57	.0	.3	.1	.0	.1	.1	.0	.0																									155	158	97	60
56/55	.1	.4	.1	.1	.1	.1	.0																										197	197	113	111
54/53	.1	.5	.1	.1	.1	.1	.0																										240	240	134	120
52/51	.2	.4	.1	.2	.1	.1																											269	269	220	183
50/49	.2	.5	.3	.3	.2	.1																											375	375	233	198
48/47	.3	.7	.5	.3	.2	.0																											477	478	324	234
46/45	.3	.8	.5	.4	.1	.0																											496	496	447	245
44/43	.3	.7	.6	.4	.1	.0																											526	526	478	341
42/41	.4	1.1	.9	.4	.1	.0																											713	713	553	383
40/39	.6	1.4	1.4	.5	.1	.0																											954	954	743	561
38/37	.9	2.1	1.3	.6	.1																												1234	1235	1008	75
36/35	1.4	3.9	1.9	.4	.1	.0																											1859	1859	1448	978
34/33	1.5	4.7	2.0	.3	.1																												2100	2102	1802	1385
32/31	1.5	4.8	2.1	.4	.0																												2157	2158	2310	1744
30/2	1.1	5.0	2.0	.3	.0																												2053	2054	1976	1811
28/27	1.1	4.6	1.4	.1	.0																												1758	1764	2235	1307
26/25	1.1	4.0	1.1	.0																													1537	1540	1855	1789
24/23	.9	3.6	.6	.0																													1238	1236	1553	1707
22/21	.6	3.1	.4	.0																													1029	1029	1193	1555
20/19	.7	2.8	.3	.0																													944	950	1123	1112
18/17	.6	2.1	.5																														723	729	849	1262
16/15	.5	1.5	.1																														615	618	67	1239
14/13	.5	1.5	.0																														482	482	597	914
12/11	.3	1.3	.0																														393	396	432	770
10/9	.5	.9	.0																														352	353	420	534
8/7	.3	.8																															275	281	303	551
6/5	.4	.6																															252	256	282	492
4/3	.4	.5																															216	221	237	364
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 301 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CRANFLE AFB ILLINOIS/RANTOUL 36-70 YEARS DEC MONTH

PAGE 2 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																
2/ 1	.4	.4																															181	182	198	381
0/ -1	.3	.2																															123	125	144	319
-2/ -3	.2	.1																															89	89	96	171
-4/ -5	.1	.1																															44	49	56	220
-6/ -7	.1	.1																															29	32	27	160
-8/ -9	.0	.0																															19	19	23	112
-10/-11	.0	.0																															16	16	15	73
-12/-13	.0																																4	4	8	43
-14/-15																																				28
-16/-17																																				30
-18/-19																																				18
-20/-21																																				9
-22/-23																																				6
-24/-25																																				4
TOTAL	18.3	56.0	18.5	5.0	1.5	.6	.1	.0	.0																								24317	24377	24316	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum.	157169735	1927663	79.2	13.324	24310							
Dry Bulb	24803902	721770	29.6	11.867	24377	10.2	445.1	.4				744
Wet Bulb	21881829	676165	27.8	11.253	24317	11.3	503.8					744
Dew Point	17715430	577058	23.7	12.859	24316	36.5	572.9					744

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14006 CHANUTE AFB ILLINOIS/RANTOUL 37-64 JAN

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		
62/ 61			.1															2	2				
60/ 59		.2																4	4				
58/ 57		.1																2	2	6	3		
56/ 55	.0	.1																4	4	3	5		
54/ 53	.1	.2	.0															8	8	7	3		
52/ 51	.2	.4	.0	.0														17	19	14	16		
50/ 49	.3	.2	.0															14	14	16	12		
48/ 47	.2	.2			.0													15	15	17	18		
46/ 45	.4	.1	.0	.1	.0													18	18	15	18		
44/ 43	.2	.6	.2															22	22	13	2		
42/ 41	.4	.7	.5															43	43	24	19		
40/ 39	.7	.5	.6	.0														48	48	48	35		
38/ 37	.7	1.1	.8															68	68	60	38		
36/ 35	1.2	2.5	.6	.1														124	124	83	62		
34/ 33	2.2	5.5	.5	.0														217	217	165	121		
32/ 31	3.2	4.6	1.1															227	227	236	184		
30/ 29	2.4	5.3	1.1															229	229	215	192		
28/ 27	1.3	4.4	.2															158	158	203	129		
26/ 25	1.7	4.8	.4															175	176	167	172		
24/ 23	1.1	3.9	.4															129	129	167	155		
22/ 21	1.1	4.1	.2															135	135	130	166		
20/ 19	1.2	4.0	.1															135	135	142	91		
18/ 17	1.3	2.4	.1															95	95	120	132		
16/ 15	.9	2.4	.2															87	87	82	126		
14/ 13	1.1	1.9	.2															79	79	88	118		
12/ 11	.7	2.0	.1															69	69	68	84		
10/ 9	.7	2.2																74	74	81	60		
8/ 7	1.0	2.0																75	75	80	76		
6/ 5	.8	1.7																63	63	68	59		
4/ 3	.9	1.6																63	63	69	63		
2/ 1	.7	.9																39	39	42	70		
0/ -1	.6	.5																29	29	32	81		
-2/ -3	.7	.5																31	21	35	29		
-4/ -5	.3	.4																19	15	21	51		
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	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																							

JSAFETAC FORM 0 26 5 (L-A) REVISION 10-64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

14805 CHANUTE AFB ILLINOIS/RANTOUL 37-64 JAN  
 STATION STATION NAME YEAR MONTH  
 PAGE 2 0000-0200  
HOURS LL. 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/-7	.1	.2																																		30		
-8/-9	.1	.0																																		33		
-10/-11		.2																																		17		
-12/-13	.1	.0																																		19		
-14/-15																																				4		
-16/-17																																				8		
-18/-19																																				7		
-20/-21																																				6		
-22/-23																																				6		
-24/-25																																				4		
-26/-27																																				2		
-32/-33																																				1		
-34/-35																																				1		
-36/-37																																				1		
<b>TOTAL</b>	29.0	63.0	7.0	.4	.1																															<b>2540</b>	<b>2542</b>	<b>2540</b>
Element (X)	Zx'	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum	17470373	208345	82.2	11.813	2536	≤ 0 F	≥ 32 F	≥ 67 F	≥ 75 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	1839814	60890	24.0	12.249	2540	3.7	70.8					93																										
Wet Bulb	1700498	58190	22.9	12.029	2540	4.1	75.8					17																										
Dew Point	1454863	48793	19.2	14.277	2540	11.1	79.9					7																										

USAFETAC FORM 0 76-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 17-63 JAN  
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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		
62/ 61			.1																		2	2		
60/ 59		.2																			4	4	2	
58/ 57	.1																				3	3	7	6
56/ 55		.2																			6	6	2	5
54/ 53	.2	.1																			7	7	8	6
52/ 51	.2	.2																			11	11	13	11
50/ 49	.4	.2	.0																		15	15	14	14
48/ 47	.4	.2	.1																		16	16	11	13
46/ 45	.1	.3	.1	.1																	15	15	12	8
44/ 43	.3	.3	.0	.0																	18	18	20	13
42/ 41	.4	.8	.1																		33	33	21	27
40/ 39	.7	.4	.3	.1																	37	37	39	26
38/ 37	.6	1.1	.5	.1																	56	56	27	32
36/ 35	1.7	2.7	.8	.1																	132	132	97	62
34/ 33	2.2	3.9	.6	.0																	171	171	150	112
32/ 31	3.5	3.7	.5																		200	200	220	157
30/ 29	2.2	5.5	.7																		209	209	170	175
28/ 27	2.0	4.7	.4																		178	178	214	125
26/ 25	1.9	4.9	.2																		176	176	173	160
24/ 23	2.0	4.0	.2																		153	153	169	161
22/ 21	.9	4.4	.0																		135	135	139	173
20/ 19	1.6	3.3	.0																		124	124	141	85
18/ 17	1.3	2.6	.1																		100	100	110	158
16/ 15	1.0	3.1	.0																		103	103	91	105
14/ 13	.9	2.2	.0																		79	79	104	111
12/ 11	1.0	2.3																			82	82	76	83
10/ 9	1.0	1.9																			73	73	83	80
8/ 7	.8	2.0																			70	70	63	84
6/ 5	1.2	.9																			51	51	71	58
4/ 3	.6	1.4																			51	51	44	65
2/ 1	1.3	.8																			53	53	57	55
0/ -1	1.4	.8																			55	55	59	63
-2/ -3	.6	.7																			32	32	31	43
-4/ -5	.4	.3																			19	19	27	63
Element (X)	ΣX'		ΣX		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-63 YEARS JAN MONTH

PAGE 2 0300-0500 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/-7	.4	.3																16	16	16	42					
-8/-9	.2	.1																8	8	10	31					
-10/-11	.1	.4																12	12	13	11					
-12/-13	.1	.1																5	5	4	23					
-14/-15																				2	15					
-16/-17																					11					
-18/-19																					9					
-20/-21																					7					
-22/-23																					10					
-24/-25																					4					
-26/-27																					1					
-28/-29																					2					
-30/-31																					2					
-34/-35																					2					
-48/-49																					1					
TOTAL	33.4	61.2	4.9	.5														2510	2510		2510					

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	17568800	207854	82.4	11.804	2509							
Dry Bulb	1711855	27481	22.9	12.555	2510	5.4	73.5					93
Wet Bulb	1596734	35134	22.0	12.398	2510	6.0	77.3					93
Dew Point	1387358	46038	18.3	14.710	2510	12.6	80.6					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTDUL STATION NAME 37-70 YEARS JAN MONTH

PAGE 1 0600-0800 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														
64/63			.0															1	1																
62/61		.0	.0															2	2																
60/59	.0	.1		.1														6	6	3	1														
58/57	.1	.3																12	12	9	5														
56/55	.0	.0	.0															3	3	7	13														
54/53	.0	.1																4	4	5	2														
52/51	.1	.2																10	10	11	10														
50/49	.2	.4	.0															21	21	12	12														
48/47	.2	.3	.0															18	18	20	14														
46/45	.1	.2	.2															15	15	13	15														
44/43	.3	.5	.1	.1														30	30	22	21														
42/41	.5	.6	.1	.0														38	38	38	26														
40/39	.6	.5	.1															36	36	41	42														
38/37	1.0	1.5	.9															99	99	43	53														
36/35	1.5	2.6	.9															149	149	113	63														
34/33	1.7	3.2	.3															161	161	154	108														
32/31	2.8	4.4	.6															235	235	253	175														
30/29	1.9	4.9	.6															225	225	176	194														
28/27	1.4	5.4	.4															219	221	240	118														
26/25	1.6	5.0	.4															210	210	216	181														
24/23	1.8	4.1	.1															183	183	209	198														
22/21	1.1	4.1	.0															157	157	178	194														
20/19	1.4	3.4																146	146	142	134														
18/17	1.3	2.5	.1															118	119	144	185														
16/15	1.5	2.7																129	129	120	122														
14/13	1.1	2.3	.0															105	105	128	145														
12/11	.9	2.4	.1															104	104	94	93														
10/9	1.1	2.2	.0															104	101	107	106														
8/7	.8	2.1																87	89	90	87														
6/5	.9	1.5																70	71	82	102														
4/3	.8	1.2																60	61	65	90														
2/1	1.2	.7																59	61	69	70														
0/-1	1.2	.6																52	53	46	67														
-2/-3	1.1	.6																53	53	57	62														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS JAN MONTH

PAGE 2 0600-0800 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
-4/-5	.6	.6																	37	38	40	65
-6/-7	.4	.3																	20	20	24	57
-8/-9	.5	.2																	19	19	18	39
-10/-11	.2	.5																	20	20	21	38
-12/-13	.2	.1																	10	10	11	22
-14/-15	.0	.1																	3	3	5	17
-16/-17																						12
-18/-19																						14
-20/-21																						14
-22/-23																						24
-24/-25																						4
-26/-27																						3
-28/-29																						1
-30/-31																						1
-36/-37																						4
-38/-39																						1
-40/-41																						2
TOTAL	32.1	62.8	5.1	.2																3026	3026	3026
																				3026		3026

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel Hum.	20613898	24705	81.711	833	3023	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2014321	67409	22.293	067	3028	6.6	74.5					93
Wet Bulb	1865790	64382	21.262	840	3026	6.8	77.9					93
Dew Point	1614887	52627	17.405	207	3026	13.7	81.2					93

USAF ETAC FORM 0-26 5 (O.L.A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70

JAN  
 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
68/ 67			.0															1	1		
66/ 65		.0	.0															2	2		
64/ 63			.0															1	1	2	
62/ 61		.1	.0															4	4	2	2
60/ 59		.1	.1	.0														7	7	4	4
58/ 57	.1	.2	.1															11	11	9	9
56/ 55	.1	.3	.1															14	14	11	8
54/ 53	.1	.2	.1															12	12	10	5
52/ 51	.2	.2	.1	.0														15	15	19	18
50/ 49	.2	.3	.1	.1														24	24	16	20
48/ 47	.3	.3	.1	.1	.1													28	28	20	16
46/ 45	.2	.5	.3	.2														37	37	24	22
44/ 43	.5	.5	.3	.6	.1	.0												63	63	41	31
42/ 41	.4	.3	.7	.4	.1													59	59	41	29
40/ 39	1.2	.7	1.2	.5	.1													114	114	71	57
38/ 37	1.1	1.9	2.0	.4	.1													173	173	111	67
36/ 35	1.1	2.5	1.8	.4	.1													187	187	156	74
34/ 33	1.3	3.6	1.9	.3														221	221	204	130
32/ 31	1.7	4.6	1.7	.0	.0													254	254	279	209
30/ 29	.8	5.8	1.3	.1														252	252	249	214
28/ 27	.6	4.6	.8	.1														191	191	248	145
26/ 25	.9	4.7	.9															205	205	200	229
24/ 23	.8	3.7	.9	.0														173	173	203	234
22/ 21	.6	3.8	.3	.0														153	153	162	170
20/ 19	.5	3.0	.5															127	127	149	139
18/ 17	.3	2.4	.6	.0														107	108	120	148
16/ 15	.3	3.0	.3															114	114	108	120
14/ 13	.5	2.1	.2															87	87	119	121
12/ 11	.4	2.0	.1															106	107	104	94
10/ 9	.6	2.4	.0															95	96	108	101
8/ 7	.5	1.8	.1															75	75	82	104
6/ 5	.6	1.0	.0															52	52	75	91
4/ 3	.5	1.2																55	55	55	105
2/ 1	.3	.8																36	36	38	100
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Near 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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS JAN MONTH

PAGE 2 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
0/ -1	.3	.5																27	27	32	68
-2/ -3	.3	.6																27	27	28	44
-4/ -5	.1	.5																18	18	23	46
-6/ -7	.1	.3																13	13	13	38
-8/ -9	.2	.2																14	14	14	34
-10/-11																				4	21
-12/-13		.1																2	2		16
-14/-15		.0																1	1	3	11
-16/-17																					14
-18/-19																					20
-20/-21																					14
-22/-23																					10
-26/-27																					2
-28/-29																					3
TOTAL	17.6	61.8	16.7	3.4	.0	.0												3157	3160	3157	3157
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum	19416993	243643	77.2	13.945	3157	≤ 0 F	≤ 32 F	+ 67 F	+ 73 F	+ 80 F	- 93 F	Total									
Dry Bulb	2607642	81644	25.8	12.583	3160	3.0	64.4	.0				93									
Wet Bulb	2322998	76450	24.2	12.225	3157	3.4	71.2					93									
Dew Point	1876199	61345	19.4	14.723	3157	10.0	78.5					93									

USAFETAC FORM 0-26-5 (CL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 27-70 YEARS

JAN 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
68/ 67				.0														1	1		
66/ 65		.1	.1	.1														7	7		
64/ 63		.0	.1	.1														6	6	3	
62/ 61		.1	.1	.1														7	7	3	
60/ 59		.1	.3	.0														12	12	11	
58/ 57	.0	.1	.2		.1	.0												13	13	8	
56/ 55	.1	.2	.2	.0		.1												20	20	17	
54/ 53	.1	.2	.1	.1	.2	.0												27	27	15	
52/ 51	.3	.3	.2	.2	.4	.1												44	44	29	
50/ 49	.2	.2	.1	.3	.3	.1												50	50	24	
48/ 47	.1	.2	.3	.3	.3	.2	.1											61	61	33	
46/ 45	.1	.2	.3	.6	.5	.3												85	85	42	
44/ 43	.3	.5	.9	1.1	.4	.1												105	105	63	
42/ 41	.5	.8	.8	.9	.5	.0												111	111	83	
40/ 39	1.0	1.3	1.5	.9	.3	.1												162	162	119	
38/ 37	.8	1.6	1.6	1.4	.1													172	172	161	
36/ 35	.7	2.9	2.4	.8	.1													219	219	193	
34/ 33	1.3	3.7	2.0	.5	.1													239	239	225	
32/ 31	1.6	3.4	2.2	.4	.0													243	243	301	
30/ 29	.4	3.7	2.7	.2														222	222	208	
28/ 27	.3	4.1	1.8	.3														206	206	249	
26/ 25	.8	2.6	1.6	.1														159	160	224	
24/ 23	.4	3.1	1.6	.2														169	169	152	
22/ 21	.1	2.4	1.2	.0														119	119	152	
20/ 19	.1	2.5	.9	.0														114	114	135	
18/ 17	.2	2.5	.9															114	114	116	
16/ 15	.1	2.2	.4															85	85	129	
14/ 13	.1	1.9	.3															76	76	88	
12/ 11	.3	2.2	.3															90	90	92	
10/ 9	.3	1.5	.2															61	61	92	
8/ 7	.3	1.5	.1															58	58	58	
6/ 5	.1	.8	.0															31	31	50	
4/ 3		.6																20	20	21	
2/ 1		.6																18	18	23	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 JAN  
 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				
	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
0/-1		.1	.2															10	10	15	47
-2/-3		.1	.3															11	11	9	35
-4/-5			.2															5	5	7	31
-6/-7			.1															2	2	4	21
-8/-9		.0																1	1	1	25
-10/-11																					16
-12/-13			.1															3	3	3	20
-14/-15																					10
-16/-17																					9
-18/-19																					3
-20/-21																					4
-22/-23																					4
-24/-25																					3
-26/-27																					2
-28/-29																					2
-40/-41																					1
TOTAL	11.0	49.8	25.8	8.9	3.4	.9	.1											3158	3159	3158	3158

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	< 67 F	≥ 73 F	< 80 F	< 93 F	
Rel. Hum.	17516211	229705	72.8	15.944	3157							
Dry Bulb	3270949	93969	29.7	12.273	3159	.9	53.5	.0				93
Wet Bulb	2783718	86268	27.3	11.631	3158	1.1	62.7					93
Dew Point	2116393	68209	21.6	14.275	3158	6.9	73.9					93

USAFETAC FORM 0-26 5 (OL A) 3/5 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 JAN  
 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
66/ 65		.1																3	3		
64/ 63			.1	.1														6	6	3	1
62/ 61		.0	.1	.0														6	6	2	2
60/ 59		.1	.2	.0														11	11	4	3
58/ 57	.0	.1	.2	.1		.0												13	13	12	6
56/ 55	.0	.1	.1	.0	.0	.0												12	12	13	8
54/ 53	.1	.3	.1	.0	.1													20	20	16	17
52/ 51	.2	.5	.1	.2	.1	.0												35	35	21	17
50/ 49	.3	.5	.3	.2	.1	.0												45	45	34	31
48/ 47	.2	.3	.3	.3	.2	.0	.0											42	42	19	27
46/ 45	.4	.3	.6	.6	.3	.1												72	72	48	26
44/ 43	.4	.6	.8	.5	.3	.1												85	85	49	26
42/ 41	.6	1.0	1.0	.8	.3	.1												115	115	79	48
40/ 39	.8	1.3	1.6	.6	.3	.0												148	148	102	64
38/ 37	.7	2.2	2.2	1.0	.1													197	197	144	92
36/ 35	.9	3.4	1.9	.7	.0													219	219	190	106
34/ 33	1.7	3.9	2.4	.6														270	271	261	171
32/ 31	1.7	3.8	2.0	.3														244	244	293	223
30/ 29	.7	4.9	2.4	.3	.0													263	263	262	236
28/ 27	.3	3.7	1.2	.1														168	168	241	164
26/ 25	.7	3.4	1.5	.3														184	184	204	221
24/ 23	.1	3.0	1.1	.1														138	138	152	213
22/ 21	.4	2.8	1.1	.0														139	139	147	174
20/ 19	.3	2.6	.8															116	116	155	132
18/ 17	.4	2.3	.9	.0														116	116	115	129
16/ 15	.1	2.6	.3															94	94	100	124
14/ 13	.3	2.0	.3															82	82	114	122
12/ 11	.3	2.1	.3															86	86	87	96
10/ 9	.3	1.6	.3															68	68	92	82
8/ 7	.3	1.6	.0															59	59	67	101
6/ 5	.1	.8																27	27	39	115
4/ 3	.1	.8																27	27	29	83
2/ 1	.1	.3																13	13	21	70
0/ -1	.1	.3																15	15	15	53
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 Jul 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHAMITE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS JAN 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
-2/-3	.1	.1																6	6	14	74
-4/-5		.1																4	4	3	28
-6/-7			.1															2	2	3	28
-8/-9	.1																	3	3	3	18
-10/-11																					20
-12/-13		.1																3	3	3	19
-14/-15																					9
-16/-17																					11
-18/-19																					3
-20/-21																					1
-22/-23																					5
-24/-25																					1
-26/-27																					3
-30/-31																					1
-34/-35																					1
-40/-41																					1
TOTAL	12.7	53.7	24.2	7.0	1.0	.4	.0											3156	3157	3156	3156

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	18479052	236488	75.0	15.448	3154	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3130936	92068	29.2	11.887	3157	1.0	54.7					93
Wet Bulb	2715904	83286	27.0	11.416	3156	1.2	63.6					93
Dew Point	2124324	68756	21.8	14.090	3156	6.7	74.0					93

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 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																
68/ 67	.0																															1	1	1	1	
62/ 61		.1																															3	3		
60/ 59			.1		.2																											8	8	3	3	
58/ 57	.1	.2	.2																													13	13	7	4	
56/ 55	.0	.1	.1																													7	7	11	7	
54/ 53		.1																														4	4	9	5	
52/ 51	.1	.2	.0																													10	10	8	10	
50/ 49	.3	.3	.2																													33	33	21	21	
48/ 47	.3	.3																														18	18	28	26	
46/ 45	.5	.5	.1	.1																												37	37	31	28	
44/ 43	.3	.5	.5	.2																												47	47	31	28	
42/ 41	.5	.7	.5	.2																												54	54	30	32	
40/ 39	.7	1.0	1.1	.2																												113	114	77	43	
38/ 37	.7	2.1	1.3	.2	.0																											136	136	97	63	
36/ 35	1.2	3.2	1.6	.4																												199	199	146	102	
34/ 33	1.9	5.0	2.5	.2																												302	303	219	146	
32/ 31	1.7	5.2	2.2	.0																												289	289	295	212	
30/ 29	1.5	6.5	1.3	.1																												293	294	312	217	
28/ 27	.7	4.9	.7	.0																												203	204	289	191	
26/ 25	1.1	3.0	.6																													167	167	214	255	
24/ 23	.7	4.0	.5	.0																												163	164	166	239	
22/ 21	.5	3.1	.6	.0																												127	127	137	190	
20/ 19	.2	3.9	.3																													137	137	123	110	
18/ 17	.5	2.5	.2																													102	102	140	119	
16/ 15	.4	2.4	.2																													96	96	110	114	
14/ 13	.5	2.1	.1																													86	87	96	118	
12/ 11	.8	3.5	.2																													141	142	117	125	
10/ 9	.8	2.5	.0																													104	104	126	87	
8/ 7	.5	1.5																														65	65	91	90	
6/ 5	.7	1.4	.1																													66	66	70	111	
4/ 3	.3	.7																														31	31	43	80	
2/ 1	.3	.6																														29	29	31	94	
0/ -1	.4	.4																														27	27	28	62	
-2/ -3	.2	.3																														13	13	21	31	
Element (X)	ΣX²	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with temperature										Total																				
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 83 F																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS JAN 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	.2	.2																		12	12	18	53
-6/-7		.1																		4	4	1	27
-8/-9			.1																	2	2	4	12
-10/-11	.1	.0																		6	4	5	28
-12/-13		.1																		3	3		13
-14/-15																						3	21
-16/-17																							9
-18/-19																							7
-20/-21																							3
-22/-23																							4
-24/-25																							2
-26/-27																							2
-28/-29																							2
-30/-31																							1
-32/-33																							1
TOTAL	18,565	014.7	1.7	.9																3154	3161	3154	
																					3154	3154	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	$\leq 0 F$	$\leq 32 F$	$\leq 57 F$	$\leq 73 F$	$> 80 F$	$> 93 F$						
Dry Bulb	20362984	250075	79.313	11.027	3154	2.1	64.0	.0				93
Wet Bulb	2601502	82660	26.111	11.799	3154	2.4	71.8	.0				93
Dew Point	1932822	64357	20.414	14.018	3154	8.2	77.7	.0				93

USAFETAC FORM 0-26-5 (JL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 JAN  
STATION STATION NAME YEARS 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																	
64/ 63			.0																														1	1			
62/ 61		.1																																2	2	1	
60/ 59		.1	.1	.1																														7	7	2	2
58/ 57		.1	.0	.0																														6	6	4	4
56/ 55		.1	.1																															6	6	8	5
54/ 53		.2	.1	.0																														10	10		2
52/ 51	.1	.2	.1																															11	11	12	10
50/ 49	.4	.5	.0																															31	31	28	25
48/ 47	.4	.2	.0																															18	18	26	25
46/ 45	.3	.3	.1	.0																														21	21	14	19
44/ 43	.3	.5	.2	.1																														33	33	27	17
42/ 41	.6	.9	.2	.1																														56	56	41	38
40/ 39	1.1	.9	.7	.1																														88	88	72	50
38/ 37	.8	1.4	.9	.0																														99	99	65	61
36/ 35	1.1	3.1	.8	.1																														160	160	112	73
34/ 33	1.5	4.4	1.2	.1																														250	250	191	131
32/ 31	2.1	5.6	1.7																															295	295	268	190
30/ 29	1.8	3.7	1.1																															273	273	204	216
28/ 27	1.0	5.8	.4																															229	229	271	185
26/ 25	1.1	4.6	.4																															196	196	227	215
24/ 23	1.0	3.9	.3																															163	163	184	241
22/ 21	.7	3.8	.3																															155	155	148	196
20/ 19	.7	3.2	.1																															126	126	156	135
18/ 17	.6	3.0	.2																															122	122	129	139
16/ 15	.8	2.2	.2																															101	102	107	121
14/ 13	.9	2.4	.1																															106	108	113	109
12/ 11	.8	2.4	.0																															104	104	106	119
10/ 9	1.0	2.5	.2																															116	117	113	115
8/ 7	.5	2.0																																79	80	98	89
6/ 5	1.2	1.3																																80	82	92	85
4/ 3	.7	1.1																																56	56	59	80
2/ 1	.4	1.0																																46	46	46	99
0/ -1	.7	.7																																43	43	53	86
-2/ -3	.4	.2																																20	20	24	36
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ	Σ	Σ	No. Obs.										Mean No. of Hours with Temperature					Total													
Rel. Hum.																			< 0 F	< 32 F	< 67 F	> 73 F	> 80 F	> 93 F													
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 34 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 27-70 JAN  
STATION STATION NAME YEARS MONTH

PAGE 2 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														
-4/-5	.2	.5																21	21	19	53														
-6/-7	.3	.1																10	10	16	47														
-8/-9	.0	.1																5	5	3	27														
-10/-11		.1																4	4	5	15														
-12/-13	.1	.1																5	5	5	20														
-14/-15																				1	20														
-16/-17																					13														
-18/-19																					13														
-20/-21																					7														
-22/-23																					4														
-24/-25																					4														
-26/-27																					3														
-30/-31																					1														
-34/-25																					1														
TOTAL	23.6	65.5	10.2	.6														3154	3161	3154	3152														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum.	21021304	254562	80.7	12.279	3154							
Dry Bulb	2370161	77487	24.5	12.204	3161	3.2	69.5					93
Wet Bulb	2167510	73566	23.3	11.968	3154	3.7	75.1					93
Dew Point	1818567	60865	19.3	14.288	3152	10.3	79.4					93

USAFETAC FORM 0-26-5 (OL A) JAN 64  
 ENTER PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-66 FEB  
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
-6/-7		.2															9	5	5	19
-8/-9																				17
-10/-11		.1	.1														5	6	6	6
-12/-13			.0														1	1	1	10
-14/-15																				5
-16/-17																				6
-18/-19																				6
-24/-25																				2
-26/-27																				1
TOTAL	22.1	65.5	11.2	1.0	.1												2314	2315	2314	2314

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	15086009	188615	81.6	11.367	2312							
Dry Bulb	1940598	62058	26.4	10.941	2315	1.4	58.3					84
Wet Bulb	1768129	58983	25.5	10.697	2314	1.8	64.1					84
Dew Point	1469550	50436	21.8	12.658	2314	5.7	70.9					84

USAFETAC FORM 0-26 5 (OL A) 1-54 REUSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-63 FEB  
STATION 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													
60/ 59			.2																												4	4	2		
58/ 57			.2																												5	5	3		
56/ 55			.2	.0																										5	5	5			
54/ 53	.1		.2	.1																										10	10	5			
52/ 51			.2	.2	.0																									9	9	8			
50/ 49	.1		.2	.2																										9	9	8			
48/ 47	.2		.4	.3																										20	20	7			
46/ 45	.4		.4	.1																										19	19	21			
44/ 43	.4		.7	.2																										27	27	17			
42/ 41	.4		.7	.2	.0																									32	32	36			
40/ 39	.8	1.3	.2	.1																										54	54	36			
38/ 37	.8	1.4	.9	.2																										75	75	44			
36/ 35	1.1	3.7	1.0	.0																										133	133	44			
34/ 33	1.7	6.7	1.3																											222	222	102			
32/ 31	2.2	6.0	1.2	.1																										219	219	173			
30/ 29	2.5	5.6	1.2	.1																										217	217	195			
28/ 27	2.0	4.9	.6	.1																										176	176	153			
26/ 25	1.4	6.4	.2																											184	184	173			
24/ 23	1.3	4.4	.3																											135	135	162			
22/ 21	1.3	3.9	.0																											119	119	147			
20/ 19	1.1	3.0	.0																											113	113	96			
18/ 17	.5	2.2																												63	63	149			
16/ 15	1.1	2.3	.0																											77	77	110			
14/ 13	.8	1.8	.0																											60	60	93			
12/ 11	.3	1.9	.0																											52	52	81			
10/ 9	.7	1.4	.1																											48	48	47			
8/ 7	.5	1.0																												35	35	40			
6/ 5	.5	.8																												29	29	51			
4/ 3	.8	1.3																												48	49	53			
2/ 1	.5	.7																												28	28	40			
0/ -1	.5	.1																												15	15	44			
-2/ -3	.2	.3																												11	11	25			
-4/ -5	.3	.2																												12	12	30			
-6/ -7	.2	.1																												12	12	17			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>X</sub>		No. Obs.		Mean No. of Hours with Temperature							Total																	
Ref. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 90 F	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (CL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-63 YEARS FEB MONTH  
 PAGE 2 0360-0900 HOUR, U.S.

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
-8/-9	.1	.2															5	6	5	20
-10/-11	.1	.0															4	4	4	11
-12/-13																			1	12
-14/-15																				8
-16/-17																				10
-18/-19																				2
-20/-21																				4
-22/-23																				3
TOTAL	24,906.0	8.4	.7														2285	2286	2285	2285

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$> 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Rel. Hum	15760751	188011	82.3	11.289	2285							84
Dry Bulb	1815017	59049	25.8	11.260	2286	2.1	61.1					84
Wet Bulb	1668104	56336	24.7	11.055	2285	2.4	66.9					84
Dew Point	1403474	48154	21.1	10.078	2285	6.9	71.7					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF EYAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOL 37-70 FEB  
 STATION STATION NAME YEARS 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
62/61			.0															1	1		
60/58		.1																3	3	1	
58/57		.3	.0															9	9	2	
56/55	.0	.1																5	5	9	
54/53	.1	.3	.0															10	10	5	
52/51		.1	.1															7	7	6	
50/49	.2	.2	.1															12	12	13	
48/47	.2	.3	.1	.0														20	20	11	
46/45	.2	.4	.1															21	21	14	
44/43	.5	.6	.1	.0														36	36	25	
42/41	.3	.6	.2	.1														33	33	29	
40/39	.8	1.0	.7	.0														68	68	46	
38/37	.9	1.2	.7	.1														79	79	52	
36/35	.9	3.4	1.2	.1														154	154	47	
34/33	2.4	5.8	1.2	.1														261	261	123	
32/31	1.7	5.9	.9	.1														239	239	197	
30/29	1.2	5.6	1.0	.2														221	221	187	
28/27	1.6	7.0	.8															258	258	150	
26/25	1.2	5.3	1.0	.1	.0													211	211	190	
24/23	.9	5.2	.4	.0														179	179	216	
22/21	.7	3.7	.1															123	123	193	
20/19	1.0	3.9	.3															145	145	117	
18/17	.8	2.6	.1															96	96	164	
16/15	.8	2.5	.1															94	94	154	
14/13	1.0	2.0	.0															85	85	120	
12/11	.6	2.2																76	76	100	
10/9	.6	2.1	.0															75	75	72	
8/7	.4	1.2																44	44	77	
6/5	.5	.9																40	40	76	
4/3	.7	.9																44	45	54	
2/1	.6	.7																37	37	59	
0/-1	.3	.7																27	27	56	
-2/-3	.4	.3																18	18	32	
-4/-5	.1	.3																10	10	48	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
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 (9L A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS FEB MONTH

PAGE 2 0600-0800 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
-6/-7	.1	.2																9	8	10	23
-8/-9	.2	.2																10	10	13	19
-10/-11	.1	.1																5	5	5	16
-12/-13																				1	16
-14/-15																					8
-16/-17																					10
-18/-19																					9
-20/-21																					7
-22/-23																					4
TOTAL	21.9	68.0	9.2	.9	.0														2765		2764
																		2764			2764

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	18500612	223854	81.0	11.582	2764							
Dry Bulb	2116584	69778	25.2	11.363	2765	2.4	62.2					84
Wet Bulb	1933127	66307	24.0	11.138	2764	7.8	67.3					84
Dew Point	1599872	55566	20.1	13.216	2764	7.5	72.4					84

USAFETAC FORM C-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTHOL STATION NAME 37-70 YEARS

FEB 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
68/ 67				.0	.0													2	2	
66/ 65				.0														1	1	
64/ 63			.0	.0	.0													3	3	
62/ 61		.0	.0	.0	.0	.0												4	4	2
60/ 59		.0	.0	.1	.0													5	5	4
58/ 57		.1	.1	.1	.1	.0												10	10	2
56/ 55		.1	.1	.1	.0													12	12	7
54/ 53	.0	.3	.1	.1	.1													20	20	17
52/ 51	.1	.2	.3	.1	.1													26	26	15
50/ 49	.2	.3	.2	.2	.2													30	30	21
48/ 47	.2	.3	.2	.4	.4		.0											47	47	25
46/ 45	.3	.5	.4	.6	.2	.1												57	57	37
44/ 43	.4	.6	1.0	.6	.3													85	85	49
42/ 41	.6	.7	.9	1.1	.2													100	100	68
40/ 39	.6	1.0	1.7	1.0	.3													135	135	94
38/ 37	.9	1.8	2.1	1.1	.1													174	174	118
36/ 35	.9	2.8	2.7	.9	.0													212	212	190
34/ 33	1.0	4.9	2.4	.8														278	278	241
32/ 31	.9	4.4	3.2	.4	.0													255	255	281
30/ 29	.8	5.0	2.5	.6														256	256	249
28/ 27	.6	4.0	2.5	.1														207	207	281
26/ 25	.3	3.4	1.2	.1														144	145	200
24/ 23	.6	3.1	1.3	.1														145	149	169
22/ 21	.2	2.6	1.1	.0														116	116	139
20/ 19	.3	3.0	.8															115	115	123
18/ 17	.2	2.5	.5															92	92	125
16/ 15	.2	1.7	.2															61	61	94
14/ 13	.3	1.8	.3															68	68	62
12/ 11	.4	1.4	.2															55	55	65
10/ 9	.3	1.2	.0															46	46	58
8/ 7	.1	1.0																31	32	36
6/ 5	.2	.6																23	23	36
4/ 3	.1	.5																15	15	23
2/ 1	.2	.4																16	16	13
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUE AFB ILLINOIS/RANTOUL 37-70 FEB  
STATION STATION NAME YEARS MONTH  
 PAGE 2 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			
0/-1	.2	.3																	17	17	20	43		
-2/-3	.1	.1																	6	6	6	28		
-4/-5	.1	.1																	4	4	7	29		
-6/-7	.0	.0																	2	2	2	22		
-8/-9	.0	.0																	2	2	1	21		
-10/-11																					1	10		
-12/-13																						8		
-14/-15																						2		
-16/-17																						9		
-18/-19																						3		
-22/-23																						1		
TOTAL	12.0	50.8	26.0	8.7	2.3	.1	.0													2877		2877		
																			2877		2877			
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total													
Rel. Hum	16474349	213731	74.3	14.335	2876	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	84												
Dry Bulb	2896136	85528	29.7	11.111	2879	.9	49.0	.1				84												
Wet Bulb	2482827	78922	27.4	10.528	2877	1.1	58.1					84												
Dew Point	1876760	63844	22.2	12.646	2877	5.1	68.8					84												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTHUL STATION NAME 37-70 YEARS FEB MONTH

PAGE 1 1200-1400 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				
68/ 67			.0	.1	.0													5	5						
66/ 65			.0	.2	.0													6	6						
64/ 63			.0	.2	.0		.1											10	10	2					
62/ 61		.1	.0	.1	.2	.0	.1											15	15	4	1				
60/ 59		.0	.1	.1	.3	.1		.0										17	17	8	4				
58/ 57		.1	.0	.2	.1	.3												23	23	10	4				
56/ 55	.0	.2	.1	.1	.2	.2	.1											27	27	11	7				
54/ 53	.1	.3	.2	.3	.6	.2	.1	.0										54	54	25	23				
52/ 51	.1	.2	.2	.3	.5	.5	.1											58	58	27	16				
50/ 49	.1	.3	.3	.3	.7	.2												63	63	30	13				
48/ 47	.2	.1	.3	.7	.9	.2												78	78	54	30				
46/ 45	.3	.5	.6	1.2	1.2	.2												118	118	58	33				
44/ 43	.1	.6	.8	1.2	.8	.2												106	106	73	35				
42/ 41	.3	.6	1.2	1.6	.7	.1												127	127	111	49				
40/ 39	.4	1.5	2.2	1.9	.8													196	196	127	61				
38/ 37	.5	2.0	1.9	1.8	.3													191	191	188	95				
36/ 35	.7	2.6	2.4	1.6	.2													217	217	228	120				
34/ 33	.8	4.2	2.6	1.2	.2													264	264	234	183				
32/ 31	1.0	3.1	3.1	1.4	.2													251	251	293	214				
30/ 29	.4	3.2	2.6	1.5	.1													226	226	233	225				
28/ 27	.3	2.8	2.3	.4														176	176	238	184				
26/ 25	.1	2.0	1.7	.3														121	121	201	233				
24/ 23	.4	1.7	1.7	.2														117	117	163	185				
22/ 21	.2	1.8	1.7															109	109	116	181				
20/ 19	.2	1.6	.8															74	74	120	119				
18/ 17	.1	1.3	.3															48	48	92	153				
16/ 15	.1	.9	.4															41	41	54	101				
14/ 13	.1	1.3	.3															50	50	39	123				
12/ 11	.1	.8	.3															34	34	49	107				
10/ 9	.0	.5																15	15	37	80				
8/ 7	.0	.4																13	13	17	67				
6/ 5		.5																13	13	13	54				
4/ 3		.2																5	5	8	47				
2/ 1	.1	.2																10	10	13	39				
Element (X)	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	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 7-64 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS FEB MONTH 1200-1400 HOURS (L. S. T.)

PAGE 2

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	
0/-1	.0	.0																2	2	4	29	
-2/-3																					14	
-4/-5																					21	
-6/-7																					15	
-8/-9																					8	
-10/-11																					5	
-12/-13																					4	
-14/-15																					4	
-20/-21																					1	
TOTAL	7.2	36.0	28.8	16.9	8.3	2.3	.5	.1												2880	2880	2880

USAFETAC FORM 04 JUL 64 26-5 (JL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Rel. Hum	14517450	199078	69.116	208	2880							
Dry Bulb	3654489	97461	33.811	125	2880	.1	38.1	.1				84
Wet Bulb	2976499	87893	30.510	107	2880	.1	49.3					84
Dew Point	213669	69699	24.202	176	2880	2.9	64.5					84

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/PA/MIJUL STATION STATION NAME

27-70

YE/RS

FEP MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE SUPPRESSION (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																		
68/ 67			.0	.1																												3	3							
66/ 65			.0	.1	.0																											4	4							
64/ 63		.0	.1	.1	.0					.0	.0																					9	9		2					
62/ 61			.1	.0	.0		.0			.0																						6	6		3					
60/ 59		.0	.1	.2	.1	.1				.0																						15	15		9					
58/ 57		.1	.2	.1	.3	.1	.0																									23	23		6					
56/ 55	.1	.1	.2	.1	.2	.1	.3			.0																						35	35		12					
54/ 53	.1	.2	.1	.3	.4	.1	.3	.0																								46	46		23					
52/ 51	.2	.2	.4	.5	.1	.5	.1																									98	50		30					
50/ 49	.1	.5	.5	.7	.6	.1																										71	71		28					
48/ 47	.1	.4	.4	1.2	.5	.2																										79	79		50					
46/ 45	.4	.6	.7	.9	.8	.1																										98	98		29					
44/ 43	.2	.4	.9	1.4	.8	.1																										108	108		98					
42/ 41	.2	.9	1.7	1.6	.5																											142	142		93					
40/ 39	.6	1.3	2.4	1.2	.9	.0																										173	173		129					
38/ 37	.5	1.9	1.9	1.5	.5																											152	182		199					
36/ 35	.8	3.4	2.9	1.9	.2																											256	256		203					
34/ 33	1.6	3.6	3.3	1.0	.1																											276	276		274					
32/ 31	.9	3.2	2.9	1.2	.3																											245	245		272					
30/ 29	.4	3.5	3.2	.9	.1																											232	232		255					
28/ 27	.3	2.6	3.2	.2																												182	182		224					
26/ 25	.5	1.7	1.8	.4																												126	126		210					
24/ 23	.3	1.9	1.2																													101	101		160					
22/ 21	.0	1.9	1.6	.1																												102	102		119					
20/ 19	.2	2.0	1.0																													90	90		97					
18/ 17	.2	1.2	.6																													57	57		110					
16/ 15	.1	1.0	.4																													43	43		53					
14/ 13		1.1	.2																													37	37		44					
12/ 11	.0	.7	.0																													22	22		38					
10/ 9	.0	.6																														17	17		25					
8/ 7	.1	.6																														21	21		23					
6/ 5		.1																														3	3		14					
4/ 3	.0	.2																														6	6		5					
2/ 1	.1	.2																														9	9		2					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																																		
Rel. Hum.						< 0 F	- 32 F	> 47 F	> 73 F	> 80 F	> 93 F	Total																												
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 FEB  
 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
0/-1	.1	.0																3	3	5	13
-2/-3																					7
-4/-5																					23
-6/-7																					15
-8/-9																					14
-10/-11																					4
-12/-13																					2
-14/-15																					1
TOTAL	8.3	36.1	32.0	15.5	6.0	1.6	.4	.1	.0								2880	2880	2880	2880	
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	$\bar{x}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature					Total										
Rel. Hum.	15017604	202816	70.5	15.873	2873	< 0 F	< 32 F	< 67 F	< 73 F	> 80 F	> 93 F										
Dry Bulb	3619586	97266	33.8	10.780	2880	.1	37.8	.1				84									
Wet bulb	2984330	88222	30.6	9.903	2880	.1	46.5					84									
Dew Point	2165342	70972	24.6	12.026	2880	2.4	63.3					84									

USAFETAC FORM 0 26 S (DL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTHUL STATION NAME 37-70 YEARS

FEB 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																2	2	2	22
-6/-7		.0																	1	1	2	11
-8/-9																						21
-10/-11																						3
-12/-13																						3
-14/-15																						4
-16/-17																						3
TOTAL	10,538	926.0	3.7	.2														2880	2880	2880	2880	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum	17672240	222660	77.4	12.449	2878							
Dry Bulb	2388613	86455	30.0	10.093	2880	.3	49.0					84
Wet Bulb	2541212	80760	28.0	9.801	2880	.5	57.6					84
Dev Point	2010033	67927	23.6	1.882	2880	3.5	67.2					84

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 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.D.	Dry Bulb	Wet Bulb	Dew Point												
64/63		.0	.0																														2	2		
62/61		.1	.1																														6	6	1	
60/59		.1																															2	2	8	2
58/57					.0			.0																									2	2	1	7
56/55			.2	.0																													8	8	1	2
54/53	.0	.1	.2	.1																													11	11	7	2
52/51	.0	.1		.1																													8	8	9	8
50/49	.0	.2		.1																													18	18	12	9
48/47	.1	.8	.3	.1	.0																												39	39	21	16
46/45	.3	.3	.2	.2	.0																												32	32	38	34
44/43	.3	.6	.7	.1																													51	51	29	22
42/41	.7	.7	.7	.2																													66	66	47	42
40/39	.7	1.5	1.2	.2																													104	104	74	45
38/37	.5	2.2	1.2	.2																													124	124	94	48
36/35	1.2	4.3	2.4	.1																													229	229	146	95
34/33	1.4	5.9	1.9	.1																													268	268	257	146
32/31	1.1	6.4	2.4	.0																													286	286	268	247
30/29	.9	7.0	1.2	.1																													273	273	268	213
28/27	1.2	6.2	1.3																														250	250	323	188
26/25	.8	5.2	.5																														189	182	217	251
24/23	.5	4.3	.7																														159	159	178	232
22/21	.5	4.1	.2																														138	138	161	172
20/19	.8	3.8	.3																														140	140	158	121
18/17	.2	2.0	.1																														77	77	115	182
16/15	.3	2.3	.1																														78	78	74	127
14/13	.3	2.2	.1																														74	74	86	123
12/11	.3	1.1	.1																														44	44	68	93
10/9	.2	1.1																															38	38	38	63
8/7	.2	1.4																															47	48	45	79
6/5	.2	1.0																															35	36	35	52
4/3	.3	.8																															32	32	38	47
2/1	.3	.3																															23	23	30	50
0/-1	.2	.3																															14	14	16	33
-2/-3	.1	.0																															3	3	8	31
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature																											
Rel. Hum.									$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																					
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 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		
-4/-5		.1																2	2	2	32		
-6/-7	.0	.0																2	2	1	22		
-8/-9	.1	.0																3	3	4	16		
-10/-11																					13		
-12/-13	.0																	1	1	1	5		
-14/-15																					3		
-16/-17																					1		
-18/-19																					1		
-20/-21																					1		
-24/-25																					1		
TOTAL	14.4	67.3	16.5	1.7	.1	.0												2879	2880	2879	2617		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel Hum	18632471	229265	72.7	11.324	2878							
Dry Bulb	2546955	80501	28.0	10.490	2880	.7	55.7					84
Wet Bulb	2298004	75876	26.4	10.180	2879	.9	62.3					84
Dew Point	1856312	64316	22.3	12.073	2879	4.7	70.1					84

USAFETAC FORM 0-26-5 (CL A) JUL 64 REVISD: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-64 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	
0/-1	.1	.1																4	4	3	8	
-2/-3	.1																	3	3	5	5	
-4/-5	.6																	1	1	1	5	
-6/-7																					6	
-8/-9																					2	
-10/-11																					5	
TOTAL	13.5	58.8	23.2	4.1	.8	.2											2532	2532	2532	2532		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	Nc. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	> 73 F	> 80 F	≤ 93 F	
Rel. Hum.	17162120	206708	81.6	10.645	2532							
Dry Bulb	3297427	87153	34.4	10.843	2532	.3	42.4	.1				92
Wet Bulb	2953340	82364	32.5	10.435	2532	.3	50.3					93
Dew Point	2504611	74003	29.2	11.616	2532	1.1	59.9					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/STANTON 17-63 MAP  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0300-0300  
 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/ 65			.1															2	2		
64/ 63		.0	.0															2	2		
62/ 61		.3		.0														9	9	5	2
60/ 59	.0	.2	.1	.0														9	9	9	10
58/ 57		.3	.2	.2														23	23	11	8
56/ 55	.2	.6	.4	.2	.0													17	37	20	19
54/ 53	.1	.9	.5	.3														45	45	29	18
52/ 51	.4	.8	.4	.2														43	43	44	34
50/ 49	.4	.7	.4	.3														44	44	48	42
48/ 47	.6	1.3	.6	.1														63	63	51	40
46/ 45	.4	1.5	.7	.2														71	71	60	51
44/ 43	.7	2.5	.8	.2														106	106	78	80
42/ 41	.7	1.9	1.3	.2														101	101	111	61
40/ 39	.5	2.7	1.3	.1														117	117	83	102
38/ 37	1.0	2.9	1.2	.4														137	137	135	99
36/ 35	1.0	5.2	1.4	.2														196	196	148	109
34/ 33	1.1	5.1	2.0	.1														208	208	204	149
32/ 31	1.4	6.8	2.0	.0														256	256	218	190
30/ 29	1.0	7.2	1.3															239	239	248	211
28/ 27	.8	5.8	1.0															191	191	241	147
26/ 25	1.0	4.7	.4															154	154	201	193
24/ 23	.9	3.2	.6															120	121	146	206
22/ 21	.6	2.9	.3															97	97	114	180
20/ 19	.6	1.7	.1															59	59	89	91
18/ 17	.5	.9	.0															36	36	60	117
16/ 15	.4	.8																32	32	30	82
14/ 13	.1	.7																20	20	21	65
12/ 11	.5	.6																28	28	34	37
10/ 9	.6	.2																23	23	27	30
8/ 7	.2	.4																15	15	11	44
6/ 5	.0	.0																2	2	9	35
4/ 3		.0																1	1		13
2/ 1	.1	.2																9	9	8	10
0/ 1	.2																	4	4	6	6
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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																					

USAF ETAC FORM 0-26-5 (CL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 STATION      CHANUTE AFH ILLINOIS/RANTOUL      STATION NAME      37-63      YEARS

MAR  
 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
-2/-3	.3																	8	8	8	2
-4/-5	.1																	2	2	2	7
-6/-7																					10
-8/-9																					6
-10/-11																					3
TOTAL	16,563.2	17.1	2.9	.0															2510		2509
																		2509		2509	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	< 93 F	
Ref Hum.	17555124	208290	82.0	10.249	2509							
Dry Bulb	3014907	82689	32.9	10.766	2510	.5	68.1					93
Wet Bulb	2734069	78557	31.3	10.460	2509	.6	54.6					93
Daw Point	2344427	70813	28.2	1.751	2509	1.9	62.5					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS MAR 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
70/ 69				.0			.0										1	1		
68/ 67				.1	.0												1	1		
66/ 65			.1	.0		.0											4	4		
64/ 63		.2	.0	.1	.0	.1											12	12	2	
62/ 61		.2	.1	.0	.1	.0											12	12	8	5
60/ 59		.3	.0	.1	.0												14	14	8	10
58/ 57	.1	.3	.2	.2	.1												30	30	20	7
56/ 55	.2	.4	.4	.4			.0										42	42	29	27
54/ 53	.3	.7	.4	.3	.2												55	55	31	24
52/ 51	.3	.9	.4	.2	.1												58	58	57	29
50/ 49	.6	.8	.6	.3	.1												71	71	72	71
48/ 47	.4	1.0	.8	.3	.1												78	78	54	41
46/ 45	.4	1.2	.9	.4	.1												89	89	78	69
44/ 43	.6	1.3	1.0	.7													108	108	96	81
42/ 41	.6	2.0	1.3	.3	.1												126	126	89	77
40/ 39	.7	2.0	2.2	.3	.1												161	161	143	99
38/ 37	.9	2.8	1.7	.6	.1												183	183	160	114
36/ 35	.9	4.4	2.1	.6													242	242	176	125
34/ 33	1.4	5.1	2.7	.3													288	288	267	181
32/ 31	1.0	6.3	2.1	.2													292	292	299	246
30/ 29	.6	6.6	1.9	.1													279	279	295	244
28/ 27	.9	4.3	1.2														193	193	296	207
26/ 25	.8	3.8	.6														160	160	186	258
24/ 23	.6	2.8	.4														116	116	165	224
22/ 21	.5	2.9	.4														113	115	113	183
20/ 19	.8	1.3	.3														78	78	117	117
18/ 17	.4	1.6	.1														64	64	70	142
16/ 15	.3	.9	.0														39	39	62	102
14/ 13	.2	.7															26	26	29	87
12/ 11	.3	.3															25	25	30	49
10/ 9	.3	.4	.0														23	23	25	40
8/ 7	.4	.2															18	18	20	63
6/ 5	.2	.0															7	7	12	39
4/ 3	.1	.1															6	6	5	18
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature							Total				
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUIE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS MAR MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DISTRIBUTION (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		
2/ 1	.1	.2																9	9	7	16		
0/ -1	.1																	3	3	7	13		
-2/ -3	.1																	2	2	2	3		
-4/ -5	.2																	5	5	5	5		
-6/ -7	.0																	1	1	1	5		
-8/ -9																					6		
-10/-11																					3		
-12/-13																					2		
-16/-17																					1		
TOTAL	15.2	46.4	22.0	5.1	1.1	.1	.0	.0													3036	3036	
																		3036				3036	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	20188907	244997	80.7	11.650	3035							
Dry Bulb	3771936	101662	32.5	11.007	3036	.3	44.8	.1				93
Wet Bulb	3363702	95836	31.6	10.560	3036	.5	53.5					93
Dew Point	2810789	85031	28.0	11.893	3036	1.3	63.6					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUE AFB ILLINOIS/RANTOUL 37-70

YE/RS MAR MONTH

PAGE 2 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																																																																												
10/ 9	.1	.2																9	9	11	38																																																																												
8/ 7	.0	.1																4	4	8	37																																																																												
6/ 5	.1	.1																7	7	6	25																																																																												
4/ 3	.1	.0																3	3	5	17																																																																												
2/ 1	.0																	1	1	2	18																																																																												
0/ -1																					7																																																																												
-2/ -3																					4																																																																												
-4/ -5																					2																																																																												
-6/ -7																					1																																																																												
-8/ -9																					3																																																																												
-10/-11																					2																																																																												
-12/-13																					1																																																																												
TOTAL	7.1	29.3	29.8	17.9	8.5	4.3	1.7	1.0	.3	.1							3161	3161	3162	3161																																																																													
<table border="1"> <thead> <tr> <th>Element (X)</th> <th><math>\Sigma x^2</math></th> <th><math>\Sigma x</math></th> <th><math>\bar{x}</math></th> <th><math>\sigma_x</math></th> <th>No. Obs.</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>≤ 0 F</th> <th>≤ 32 F</th> <th>≥ 67 F</th> <th>≥ 73 F</th> <th>≥ 80 F</th> <th>≥ 93 F</th> <th></th> </tr> </thead> <tbody> <tr> <td>Rel Hum</td> <td>16353540</td> <td>221404</td> <td>70.616</td> <td>361</td> <td>3161</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>5414128</td> <td>125100</td> <td>39.614</td> <td>106</td> <td>3161</td> <td></td> <td>25.9</td> <td>2.0</td> <td>.4</td> <td></td> <td></td> <td>93</td> </tr> <tr> <td>Wet Bulb</td> <td>4460840</td> <td>112922</td> <td>35.710</td> <td>791</td> <td>3162</td> <td></td> <td>39.2</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> <tr> <td>Dew Point</td> <td>3309850</td> <td>96666</td> <td>29.912</td> <td>257</td> <td>3161</td> <td>.6</td> <td>57.8</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> </tbody> </table>																					Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Rel Hum	16353540	221404	70.616	361	3161								Dry Bulb	5414128	125100	39.614	106	3161		25.9	2.0	.4			93	Wet Bulb	4460840	112922	35.710	791	3162		39.2					93	Dew Point	3309850	96666	29.912	257	3161	.6	57.8					93
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																																																																																						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																																																																						
Rel Hum	16353540	221404	70.616	361	3161																																																																																												
Dry Bulb	5414128	125100	39.614	106	3161		25.9	2.0	.4			93																																																																																					
Wet Bulb	4460840	112922	35.710	791	3162		39.2					93																																																																																					
Dew Point	3309850	96666	29.912	257	3161	.6	57.8					93																																																																																					

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

17-70

MAR

PAGE 1 1200-1400  
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			
82/ 81											.0							1	1					
80/ 79								.1	.0	.1	.0			.1				9	9					
78/ 77								.1	.1	.1	.1	.0						15	15					
76/ 75								.1	.1	.1	.1	.0						15	15					
74/ 73				.1	.2	.4	.2	.2	.1	.2	.0			.0				36	36					
72/ 71				.1	.1	.1	.2	.3	.1	.2	.0							29	29					
70/ 69	.0		.1	.1	.1	.1	.2	.4	.2	.1								40	40	1	1			
68/ 67			.1	.2	.2	.2	.3	.3	.2	.1								51	51	3	3			
66/ 65	.0	.1	.2	.1	.3	.3	.3	.3	.1									52	53	20	3			
64/ 63		.1	.1	.2	.3	.3	.7	.2	.2	.0								64	64	18	9			
62/ 61	.0	.3	.2	.1	.3	.7	.4	.3	.1									74	74	39	13			
60/ 59	.1	.3	.2	.3	.4	.6	.4	.1	.1	.1								80	81	51	23			
58/ 57	.1	.6	.2	.4	.5	.6	.6	.2	.0									104	104	60	39			
56/ 55	.1	.6	.0	.3	.4	.7	.5	.1										102	102	95	38			
54/ 53	.2	.8	.3	.6	.6	.7	.4	.1										117	117	92	55			
52/ 51	.2	.7	.5	.5	.7	.9	.6	.0										125	125	134	70			
50/ 49	.3	.9	.4	.9	1.2	.8	.2											136	136	118	81			
48/ 47	.1	.7	.6	.9	1.1	1.1	.1											146	146	104	83			
46/ 45	.1	.4	.7	1.6	1.5	.7	.1											163	163	142	76			
44/ 43	.4	1.1	.7	1.2	1.6	.4												179	179	139	105			
42/ 41	.2	1.2	1.3	2.1	1.4	.3	.0											211	211	187	121			
40/ 39	.3	1.1	1.0	2.4	1.6	.0	.0											204	204	204	122			
38/ 37	.4	1.4	1.8	2.1	.8	.1												205	205	239	136			
36/ 35	.4	1.7	2.2	2.2	.4	.0												245	245	237	152			
34/ 33	.3	2.1	2.0	.7	.1													161	161	252	168			
32/ 31	.4	2.1	1.7	.9	.1													164	164	222	253			
30/ 29	.2	1.1	1.9	.5	.1													121	121	221	206			
28/ 27	.2	.9	1.2	.4														85	85	115	185			
26/ 25	.0	1.2	1.0	.1														75	75	114	253			
24/ 23	.2	1.0	.0															61	61	98	212			
22/ 21	.1	.7	.3															36	36	75	193			
20/ 19		.3	.3	.0														22	22	44	109			
18/ 17		.2	.2															12	12	18	130			
16/ 15	.1	.1	.1															9	9	18	51			
Element (X)	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Z <sub>X</sub>	Mean N. 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) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70

MAP  
MONTH

PAGE 2 1200-1400  
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															
14/ 13	.0	.2																7	7	9	66															
12/ 11		.0																1	1	8	40															
10/ 9	.1	.0																3	3	3	35															
8/ 7	.0																	1	1	2	21															
6/ 5																		1	1	1	24															
4/ 3																					19															
2/ 1																					4															
0/ -1																					8															
-2/ -3																					4															
-4/ -5																					2															
-8/ -9																					1															
TOTAL	4.6	21.4	21.7	19.2	13.6	8.8	5.3	2.6	1.5	.9	.2	.1	.1					3160			3159															
																		3159																		

Element (X)	$\Sigma X$	$\Sigma X^2$	$\Sigma X^3$	$\Sigma X^4$	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	1382965	200617	63.5	18.57	3159							
Dry Bulb	6027623	138759	43.9	13.00	3160		17.6	5.8	2.2	.1		93
Wet Bulb	5054092	121610	32.2	10.86	3159		30.0	.1				93
Dew Point	3554137	98579	31.2	12.30	3159	.4	54.8	.0				93

USAF ETAC FORM 0-26-5 (OLA) 01 64  
 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHARLE AFB ILLINOIS/RANDOL 37-70

MAR  
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														
80/ 79									.0		.0	.1		.1																			6	6		
78/ 77									.2		.1	.1	.0																				13	13		
76/ 75								.0	.1	.1	.1	.1																					17	17		
74/ 73						.1	.1	.0	.3	.1	.1	.2	.1																				20	20		
72/ 71					.2	.2	.1	.3	.1	.1	.1	.1	.0																				34	34		
70/ 69					.2	.3	.2	.2	.1	.4	.1																						47	47		1
68/ 67	.0	.0	.2	.2	.1	.1	.3	.3	.2	.1	.0																						46	46		4
66/ 65			.2	.2	.3	.3	.2	.4	.1																								48	48		14
64/ 63		.2	.3	.2	.2	.3	.6	.2	.1	.1																							70	70		36
62/ 61	.1	.4	.3	.2	.1	.5	.4	.3	.1																								76	76		39
60/ 59	.0	.4	.4	.3	.3	.8	.9	.3	.1	.1																							109	109		59
58/ 57	.1	.4	.2	.2	.5	.5	.5	.2	.0																								86	86		79
56/ 55	.2	.5	.3	.4	.4	.8	.6	.1	.1																								103	103		75
54/ 53	.2	.5	.5	.4	.7	.7	.3	.1																									110	110		86
52/ 51	.2	.7	.5	.9	1.1	1.1	.2	.0																									149	149		126
50/ 49	.3	.8	.6	1.1	1.1	.9	.2																										155	155		129
48/ 47	.2	.5	.6	.8	1.4	.9	.1																										140	140		111
46/ 45	.3	.7	.9	1.2	1.5	1.1	.1																										185	185		171
44/ 43	.2	.9	.9	1.8	1.2	.4																											171	171		157
42/ 41	.3	.7	1.0	2.3	1.4	.2	.1																										186	186		181
40/ 39	.4	.9	1.4	2.4	.9	.1	.0																										192	192		196
38/ 37	.3	1.1	1.5	2.3	.5	.0																											185	185		221
36/ 35	.4	2.2	3.4	1.7	.3																												258	258		239
34/ 33	.3	2.2	1.9	.8	.1																												167	167		258
32/ 31	.4	2.0	1.4	.6	.2																												148	148		291
30/ 29	.3	1.6	1.6	.4																													131	131		206
28/ 27	.1	.8	1.4	.3																													83	83		125
26/ 25	.1	.9	.9	.2																													67	67		102
24/ 23	.2	.9	.6																														53	53		92
22/ 21	.1	.7	.5																														41	41		63
20/ 19	.1	.6	.3																														32	32		47
18/ 17		.1	.1																														8	8		30
16/ 15		.1	.0																														4	4		12
14/ 13		.2	.0																														6	6		6
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total															
Rel Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC 8 JUN 54 0 26 5 (OL A) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 MAR  
STATION STATION NAME YEARS MONTH

PAGE 2 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		
12/ 11			.0															1	1	5	39		
10/ 9	.1	.0																4	4	4	31		
8/ 7																				1	24		
6/ 5																					22		
4/ 3																					13		
2/ 1																					9		
0/ -1																					4		
-2/ -3																					4		
-6/ -7																					1		
-8/ -9																					1		
TOTAL	4.9	21.2	22.1	19.4	13.2	9.1	4.9	2.4	1.5	.9	.3	.0	.1					3162	3162	3162	3162		
																		3162		3162			

Element (%)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	> 80 F	< 93 F	Total
Rel. Hum.	14020583	202219	64.0	18.553	3162							93
Dry Bulb	6687452	139575	44.1	12.905	3162		17.0	5.6	1.9	.1		93
Wet Bulb	5127430	122642	38.8	10.828	3162		28.9	.1				93
Dew Point	3636164	99992	31.6	12.247	3162	.3	54.3	.0				93

USAFETAC FORM 0 26 5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTJUL

37-70

YEARS

MAR  
 MONTH

PAGE 1 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	17-19	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
74/ 73						.0	.1											1	1																		
72/ 71						.1	.1											5	5																		
70/ 69				.1	.1	.1	.1		.0	.0								14	14																		
68/ 67		.0	.1	.1	.2	.1	.0	.1										14	18																		
66/ 65		.1	.1	.2	.2	.1	.1	.0										26	26	2																	
64/ 63		.1	.4	.2	.1	.2	.1	.0										36	36	9	2																
62/ 61		.3	.2	.3	.2	.2	.1											38	38	19	5																
60/ 59	.1	.5	.4	.5	.2	.2	.0											59	59	45	22																
58/ 57	.1	.5	.4	.4	.6	.3	.0											75	75	50	42																
56/ 55	.2	.7	.6	.5	.5	.1	.0	.0										85	85	53	43																
54/ 53	.3	.6	.5	.5	.4	.3	.0											89	89	78	51																
52/ 51	.1	.9	.5	.5	.6	.1												86	86	78	49																
50/ 49	.4	1.0	.8	1.1	.8	.2	.1											134	139	99	67																
48/ 47	.3	1.1	1.6	1.2	.4	.2												160	160	104	80																
46/ 45	.2	1.2	1.4	1.7	.5	.1	.0											161	161	125	77																
44/ 43	.1	1.0	1.8	1.6	.5	.0												176	176	157	101																
42/ 41	.5	1.5	1.7	1.3	.5													168	168	182	130																
40/ 39	.5	1.7	2.7	1.5	.3													208	208	189	154																
38/ 37	.3	1.7	3.2	1.4	.1	.0												213	213	191	153																
36/ 35	.6	3.3	2.8	1.3	.2													261	261	251	153																
34/ 33	.5	4.1	3.4	.4	.1													272	272	271	189																
32/ 31	.9	2.9	3.2	.5	.0													237	237	317	251																
30/ 29	.4	2.8	3.4	.3														182	182	216	299																
28/ 27	.1	2.0	1.6	.1														118	118	223	197																
26/ 25	.2	1.9	.7	.2														93	93	153	230																
24/ 23	.1	1.5	.6	.0														69	69	94	188																
22/ 21	.3	.9	.3															50	50	64	148																
20/ 19	.2	.8	.3															39	35	49	95																
18/ 17	.1	.9	.2															37	37	43	121																
16/ 15	.1	.5	.1															25	25	35	100																
14/ 13	.0	.3	.0															10	10	25	56																
12/ 11		.1																3	3	5	30																
10/ 9	.1	.0	.0															4	4	4	20																
8/ 7	.1	.1																5	5	5	20																
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0 26 5 (OL A) JUL 64 REUSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/MONTGOMERY 37-70

MAR

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	
6/ 5	.9	.0																2	2	3	24	
4/ 4		.0																1	1	2	17	
2/ 1																					11	
0/ -1																					2	
-2/ -3																					1	
-4/ -5																					1	
-6/ -7																					1	
-8/ -9																					3	
-10/-11																					1	
TOTAL	6.935	8.031	9.122	9.242	9.362	9.482	9.602	9.722	9.842	9.962	10.082	10.202	10.322	10.442	10.562	10.682	3161	3161	3161	3161		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Rel Hum.	17836749	233067	73.714	359	3161							93
Dry Bulb	5328230	124730	39.511	342	3161		25.7	1.1	.0			93
Wet Bulb	4476311	114283	36.210	441	3161		37.0					93
Dew Point	3544299	99033	31.311	821	3161	.3	54.0					93

USAF ETAC FORM 0-20-5 (DL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14805 CHANIE AFB ILLINOIS/RANTHVL 37-70 MAR  
 STATION STATION NAME YEARS 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															
70/ 69			.0															1	1																	
68/ 67			.1															2	2																	
66/ 65		.1	.0															8	8	1																
64/ 63		.1	.2	.1		.0												18	18	4	2															
62/ 61		.3	.3	.3	.2	.0												34	34	6	3															
60/ 59	.1	.5	.3	.1	.2		.0											39	40	28	16															
58/ 57	.1	.7	.1	.4	.2		.0											48	48	34	25															
56/ 55	.2	.9	.3	.5	.2	.0												52	52	49	34															
54/ 53	.4	.9	.5	.5	.1													75	75	50	41															
52/ 51	.3	1.1	.7	.5	.1													84	84	63	45															
50/ 49	.3	1.0	.7	.3	.1													78	78	80	58															
48/ 47	.4	1.4	1.4	.3	.2													137	132	92	71															
46/ 45	.3	1.4	1.6	.7	.1	.1												131	131	99	87															
44/ 43	.4	1.5	2.0	.0	.1													145	145	128	101															
42/ 41	.5	2.0	1.8	.5	.1													154	154	131	110															
40/ 39	.7	1.3	2.3	1.0	.1													195	195	176	113															
38/ 37	.9	2.0	2.9	.6	.1													206	206	178	153															
36/ 35	.7	3.9	3.1	.4														255	255	228	175															
34/ 33	.0	5.1	3.3	.3														293	293	259	157															
32/ 31	.9	5.5	2.4	.3														285	285	327	249															
30/ 29	.5	4.6	2.4	.0														237	237	271	272															
28/ 27	.6	4.4	1.7	.1														212	212	275	234															
26/ 25	.6	2.6	.0	.0														122	122	220	249															
24/ 23	.3	2.0	.3															83	83	120	217															
22/ 21	.2	2.1	.3															84	84	88	166															
20/ 19	.3	1.3	.2															59	55	81	114															
18/ 17	.1	.8	.1															30	30	46	129															
16/ 15	.2	.7																28	28	33	93															
14/ 13	.3	.8	.0															33	33	40	56															
12/ 11	.3	.3	.0															18	18	22	47															
10/ 9		.1																3	3	7	41															
8/ 7	.1	.1																4	4	6	36															
6/ 5	.0	.0																2	2	1	24															
4/ 3	.1	.1																6	6	5	12															
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 72 F	≥ 90 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS MAR MONTH

PAGE 2 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
2/ -1	.0	.1																3	3	3	10
0/ -1	.0																	1	1	3	3
-2/ -3																					3
-4/ -5																					3
-6/ -7																					1
-8/ -9																					2
-10/ -11																					1
TOTAL	10,449	729	48	8.0	1.8	.3	.1	.0												3157	3156
																		3156		3156	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	20037251	248625	78.8	11.793	3154							
Dry Bulb	4335306	114938	36.4	10.838	3157	.0	35.5	.1				93
Wet Bulb	3993109	107431	34.0	10.321	3156	.1	45.6					93
Dew Point	3306160	95426	30.2	11.576	3156	.4	57.8					93

USAFETAC FORM 0-26-5 (CL A) 0-26-5 (CL A) 0-26-5 (CL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-63 APR  
STATION STATION NAME YEAR 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	Frost																
70/69			.0	.0	.0	.1																											5	5			
68/67				.4	.2																												24	24	1	1	
66/65			.3	.3	.6	.2																											34	34	1		
64/63	.0	.8	.9	.3	.3																												56	56	25	7	
62/61	.2	1.0	.5	.3	.4	.2	.0																										66	66	60	33	
60/59	.3	2.1	.9	.6	.4	.3																											111	111	66	54	
58/57	.3	1.3	.9	1.0	.8	.3	.1																										114	114	89	97	
56/55	.2	1.2	.9	.8	.4	.3																											93	93	69	69	
54/53	.4	1.4	1.7	.9	.4	.2		.0																									120	120	91	59	
52/51	.5	1.4	1.4	.6	.5	.1																											109	109	117	83	
50/49	.5	2.2	1.6	1.0	.4	.1	.1																										141	141	131	88	
48/47	.4	2.1	1.9	1.5	.3	.0	.1																										153	153	137	111	
46/45	.4	3.1	2.4	1.2	.3	.2																											183	183	144	120	
44/43	.4	2.8	2.2	.7	.5																												156	156	169	133	
42/41	.3	3.3	2.3	1.7	.2	.1																											193	193	181	152	
40/39	.5	2.4	3.2	1.0	.2	.0																											180	180	186	163	
38/37	.5	4.0	2.7	.7	.0																												192	192	162	158	
36/35	.1	4.0	2.4	.9																													179	179	246	172	
34/33	.2	3.3	1.7	.1																													129	129	183	198	
32/31	.4	1.4	1.2	.0																													74	74	157	190	
30/29		1.4	.7																														49	49	86	143	
28/27		.8	.5																														31	31	51	92	
26/25		.4	.1																														11	11	39	115	
24/23	.1	.2	.2																														13	13	14	66	
22/21	.0																																1	1	8	59	
20/19		.0																															1	1	4	19	
18/17																																				1	28
16/15																																					6
14/13																																				5	
12/11																																				1	
10/9																																				4	
TOTAL	6.0	41.1	30.8	14.3	5.6	1.9	.3	.0																										2418	2418	2418	
Element (X)	Σx'		Σx		Σ		%		No. Obs.		Mean No. of Hours with temperature						Total																				
Rel. Hum.	15391069		189795		78.6		13.332		2414		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 90 F																					
Dry Bulb	5220953		109827		45.4		9.808		2418			6.7	1.1				90																				
Wet Bulb	4550202		102370		42.2		9.457		2418			13.4	.0				90																				
Dew Point	3921937		93901		38.8		10.673		2418			27.2	.0				90																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 GRANITE AFB ILLINOIS/RANDOLPH 37-65

APR MONTH

PAGE 1 0300-0500  
 HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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		
68/ 67			.0	.2	.1													9	9				
66/ 65		.2	.4	.2														19	19	1			
64/ 63	.0	.9	.6	.1														41	41	11	3		
62/ 61	.1	1.4	.3	.3	.1													58	58	44	20		
60/ 59	.4	2.2	.7	.4	.4	.1												99	99	76	60		
58/ 57	.4	1.4	.0	.4	.5	.1												84	84	75	71		
56/ 55	.5	1.2	1.1	.5	.5	.2	.0											97	97	70	72		
54/ 53	.5	1.5	1.4	.5	.4													103	103	68	62		
52/ 51	.5	1.3	1.7	.7	.3													109	109	93	62		
50/ 49	.4	2.0	1.6	.5	.2	.1												119	119	109	67		
48/ 47	.5	1.9	1.2	1.1	.1	.1												119	119	147	114		
46/ 45	.7	3.8	1.6	1.2	.2	.1	.0											188	188	136	107		
44/ 43	.3	3.1	2.2	.8	.4	.0												166	166	144	143		
42/ 41	.5	3.6	2.1	.5	.1	.0												167	167	163	143		
40/ 39	.9	2.8	2.4	.5	.1													162	162	201	158		
38/ 37	.5	3.3	3.0	.6														225	225	170	159		
36/ 35	.5	4.7	2.2	.1														184	184	223	160		
34/ 33	.3	4.3	2.9	.1														199	199	206	192		
32/ 31	.2	2.8	1.9	.0														119	119	186	203		
30/ 29	.1	1.9	.7															67	67	134	171		
28/ 27	.0	1.2	.4															41	41	78	118		
26/ 25	.0	.9	.1															26	26	41	126		
24/ 23	.0	.4	.2															14	14	27	80		
22/ 21		.2	.1															8	8	10	54		
20/ 19		.0																1	1	10	21		
18/ 17																				1	39		
16/ 15																					8		
14/ 13																					4		
12/ 11																					6		
10/ 9																					1		
8/ 7																					2		
TOTAL		7.5	49.8	29.5	9.0	3.4	.7	.1													2424	2424	2424
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.	16386920	197156	81.3	12.040	2424	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	4831131	105603	43.6	9.753	2424		10.2	.3				90											
Wet Bulb	4298898	99426	41.0	9.544	2424		18.1					90											
Dew Point	3775015	92111	38.0	10.650	2424		30.7					90											

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANDLER AFB ILLINOIS/RANTOUL 37-70

YEARS

APR  
 MONTH

PAGE 1 0600-0800  
 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				
78/ 77							.0											1	1						
74/ 73				.0	.1	.0	.0											5	5						
72/ 71			.1	.0	.1	.1	.1	.0										11	11						
70/ 69			.2	.2	.1	.1	.1	.1										18	18	1					
68/ 67		.1	.6	.3	.1	.2	.2	.0										45	45	3	1				
66/ 65		.2	.6	.4	.2	.3	.1	.1	.0									60	60	20	5				
64/ 63	.0	.7	.6	.4	.4	.2	.1	.1										77	77	37	18				
62/ 61	.0	1.4	.9	.6	.2	.3	.1	.1										105	105	54	52				
60/ 59	.2	1.7	.9	.9	.5	.4	.0											137	137	105	65				
58/ 57	.3	1.2	.5	.9	.8	.3	.1	.0	.0									126	126	121	82				
56/ 55	.5	.6	1.3	.9	.9	.3	.1	.0										132	132	106	101				
54/ 53	.4	1.1	1.0	1.0	.8	.2	.1											135	135	100	74				
52/ 51	.5	1.2	1.0	1.1	.8	.2	.0											144	144	144	89				
50/ 49	.5	1.7	1.8	1.5	.7	.2												169	189	149	120				
48/ 47	.3	1.5	1.8	1.8	.4	.0												172	172	165	122				
46/ 45	.4	2.4	1.7	1.7	.6	.0	.0											201	201	178	146				
44/ 43	.5	2.6	3.2	1.9	.4													254	254	222	139				
42/ 41	.3	2.8	2.9	1.2	.2													215	215	220	184				
40/ 39	.5	2.2	3.8	.7	.2	.0												221	221	260	215				
38/ 37	.4	2.4	2.7	.9	.1													191	191	230	201				
36/ 35	.4	2.8	2.3	.4														172	172	250	228				
34/ 33	.2	2.9	1.9	.1														148	148	190	209				
32/ 31	.2	1.6	.8	.2														87	87	173	251				
30/ 29	.0	.7	.8	.0														48	48	101	215				
28/ 27		.5	.2	.0														24	24	48	100				
26/ 25		.3	.1	.0														13	13	40	108				
24/ 23		.2	.1															9	9	10	81				
22/ 21	.0	.1	.0															4	4	12	50				
20/ 19																				5	32				
18/ 17																					23				
16/ 15																					11				
14/ 13																					5				
12/ 11																					4				
10/ 9																					1				
Element (X)	Σx²	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	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 1 JUL 64 G-26-5 (O. A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOL 37-70 APR  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 0600-0800  
 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	
8/ 7																					4	
TOTAL	9.9	32.8	31.9	17.3	7.6	3.0	1.0	.4	.1									2944	2944	2944	2944	
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel Hum	17619162	223904	76.1	14.162	2944	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	6700207	137223	46.6	10.165	2944		5.7	2.4	.2			90										
Wet Bulb	5724860	126752	43.1	9.536	2944		11.9	.1				90										
Dew Point	4825210	114952	39.0	10.697	2944		27.3	.0				90										

USAFETAC FORM 0-26-5 (OL A) 12-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70

APR MONTH YEARS

PAGE 1 0900-1107 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											.0							1	1																
86/85											.0							1	1																
82/81						.0	.1	.1	.1	.0	.0							13	13																
80/79					.0	.0	.1	.1	.1	.1	.0							15	15																
78/77				.1	.1	.2	.2	.3	.2	.2	.0	.0						39	39																
76/75				.2	.0	.3	.2	.5	.1	.2	.1	.0						49	49																
74/73			.1	.2	.2	.4	.2	.4	.3	.1	.0							58	58																
72/71			.1	.3	.3	.5	.4	.3	.3	.1	.0							69	69	6															
70/69	.1	.2	.4	.7	.4	.5	.4	.4	.1	.1								100	100	15	2														
68/67	.3	.5	.8	.8	.6	.5	.5	.3	.5	.0								142	142	25	10														
66/65	.3	.7	.6	.5	.6	.7	.7	.2	.0									135	135	61	22														
64/63	.8	.5	.7	.5	.7	.8	.8	.2	.0									153	153	109	35														
62/61	.1	.6	.8	.8	.7	.8	1.0	.4	.1	.1	.0							156	156	123	64														
60/59	.1	.9	.4	.8	1.0	1.0	.8	.5	.1									171	171	136	86														
58/57	.1	.3	.4	.5	.9	1.2	.7	.9	.1	.0								144	144	137	107														
56/55	.2	.8	.4	.8	1.1	.9	.4	.2										148	148	135	104														
54/53	.2	.6	.5	1.1	1.0	1.1	.6	.1										160	160	171	110														
52/51	.1	.9	.4	1.5	1.5	1.3	.2											182	182	165	101														
50/49	.1	1.4	1.4	1.5	1.7	1.1	.2	.0										230	230	206	110														
48/47	.1	1.0	1.3	1.4	2.0	.6	.0											197	197	216	143														
46/45	.3	1.5	1.0	1.8	1.4	.4	.1											215	215	227	160														
44/43	.3	.9	1.3	1.7	.9	.1												167	167	263	156														
42/41	.2	1.3	1.4	1.0	.8	.1												150	150	243	194														
40/39	.3	.8	1.2	.8	.6	.0												114	114	248	247														
38/37	.0	.8	1.0	.8	.1													86	86	176	197														
36/35	.1	.8	.7	.4	.1													61	61	132	182														
34/33	.2	.4	.8	.2	.2													56	56	99	197														
32/31	.3	.2	.3	.3														34	34	82	232														
30/29		.1	.0	.1														6	6	41	175														
28/27		.0	.1															4	4	22	100														
26/25			.1															3	3	12	98														
24/23			.0															1	1	7	80														
22/21																					60														
20/19																					35														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 APR  
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				
	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																	
18/17																																					20
16/15																																					12
14/13																																					12
12/11																																					5
10/9																																					2
8/7																																				2	
TOTAL	2.0	15.0	16.4	10.5	17.4	12.6	7.6	5.6	2.3	1.5	.4	.2																							3060	3060	3060
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature										Total																					
Rel. Hum.	13139667	192217	62.8	18.628	3059	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Total																								
Dry Bulb	9282450	166926	53.9	11.383	3060		1.4	14.3	5.2	.7			90																								
Wet Bulb	7104638	144484	47.2	9.610	3060		4.9	1.4					90																								
Dew Point	5381026	123486	40.4	11.403	3060		24.5	.4					90																								

USAFAETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 67-70 APR  
 STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400  
 HOUR (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																	
90/ 89																																			2	1	
88/ 87																																			1	1	
86/ 85																																			5	5	
84/ 83																																			16	16	
82/ 81																																			52	52	
80/ 79																																			71	71	
78/ 77																																			80	80	
76/ 75																																			92	92	
74/ 72																																			103	103	3
72/ 71																																			129	129	9
70/ 69																																			151	151	33
68/ 67																																			131	131	68
66/ 65																																			145	145	103
64/ 63																																			136	124	53
62/ 61																																			167	120	65
60/ 59																																			168	154	108
58/ 57																																			155	153	111
56/ 55																																			172	170	100
54/ 53																																			187	187	100
52/ 51																																			197	203	96
50/ 49																																			172	172	204
48/ 47																																			158	158	208
46/ 45																																			139	139	281
44/ 43																																			127	127	271
42/ 41																																			100	100	206
40/ 39																																			73	73	173
38/ 37																																			32	32	132
36/ 35																																			53	53	106
34/ 33																																			23	23	60
32/ 31																																			18	18	52
30/ 29																																			5	5	25
28/ 27																																			1	1	11
26/ 25																																					3
24/ 23																																				1	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	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																																					

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 17-70 YEAR? APR MONTH

PAGE 2 1200-1400 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	
22/ 21																						65
20/ 19																						30
18/ 17																						26
16/ 15																						17
14/ 13																						9
12/ 11																						4
10/ 9																						2
TOTAL	1.9	10.0	12.2	12.0	13.9	13.7	11.3	9.5	7.1	4.0	2.1	.9	.5	.0	.0				3060		3060	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_c$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum	10749348	171912	56.220	20.502	3058							
Dry Bulb	10770263	177727	58.112	20.928	3060		.7	24.5	12.4	3.3		90
Wet Bulb	7740006	151098	49.4	9.550	3060		2.7	3.3	.1			90
Dew Point	5215198	126798	40.811	1.796	3060		23.5	.6				90

USAFETAC FORM 0-26-5 (O.I. A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANDLER AFB ILLINOIS/RANTOUL 37-70 APR  
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
90/ 89												.0					1	1		
86/ 85												.1	.0				3	3		
84/ 83								.1	.2	.1	.2	.1	.0	.0			20	20		
82/ 81					.0	.0	.1	.3	.3	.2	.2	.0	.1				40	40		
80/ 79				.1	.2	.2	.4	.3	.4	.2	.2	.2	.2				65	65		
78/ 77				.2	.2	.2	.5	.5	.6	.2	.3	.2	.2				93	93		
76/ 75			.1	.3	.3	.3	.5	.2	.6	.5	.1						87	87		
74/ 73	.0	.1	.3	.4	.5	.6	.3	.4	.4	.3	.2						105	105	5	
72/ 71		.1	.5	.7	.5	.4	.7	.5	.5	.1	.1						124	124	12	
70/ 69	.1	.2	.5	.6	.4	.6	1.0	.8	.6	.1							150	150	25	
68/ 67	.1	.6	.5	.4	.5	.6	.8	.9	.4	.1							146	146	69	
66/ 65	.0	.6	.4	.4	.4	1.0	.8	.5	.3	.1							149	139	97	
64/ 63	.2	.6	.3	.6	.7	1.0	.9	.7	.3								157	157	124	
62/ 61	.2	.6	.6	.4	1.0	1.0	.9	.7	.1								182	182	141	
60/ 59	.1	.7	.9	.6	.9	1.3	.9	.7	.6	.0							187	187	120	
58/ 57	.1	.9	.4	.5	.7	1.1	.9	.2									169	169	173	
56/ 55	.1	.9	.8	.8	.9	1.5	1.4	.6	.1								203	203	187	
54/ 53	.1	.6	.6	1.1	.7	1.2	.8	.3	.1								168	168	199	
52/ 51	.2	.7	.6	.8	1.4	1.3	.7	.1									175	175	230	
50/ 49	.1	.5	.6	1.4	1.3	1.0	.7	.1									172	172	214	
48/ 47	.2	.7	.8	.9	.9	.8	.3										142	142	206	
46/ 45	.2	.6	.9	.8	.6	.9	.0										122	122	247	
44/ 43	.3	.9	.9	.9	.5	.4											116	116	268	
42/ 41	.1	.9	.8	.6	.4	.1											87	87	199	
40/ 39	.2	.9	.9	.2	.1	.1											76	76	168	
38/ 37	.1	.5	.5	.5	.1												49	49	152	
36/ 35		.4	.3	.3	.1												40	40	95	
34/ 33	.2	.3	.1	.1													19	19	53	
32/ 31	.1	.1	.1	.1													15	15	41	
30/ 29	.1	.0	.0														4	4	19	
28/ 27	.0	.0															2	2	11	
26/ 25																			3	
24/ 23																			78	
22/ 21																			72	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTMUL STATION NAME 27-70 YEARS APR MONTH

PAGE 2 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																															
20/ 19																																														32							
18/ 17																																																		29			
16/ 15																																																			18		
14/ 13																																																				4	
12/ 11																																																				3	
10/ 9																																																					2
TOTAL	2.3	16.1	11.9	12.9	12.6	14.0	12.1	9.8	7.1	4.1	2.0	.9	.5	.0																																					3058	3058	3058

Element (X)	Σ X <sup>2</sup>	Σ X	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	10927494	171514	56.120	640	3056							
Dry Bulb	10850196	178530	58.411	824	3058		.6	24.5	12.2	2.9		90
Wet Bulb	7800770	151760	49.6	9.286	3058		2.2	3.3	.1			90
Dew Point	5562968	125372	41.011	762	3058		23.1	.7				90

USAFETAC FORM 0-26-5 (OL A) JUL 61 REVISED PER JCS EDICHOH OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 APR 1950-2000  
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1 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												
80/ 79				.0	.0	.1	.1	.1	.0	.0										7	7														
78/ 77				.0	.1	.1	.1	.1	.0	.0										13	13														
76/ 75			.0	.0	.1	.1	.1	.1	.0	.2										22	22														
74/ 73			.1	.1	.2	.2	.2	.1	.1	.1	.0									43	43														
72/ 71			.1	.4	.4	.4	.2	.2	.1	.2	.0									60	60	3													
70/ 69		.1	.4	.4	.4	.6	.3	.4	.4	.0	.0									90	90	7	3												
68/ 67		.2	.7	.7	.5	.4	.8	.5	.2	.0										118	118	19	7												
66/ 65		.2	1.2	.7	.5	.8	.7	.6	.1	.0										146	146	53	12												
64/ 63		.8	.9	.7	.4	.7	.4	.3	.1	.1										131	131	79	39												
62/ 61	.1	1.1	.8	.7	.8	.8	.7	.2	.1	.0										167	167	123	65												
60/ 59	.2	.9	.7	1.1	.7	.8	.6	.2	.0											158	158	133	109												
58/ 57	.3	1.3	.8	1.0	.0	.9	.4	.4												187	187	148	95												
56/ 55	.2	.9	1.1	1.4	.9	1.2	.6	.2												199	199	156	119												
54/ 53	.2	1.0	1.2	1.3	.9	.8	.7	.1												201	201	192	120												
52/ 51	.4	.8	1.5	1.7	1.3	1.0	.3	.0												219	219	194	113												
50/ 49	.1	.9	1.3	1.6	1.1	.7	.2													192	192	219	122												
48/ 47	.3	.9	1.8	1.9	.9	.3	.2													194	194	202	169												
46/ 45	.1	1.5	1.9	1.8	.9	.5	.0													207	207	214	165												
44/ 43	.2	1.2	1.9	1.2	.8	.2														156	156	268	179												
42/ 41	.2	1.1	1.8	1.1	.7	.1														150	150	238	114												
40/ 39	.4	1.5	1.8	.9	.2															149	149	214	212												
38/ 37	.1	1.3	.9	.8	.5															98	98	196	194												
36/ 35	.2	.9	.5	.3	.0															59	59	171	242												
34/ 33	.3	.6	.3	.2																41	41	101	167												
32/ 31	.1	.4	.3	.2																32	32	52	173												
30/ 29	.1	.3	.0	.1																14	14	31	150												
28/ 27		.1	.2																	7	7	25	132												
26/ 25																						9	50												
24/ 23																						3	52												
22/ 21																							51												
20/ 19																							23												
18/ 17																							18												
16/ 15																							10												
14/ 13																							2												
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.											≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 64 JUL 64 0 27-5 (CL 4) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHARLIE AFB ILLINOIS/RANTJUL 37-70 APR  
STATION STATION NAME YEARS 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	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11																							2
10/ 9																							1
TOTAL	3.3	10.0	22.2	20.4	13.0	10.7	6.5	3.7	1.4	.6	.1	.0							3060	3060	3060	3060	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No Obs	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	14717570	204868	67.0	18.057	3059							
Dry Bulb	8923555	162097	53.0	14.93	3060		1.6	10.4	2.5	.1		90
Wet Bulb	7084561	144217	47.2	9.207	3060		3.5	.9				90
Dew Point	5593467	120447	41.3	10.973	3060		20.7	.3				90

USAFETAC 10274 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 APR  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL 0-31	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															
74/ 73				.0	.1				.0																							4	4			
72/ 71			.1	.1	.1	.1	.1																									11	11			
70/ 69		.0	.3	.1	.3	.2	.1	.0																								32	32	2		
68/ 67		.1	.5	.4	.2	.1	.0	.0																								45	45	6		
66/ 65	.0	.4	.8	.6	.5	.2	.1	.0	.0																							80	80	18		
64/ 63	.1	.6	1.0	.5	.5	.4	.3	.0																								101	101	47		
62/ 61	.1	1.2	1.1	.9	.6	.5	.3	.0																								139	139	80		
60/ 59	.6	1.4	.7	1.0	.9	.6	.2	.0																								161	161	116		
58/ 57	.1	1.4	1.0	1.3	.5	.6	.1	.0																								152	152	116		
56/ 55	.2	1.3	1.5	1.2	.8	.3	.2																										164	164	129	
54/ 53	.5	1.2	1.7	1.1	.5	.2																											155	155	148	
52/ 51	.4	1.5	2.1	.7	.6	.2	.0																										169	169	178	
50/ 49	.5	1.6	2.3	1.7	.9	.3	.1																										223	223	202	
48/ 47	.4	1.1	2.1	1.8	.9	.3	.0																										200	200	192	
46/ 45	.1	1.9	3.0	1.9	.6	.1																											230	230	195	
44/ 43	.2	2.2	2.6	1.2	.5	.0																											202	202	201	
42/ 41	.4	2.2	2.8	1.6	.4	.1																											227	227	261	
40/ 39	.3	2.0	3.3	1.1	.2																												209	209	236	
38/ 37	.5	2.4	2.0	1.2	.1																												184	184	243	
36/ 35	.1	2.9	1.3	.5																													133	133	215	
34/ 33	.2	1.6	.9	.1																													87	87	184	
32/ 31	.2	1.0	.8	.0																													58	58	119	
30/ 29	.2	.9	.4	.0																													35	35	68	
28/ 27		.3	.1																														13	13	41	
26/ 25	.1	.2	.1																														10	10	19	
24/ 23		.1	.0																														4	4	7	
22/ 21																																		5		57
20/ 19																																			16	
18/ 17																																			14	
16/ 15																																			5	
14/ 13																																			3	
12/ 11																																			2	
10/ 9																																			1	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0 26 5 (O) 7  
 REVISION NUMBER EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS APR MONTH  
 PAGE 2 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															
TOTAL	5,328.5	32.6	18.7	9.0	4.3	1.4	.2	.1										3028	3028	3028	3028															
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	17720670	227466	75.1	14.463	3028	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	7386130	146534	48.4	9.870	3028		3.6	2.7	.1			90																								
Wet Bulb	6269716	134894	44.5	9.274	3028		7.7	.2				90																								
Dew Point	5282891	122391	40.4	10.529	3028		22.5	.1				90																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 ENTIRE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANDIE AFB ILLINOIS/RANTJUL 37-62 MAY  
STATION STATION NAME YEARS 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														
78/ 77					.0	.1	.0																											4	4			
76/ 75				.1	.1	.0	.1																											7	7			
74/ 73				.2	.4	.2	.2																											25	25			
72/ 71			.4	.5	.5	.3	.0																											42	42	5	2	
70/ 69			.7	1.0	.9	.4	.3																											76	76	24	9	
68/ 67	.1	1.1	2.0	.9	.7	.1	.0																											121	121	55	29	
66/ 65	.2	2.5	1.4	1.1	.6	.4	.1																											150	150	97	58	
64/ 63	.3	2.4	1.7	.7	.6	.2				.0																								146	146	141	110	
62/ 61	.7	2.8	.9	.9	.4	.2	.0	.0																										146	146	142	145	
60/ 59	.7	3.0	1.0	1.4	1.0	.4	.1																											178	178	169	136	
58/ 57	.8	2.1	2.1	1.0	.8	.3	.2																											176	176	145	143	
56/ 55	.6	3.5	2.1	2.2	1.1	.2	.0																											233	233	163	136	
54/ 53	.4	2.9	2.0	2.0	.6	.3	.0																											200	200	185	145	
52/ 51	.5	2.4	2.0	1.3	.5	.2	.0																											164	164	177	158	
50/ 49	.5	2.0	2.5	1.4	.4	.0																												185	185	214	170	
48/ 47	.2	2.1	1.8	.9	.2	.2																												132	132	221	156	
46/ 45	.3	2.0	1.9	.6	.3	.0																												124	124	162	167	
44/ 43	.3	2.2	1.6	.7	.2																													119	119	128	169	
42/ 41	.2	.9	1.0	.5	.2																													64	64	133	157	
40/ 39	.0	.5	.8	.3																														40	40	77	157	
38/ 37	.2	.6	.6	.2																														39	39	68	78	
36/ 35		.6	.2	.1																														24	24	49	84	
34/ 33		.5	.0																															14	14	33	43	
32/ 31																																					20	59
30/ 29																																					1	48
28/ 27																																						19
26/ 25																																						24
24/ 23																																						4
22/ 21																																						4
TOTAL	5.0	36.1	27.3	17.9	8.8	5.3	.5	.1																											2409		2409	
																																				2409		2409
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature						Total																					
Rel Hum	15683363		191617		79.6		13.354		2407		≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F																						
Dry Bulb	7565154		133312		55.3		8.830		2409				10.6	1.4			93																					
Wet Bulb	6660191		124905		51.8		8.740		2409				.8	3.2			93																					
Dew Point	5984615		117622		48.8		10.010		2409				6.1	1.9			93																					

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANWIE AFB ILLINOIS/RANTOUL 17-65 MAY

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
76/75			.1															2	2		
74/73		.0																3	3		
72/71		.2	.2	.2	.2													21	21	3	2
70/69	.0	.4	.6	.6	.1													45	45	3	5
68/67	.2	1.4	1.6	.6	.2	.1												98	98	30	16
66/65	.6	2.4	1.3	.7	.2	.1												130	130	101	54
64/63	.7	2.7	1.5	.8	.5			.0										155	155	135	103
62/61	1.0	2.5	1.5	.6	.4	.2												151	151	123	151
60/59	.7	2.9	1.3	1.1	.7	.3	.0											176	176	160	108
58/57	1.1	3.1	1.7	.9	.5	.2												186	186	162	157
56/55	.7	3.5	1.6	1.3	.6	.1	.1											198	198	171	152
54/53	.8	3.3	2.2	1.6	.6	.1												218	218	178	140
52/51	.3	3.2	2.0	1.4	.3	.2	.0											204	204	182	168
50/49	.8	3.3	3.1	.8	.4	.2												214	214	212	173
48/47	.4	2.6	2.0	.7	.3													149	149	216	171
46/45	.4	2.1	2.2	.5	.1	.0												135	135	186	166
44/43	.3	2.5	1.6	.3	.1													122	122	134	175
42/41	.2	2.9	1.3	.4	.0													119	119	155	170
40/39	.1	.9	1.3	.4														67	67	129	159
38/37	.1	.8	1.1	.1														52	52	68	117
36/35	.1	.8	.4	.1														36	36	58	87
34/33	.1	.7	.1															23	23	56	63
32/31		.2	.0															5	5	28	34
30/29																				7	61
28/27																					34
26/25																					17
24/23																					5
22/21																					2
TOTAL	8.4	42.2	29.5	13.1	5.1	1.4	.2	.0										2509	2509	2509	2510
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel Hum.	17370647	206455	82.4	12.131	2507	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93	Total									
Dry Bulb	7405086	134538	53.6	8.723	2509		.2	6.3	.2			93									
Wet Bulb	6652784	127298	50.7	8.797	2509		1.3	1.5				93									
Dew Point	6361826	120806	48.1	9.931	2510		6.4	.9				94									

USAF ETAC FORM 0-26 5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

MAY

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
86/85																		1	1	
84/83											.0	.0	.0					3	3	
82/81										.1	.1	.1						9	9	
80/79						.2	.2	.2	.1	.1								28	28	
78/77					.2	.3	.3	.1	.0									31	31	
76/75			.1	.3	.6	.5	.4	.1								.1		66	66	
74/73		.1	.5	.7	.5	.2	.3	.1	.0									75	75	1
72/71	.1	.1	.5	1.0	.7	.3	.3	.2								.0		106	106	28
70/69		.7	1.4	1.1	.9	.7	.2	.2	.1									161	161	62
68/67	.2	1.0	1.0	1.2	.7	.6	.4	.1								.0		161	161	118
66/65	.2	1.2	1.7	1.4	1.0	.7	.4	.1	.1						.0			216	216	179
64/63	.6	1.4	1.8	1.3	1.3	.9	.3	.2	.1									243	243	158
62/61	.3	1.4	1.2	1.2	1.1	.5	.3	.1										193	193	204
60/59	.5	1.9	1.6	1.4	1.4	.8	.3	.1										255	255	217
58/57	.6	1.9	1.7	1.5	1.2	.6	.2	.1										246	246	230
56/55	.3	2.3	2.0	1.8	1.3	.3	.2											261	261	256
54/53	.4	2.0	1.8	1.6	.9	.4	.1	.0										230	230	257
52/51	.2	1.6	1.6	1.4	.7	.4	.1											190	191	253
50/49	.4	1.6	1.5	1.0	.6	.2												178	178	260
48/47	.4	1.0	1.4	.9	.3	.2												133	133	230
46/45	.1	1.3	1.3	.9	.2	.1												123	123	175
44/43	.1	1.4	1.0	.3	.2													102	102	165
42/41	.0	.5	.8	.3	.1													53	53	135
40/39		.6	.6	.1	.0													41	41	81
38/37	.1	.4	.4	.1														32	32	70
36/35	.0	.3	.2	.0														18	18	49
34/33			.0															1	1	20
32/31		.1																2	2	6
30/29			.0															1	1	4
28/27																				1
26/25																				
24/23																				
22/21																				
20/19																				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	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 (DL A) 11-18-60 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RAHDOUL STATION NAME 37-70 YEARS MAY 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	4.8	22.8	24.4	19.9	14.0	7.9	4.0	1.0	.4	.1	.0												3159	3160	3159		

Element (X)	Zx'	Zx	X	σx	No. Obs.	Mean No. of Hours with Temperature						Total
							< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	
Rel Hum.	18075739	233967	74.1	15.383	3159							
Dry Bulb	11026782	184246	58.3	9.484	3160	.1	18.9	6.2	.8			93
Wet Bulb	9273310	168936	53.5	8.699	3159	.2	6.2	.0				93
Dew Point	8060577	156387	49.5	10.044	3159	4.9	2.2					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTJUL 37-70

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																	
92/ 91											.0																								1	1		
90/ 89									.0		.0	.1											.1		.0									9	9			
88/ 87								.0		.3	.3	.2	.1										.2	.1										29	29			
86/ 85						.0	.0	.1	.0	.2	.2	.2	.1										.2	.1										54	54			
84/ 83					.0	.1	.2	.5	.5	.4	.3	.2	.1									.1	.1											76	76			
82/ 81					.0	.1	.3	.8	.7	.4	.1	.0										.1	.0											81	81			
80/ 79				.1	.1	.5	.5	1.0	.8	.7	.4	.3	.0			.0							.0											140	140			
78/ 77				.0	.2	.6	.9	.9	.8	.6	.5	.2	.0										.0											147	147		2	
76/ 75				.2	.6	1.1	.6	1.0	.5	.7	.4	.3	.0										.0											174	174	16	1	
74/ 73			.0	.4	.7	.9	1.1	.7	.8	.9	.3	.2	.0										.0											200	200	21	2	
72/ 71		.1	.9	.6	1.0	.5	.8	.8	.7	.5	.2	.0											.0											191	191	103	16	
70/ 69		.3	.8	.8	.7	1.0	1.0	.9	.7	.4	.1	.0											.0											210	210	166	32	
68/ 67	.0	.8	.7	.8	.6	1.2	.8	1.1	.7	.3													.0											223	223	202	101	
66/ 65	.2	.7	1.0	.9	.8	1.4	1.2	.9	.7	.1	.0												.0											248	248	223	136	
64/ 63	.1	.6	.9	.7	1.0	1.1	.8	.4	.3	.0													.0											187	187	205	179	
62/ 61	.2	.7	.8	1.2	1.0	1.2	.8	.5	.2														.0											211	211	203	169	
60/ 59	.3	1.0	1.0	.9	1.4	.8	.8	.3	.1														.0											207	207	247	188	
58/ 57	.2	1.1	.6	.7	.8	.8	.5	.2	.0														.0											165	165	271	184	
56/ 55	.3	1.1	.7	.9	.6	.7	.3	.1															.0											147	147	287	197	
54/ 53	.2	.7	.7	.6	.6	.6	.2	.1															.0											118	118	268	190	
52/ 51	.1	.8	.4	.6	.3	.4	.1	.0															.0											85	85	237	212	
50/ 49		.6	.2	.3	.5	.2	.1																.0											65	65	191	199	
48/ 47	.1	.6	.6	.2	.3	.3																	.0											65	65	138	190	
46/ 45	.0	.6	.3	.4	.1	.1																	.0											48	48	122	215	
44/ 43	.0	.4	.2	.1	.0																		.0											34	34	91	182	
42/ 41	.0	.3	.2	.2																			.0											20	20	66	153	
40/ 39		.1	.2	.1																			.0											13	13	45	125	
38/ 37		.2																					.0											6	6	30	118	
36/ 35																							.0														16	106
34/ 33																							.0												4		70	
32/ 31																							.0														74	
30/ 29																							.0														42	
28/ 27																							.0														23	
26/ 25																							.0														29	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 (CL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 STATION     CHANUTE AFB ILLINOIS/RANTHOL STATION NAME     37-70 YEARS     MAY 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															
24/ 23																																				12
22/ 21																																				5
20/ 19																																				1
18/ 17																																				5
14/ 13																																				1
TOTAL	1,610,611	1,411,713	1,301,431	1,261,014	1,312,610	1,17,8	4,2	2,1	5																											3154
																																				3154

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						Total
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel Hum	12529526	189588	60.11	18.919	3154							
Dry Bulb	14063153	208011	66.01	10.453	3154			45.3	26.9	9.6		93
Wet Bulb	10521662	180172	57.1	8.528	3154			15.0	1.1			93
Dew Point	8366254	158864	50.41	10.750	3154			5.6	4.6	2		93

USAF ETAC FORM 0 26 5 (REV. 2-57) REVISIONS TO FORMS OF THIS PATTERN ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME J7-70 YEARS MAY MONTH  
PAGE 2 1200-1400 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
26/ 25																					29
24/ 23																					17
22/ 21																					4
20/ 19																					1
12/ 11																					1
TOTAL		7.3	9.2	8.6	9.8	9.6	12.6	11.2	10.0	9.1	6.7	3.8	.9	.3	.1			3162		3162	3162
																		3162		3162	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum	10361047	169573	53.7	19.982	3160							
Dry Bulb	15722232	220329	69.7	10.814	3162			57.2	19.6	19.3	.2	93
Wet Bulb	11057599	185203	58.6	8.150	3162			18.4	1.8			93
Dew Point	8351198	158866	50.2	10.810	3162			5.6	4.2	.3		93

USAF ETAC FORM 1-74 0 26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

MAY

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															
94/ 93													.1	.1	.0																	5	5		
92/ 91													.1	.2	.3																	20	20		
90/ 89										.0	.1	.2	.3	.2																	31	31			
88/ 87									.1	.1	.1	.5	.3	.4	.1	.0															72	72			
86/ 85							.1	.1	.5	.6	.7	.5	.3	.1	.1	.0															91	91			
84/ 83				.0	.0	.2	.3	.9	.8	.6	.8	.4	.1	.1	.0																133	133			
82/ 81				.1	.2	.3	.5	.5	.6	.5	.9	.5	.2	.0																	135	136			
80/ 79		.0	.1	.0	.5	.6	.8	.8	1.1	.8	.8	.7	.3	.1																206	206		1		
78/ 77			.0	.2	.9	1.0	1.2	.9	.7	.7	1.0	.2	.1																	214	214	4	1		
76/ 75			.1	.4	1.2	.7	.8	.4	.6	.9	1.2	.5	.0																	218	218	16	3		
74/ 73			.4	.5	.4	.4	.8	.8	.7	1.0	.6	.3																		184	184	30	6		
72/ 71		.2	.3	.9	1.0	.7	1.0	.7	.6	.5	.4	.1																		207	207	104	7		
70/ 69	.1	.2	.7	.7	.4	.9	.6	.9	.9	.5	.3																			197	197	187	40		
68/ 67	.2	1.1	.6	.6	.7	1.1	1.3	1.2	.7	.1																				238	238	237	73		
66/ 65	.1	.8	.6	.5	.6	.8	1.0	.9	.5	.3																				190	190	235	130		
64/ 63	.0	.7	.9	.9	.6	.8	.6	.7	.6	.2																				183	183	256	183		
62/ 61	.0	1.0	.6	1.0	.5	.3	.7	.5	.2																					152	152	248	185		
60/ 59	.2	.7	.4	1.1	.8	.4	.5	.2																						143	143	257	189		
58/ 57	.0	.9	.6	.7	.6	.5	.7	.3	.0																					132	132	272	190		
56/ 55	.0	.7	.6	.5	.3	.4	.2	.3	.0																					95	95	287	199		
54/ 53		.7	.8	.8	.3	.3	.3	.1																						104	104	251	205		
52/ 51	.0	.8	.3	.3	.2	.3	.2																							65	65	217	202		
50/ 49		.3	.3	.3	.3	.1																								43	43	175	187		
48/ 47		.4	.5	.0	.1	.1																								35	35	124	194		
46/ 45		.2	.3	.1																										16	16	91	154		
44/ 43		.1	.1	.1	.0																									9	9	52	171		
42/ 41		.3	.0	.1	.1																									15	15	46	168		
40/ 39	.1	.2	.0																											9	9	29	162		
38/ 37		.2																												5	5	12	127		
36/ 35																															6		109		
34/ 33																															7		65		
32/ 31																																	68		
30/ 29																																	44		
28/ 27																																	33		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-25-5 (OL A) 101 04 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTONL STATION NAME 37-70 YEARS MAY MONTH  
 PAGE 2 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																		
26/ 25																																						26	
24/ 23																																						14	
22/ 21																																						7	
20/ 19																																						3	
10/ 9																																						1	
TOTAL		8.4	8.8	9.7	9.6	9.7	11.4	10.8	10.0	8.1	7.0	3.9	1.3	.4	.1																						3149	3150	3148

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	10492716	169926	54.020	463	3147							
Dry Bulb	15555953	218813	69.510	631	3150			57.6	38.7	17.4	.1	93
Wet Bulb	10953512	184006	38.4	7.999	3149			17.1	1.5			93
Dew Point	8277811	157781	50.110	838	3148			2.8	3.8	.3		93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS HAY 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
90/ 99																		1	1		
88/ 87																		8	8		
86/ 85																		14	14		
84/ 83																		34	34		
82/ 81																		58	58		
80/ 79																		76	76		
78/ 77																		126	126		
76/ 75																		160	160		
74/ 73																		183	183	10	
72/ 71																		200	200	67	
70/ 69																		215	215	119	
68/ 67																		245	245	173	
66/ 65																		245	245	231	
64/ 63																		229	229	223	
62/ 61																		209	209	240	
60/ 59																		230	230	242	
58/ 57																		180	180	250	
56/ 55																		184	184	274	
54/ 53																		135	135	281	
52/ 51																		137	137	251	
50/ 49																		107	107	239	
48/ 47																		68	68	153	
46/ 45																		41	41	143	
44/ 43																		29	29	92	
42/ 41																		18	18	72	
40/ 39																		18	18	55	
38/ 37																		7	7	26	
36/ 35																		4	4	10	
34/ 33																				2	
32/ 31																				2	
30/ 29																				1	
28/ 27																					
26/ 25																					
24/ 23																					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel Hum.						≤ 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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

MAY

STATION

STATION NAME

YEARS

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
22/ 21																							4
20/ 19																							3
18/ 17																							1
16/ 13																							1
TOTAL	1.3	14.2	16.7	14.8	13.0	11.5	11.1	7.7	4.7	2.1	1.3	.3	.1	.0					3161	3161	3161	3162	
Element (X)	Σ x <sup>2</sup>	Σ x	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.	14151661	202645	64.1	9.163	3161	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	12239318	202244	64.0	9.736	3161			38.8	19.4	4.6		93											
Wet Bulb	10249788	178116	56.3	8.216	3161		.1	11.0	.4			93											
Dew Point	8355907	159147	50.3	10.460	3162		5.2	3.8	.2			93											

USAFETAC FORM 0-26-5 (O-L-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 MAY  
STATION MONTH YEARS

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
82/ 81							.0										1	1			
80/ 79			.0			.0											8	8			
78/ 77			.0	.1	.5	.1	.2										27	27			
76/ 75			.1	.3	.4	.2	.1	.1	.0								40	40	1		
74/ 73		.0	.4	.7	.3	.5	.3	.1	.0								70	70	2	1	
72/ 71		.3	1.1	.6	.8	.6	.2	.1	.0								111	111	13	3	
70/ 69		.5	1.4	1.2	.8	.6	.4	.1	.0								148	148	62	13	
68/ 67	.2	1.5	1.6	1.0	1.0	.9	.5	.1	.1								204	204	99	66	
66/ 65	.2	1.8	1.7	.9	1.0	.6	.3	.2	.0								199	199	146	107	
64/ 63	.4	2.0	1.7	.9	.9	1.0	.4	.0	.0								218	218	197	127	
62/ 61	.5	2.2	1.1	1.3	1.0	1.0	.4	.2									246	246	208	193	
60/ 59	.4	1.8	1.9	1.5	1.1	1.0	.5	.1	.0								241	241	229	170	
58/ 57	.2	1.6	1.8	1.7	1.2	.9	.3										226	226	173	174	
56/ 55	.3	2.4	2.1	1.5	1.3	.5	.2	.1									243	243	234	157	
54/ 53	.1	1.7	1.7	1.7	1.0	.3	.2	.0									199	199	260	183	
52/ 51	.3	1.5	1.6	1.6	.7	.2	.1										178	178	238	214	
50/ 49	.2	1.9	1.8	.7	.6	.1											159	159	224	205	
48/ 47	.2	1.1	1.8	.8	.4	.2											133	133	246	205	
46/ 45	.2	1.3	1.4	.5	.6												117	117	177	183	
44/ 43		.7	.7	.3	.1												60	60	134	196	
42/ 41		.3	.7	.3	.1												41	41	114	190	
40/ 39	.0	.6	.3	.1	.1												42	42	63	160	
38/ 37	.0	.2	.2	.1	.0												14	14	65	94	
36/ 35		.3	.1														12	12	30	95	
34/ 33		.0	.0														2	2	17	62	
32/ 31			.0														1	1	6	53	
30/ 29																			1	29	
28/ 27																			1	30	
26/ 25																				17	
24/ 23																				5	
22/ 21																				4	
20/ 19																				3	
16/ 15																				1	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\leq 80$ F	$\leq 93$ F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 MAY  
 STATION STATION NAME YEARS 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		
TOTAL	3.4	24.4	25.0	10.1	13.8	9.0	4.2	1.3	.4											2940	2940		2940
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel Hum	16799103	217515	74.0	15.502	2940	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	10317724	172206	58.6	8.866	2940		.0	14.3	4.6	.1		93											
Wet Bulb	8700067	157991	53.7	8.450	2940		.3	5.6	.1			93											
Dew Point	7570010	146248	49.7	10.019	2940		4.5	2.6	.0			93											

USAFETAC FORM 7-54 0-76-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-62

JUN

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				
82/ 81				.1	.1	.1												7	7					
80/ 79			.1	.1	.4	.0												16	16					
78/ 77		.3	1.2	.6	.4	.1	.1		.0									64	64					
76/ 75		.4	2.0	1.5	.5	.3	.1	.0										111	111	19				
74/ 73	.1	1.2	2.4	1.2	.5	.3	.0	.0										131	131	61				
72/ 71	.0	2.7	2.5	1.3	.9	.2	.0	.2										208	208	113				
70/ 69	.8	4.2	2.7	2.0	.9	.4	.1											259	259	239				
68/ 67	1.0	4.6	3.2	1.7	1.2	.3	.0											242	242	221				
66/ 65	.8	3.3	2.8	2.2	.9	.3	.1	.0										246	246	238				
64/ 63	.7	2.8	2.9	1.9	1.3	.4	.2											235	235	242				
62/ 61	.6	3.4	1.2	1.6	.7	.2												179	179	208				
60/ 59	.5	2.2	1.4	1.5	.6	.1												149	149	233				
58/ 57	.0	1.8	2.1	1.6	.4	.1												142	142	148				
56/ 55	.4	1.5	1.6	.8	.1													105	105	173				
54/ 53	.2	1.5	1.4	.3	.2		.0											83	83	157				
52/ 51	.1	.8	.7	.2	.4													52	52	102				
50/ 49	.1	.9	.6	.1														30	30	85				
48/ 47		.3	.5	.0														21	21	34				
46/ 45		.2	.2															9	9	33				
44/ 43		.1	.1															5	5	22				
42/ 41			.1															2	2	4				
40/ 39			.0															1	1	4				
38/ 37																				2				
36/ 35																								
34/ 33																								
32/ 31																								
30/ 29																								
28/ 27																								
26/ 25																								
TOTAL	5.3	32.8	29.7	18.7	9.4	3.0	.7	.3	.0									2337	2337	2337				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total													
Rel Hum.	15940706	191106	81.8	11.579	2337	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	10005365	151929	65.0	7.146	2337			41.5	12.7	.4		90												
Wet Bulb	8929533	143565	61.4	7.171	2337			25.1	3.0			90												
Dew Point	8313631	138077	59.1	8.162	2337			.0	19.6	1.2		90												

USAFETAC FORM 0 26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-65 JUN  
 STATION 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
82/81					.1												2	2	
80/79				.1													3	3	
78/77			.2	.3	.3												19	19	
76/75		.5	1.5	.7	.1												63	68	
74/73	.1	1.3	1.8	.9	.2		.0										105	105	38
72/71	.4	3.2	2.1	.8	.2	.2											165	165	103
70/69	.9	4.9	2.8	1.4	.5	.0	.1	.0									258	258	202
68/67	.9	5.5	3.2	1.4	.6	.3	.0										290	290	201
66/65	1.0	4.2	2.9	1.6	.3	.1											246	246	267
64/63	.9	4.5	2.8	1.4	.5		.0	.0									248	248	246
62/61	.5	3.5	2.5	1.3	.8	.1	.1										215	215	216
60/59	.4	3.0	2.6	2.0	.7	.1	.0										215	215	224
58/57	.5	2.1	2.0	1.2	.2	.1											147	147	193
56/55	.5	2.6	2.3	.8	.1	.0											153	153	168
54/53	.2	1.8	1.4	.5	.1												98	98	189
52/51	.2	1.4	.9	.5	.1												76	76	142
50/49	.2	1.0	.9	.2	.0												57	57	90
48/47		.5	.7	.1													31	31	64
46/45		.3	.2	.1													16	16	33
44/43		.2	.2														10	10	28
42/41																			14
40/39		.1	.1														5	5	4
38/37																			4
36/35																			1
34/33																			4
TOTAL	6.7	40.7	31.1	15.4	4.8	.9	.3	.1									2427	2427	2427
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total								
Rel. Hum.	17549271	204765	84.4	10.338	2425	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≤ 93 F								
Dry Bulb	9858734	153728	63.3	7.076	2427			33.7	7.3	.1		90							
Wet Bulb	8972229	146511	60.4	7.257	2427			20.2	1.4			90							
Dew Point	8437397	141732	58.4	8.130	2427			16.2	.5			90							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOLPH 37-70 JUN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0600-0900  
 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		
90/ 89							.0	.1				.0							5	5				
88/ 87							.0	.1				.1							5	5				
86/ 85					.1		.3	.3			.0	.0							22	22				
84/ 83				.1	.4		.6	.1			.1	.1							46	46				
82/ 81			.1	.4	.8		.8	.4			.2	.1			.0				85	85				
80/ 79		.0	.4	1.3	1.3		.7	.5			.3	.1							139	139	3			
78/ 77		.1	1.0	2.2	1.4		.8	.4			.2	.1			.0				190	190	12	3		
76/ 75		.2	1.7	1.7	1.7		1.2	.6			.2								226	226	62	13		
74/ 73	.0	.8	2.2	2.3	.9		1.0	.7			.3	.1							253	253	161	50		
72/ 71	.1	1.4	2.7	1.8	1.5		.8	.5			.1	.1							275	275	227	143		
70/ 69	.3	2.2	2.7	2.1	1.5		1.3	.6			.3	.0							338	338	295	233		
68/ 67	.3	2.3	2.3	1.9	1.5		.9	.4			.0	.0							300	300	337	284		
66/ 65	.6	1.8	1.9	1.7	1.2		.7	.4			.0								257	257	325	306		
64/ 63	.1	1.7	2.2	1.5	1.1		.6	.3			.0								231	231	264	252		
62/ 61	.3	1.4	1.5	1.6	.7		.4	.2											182	182	261	232		
60/ 59	.1	1.3	1.4	1.3	.5		.2												145	145	271	241		
58/ 57	.1	1.3	1.1	1.0	.6		.2	.0											131	131	233	240		
56/ 55	.2	1.1	.9	.4	.2														87	87	206	223		
54/ 53	.1	.8	.9	.7	.3		.0	.0											72	72	145	204		
52/ 51	.1	.6	.6	.2	.0		.0												47	47	123	197		
50/ 49		.1	.2	.1															11	11	56	136		
48/ 47		.1	.2	.1															10	10	50	92		
46/ 45		.0																	1	1	14	77		
44/ 43			.1																2	2	11	64		
42/ 41																					2	27		
40/ 39																					2	23		
38/ 37																						11		
36/ 35																						2		
32/ 31																						3		
26/ 25																						1		
24/ 23																						1		
TOTAL	2.6	17.3	23.4	22.3	15.6	10.4	5.5	1.9	.8	.2	.0	.0							3060	3060		2060		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of hours with Temperature						Total												
Rel. Hum	17655936	228634	74.7	13.622	3039	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total												
Dry Bulb	14540938	209980	68.5	7.813	3060			52.4	28.6	7.1		90												
Wet Bulb	12293871	192749	63.0	7.063	3060			32.3	7.0			90												
Dew Point	11101275	182613	59.7	8.154	3060			.1	21.4	1.9		90												

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANDLER AFB ILLINOIS/RANTOUL 37-70

JUN MONTH YEARS

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	29-31	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
98/ 97										.0		.1						3	3																
96/ 95									.1	.0	.1		.0					7	7																
94/ 93								.1	.1	.2	.0	.0						15	15																
92/ 91						.0	.1	.2	.3	.2	.1	.1						32	32																
90/ 89					.0	.1	.4	.9	.4	.6	.4	.2	.1					97	97																
88/ 87					.1	.4	1.2	1.3	.9	.4	.3	.3	.2	.0				156	156																
86/ 85				.2	.4	1.4	1.3	1.6	.7	.6	.5	.1						209	209																
84/ 83			.0	.4	.9	1.5	1.6	1.0	1.4	.7	.3	.1	.0					242	242																
82/ 81			.0	.6	.9	1.8	1.3	.9	.7	.7	.1	.1	.1					217	217	4															
80/ 79		.0	.1	.9	1.8	1.1	1.3	1.3	1.0	.6	.2							262	262	26															
78/ 77		.1	.3	1.1	1.6	1.2	1.4	1.5	.8	.4	.2							262	262	84	13														
76/ 75		.2	.8	1.5	1.1	1.2	1.1	1.0	.8	.4	.1	.0						255	255	209	39														
74/ 73		.2	1.3	1.5	1.0	1.0	1.5	1.1	.9	.2	.0							269	269	237	89														
72/ 71	.1	.5	1.0	1.1	1.2	1.0	1.2	.9	.3		.0	.0						224	224	333	158														
70/ 69	.1	.9	1.1	.8	.8	.9	.9	1.0	.4	.1								210	210	315	281														
68/ 67	.1	.8	.9	.7	1.0	.8	.5	.3	.1									156	156	316	302														
66/ 65	.2	.7	1.0	.7	.9	.5	.4	.2	.1									126	126	323	260														
64/ 63	.2	.5	.2	.6	.6	.6	.4	.0	.0									106	106	269	256														
62/ 61	.1	.3	.3	.4	.3	.2	.0	.0	.1									62	62	235	206														
60/ 59		.7	.3	.3	.2	.2	.0											62	62	217	226														
58/ 57	.1	.4	.3	.4	.2	.2	.0											49	49	195	213														
56/ 55		.2	.2	.1	.2	.0												23	23	130	233														
54/ 53	.1	.1	.1		.1													10	10	78	178														
52/ 51		.1		.0														5	5	54	157														
50/ 49				.1														2	2	19	116														
48/ 47																				11	102														
46/ 45																				8	80														
44/ 43																					60														
42/ 41																					33														
40/ 39																					25														
38/ 37																					16														
36/ 35																					5														
34/ 33																					3														
30/ 29																					1														
Element (X)	Σx'	Σx	̄x	%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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS JUN 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
28/ 27																					1	
24/ 23																					1	
TOTAL	.9	5.7	8.5	11.4	13.0	14.1	14.9	13.4	9.1	5.0	2.6	.9	.5	.0					3057	3057	3057	
Element (X)	Σx'	Σx	̄x	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature							Total									
Rel. Hum.	12052208	185366	60.6	16.3	3057	≤ 0 F	≤ 32 F	< 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
Dry Bulb	17810370	231900	75.9	8.4	3057			76.9	59.5	33.0	.7	90										
Wet Bulb	13428084	201532	65.9	6.8	3057			44.7	16.3	.4		90										
Dew Point	11330596	184210	60.3	8.6	3057			.1	26.0	4.2		90										

USAF ETAC FORM 0-26-5 (11 A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14805 CHANDLER AFB ILLINOIS/RANTHIL 37-70 JUN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1200-1400  
 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
104/103													.1					2	2		
102/101													.0	.0				2	2		
100/99									.0		.0	.1	.2	.0	.0			11	11		
98/97									.0		.1	.2	.1	.0				13	13		
96/95									.1	.2	.2	.2	.1	.1				26	26		
94/93								.0	.3	.5	.5	.7	.4	.3	.1			84	84		
92/91								.3	.8	.6	1.2	1.0	.6	.3	.1	.0		153	153		
90/89						.1	.3	.4	1.0	1.1	1.6	.8	.6	.3	.2	.0		198	198		
88/87					.0	.6	1.4	1.1	1.5	.9	.8	.6	.1	.1				222	222		
86/85					.3	1.0	1.5	1.0	1.6	1.3	.7	.5	.2					250	250		
84/83			.0	.1	.6	.8	1.8	1.2	1.5	1.3	.9	.5	.1	.0				269	269	2	
82/81			.1	.3	.3	1.4	1.1	1.0	1.1	.6	.5	.3	.1					223	223	7	
80/79			.2	.5	1.2	1.2	1.1	1.3	1.0	1.1	.9	.1	.0					267	267	47	2
78/77		.1	.3	.8	.9	.9	1.4	1.2	1.3	.8	.4	.2						257	257	115	11
76/75		.1	.5	1.3	1.1	.7	.8	1.1	1.2	.7	.1	.1						236	236	204	46
74/73	.0	.3	.5	.9	.6	.7	.7	.7	1.0	.3	.1							180	180	294	83
72/71	.0	.5	.8	.7	.3	.7	.3	.9	.6	.4								166	166	344	163
70/69	.1	.5	.5	.5	.6	.9	.4	.5	.2	.0	.0							135	135	366	236
68/67		.4	.8	.5	.4	.5	.3	.3	.1	.0								99	99	319	265
66/65	.0	.4	.7	.6	.4	.4	.4	.2	.0									94	94	296	262
64/63	.0	.3	.2	.5	.2	.1	.3	.0										49	49	268	290
62/61	.0	.5	.2	.5	.2	.1	.2											51	51	235	227
60/59	.0	.4	.1	.2	.1	.1												25	25	206	220
58/57	.1	.2	.1	.0	.1	.1												21	21	154	232
56/55	.0	.1	.2		.0													13	13	99	200
54/53	.0		.0		.3													3	3	53	190
52/51		.1		.1														5	5	28	146
50/49			.0	.0	.0													3	3	16	127
48/47																				2	97
46/45																				4	104
44/43																				1	61
42/41																					32
40/39																					39
38/37																					14
Element (X)	ΣX <sup>2</sup>		ΣX		̄X	σ <sub>X</sub>	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 301 54 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANGE AFB ILLINOIS/RANTOUL 37-70 YEARS JUN MONTH  
 PAGE 1 1500-1700 HOURS (L. S. T.)

USAFETAC FORM 0 26 5 (O. L. A) 15-54 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. WB	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																	
104/103																																		1	1			
102/101																																		3	3			
100/99																																		10	10			
98/97																																		13	13			
96/95																																		23	23			
94/93																																		82	82			
92/91																																		139	139			
90/89																																		203	203			
88/87																																		189	189			
86/85																																		258	258			
84/83																																		252	252			
82/81																																		252	252	7		
80/79																																		277	277	46	1	
78/77																																		259	259	98	8	
76/75																																		246	246	181	39	
74/73																																		183	183	262	96	
72/71																																		159	159	344	134	
70/69																																		139	139	408	237	
68/67																																		105	105	342	260	
66/65																																		77	79	306	263	
64/63																																		76	76	261	256	
62/61																																		28	28	226	229	
60/59																																		29	29	252	210	
58/57																																		23	23	125	219	
56/55																																		18	18	98	230	
54/53																																		4	4	46	193	
52/51																																		4	4	35	161	
50/49																																		2	2	14	138	
48/47																																		3	3	3	96	
46/45																																					1	75
44/43																																				5	67	
42/41																																						53
40/39																																						27
38/37																																						24
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Me in 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																																						

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE

PSYCHROMETRIC SUMMARY

14806  
 STATION

MAN...  
 STATION NAME

37-70  
 YEARS

YEARS

JUN  
 MONTH

PAGE 2 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
35/ 35																				5
34/ 33																				3
32/ 31																				1
33/ 31																				1
	4.0	5.0	6.8	8.2	9.5	10.5	12.0	12.5	14.0	15.0	2.0	2.0	.9	.1		3060	3060	3060		
																3060		3060		

Element (Y)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	9973508	163828	54.2	17.962	3060							
Dry Bulb	1050710	242408	79.2	8.812	3060			82.1	70.2	46.2	3.9	90
Wet Bulb	3796607	204302	66.8	6.422	3060			49.6	17.5	.5		90
Dew Point	11149777	182778	59.7	8.719	3060		.1	22.6	4.1			90

USAF FORM 0-26 5 (OL A) JUL 64  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70

JUN MONTH YEARS

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
98/ 97										.1		.0						3	3	
96/ 95											.1		.0					3	3	
94/ 93								.0	.1	.1	.0							7	7	
92/ 91								.1	.2	.1	.1							16	16	
90/ 89						.0	.2	.4	.5	.2	.2		.0					46	46	
88/ 87					.1	.2	.4	.8	.6	.4	.1	.1	.1					82	82	
86/ 85				.1	.5	.5	.9	.9	.4	.5	.2	.1						121	121	
84/ 83			.0	.2	.7	1.1	1.1	.9	1.0	.6	.2	.1	.1					183	183	
82/ 81		.0	.2	.3	.9	1.5	.9	1.0	.7	.3	.2	.1						188	188	1
80/ 79		.1	.3	1.0	1.0	1.7	1.7	.8	1.0	.6	.2	.1						262	262	17
78/ 77		.1	.8	1.4	1.3	1.6	1.3	.8	.8	.4	.2							246	246	58
76/ 75	.0	.5	1.7	1.4	1.4	1.4	1.0	.9	.7	.4	.0							291	291	110
74/ 73	.0	.8	1.9	1.7	1.2	1.0	1.1	.9	.8	.2	.1							299	299	219
72/ 71	.1	1.6	1.6	1.5	1.2	.8	1.5	.5	.3	.2								286	286	303
70/ 69	.2	1.3	1.0	1.5	.9	1.3	1.1	.6	.2	.0								272	272	366
68/ 67	.2	1.4	1.4	.7	.9	.8	.7	.5	.1	.1								203	203	337
66/ 65	.1	1.0	1.0	1.2	1.0	.6	.5	.2										170	170	342
64/ 63	.0	.6	1.0	.7	.3	.6	.2	.2	.1									116	116	286
62/ 61	.0	.7	.7	.8	.2	.2	.2	.1										90	90	226
60/ 59		.5	.8	.4	.1	.2	.1											63	63	273
58/ 57	.1	.5	.4	.1	.3	.0												43	43	185
56/ 55	.0	.2	.2	.1	.2	.0												27	27	132
54/ 53	.0	.2	.2	.1	.0													18	18	96
52/ 51	.1	.3	.1	.0														16	16	46
50/ 49																				40
48/ 47			.0	.1														5	5	12
46/ 45				.0														1	1	1
44/ 43																				3
42/ 41																				4
40/ 39																				
38/ 37																				18
36/ 35																				6
34/ 33																				5
32/ 31																				2
Element (X)	Σ x'	Σ x	Σ	σ <sub>x</sub>	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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANDLER AFB ILLINOIS/PANTOUL STATION NAME 37-70 YEARS JUN 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
30/29																					1
TOTAL	1,0	10,0	13,9	13,4	12,4	13,2	12,8	9,4	7,4	4,1	1,7	,5	,2				3057	3057	3057	3057	
Element (X)	Σx²	Σx	X	C <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	13713221	197759	64,7	17,83	3057	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	90									
Dry Bulb	16866216	225726	75,8	8,072	3057			73,8	51,4	23,1	,4	90									
Wet Bulb	13132960	199340	65,2	6,633	3057			41,5	11,9	,2		90									
Dew Point	11290374	183952	60,2	8,308	3057		,1	24,7	3,4			90									

USAF ETAC FORM 74 JUL 64 U-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70 JUN  
 STATION STATION NAME YEARS 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														
88/ 87																																	1	1	
86/ 85									.1	.1	.1																					7	7		
84/ 83					.0	.1	.4	.2																								20	20		
82/ 81				.1	.4	.7	.5	.1	.1																							57	57		
80/ 79		.0	.8	.8	1.2	.5	.4	.1																							108	108			
78/ 77		.2	.8	1.8	1.5	.8	.6	.1	.1	.0																					170	170	13	5	
76/ 75		.4	1.0	1.3	1.3	.9	.5	.1	.0																						179	179	56	16	
74/ 73	.1	1.3	2.1	2.0	1.3	1.1	.4	.2	.0																						245	245	100	53	
72/ 71	.2	2.5	2.8	1.8	1.0	1.3	.6	.0																							304	304	228	100	
70/ 69	.4	3.3	2.7	2.3	1.6	1.3	.5	.1	.1																						346	346	257	246	
68/ 67	.6	3.0	2.8	1.9	1.8	.9	.6	.1																							331	331	342	265	
66/ 65	.1	2.4	2.1	1.5	1.6	1.1	.5	.1	.0																						264	264	298	278	
64/ 63	.3	1.9	1.9	1.0	1.4	.7	.2	.0																							210	210	283	226	
62/ 61	.1	1.6	1.3	1.2	1.0	.5	.1	.0																							166	166	255	254	
60/ 59	.2	.8	1.6	.8	.8	.4	.1	.0																							137	137	246	242	
58/ 57	.1	1.1	1.4	.5	.4	.3	.0	.0																							109	109	192	197	
56/ 55	.2	1.0	.8	.5	.3	.1	.0																								84	84	199	197	
54/ 53	.1	.5	.5	.4	.1	.1																									46	46	139	177	
52/ 51	.1	.5	.4	.2	.1	.0																									35	35	92	176	
50/ 49	.2	.5	.5																												19	19	54	121	
48/ 47	.0		.0	.0																											3	3	46	84	
46/ 45			.2	.0																											6	6	24	71	
44/ 43			.1																												2	2	7	45	
42/ 41																																		5	41
40/ 39																																	3	18	
38/ 37																																			19
36/ 35																																			11
34/ 33																																			3
32/ 31																																			2
30/ 29																																			1
28/ 27																																			1
TOTAL	2.4	20.7	24.3	18.5	16.7	10.9	4.7	1.2	.4	.1	.1	.0																			2849	2849	2849		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	16812362	215206	75.5	13.975	2849	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	13366772	194063	68.1	7.207	2849			55.9	24.9	4.4		90																							
Wet Bulb	11400842	179128	62.9	6.969	2849			31.5	5.3			90																							
Dew Point	10330976	169900	59.6	8.359	2849			.1	21.6	2.3		90																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-65 YEARS JUL MONTH  
 PAGE 1 0300-0500 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
84/ 83								.0									1	1			
82/ 81				.0	.0	.1	.1										6	6			
80/ 79			.3	.1	.1	.1	.0										16	16			
78/ 77		.4	.7	.4	.5		.0										55	55			
76/ 75		1.3	2.2	.6	.9	.1											121	121	26	8	
74/ 73	.0	2.8	2.8	1.0	.2	.2		.0									179	179	79	45	
72/ 71	1.0	5.2	2.8	.9	.1	.0	.2										262	262	201	154	
70/ 69	1.5	6.8	4.7	1.6	.7	.2											393	393	295	251	
68/ 67	.9	5.4	4.4	1.5	.6	.3											336	336	313	279	
66/ 65	1.1	4.6	4.3	1.7	.7												315	315	333	283	
64/ 63	.4	3.3	4.2	1.6	.3	.1											250	250	270	279	
62/ 61	.4	4.1	2.7	1.1	.1	.2											218	218	221	216	
60/ 59	.1	2.6	1.9	.9	.4												152	152	304	251	
58/ 57	.0	1.7	2.0	.5	.2												112	112	169	217	
56/ 55	.0	1.1	1.1	.3	.0												67	67	126	175	
54/ 53		.3	.7	.2													31	31	105	123	
52/ 51	.0	.4	.2	.2													21	21	49	112	
50/ 49		.1	.1														5	5	33	64	
48/ 47																			12	40	
46/ 45																			4	25	
44/ 43																				10	
42/ 41																				6	
40/ 39																				6	
TOTAL	5.5	40.3	35.4	12.8	4.4	1.3	.3	.1										2540		2540	2540
																		2540		2540	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum.	18645455	216333	85.2	9.314	2540	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	11366134	169286	66.6	5.736	2540			50.1	13.8	.5		93
Wet Bulb	10384701	161709	63.7	5.937	2540			33.9	3.8			93
Dew Point	9849346	157250	61.9	6.703	2540			27.0	1.9			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 JUL  
STATION STATION NAME YEARS MONTH  
PAGE 1 0600-0800  
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
94/93								.0		.0								2	2		
92/91								.1	.1									5	5		
90/89							.0	.0	.1									6	6		
88/87					.0	.2	.2	.1	.1									19	19		
86/85					.2	.4	.3	.1	.0									33	33		
84/83				.2	.9	.5	.3	.2	.1	.0								71	71		
82/81	.0	.2	.7	1.1	.7	.4	.1	.1										111	111		
80/79	.0	.6	2.0	1.3	1.0	.5	.3	.1	.1									191	191	3	
78/77	.1	1.7	2.5	1.6	.9	.8	.3	.1										254	254	39	4
76/75	1.0	2.9	2.5	2.3	1.1	.7	.2	.1			.0							353	353	149	28
74/73	.2	2.1	3.2	2.2	1.6	1.3	.7	.2			.0							370	370	245	134
72/71	.4	3.2	3.1	2.9	1.9	1.1	.4	.0										422	422	356	276
70/69	.7	3.4	3.2	1.8	1.7	1.1	.5	.1										403	403	446	370
68/67	.3	2.2	3.1	2.4	1.3	.8	.3	.1										337	337	409	366
66/65	.2	1.6	2.9	1.9	1.0	.4	.1											259	259	400	359
64/63	.1	1.2	1.7	1.3	.6	.2	.1											167	167	320	325
62/61	.1	.9	.9	.8	.2	.1												98	98	310	289
60/59	.0	.5	.9	.5	.1	.0												66	66	236	291
58/57		.2	.6	.2	.1													37	37	141	245
56/55		.1	.2	.1														11	11	95	166
54/53		.1	.2															7	7	49	134
52/51																				20	116
50/49	.0																	1	1	8	57
48/47																				1	30
46/45																					21
44/43																					7
42/41																					3
32/31																					2
TOTAL	2.0	16.8	25.4	21.9	16.0	10.0	5.3	1.7	.6	.2	.0	.1						3223	3223	3223	3223
Element (X)	Σx <sup>2</sup>	Σx	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Ref Hum.	19052069	244219	75.8	12.824	3220	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	16676387	230967	71.7	6.223	3223			74.4	40.8	9.6	.1	93									
Wet Bulb	14229426	213386	66.2	5.618	3223			47.4	12.5			93									
Dew Point	13028578	203794	63.2	6.649	3223			.1	34.0	4.8		93									

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 JUL  
 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
104/103														.0				1	1		
102/101														.1	.1			4	4		
100/99												.0	.1	.0				9	9		
98/97											.1	.1	.1					8	8		
96/95									.1	.0	.2	.2		.0				16	16		
94/93								.0	.2	.4	.3	.2	.1					41	41		
92/91							.2	.7	.6	.2	.2	.1	.0	.1				65	65		
90/89				.0	.2	1.0	1.1	.6	.5	.2	.1	.0	.0	.0				121	121		
88/87			.0	.2	1.2	1.9	1.0	.9	.5	.3	.1	.0						203	203		
86/85		.0	.0	.8	1.9	2.0	1.7	1.0	.6	.2	.1	.0						271	271		
84/83		.0	.2	1.8	2.4	1.6	1.9	1.7	1.1	.5	.1							365	365		
82/81		.1	.9	2.2	1.9	2.2	1.6	1.2	.7	.3	.0							360	360	6	
80/79		.0	.3	1.7	1.8	2.0	2.2	1.9	1.6	.6	.2							400	400	52	3
78/77		.1	.9	1.8	2.1	1.2	2.0	1.2	1.0	.6	.0							353	353	190	9
76/75		.5	1.5	1.4	1.4	1.5	1.3	1.4	1.1	.2	.0							335	335	323	72
74/73		.8	1.0	1.1	.8	.8	1.3	1.3	.4									237	237	399	201
72/71	.1	.8	.7	.8	.7	.9	.8	.8	.3	.0								188	188	431	362
70/69	.1	.8	.8	.7	.5	.5	.4	.3	.1									137	137	432	360
68/67	.1	.4	.3	.2	.5	.4	.2	.1										70	70	384	341
66/65		.3	.3	.1	.1	.2	.1	.0										37	37	334	291
64/63		.2	.1	.1	.1	.1												18	18	220	276
62/61	.1	.2	.0	.0														10	10	235	265
60/59		.0	.1															3	3	151	245
58/57			.0															1	1	60	192
56/55																				26	163
54/53																				10	137
52/51																					132
50/49																					107
48/47																					44
46/45																					26
44/43																					19
42/41																					6
40/39																					2
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 (C) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 66-70 YEAR JUL MONTH  
 PAGE 2 1200-1400 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
42/ 41																					6
40/ 39																					4
38/ 37																					2
36/ 35																					1
TOTAL	.4	1.7	3.1	4.4	6.5	10.1	11.8	15.0	17.2	13.3	8.7	4.3	1.5	.8	.7	.2	.1	3252	3253	3252	3252

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum	9416680	168052	51.7	15.008	3252							
Dry Bulb	22876048	271900	83.6	6.779	3253			92.4	87.8	68.6	8.3	93
Wet Bulb	15974507	227237	69.9	5.436	3252			67.2	33.7	1.4		93
Dew Point	13031607	204243	62.8	7.922	3252			35.7	8.1	.1		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14805 CHARLOTTE AFB ILLINOIS/RANTOUL

36-70

JUL  
 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														
108/107																	.1	4	4																
106/105																	.0	1	1																
104/103																.2	.0	13	13																
102/101															.2	.0	.0	16	16																
100/ 99															.0	.1	.0	16	16																
98/ 97															.2	.1	.0	40	40																
96/ 95															.4	.3	.0	74	74																
94/ 93															.6	.4	.1	90	90																
92/ 91					.0	.2	.4	1.2	1.0	.6	.7	.4	.1	.2	.1	.1	158	158																	
90/ 89				.0	.2	.4	1.2	2.2	1.7	1.5	.9	.6	.3	.1	.2	.2	299	299																	
88/ 87				.0	.1	.8	1.4	2.2	1.9	1.6	.9	.6	.4	.1	.1	.1	321	321																	
86/ 85				.1	.3	1.7	2.1	2.4	2.5	2.0	1.3	.4	.3	.0	.0	.0	423	423																	
84/ 83			.0	.3	.7	1.9	1.5	1.6	2.2	1.6	.9	.4	.1	.1	.1	.1	368	368	5																
82/ 81			.1	.5	1.5	1.4	1.6	1.5	2.1	1.6	.6	.2	.0	.0	.0	.0	372	372	20	5															
80/ 79			.2	1.0	1.2	1.4	1.2	1.8	1.9	1.4	.8	.0	.1	.1	.1	.1	356	356	81	3															
78/ 77		.1	.3	1.0	1.0	.8	.8	.9	1.3	.6	.2	.0	.0	.0	.0	.0	232	232	203	22															
76/ 75		.2	.5	.7	.6	.5	.3	.6	.6	.4	.0	.0	.0	.0	.0	.0	142	142	367	70															
74/ 73		.4	.6	.6	.6	.6	.4	.5	.4	.2	.0	.0	.0	.0	.0	.0	135	135	448	173															
72/ 71	.0	.5	.5	.4	.4	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	90	90	436	257															
70/ 69	.1	.3	.3	.2	.1	.1	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	48	48	422	359															
68/ 67	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	31	357	334															
66/ 65			.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	335	294															
64/ 63		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	238	287															
62/ 61			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	186	265															
60/ 59																			91	248															
58/ 57																			59	185															
56/ 55																			12	190															
54/ 53																			1	168															
52/ 51																				121															
50/ 49																				90															
48/ 47																				78															
46/ 45																				45															
44/ 43																				25															
42/ 41																				16															
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOL 37-70

JUL  
 MONTH

PAGE 1 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															
96/ 95											.1	.1	.0																				6	6				
94/ 93											.2	.2	.2																				16	16				
92/ 91											.1	.2	.1	.0																			22	22				
90/ 89					.1	.0	.2	.3	.6	.3	.1	.0	.2	.1																			61	61				
88/ 87				.1	.2	.6	1.0	.6	.5	.3	.1	.1																					109	109				
86/ 85		.0		.2	.8	1.4	1.5	.8	.7	.4	.2	.2																						195	195			
84/ 83		.0	.2	.4	1.7	1.8	1.7	1.2	.9	.4	.2	.1	.0																					280	280	3		
82/ 81			.4	1.1	2.2	1.9	1.5	1.1	.7	.5	.2	.0																						295	295	5	4	
80/ 79		.0	.8	2.3	2.5	2.6	1.8	1.4	1.0	.5	.2	.0																						417	417	39	6	
78/ 77		.2	1.4	2.0	2.1	2.2	1.8	1.1	1.0	.3	.0	.0																						388	388	123	20	
76/ 75	.0	.7	2.0	2.1	2.4	2.1	1.5	.7	.5	.1																								387	383	266	84	
74/ 73	.0	1.1	1.8	1.6	1.6	1.4	1.2	.8	.3																									315	315	369	167	
72/ 71	.2	1.6	1.2	1.3	1.1	1.1	1.0	.3	.2	.0																								258	258	428	325	
70/ 69	.4	.8	.9	1.5	1.1	.8	.4	.4	.1																									200	200	458	377	
68/ 67	.1	.5	.7	.6	.6	.5	.4	.1																										112	112	391	333	
66/ 65	.0	.2	.3	.3	.2	.4	.2	.0																										54	54	354	330	
64/ 63	.1	.1	.2	.1	.3	.1	.1																											28	28	278	288	
62/ 61		.1		.2	.1	.0																												13	13	186	264	
60/ 59		.1		.1	.1																													8	8	122	220	
58/ 57				.0																														1	1	72	199	
56/ 55																																					45	151
54/ 53																																				18	117	
52/ 51																																				4	99	
50/ 49																																					65	
48/ 47																																					53	
46/ 45																																					36	
44/ 43																																					15	
42/ 41																																					5	
40/ 39																																					3	
TOTAL	.9	5.6	9.7	14.0	17.2	16.8	14.6	9.5	6.6	3.1	1.3	.7	.1																					3161	3161	3161		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total
Rel. Hum.	13822361	203495	64.4	15.075	3160							
Dry Bulb	19121419	245097	77.5	6.085	3161			89.2	73.2	35.5	.6	93
Wet Bulb	14941000	216642	68.5	5.432	3161			61.3	23.7	.7		93
Dew Po	13038265	201675	63.8	7.360	3161			38.7	8.3	.2		93

USAFETAC Form 0 26-5 (OL A) 1 JUL 64  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOLPH 37-70 JUL  
 STATION STATION NAME YEARS 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
88/ 87						.0	.1										3	3		
86/ 85				.0	.1	.1	.1	.0									12	12		
84/ 83			.0	.4	.3	.3	.2	.2									46	46		
82/ 81		.1	.4	.8	.7	.4	.3	.0	.0								83	83		
80/ 79		.0	1.1	1.7	.8	.4	.2	.2	.1	.0							139	139	7	2
78/ 77	.0	.3	2.0	1.8	1.5	.8	.4	.2	.1								230	230	41	10
76/ 75	.1	2.3	3.5	2.5	2.2	.7	.8	.3	.0								370	370	126	50
74/ 73	.1	2.0	4.0	2.8	2.3	1.3	.5	.1	.0								389	389	235	158
72/ 71	.2	3.9	3.6	3.3	2.8	1.1	.5	.1									453	453	314	235
70/ 69	1.0	3.1	3.2	3.5	1.5	1.1	.4	.1									409	409	442	359
68/ 67	.3	1.7	3.2	2.6	1.6	.4	.3	.0									297	297	346	325
66/ 65	.1	1.2	2.2	1.9	.8	.7	.0										207	207	363	295
64/ 63	.1	.7	1.3	1.2	.8	.4	.1										135	135	353	284
62/ 61	.0	.6	.8	.7	.6	.1											86	86	249	253
60/ 59		.2	.5	.5	.3	.0											47	47	184	255
58/ 57	.0	.0	.2	.4	.1	.1											25	25	120	199
56/ 55			.2	.1													10	10	86	156
54/ 53			.1														2	2	49	107
52/ 51																			21	84
50/ 49																			7	58
48/ 47																				53
46/ 45																				21
44/ 43																				6
42/ 41																				3
TOTAL	2.0	16.2	27.1	24.4	16.5	8.1	4.0	1.3	.3	.1							2943	2943	2943	2943
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum	17699203	225387	76.6	12.203	2943	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	15192246	210556	71.5	5.471	2943			76.8	40.2	6.8		93								
Wet Bulb	13046169	195242	66.3	5.636	2943			47.7	12.9	.1		93								
Dew Point	11998123	186807	63.5	6.911	2943			36.0	7.0	.0		93								

USAFETAC FORM 0-26-5 (O.I.A.) JUL 64  
 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-62

ALG MONTH YEARS

PAGE 1 0600-0200 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
84/ 83					.0													2	2	
82/ 81					.1	.2	.0											8	8	
80/ 79		.0	.2	.5	.3	.1												28	28	
78/ 77		.7	.7	1.4	.3	.0		.0										76	76	4 2
76/ 75		1.9	2.0	1.2	.3	.1	.1											134	134	31 10
74/ 73	.1	3.5	3.2	1.5	.4	.2	.0											218	218	104 64
72/ 71	.6	5.7	3.9	1.6	.6	.1	.0		.0									305	305	230 150
70/ 69	.7	5.7	3.2	1.7	.8	.2	.1											301	301	221 261
68/ 67	1.3	5.7	4.1	1.4	.5													314	314	294 318
66/ 65	.7	4.6	4.0	2.0	.3	.2												283	283	305 225
64/ 63	.3	3.7	3.4	1.8	.2	.0												228	228	248 255
62/ 61	.1	3.8	2.9	.8	.1													187	187	242 224
60/ 59	.5	2.6	1.7	.9	.1													143	143	247 242
58/ 57	.1	1.7	1.7	.4	.1													98	98	171 192
56/ 55		1.2	1.4	.0														64	64	99 182
54/ 53		.3	.4															17	17	88 110
52/ 51		.2	.2															8	8	45 78
50/ 49		.0	.1															4	4	12 56
48/ 47																				5 32
46/ 45																				2 9
44/ 43																				5
42/ 41																				1
TOTAL	4.4	1.4	3.1	1.5	2.4	1.4	.3	.0	.0									2418	2418	2418
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel Hum.	17698592	205684	85.1	9.149	2418	≤ 0 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb	11040221	162775	67.3	5.837	2418			53.3	17.9	.6		93								
Wet Bulb	10068773	155397	64.3	5.821	2418			36.7	5.3			93								
Dew Point	9555670	151206	62.5	6.439	2418			31.0	2.9			93								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 26-65

AUG  
MONTH

PAGE 1 0300-0800  
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
82/ 81						.0	.0											2	2		
80/ 79		.0					.0											2	2		
78/ 77		.2	.3	.6	.2	.1												31	31	1	
76/ 75		1.3	1.6	1.2	.1		.0											107	107	10	
74/ 73	.2	2.6	2.0	.4	.1	.1												136	136	58	
72/ 71	.7	5.3	2.2	.5	.4	.1		.0										235	236	172	
70/ 69	1.4	6.5	2.8	1.0	.2	.2	.1											309	309	286	
68/ 67	1.2	7.4	3.9	1.1	.3	.1												347	347	286	
66/ 65	1.4	5.5	3.8	1.5	.2													316	316	294	
64/ 63	1.3	4.2	3.4	1.1	.1	.2												262	262	209	
62/ 61	.3	4.8	1.9	.6	.1													195	195	237	
60/ 59	.7	4.8	2.4	.6	.1													218	218	276	
58/ 57	.4	3.3	2.8	.3														156	156	221	
56/ 55	.2	2.9	1.9	.1														118	118	149	
54/ 53	.0	1.4	.9															59	59	124	
52/ 51	.0	.7	.4															28	28	82	
50/ 49		.4	.1	.0														13	13	31	
48/ 47		.2	.0															5	5	14	
46/ 45		.0		.0														2	2	9	
44/ 43																				1	
42/ 41																				5	
40/ 39																				6	
38/ 37																				1	
TOTAL	7.8	51.5	29.0	9.0	1.7	.7	.2	.0											2542		2541
																			2541		2541

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	- 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	19560317	222397	87.6	8.427	2539							
Dry Bulb	10730951	165982	65.3	6.033	2542			42.8	10.2	.1		93
Wet Bulb	10732742	159716	62.9	6.073	2541			29.8	2.5			93
Dew Point	9691699	156027	61.4	6.612	2541			25.2	1.4			93

USAFETAC FORM 0-26-5 (01 A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 26-70 YEARS AUG MONTH

PAGE 1 0600-0800 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
92/ 91								.0										1	1		
90/ 89								.1										2	2		
88/ 87						.0		.1										4	4		
86/ 85				.0	.1	.3	.2	.0										19	19		
84/ 83				.1	.5	.6	.1	.0										42	42		
82/ 81			.3	.4	1.0	.4	.2	.1		.0								80	80		
80/ 79			.7	1.2	1.0	.2	.2	.1										110	110	2	
78/ 77		.2	1.3	1.8	1.4	.3	.3	.1	.0									172	172	20	3
76/ 75	.0	1.0	2.2	1.5	1.5	.7	.2	.1										243	243	99	24
74/ 73	.1	2.3	2.9	2.2	1.4	.7	.4	.1										322	322	201	90
72/ 71	.2	3.6	2.7	2.2	1.5	.7	.2	.1										361	361	282	236
70/ 69	.3	3.3	3.0	2.4	1.1	.7	.2	.1										373	373	374	339
68/ 67	.6	3.0	3.7	2.4	1.2	.3	.1											390	390	366	318
66/ 65	.4	2.5	3.5	2.0	1.2	.3	.0											321	321	385	338
64/ 63	.3	2.1	2.8	1.3	.6	.2	.0											234	234	362	308
62/ 61	.2	2.1	2.1	1.3	.5	.1												203	203	307	322
60/ 59	.2	1.5	1.6	1.1	.1	.1												147	147	281	305
58/ 57	.2	1.1	1.1	.4	.0	.0												96	96	200	252
56/ 55		.6	.8	.2														50	50	155	222
54/ 53	.0	.3	.5	.2														38	38	99	160
52/ 51		.1	.1	.1														11	11	54	139
50/ 49		.1	.1															6	6	24	92
48/ 47		.1	.0															3	3	13	32
46/ 45		.0																1	1	4	28
44/ 43																				2	17
42/ 41			.0															1	1		9
40/ 39																				1	
36/ 35																					1
TOTAL	3.2	24.8	29.4	21.1	13.0	5.6	2.1	.7	.1	.0								3230	3230	3230	3230

USAF ETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	20928877	257365	79.7	11.454	3230							
Dry Bulb	15547197	223023	69.0	6.771	3230			61.0	28.6	5.9		93
Wet Bulb	13632909	208891	64.7	4.184	3230			38.7	9.3			93
Dew Point	12654551	200259	62.2	6.852	3230			29.1	3.4			93

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 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				
98/ 97											.0	.1	.0						4	4						
96/ 95								.0	.2	.0	.0	.1	.0						9	9						
94/ 93								.0	.2	.1	.2	.1							21	21						
92/ 91						.0	.1	.3	.5	.2	.1	.0							40	40						
90/ 89					.0	.2	.9	1.2	.8	.2	.1	.1							116	116						
88/ 87					.4	.7	1.7	1.1	.8	.2	.2	.0							169	169						
86/ 85				.2	.6	1.6	2.4	1.5	.5	.4	.2	.0							242	242						
84/ 83				.4	1.5	2.4	1.9	1.5	.6	.4	.1	.0							279	279						
82/ 81		.2	1.0	1.8	2.1	2.1	1.4	.7	.4	.1									317	317	5					
80/ 79		.3	1.1	2.3	2.4	1.9	1.7	1.0	.3	.1									364	364	40	2				
78/ 77		.1	1.1	1.5	1.9	1.8	1.9	1.0	.7	.2									333	333	151	25				
76/ 75		.1	1.3	1.4	1.6	2.0	1.9	1.4	.4	.1									336	336	369	51				
74/ 73	.0	.6	1.3	1.3	1.4	1.9	1.8	.7	.3	.1									292	292	357	162				
72/ 71	.1	.6	1.3	1.1	1.4	1.4	1.0	.6	.2										247	247	432	379				
70/ 69	.2	.9	1.0	1.0	.8	1.2	.7	.5	.1	.0									209	209	383	371				
68/ 67	.1	.7	.9	.5	.7	.7	.5	.2	.1										124	124	374	367				
66/ 65	.0	.3	.3	.3	.5	.3	.4	.0											70	70	340	326				
64/ 63	.1	.3	.2	.2	.2	.2	.1												42	42	309	286				
62/ 61		.1	.2	.3	.1	.1	.0												24	24	214	240				
60/ 59		.2	.1	.0	.1	.0	.0												13	13	158	252				
58/ 57				.0	.0	.0													2	2	94	203				
56/ 55				.0	.0	.0													2	2	57	223				
54/ 53																					19	132				
52/ 51																					7	102				
50/ 49																					5	77				
48/ 47																					1	45				
46/ 45																						42				
44/ 43																						17				
42/ 41																						6				
40/ 39																						5				
38/ 37																						2				
36/ 35																						2				
TOTAL	.5	3.9	7.8	10.5	15.2	18.6	19.0	12.9	7.0	2.9	1.1	.5	.0						3255	3255	3255	3255				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																				
Rel. Hum.	13163384	201950	62.0	13.956	3255	≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb	19947879	253833	78.0	6.864	3255			88.6	72.1	39.8	1.0	93														
Wet Bulb	15298428	222352	68.3	5.797	3255			58.6	24.6	.6		93														
Dew Point	13196884	205856	63.2	7.394	3255			36.8	6.9	.0		93														

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 AUG  
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400  
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
100/ 99										.0								8	8		
98/ 97										.1	.2	.2	.1	.0				21	21		
96/ 95								.0	.2	.8	.5	.4	.2	.1				71	71		
94/ 93										.7	.9	.6	.3	.1	.0			95	95		
92/ 91							.1	.4	.8	1.9	1.3	.6	.2	.1				178	178		
90/ 89						.1	.6	.9	2.0	1.7	1.1	.8	.2	.1				244	244		
88/ 87					.3	1.1	1.6	1.9	1.6	1.0	.8	.2	.1					279	279		
86/ 85			.0	.1	.5	1.4	1.8	2.5	1.7	1.5	.7	.2	.0					341	341		
84/ 83				.4	1.0	1.2	2.2	2.3	2.2	1.1	.6	.0						362	362		
82/ 81			.1	.7	1.1	1.6	1.4	2.3	2.1	1.4	.5							362	362	18	
80/ 79		.0	.5	.9	1.3	1.4	1.3	2.1	1.6	.9	.2							327	327	88	1
78/ 77			.4	.7	1.2	.9	1.6	1.4	1.4	.3	.2	.1						265	265	227	34
76/ 75		.2	.5	.6	.8	.6	1.3	1.4	1.1	.7	.1							237	237	369	81
74/ 73		.3	.7	.5	.5	.6	1.1	.7	.7	.2								171	171	386	177
72/ 71		.2	.4	.3	.3	.4	.5	.6	.3	.1	.0							102	102	410	257
70/ 69	.1	.3	.3	.4	.3	.3	.3	.4	.1	.0								80	80	392	316
68/ 67		.4	.2	.1	.2	.2	.1	.1										42	42	349	362
66/ 65	.1	.3	.3	.2	.1	.0	.2											39	39	344	302
64/ 63	.0	.3	.3	.2	.1	.0	.1											21	21	248	278
62/ 61		.1	.1	.0			.1											8	8	187	252
60/ 59		.0	.0															2	2	113	246
58/ 57																				79	215
56/ 55																				28	227
54/ 53																				13	164
52/ 51																				4	115
50/ 49																					83
48/ 47																					43
46/ 45																					46
44/ 43																					24
42/ 41																					12
40/ 39																					7
36/ 35																					5
TOTAL	.2	1.9	3.8	5.1	7.9	10.3	14.9	18.6	17.1	11.3	5.6	1.9	.9	.2	.0			3255	3255	3255	3255
Element (X)	Σx²		Σx		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum	10113794		179557		53.914		0.81		3255		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb	22087150		267158		82.1		7.008		3255				91.0	84.6	61.4	5.6	93				
Wet Bulb	15786408		225916		69.4		5.721		3255				64.0	31.1	1.3		93				
Dew Point	13095625		204601		62.9		7.739		3255				35.1	8.4	.0		93				

USAFETAC FORM 0-26 5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70

AUG  
 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															
102/101														.1				2	2																	
100/99														.0	.0			7	7																	
98/97										.1	.2	.1	.0	.0				11	11																	
96/95								.0	.2	.5	.7	.3	.2	.0				64	64																	
94/93						.0	.0	.3	.6	.8	.7	.3	.2	.0				98	98																	
92/91					.0	.1	.2	.9	1.3	1.3	.2	.4	.2					152	152																	
90/89					.1	.4	1.0	1.4	1.9	1.1	.8	.2	.2					229	229																	
88/87				.1	.5	.9	1.6	1.6	1.9	1.0	.6	.2	.3					279	279																	
86/85				.2	.7	1.9	1.9	2.4	1.9	1.2	.6	.2						354	354																	
84/83			.1	.4	.9	1.9	1.8	2.1	1.8	1.5	.6	.0						361	361	2																
82/81			.1	.8	1.5	1.7	1.7	2.0	2.0	1.3	.6							379	379	14																
80/79	.0	.1	.4	.8	1.3	1.5	1.5	2.3	1.8	.8	.3							391	351	87	11															
78/77		.1	.4	.6	.8	1.1	1.4	1.6	1.0	.4	.2							247	247	208	36															
76/75		.2	.5	.7	.6	1.1	1.6	1.3	.9	.3	.1							239	239	356	76															
74/73		.3	.5	.7	.6	.8	1.1	.7	.6	.2	.1							175	175	416	172															
72/71		.4	.4	.3	.4	.6	.6	.5	.2	.0								112	112	407	250															
70/69	.1	.4	.5	.2	.3	.5	.2	.3	.1	.0	.0							84	84	380	310															
68/67	.1	.2	.3	.3	.2	.2	.2	.1										49	49	362	352															
66/65	.1	.3	.1	.2	.1	.0	.1											30	30	336	309															
64/63		.1	.3	.1	.0	.0	.0											18	18	293	277															
62/61		.1					.1											6	6	163	259															
60/59		.1	.0															4	4	123	264															
58/57																				67	239															
56/55																				22	223															
54/53																				10	164															
52/51																				5	106															
50/49																					70															
48/47																					52															
46/45																					48															
44/43																					14															
42/41																					6															
40/39																					6															
38/37																					3															
34/33																					1															
Element (X)	Σ X'		Σ X		X̄		s <sub>x</sub>		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) JUL 64  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS AUG 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																		
96/ 95																																		3	3			
94/ 93																																		3	3			
92/ 91																																		11	11			
90/ 89																																		27	27			
88/ 87																																		58	58			
86/ 85																																		09	109			
84/ 83																																		167	167			
82/ 81																																		262	262	3		
80/ 79																																		361	361	25		
78/ 77																																		341	341	102		
76/ 75																																		379	379	262		
74/ 73																																		365	365	328		
72/ 71																																		311	311	381		
70/ 69																																		272	272	443		
68/ 67																																		190	190	344		
66/ 65																																		140	140	352		
64/ 63																																		81	81	286		
62/ 61																																		51	51	274		
60/ 59																																		21	21	174		
58/ 57																																		8	8	94		
56/ 55																																		2	2	52		
54/ 53																																		1	1	26		
52/ 51																																		1	1	13		
50/ 49																																				3		
48/ 47																																				2		
46/ 45																																						
44/ 43																																						
42/ 41																																						
40/ 39																																						
38/ 37																																						
TOTAL																																				3164	3164	3164
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.	15733919	219223	69.3	13.122	3164	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	17982500	237670	75.1	6.397	3164			84.0	61.3	23.8	.2	93																										
Wet Bulb	14617631	214291	67.7	5.738	3164			55.5	21.2	.3		93																										
Dew Point	13058938	202052	63.9	7.022	3164			37.8	8.9	.1		93																										

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 AUG  
 STATION STATION NAME YEARS 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			
86/85				.1	.0	.0	.1											5	5					
84/83				.1	.1	.2	.2											19	19					
82/81			.1	.4	.6	.4	.2											51	51					
80/79		.2	.3	1.0	.7	.2	.1	.1	.0									94	94	3				
78/77		.7	2.3	2.0	.8	.4	.1		.0									189	189	15	5			
76/75		2.4	3.5	2.3	1.3	.4	.2	.2										304	304	93	33			
74/73	.2	3.1	3.5	2.3	1.4	.7	.3											342	342	236	135			
72/71	.4	3.6	4.0	2.9	1.4	.6	.2											384	384	322	226			
70/69	.3	3.1	4.2	3.0	1.2	.6	.0											366	366	350	344			
68/67	.6	2.5	2.9	2.6	1.2	.4	.1											331	331	343	309			
66/65	.2	1.9	4.4	2.6	.8	.3	.0	.0										304	304	357	286			
64/63		1.4	3.4	1.7	.6	.1												214	214	293	300			
62/61	.1	1.4	1.4	1.3	.3	.1												134	134	309	292			
60/59	.0	.8	1.6	.9	.4	.1												113	113	253	267			
58/57		.4	.8	.3	.1	.1												51	51	142	229			
56/55		.1	.6	.2	.0													26	26	120	184			
54/53		.1	.2	.0														9	9	52	120			
52/51		.0	.1															4	4	38	79			
50/49			.0															1	1	12	65			
48/47			.0															1	1	2	34			
46/45																				2	12			
44/43																					6			
42/41																					7			
40/39																					1			
TOTAL	1.9	21.7	34.9	23.9	11.1	4.5	1.6	.3	.0	.0								2942	2942	2942	2942			
Element (X)	Zx <sup>2</sup>	Zx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																		
Rel Hum	19093173	235039	79.9	10.360	2942	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	14432569	205331	69.8	5.886	2942			65.9	31.7	3.5		93												
Wet Bulb	12717217	192657	65.5	5.862	2942			43.1	11.0			93												
Dew Point	11843250	185616	63.1	6.709	2942			33.3	5.5			93												

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/IIAC

PSYCHROMETRIC SUMMARY

14806 CHANLIE AFB ILLINOIS/RANTOUL 36-63

SEP

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
80/ 79				.1		.1	.0	.0										6	6	
78/ 77			.2	.4	.1	.1	.0	.0										20	20	
76/ 75		.2	1.0	.5	.5	.1	.1	.0										59	59	
74/ 73		.8	.9	1.0	.4	.2	.0	.0										82	82	6
72/ 71	.3	2.0	1.3	1.1	.4	.2		.0										135	135	69
70/ 69	.4	3.1	1.6	1.1	.5	.4	.1	.0										179	179	125
68/ 67	.3	2.6	2.0	1.2	.3	.2	.0											165	165	156
66/ 65	.6	2.3	2.8	.9	.7	.2	.1											187	187	153
64/ 63	.6	2.2	2.4	1.3	.7	.2												178	178	160
62/ 61	.2	2.4	2.2	.8	.4	.2												153	153	174
60/ 59	.3	3.0	2.2	1.1	.7	.2												185	185	192
58/ 57	.2	3.0	2.7	1.4	.8	.0												200	200	170
56/ 55	.3	3.1	2.9	1.6	.4	.0												206	206	197
54/ 53	.1	2.8	2.2	1.5	.5	.1												179	179	189
52/ 51	.1	2.8	1.9	1.0	.2	.0												149	149	191
50/ 49	.2	2.1	2.0	.7	.0													122	122	175
48/ 47		1.0	1.7	.1	.0													70	70	143
46/ 45	.0	1.7	1.1	.1	.0													73	73	121
44/ 43		.8	.9	.3														49	49	81
42/ 41		.7	.7	.0														34	34	52
40/ 39		.3	.4	.1														20	20	43
38/ 37		.0	.1															3	3	26
36/ 35				.0														1	1	9
34/ 33																				2
32/ 31			.1															2	2	1
30/ 29																				2
28/ 27																				1
26/ 25																				3
TOTAL	3.6	37.0	33.4	16.2	6.8	2.2	.4	.1	.2									2457	2457	2457
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	16608281	200139	81.5	11.035	2456	< 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	9004005	147167	59.9	8.775	2457		.1	23.7	6.1	.1			90							
Wet Bulb	8029269	133329	56.5	8.677	2457		.1	13.8	1.0				90							
Dew Point	7392965	132709	54.0	9.371	2457		.8	10.1	.2				90							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-65 SEP  
 STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500  
 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															
78/77		.0	.2	.1		.2																											12	12		
76/75		.2	.2	.2		.1																											15	15		1
74/73		.5	1.0	.3		.3																										54	54	10	4	
72/71	.3	2.2	1.2	.4		.1																										107	107	48	36	
70/69	.7	2.8	1.7	.2		.2																										149	149	114	84	
68/67	1.0	2.8	1.5	.7		.3				.1																						166	166	142	135	
66/65	1.0	2.8	2.2	1.1		.1				.3																						191	191	161	130	
64/63	.5	3.2	2.0	.6		.3				.0										.1												169	169	133	140	
62/61	.5	3.2	1.6	.7		.2				.1																						158	158	176	135	
60/59	.5	3.2	1.5	1.0		.2				.1																						183	183	193	146	
58/57	.4	4.0	1.5	.8		.2				.1																						178	178	170	197	
56/55	.3	3.8	3.3	1.5		.2																										221	221	177	166	
54/53	.3	3.5	2.0	.7		.2				.0																						185	185	188	155	
52/51	.4	2.8	1.9	.9		.1																										153	153	192	153	
50/49	.3	3.7	2.4	.9		.0																										186	186	192	179	
48/47	.0	2.6	1.7	.3																												115	115	179	191	
46/45	.1	1.8	1.4	.1																												87	87	139	175	
44/43	.1	2.0	.6	.1		.0																										71	71	103	112	
42/41		1.9	.6	.2																												67	67	85	118	
40/39	.0	.6	.4	.1																												35	35	63	112	
38/37		.4	.2																													16	16	36	75	
36/35		.0	.2																													5	5	22	42	
34/33		.1																														2	2	7	20	
32/31		.0																														1	1	3	11	
30/29		.0																														1	1	1	13	
28/27		.0																														1	1	2	4	
26/25																																				3
24/23																																				1
TOTAL	6.4	49.2	29.7	10.7	2.6	1.3	.1	.1																									2538	2538	2538	2538
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours w/ Temperature																														
Rel. Hum.	18556647	215549	64.9	9.933	2538	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	8690669	146775	57.8	8.935	2538		.1	17.8	2.9			90																								
Wet Bulb	7932809	140053	55.2	8.974	2538	.2	11.2	.4				90																								
Dew Point	7418572	134960	53.2	9.760	2538	1.1	9.2	.2				90																								

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

SEP

STATION

STATION NAME

YEARS

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
88/ 87								.0										1	1	
86/ 85								.1	.0									4	4	
84/ 83								.0	.1	.0								3	5	
82/ 81			.0			.1	.1	.1										10	10	
80/ 79			.0	.4		.2	.2	.2	.2									41	41	
78/ 77			.6	.3	.4	.2	.2	.1										60	60	1
76/ 75		.3	.6	.6	.5	.3	.3											82	82	7
74/ 73		.7	1.0	.7	.4	.3	.1	.0	.1		.0						107	107	52	
72/ 71	.2	1.6	1.5	1.1	.6	.3	.1			.0							173	173	93	
70/ 69	.2	2.2	1.7	1.2	.7	.4	.2	.0	.0								207	207	150	
68/ 67	.5	2.5	1.7	1.0	.8	.3	.2										222	222	208	
66/ 65	.7	2.5	1.9	1.2	.8	.4	.2	.0	.0								245	245	231	
64/ 63	.4	2.6	1.9	1.6	.9	.4	.3	.0									253	253	207	
62/ 61	.3	2.3	1.7	1.1	.8	.2											209	209	202	
60/ 59	.2	3.0	2.3	1.6	.6	.2	.0										250	250	241	
58/ 57	.3	2.3	1.9	1.7	.6	.2											223	223	262	
56/ 55	.3	2.7	3.0	1.7	.4	.0											254	254	220	
54/ 53	.3	1.9	2.0	1.2	.2	.1	.0										176	176	258	
52/ 51	.1	2.2	2.0	1.3	.2	.0	.0										186	186	230	
50/ 49	.1	1.7	1.6	.6	.1												132	132	227	
48/ 47	.0	1.3	1.3	.4	.0												103	103	160	
46/ 45	.1	1.3	.8	.2	.0												74	74	137	
44/ 43	.1	1.0	.6	.0	.0												54	54	96	
42/ 41	.0	.7	.3	.1													35	35	69	
40/ 39		.5	.3														28	28	42	
38/ 37		.3	.1	.0													12	12	32	
36/ 35			.0														1	1	17	
34/ 33		.0															1	1	1	
32/ 31		.0															1	1	3	
30/ 29																			1	7
28/ 27																				3
26/ 25																				3
22/ 21																				1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTHUL STATION NAME 26-70 YEARS SEP 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
98/ 97																		1	1	
96/ 93																		7	7	
94/ 93																		7	7	
92/ 91																		14	14	
90/ 89																		35	35	
88/ 87																		70	70	
86/ 85																		113	113	
84/ 83																		124	124	
82/ 81																		170	170	1
80/ 79																		181	181	2
78/ 77																		211	211	19
76/ 75																		216	216	104
74/ 73																		237	237	146
72/ 71																		236	236	175
70/ 69																		248	248	268
68/ 67																		245	245	270
66/ 65																		219	219	248
64/ 63																		175	175	261
62/ 61																		196	196	240
60/ 59																		127	127	225
58/ 57																		108	108	242
56/ 55																		72	72	274
54/ 53																		51	51	231
52/ 51																		34	34	155
50/ 49																		30	30	109
48/ 47																		18	18	84
46/ 45																		6	6	61
44/ 43																		2	2	26
42/ 41																				12
40/ 39																				8
38/ 37																				6
36/ 35																				53
34/ 33																				59
32/ 31																				17
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14006 CHANDLER AFB ILLINOIS/RANTOLL 16-70

SEP  
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															
100/ 99													.0		.0	.0	.1	.1										8	8						
98/ 97															.2	.2	.0	.0	.0									16	16						
96/ 95													.0	.1	.3	.2	.1	.1										21	21						
94/ 92											.0	.1	.1	.3	.2	.2	.1											31	31						
92/ 91											.2	.6	.7	.5	.8	.4	.6	.0	.0									67	67						
90/ 89							.0	.2	.6	.7	.5	.8	.4	.6	.0	.0												122	122						
88/ 87				.0	.1	.1	.6	.8	.9	1.1	.9	1.1	.9	.6	.5	.4	.0											173	173						
86/ 85				.1	.1	.6	.8	1.2	1.2	1.0	1.0	.3	.2	.1														196	196						
84/ 83			.0	.1	.6	.9	.9	1.0	.7	.6	.2	.1																166	166						
82/ 81			.2	.3	.9	.8	.9	1.0	1.0	1.0	.8	.5	.2	.1														219	219	1					
80/ 79		.2	.3	.9	.8	.9	1.0	1.0	1.0	.8	.5	.2	.1	.0														216	216	9	2				
78/ 77		.1	.4	1.0	.9	.9	1.2	1.1	1.1	.8	.5	.2	.0															220	220	30	3				
76/ 75	.0	.2	.3	.6	.7	.9	1.0	1.2	1.5	1.6	.7	.1																278	278	120	9				
74/ 73		.5	.7	.4	.7	.8	.9	1.3	1.7	1.5	.3																	266	266	108	32				
72/ 71	.0	.5	.4	.4	.3	.6	.9	1.3	1.0	.7	.1	.1																198	198	237	82				
70/ 69	.1	.5	.6	.2	.4	.5	1.1	1.4	1.2	.1	.1																	196	196	306	142				
68/ 67		.5	.3	.3	.5	.7	1.2	1.2	.8	.2	.0																		183	183	279	178			
66/ 65		.2	.2	.3	.5	.8	1.1	1.1	.1	.1																			141	141	277	199			
64/ 63	.1	.4	.6	.1	.4	.6	1.0	.7	.2																				126	126	222	174			
62/ 61		.4	.2	.2	.3	.4	.9	.4	.1																				91	91	216	210			
60/ 59	.2	.4	.3	.4	.3	.3	.3	.1																					72	72	261	204			
58/ 57		.2	.2	.2	.3	.2	.3	.0																					44	44	282	180			
56/ 55	.0	.3	.1	.1	.1	.3	.2																						23	23	238	195			
54/ 53		.2	.1	.1	.2	.1	.0	.1																					25	25	176	182			
52/ 51		.2	.2	.0	.1	.1	.0																						20	20	134	200			
50/ 49		.2			.0	.1																							10	10	71	172			
48/ 47		.2	.0		.0																								7	7	59	185			
46/ 45		.0																											1	1	30	182			
44/ 43		.0																											1	1	17	146			
42/ 41																														6	6	139			
40/ 39																															5	115			
38/ 37	.0																												1	1	82				
36/ 35	.0	.0																											2	2	1	44			
34/ 33																														1	1	29			

Element (Y)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC JOB 0-26-5 (21 A) REVISED PER CONS. EDITIONS BY THIS PLAN ARE OBSOLETE  
 1 JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14800 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS SEP 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
32/ 31																								23
30/ 29																								16
28/ 27																								7
26/ 25																								3
24/ 23																								4
20/ 19																								2
TOTAL	.3	4.8	4.3	4.5	7.0	10.3	14.1	16.3	14.8	10.8	6.5	3.0	2.5	.6	.2	.1				3150	3150	3150		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	9010267	159209	50.617	17.17	3150							
Dry Bulb	18236370	237588	75.347	7.48	3150			73.6	97.1	32.3	2.2	90
Wet Bulb	12579818	177700	62.847	7.806	3150			33.1	4.6	.1		90
Dew Point	9622057	171300	54.410	6.92	3150	1.6	12.8	1.3				90

USAF ETAC FORM 0-20-5 (OLA) REVISION 10-64 USE PREVIOUS EDITIONS

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 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																
100/ 99															.0	.1																	3	3			
98/ 97																.1	.1																10	10			
96/ 95																.2	.2																15	15			
94/ 93													.0	.0	.2	.3	.3	.2	.0														34	34			
92/ 91										.0	.1	.2	.6	.2	.3	.3																	54	54			
90/ 89										.2	.6	.5	.5	.5	.4	.4	.0																97	97			
88/ 87								.0	.4	.7	.7	.9	.6	.3	.2	.0																	124	124			
86/ 85				.0	.1	.3	.4	1.0	1.0	.8	.7	.4	.1	.0																			153	153			
84/ 83				.0	.6	.5	.7	1.0	1.0	.9	.6	.3	.1																				162	162			
82/ 81				.2	.3	1.0	1.4	1.1	1.0	1.3	.5	.2	.1																				225	225			
80/ 79			.1	.4	.5	1.1	1.2	1.0	1.2	.8	.7	.3	.1	.0																			233	233	3		
78/ 77		.0	.3	.6	1.0	.8	.9	.8	1.4	1.0	.7	.3	.1	.0																			249	249	25	1	
76/ 75		.3	.2	.7	1.0	.8	.8	1.3	1.5	1.4	.8	.0																					276	276	104	7	
74/ 73		.3	.3	.8	.5	.8	1.2	1.6	1.2	1.3	.2	.1																					259	259	156	40	
72/ 71	.1	.5	.3	.4	.5	.4	.9	1.2	1.4	.4	.1																						198	198	207	74	
70/ 69	.1	.8	.3	.5	.6	.6	1.1	1.4	1.0	.3	.1																						214	214	313	124	
68/ 67	.1	.7	.4	.3	.6	.6	1.0	1.0	.6	.2																							177	177	289	162	
66/ 65	.0	.5	.2	.4	.6	.8	1.2	1.1	.6	.1																							172	172	252	218	
64/ 63	.0	.5	.4	.3	.5	.4	.7	.9	.2																								124	124	254	193	
62/ 61	.0	.3	.2	.3	.4	.7	.7	.3	.1																								96	96	242	203	
60/ 59		.7	.3	.1	.4	.6	.4	.4	.0																								88	88	270	178	
58/ 57		.5	.1	.3	.3	.1	.3	.1																									50	50	270	193	
56/ 55	.0	.3	.1	.2	.2	.2	.1	.1																									37	37	251	198	
54/ 53		.2	.1	.2	.3	.2	.1	.0																									34	34	163	215	
52/ 51	.0	.1	.1	.3	.1	.1		.0																									21	21	139	196	
50/ 49		.3	.1	.0		.1																											15	15	89	167	
48/ 47					.0																												1	1	49	165	
46/ 45																																				42	170
44/ 43		.1																															2	2	15	168	
42/ 41		.0																															1	1	6	137	
40/ 39																																			3	98	
38/ 37																																				97	
36/ 35	.1																																3	3	3	59	
34/ 33																																				23	
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>r</sub>		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) JUL 64 REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70

SEP  
 MONTH

PAGE 2 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															
32/ 31																						27														
30/ 29																						17														
28/ 27																						5														
26/ 25																						5														
24/ 23																						2														
20/ 19																						1														
18/ 17																						2														
TOTAL	.5	6.1	3.7	5.8	8.0	10.2	13.6	15.7	13.5	10.5	6.1	3.1	2.0	.3	.2				3147		3147															
																		3147		3147																

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	9445664	162880	51.8	17.924	3145	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	17818129	234872	74.6	9.578	3147			71.6	54.7	29.4	1.4	90
Wet Bulb	12438429	196351	62.4	7.719	3147			31.4	8.2	.1		90
Dew Point	9607025	170735	54.3	10.458	3147		1.7	11.7	1.4			90

USAFETAC FORM 0-26 5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL 36-70 SEP  
 STATION STATION NAME YEARS MONTH

PAGE 1 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
92/ 91									.0	.0	.0							3	3		
90/ 89								.0	.1	.1	.1							10	10		
88/ 87								.0	.0	.1	.1	.0						10	10		
86/ 85								.1	.3	.2	.2	.1	.0					30	30		
84/ 83					.2	.3	.3	.3	.2	.1								41	41		
82/ 81			.0	.1	.5	.5	.4	.5	.2	.1	.0							71	71		
80/ 79		.0	.3	.5	.6	.8	.7	.5	.2	.1	.1							117	117		
78/ 77		.0	.5	.7	1.0	.8	.9	.5	.3	.1	.1							150	150	3	
76/ 75		.2	.6	.9	1.2	1.4	.8	.4	.2	.2	.0							180	180	26	2
74/ 73	.0	.7	.8	1.8	1.1	.9	.9	.3	.4	.1								222	222	102	28
72/ 71	.2	1.0	1.5	1.4	1.4	.9	1.0	.5	.2									245	245	128	81
70/ 69	.1	1.2	1.4	1.4	1.2	1.3	1.0	.7	.2	.1								264	264	212	96
68/ 67	.1	1.4	1.3	1.1	1.3	1.6	1.0	.7	.1									264	264	240	177
66/ 65	.1	1.7	1.1	1.3	1.7	1.4	.6	.5	.0									258	258	274	172
64/ 63	.0	1.0	1.2	1.4	1.8	1.3	1.0	.3										245	245	228	225
62/ 61		.8	1.0	1.4	1.6	1.4	.6	.1	.0									212	212	234	197
60/ 59	.1	.9	.9	1.7	1.5	1.0	.4	.1										200	200	247	202
58/ 57	.1	.7	1.2	1.2	1.1	1.0	.1	.0										163	163	268	205
56/ 55	.0	.6	.9	1.4	1.0	.4	.1	.0										136	136	253	206
54/ 53	.0	.2	.4	.9	.7	.1												72	72	230	200
52/ 51		.4	.6	.8	.7	.1	.0											80	80	195	214
50/ 49		.3	.3	.4	.5													45	45	151	181
48/ 47		.2	.3	.3	.0	.1	.1											27	27	118	189
46/ 45		.0	.2	.1	.0													12	12	72	169
44/ 43		.0	.1	.0														6	6	42	147
42/ 41		.1		.1														5	5	29	109
40/ 39				.0														1	1	8	112
38/ 37		.0																1	1	6	55
36/ 35	.0																	1	1	4	51
34/ 33	.0																	1	1	1	29
32/ 31																					11
30/ 29																					5
28/ 27																					5
26/ 25																					1
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		σ <sub>x</sub>		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) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 SEP  
STATION STATION NAME YEARS 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	7-6	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
84/ 83				.1	.1	.1	.0	.1		.1								2	2																
82/ 81				.3	.3	.2	.1	.1	.1	.0								11	11																
80/ 79				.7	.7	.6	.4	.4	.2	.1	.0							31	31																
78/ 77		.0	.4	.7	.7	.6	.4	.4	.2	.1	.0							52	52																
76/ 75		.2	.9	1.0	.8	.8	.4	.4	.2	.1	.0							103	103	7															
74/ 73		.5	1.0	.9	.5	.3	.1	.1	.0	.0								100	100	37	9														
72/ 71	.3	1.3	1.9	1.2	1.2	.3	.3											190	190	93	61														
70/ 69	.5	2.3	2.2	1.8	.9	.3	.2	.1	.1									242	242	129	99														
68/ 67	.2	1.7	1.6	2.0	.8	.6	.1	.1										202	202	211	150														
66/ 65	.5	2.2	2.4	2.0	1.0	.5	.1											248	248	206	163														
64/ 63	.1	1.6	1.9	1.8	1.2	.6	.3	.0										214	214	201	154														
62/ 61	.1	1.9	1.8	1.7	1.2	.8	.1											214	214	215	186														
60/ 59	.3	1.8	2.3	2.1	1.0	.5	.3											235	235	213	213														
58/ 57	.1	2.3	2.7	1.9	1.0	.4	.1											241	241	241	197														
56/ 55	.2	2.0	2.7	1.6	.7	.2												212	212	232	198														
54/ 53	.0	1.3	2.6	1.8	.6													182	182	244	192														
52/ 51		.8	1.7	1.0	.2	.0												106	106	203	208														
50/ 49		.7	1.9	.7	.2	.0												101	102	182	194														
48/ 47	.1	.3	1.2	.9	.1													80	80	169	189														
46/ 45		.5	.4	.8	.1													49	49	112	149														
44/ 43		.2	.4	.1	.0													22	22	64	134														
42/ 41		.2	.2	.0	.0													13	13	46	129														
40/ 39	.0		.1	.1														7	7	41	97														
38/ 37	.0	.0	.0	.1														5	5	7	55														
36/ 35																				5	46														
34/ 33																				3	29														
32/ 31																				1	7														
30/ 29																					7														
28/ 27																					1														
26/ 25																					4														
24/ 23																					1														
TOTAL	2.4	21.9	30.3	24.3	12.0	5.6	2.3	.6	.3	.1									2862	2864	2862														
																			2862		2862														
Element (X)	Σ X <sup>2</sup>	Σ X	$\bar{X}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel Hum.	17173020	218600	76.4	12.826	2861	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	11222123	177633	62.0	8.458	2864			29.3	9.4	1.0		90																							
Wet Bulb	9655700	164340	57.5	6.278	2862			.0	15.0	1.4		90																							
Dew Point	8667032	155110	54.2	9.544	2862			.6	10.0	.3		90																							

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/BAHNTOL 36-63 NCT  
STATION STATION NAME YEARS 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					
76/75				.0														1	1							
74/73			.0	.1														3	3							
72/71		.5	.2		.0													19	19	3	1					
70/69		.5	.2	.2	.1	.1		.0										28	28	21	12					
68/67	.2	.8	.4	.3	.1	.0	.1											49	49	20	22					
66/65	.3	.7	.7	.3	.3	.1	.1											67	67	42	36					
64/63	.4	1.3	.6	.3	.2	.2	.1	.0										77	77	45	41					
62/61	.5	1.8	.5	.7	.4	.3	.1											111	111	82	53					
60/59	.2	2.2	1.4	1.2	.5	.6	.1											163	163	82	69					
58/57	.3	2.3	1.5	1.5	.9	.3												180	180	103	82					
56/55	.5	2.3	1.6	1.4	.6	.4												180	180	143	105					
54/53	.4	2.1	1.9	1.4	.4	.1												164	164	168	95					
52/51	.3	2.4	2.1	1.9	.4		.1											186	186	176	140					
50/49	.2	2.5	3.1	1.6	.6	.2	.0											211	211	186	143					
48/47	.1	2.9	2.9	1.5	.5	.1												207	207	202	154					
46/45	.3	3.4	3.0	1.2	.2	.1												211	211	229	150					
44/43	.4	2.6	2.7	1.0	.2	.0												180	180	221	220					
42/41	.2	2.4	2.7	.5	.0													151	151	210	243					
40/39	.3	1.9	2.5	.2	.0													128	128	183	218					
38/37	.1	1.8	1.2	.5	.1													94	94	157	138					
36/35		1.3	.6	.3	.1													58	58	114	179					
34/33	.0	.7	.8															39	39	55	141					
32/31	.1	.9	.7	.0														45	45	48	115					
30/29	.2	.2	.2															14	14	53	71					
28/27	.1	.2	.2															12	12	27	33					
26/25	.0	.2	.0															6	6	6	46					
24/23		.0	.0															2	2	8	34					
22/21																				2	18					
20/19																					8					
18/17																					8					
16/15																					7					
14/13																					4					
TOTAL	9.2	37.8	31.9	16.1	5.8	2.5	.6	.1										2586	2586	2586	2586					
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total														
Rel Hum	16569447	204219	79.0	12.987	2586	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb	6730050	129736	50.2	9.254	2586		2.8	3.6				93														
Wet Bulb	5897354	121202	46.9	9.157	2586		5.2	1.6				93														
Dew Point	5194085	112751	43.6	10.371	2586		12.4	1.3				93														

USAFETAC FORM 0-76-5 (OL A) REVISIONS INDICATED BY THIS FORM ARE OBSOLETE  
 JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-65

JCT  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

USAFETAC FORM 0 26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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		
74/ 73		.0	.2																	5	5			
72/ 71		.2	.2																	12	12	4		
70/ 69	.0	.5	.0	.1																17	17	14	15	
68/ 67	.0	.9	.3	.2																30	38	20	14	
66/ 65	.3	1.4	.3	.2	.0		.0													57	57	36	27	
64/ 63	.3	.9	.6	.2	.1	.2	.0		.0											64	64	55	47	
62/ 61	.3	1.9	.4	.5	.1	.3														91	91	49	56	
60/ 59	.6	1.9	.7	.3	.2	.1	.0													104	104	93	67	
58/ 57	.5	2.4	1.3	.7	.3	.1														142	142	90	73	
56/ 55	.8	2.9	2.0	.9	.6	.0														169	189	122	91	
54/ 53	.3	2.5	1.7	.9	.5	.1														158	158	141	113	
52/ 51	.4	2.6	1.9	.9	.5	.0														170	170	156	120	
50/ 49	.5	2.6	3.5	.0	.1	.1	.0													198	198	166	133	
48/ 47	.3	3.2	3.4	.8	.3	.1														214	215	190	132	
46/ 45	.0	4.1	2.8	1.0	.2															225	225	243	173	
44/ 43	.5	3.1	3.0	.6	.1	.1														194	124	229	222	
42/ 41	.3	3.0	2.9	.5	.0		.0													180	180	188	216	
40/ 39	.3	3.8	1.8	.3	.0	.0														172	172	205	223	
38/ 37	.2	2.8	1.8	.3																135	135	182	164	
36/ 35	.3	1.9	.7	.2	.0															82	82	147	188	
34/ 33	.2	1.2	.9	.2																65	65	91	159	
32/ 31	.0	1.3	.8																	56	56	56	98	
30/ 29	.2	.9	.3																	36	36	83	105	
28/ 27	.1	.4	.1																	16	16	41	54	
26/ 25	.1	.2																		8	8	13	53	
24/ 23		.2	.0																	6	6	7	36	
22/ 21		.0																		1	1	6	22	
20/ 19																						1	9	
18/ 17																							11	
16/ 15																							3	
14/ 13																							1	
12/ 11																							1	
8/ 7																							1	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	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																								



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHAMBLE AFB ILLINOIS/RANTUUL

36-70

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800  
 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			
82/ 81				.0	.0	.0				.0									1	1					
78/ 77																			3	3					
74/ 73			.1	.1			.0												6	6	1				
72/ 71		.2	.1	.1	.2	.1		.0											22	22	6	3			
70/ 69	.1	.2	.3	.2		.1	.2	.0											37	37	11	12			
68/ 67	.2	.3	.5	.3	.2	.1	.1												72	72	25	12			
66/ 65	.2	.3	.5	.5	.3	.3	.1	.0											93	93	50	36			
64/ 63	.2	1.3	1.1	.4	.4	.4	.1	.0											126	126	75	59			
62/ 61	.4	1.0	.6	.5	.5	.3	.1												126	126	93	74			
60/ 59	.3	2.2	.8	.6	.4	.3		.0											149	149	122	84			
58/ 57	.7	2.0	1.4	1.1	.9	.3													206	206	149	138			
56/ 55	.5	2.2	1.4	.9	.7	.1													189	189	164	112			
54/ 53	.6	1.7	1.3	1.0	.6	.2													212	212	175	139			
52/ 51	.4	1.9	2.3	1.5	.5	.2	.1												219	220	191	147			
50/ 49	.5	2.5	2.9	1.2	.5	.2													252	252	209	140			
48/ 47	.4	1.8	3.0	1.2	.4	.1													225	225	261	169			
46/ 45	.4	3.3	2.5	1.1	.2														243	244	250	201			
44/ 43	.4	2.1	2.7	.9	.2														205	205	275	232			
42/ 41	.4	2.9	2.2	.7	.1														203	203	223	270			
40/ 39	.3	2.2	2.2	.4	.0														166	165	230	247			
38/ 37	.2	2.0	1.4	.2															125	125	184	215			
36/ 35	.1	2.4	1.0	.2															121	121	167	201			
34/ 33	.0	1.7	1.2	.2															99	99	112	179			
32/ 31	.1	1.5	.4	.0															68	68	97	151			
30/ 29	.1	.7	.1																32	32	92	121			
28/ 27		.3	.1																20	20	36	92			
26/ 25	.0	.1	.0																6	6	16	79			
24/ 23		.0	.0																2	2	4	40			
22/ 21		.1																	3	3	2	28			
20/ 19																					4	12			
18/ 17																						3			
16/ 15																						2			
14/ 13																						2			
12/ 11																						2			
Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	Z <sub>xy</sub>	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0 26-5 (OL A) REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806  
STATION

CHANUTE APR ILLINOIS/RANTGUL  
STATION NAME

56-70  
YEARS

OCT  
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														
88/ 87							.0																										1	1			
86/ 85							.0			.1		.0																					4	4			
84/ 83							.0			.1		.0																					11	11			
82/ 81							.1			.1		.2																					38	38			
80/ 79			.0				.1			.3		.3																					63	63			
78/ 77			.0			.1	.1			.2		.3																					87	87			
76/ 75		.0	.1			.1	.4			.4		.5																					190	100		2	
74/ 73		.1	.1			.3	.4			.3		.8																					122	122		3	
72/ 71		.1	.3			.4	.5			.7		.7																					140	140		8	
70/ 69		.1	.3			.6	.6			.6		.6																					141	141		47	
68/ 67	.1	.3	.6			.6	.6			.6		1.0																					187	187		76	
66/ 65	.1	.6	.9			.8	.8			1.0		1.2																					219	219		47	
64/ 63	.1	.8	.8			.8	.8			1.1		1.0																					211	211		159	
62/ 61	.0	1.0	.6			.6	1.2			1.4		.6																					209	209		210	
60/ 59	.2	1.5	.6			.8	1.2			1.9		1.1																					267	267		79	
58/ 57	.2	.9	.9			1.0	1.5			1.1		1.0																					221	221		218	
56/ 55	.2	1.0	1.2			1.1	1.5			1.5		.6																					245	245		234	
54/ 53	.1	.8	1.0			1.5	1.1			1.3		.1																					208	208		277	
52/ 51	.0	.9	.7			1.3	1.5			.9		.1																					175	175		239	
50/ 49	.3	.7	1.3			1.8	1.4			.6																							209	209		303	
48/ 47	.1	.8	.8			1.2	1.1			.3		.0																					147	147		266	
46/ 45	.1	.9	.8			1.3	.6			.1																							129	129		262	
44/ 43		.6	.9			.8	.4			.1		.0																					84	84		206	
42/ 41		.2	.6			.9	.6																										82	82		150	
40/ 39	.0	.2	.5			.5	.1																										47	47		122	
38/ 37	.0	.4	.2			.7	.1																										51	51		104	
36/ 35		.1	.4			.3																											30	30		69	
34/ 33		.1	.1			.0																											8	8		53	
32/ 31						.0																											2	2		35	
30/ 29						.0																											1	1		15	
28/ 27						.0																											1	1		2	
26/ 25																																				1	
24/ 23																																			2		
22/ 21																																				16	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	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 1224 JUL 64 0-76-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/BAHNDUL 36-70 OCT  
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400  
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																
90/ 89								.0	.1	.0		.0																						5	5			
89/ 87								.0	.1	.1		.1	.1	.0																				16	16			
86/ 85								.1	.2	.3	.3	.3	.2	.2	.1	.0																		56	56			
84/ 83								.0	.2	.5	.6	.7	.5	.4	.1	.0																		87	87			
82/ 81							.0	.2	.4	.6	.6	.4	.7	.3	.0																			95	95			
80/ 79					.1	.1	.2	.2	.6	.7	.6	.7	.2	.1																				114	114			
78/ 77		.1		.1	.2	.3	.6	1.0	.7	.9	.5	.2	.1	.0																				153	153			
76/ 75		.0	.2	.1	.5	.7	.7	.7	.7	.8	.6	.0	.1																					170	170			
74/ 73		.0	.2	.2	.2	.8	1.0	.5	.8	.9	.1	.2																						158	158	17	3	
72/ 71		.1	.1	.5	.3	.4	.5	1.1	1.2	1.0	.3																							177	177	39	5	
70/ 69	.1	.2	.2	.1	.4	.5	.6	1.5	1.7	.6	.0	.1																						194	194	74	24	
68/ 67		.4	.5	.4	.6	.5	1.0	1.7	.8	.5	.1																							214	214	103	43	
66/ 65	.1	.4	.5	.5	.3	.6	1.3	1.5	.9	.5																								204	204	168	44	
64/ 63	.1	.5	.5	.5	.9	.8	1.1	1.1	.8	.1																								198	198	201	84	
62/ 61	.0	.5	.5	.4	.5	.8	1.1	1.0	.3	.0																								167	167	212	92	
60/ 59	.1	1.0	.3	.5	.6	1.2	1.9	1.0	.2																									223	223	195	106	
58/ 57		.5	.3	.4	.7	1.2	1.4	.7	.0																									166	166	247	165	
56/ 55	.1	.5	.3	.8	1.0	1.7	1.0	.2																										177	179	275	170	
54/ 53	.0	.8	.5	.5	.8	1.0	.6	.0																										135	135	269	127	
52/ 51	.1	.4	.4	.8	.8	1.1	.2	.0																										125	125	221	144	
50/ 49	.1	.5	.4	.6	.8	.8	.1	.1																										109	109	255	167	
48/ 47		.5	.6	.5	.8	.5	.2																											89	89	255	161	
46/ 45	.0	.5	.4	.4	.3	.4	.0																											69	69	206	224	
44/ 43	.0	.2	.4	.3	.7	.1																												55	55	169	210	
42/ 41		.3	.2	.4	.2																													37	37	107	208	
40/ 39	.0	.2	.3	.2	.1																													24	24	76	223	
38/ 37		.2	.2	.2	.1	.0																												26	26	65	223	
36/ 35			.1	.1		.0																												7	7	54	195	
34/ 33						.0																												1	1	21	161	
32/ 31																																				15	133	
30/ 29																																					2	110
28/ 27																																				1	71	
26/ 25																																				2	65	
24/ 23																																					31	
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		S <sub>x</sub>		Ns. Obs.		Mean No. of Hours with Temperature								Total																			
Rel. Hum.											≤ 0 F	< 32 F	≥ 67 F	> 73 F	> 80 F	> 93 F	Total																					
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 84 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 10-70 OCT  
STATION STATION NAME YEARS MONTH  
PAGE 2 1200-1400  
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	
22/ 21																							34
20/ 19																							11
18/ 17																							8
16/ 15																							4
14/ 13																							3
8/ 7																							1
0/ 5																							2
TOTAL	.8	7.7	6.8	8.4	10.4	14.0	14.0	10.4	7.0	3.0	1.7	.6	.2	.0						3255		3255	

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	S <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	9854247	168217	51.7	8.887	3255							
Dry Bulb	13884523	209227	64.3	11.389	3255			41.2	24.5	9.2		93
Wet Bulb	9650724	174846	53.7	8.916	3255			.6	6.8	.7		93
Dew Point	6868040	144926	44.5	11.297	3255		13.6	2.1	.1			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 OCT  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET GULB 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														
92/ 91										.0								1	1																
90/ 89									.0									1	1																
88/ 87								.1	.1				.0					7	7																
86/ 85							.1	.1	.2	.1	.2	.1	.2	.1	.0			33	33																
84/ 83						.1	.2	.2	.3	.2	.2	.3	.1					50	50																
82/ 81						.2	.3	.3	.4	.2	.3	.0	.0					63	63																
80/ 79					.1	.2	.3	.4	.7	.6	.6	.3	.1					101	101																
78/ 77				.1	.1	.4	.5	.9	.4	.9	.4	.2	.1					127	127																
76/ 75			.1	.2	.4	.5	1.0	.8	.6	.7	.5	.1						152	153	3															
74/ 73		.1	.2	.5	.3	.6	.8	.5	.7	.7	.2	.1						149	149	9															
72/ 71		.2	.2	.6	.6	.9	.9	.7	1.1	.6	.3	.0						194	194	38	6														
70/ 69		.2	.3	.6	.4	.5	.8	1.4	1.4	.5	.1							205	205	58	17														
68/ 67		.3	.3	.4	.5	.7	.8	1.5	.8	.4	.0							192	192	98	32														
66/ 65	.1	.6	.2	.7	.4	.8	1.5	1.1	1.0	.1	.1							217	217	129	58														
64/ 63	.1	.7	.4	.4	.7	1.0	1.0	.8	.5	.0								178	178	201	87														
62/ 61	.2	.5	.5	.4	.6	1.1	1.5	1.0	.2	.0								198	198	208	95														
60/ 59	.1	.6	.4	.8	.6	1.1	2.2	.9	.2									221	221	211	115														
58/ 57	.1	.6	.4	.5	1.0	1.2	1.4	.7	.1									193	195	219	148														
56/ 55	.2	.5	.6	.9	1.1	1.1	.8	.2										172	172	271	151														
54/ 53	.1	.6	.6	.9	1.4	1.2	.9	.1										183	183	261	132														
52/ 51	.1	.6	.6	.7	.6	1.0	.3	.1										137	137	238	156														
50/ 49	.1	.4	.4	1.1	.9	.5	.2											115	115	254	151														
48/ 47		.4	.6	.6	.6	.7	.2											100	100	276	165														
46/ 45	.0	.5	.7	.7	.7	.4												98	98	204	242														
44/ 43	.1	.2	.3	.2	.5	.2												50	50	178	233														
42/ 41		.4	.3	.2	.3	.1												39	39	130	205														
40/ 39		.2	.3	.4	.2													34	34	80	227														
38/ 37		.2	.2	.6	.0													23	23	80	186														
36/ 35	.1		.1	.1	.0													11	11	54	206														
34/ 33		.1	.1		.0													5	5	28	152														
32/ 31																				17	123														
30/ 29																				6	119														
28/ 27																					74														
26/ 25																				1	63														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 (CL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 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
16/ 15																					3
14/ 13																					3
12/ 11																					1
TOTAL	2.5	13.5	21.4	22.5	19.3	10.0	6.3	2.4	1.1	.2	.0							3179		3179	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum	15109673	213175	67.116	0.001	3179							
Dry Bulb	10127887	176639	55.6	9.615	3180		.4	13.2	2.5	.1		93
Wet Bulb	8109812	158056	49.7	8.895	3179		2.2	2.5				93
Dew Point	6359439	140355	44.210	6.62	3179		12.6	1.1				93

USAFETAC Form 0-26 5 (QL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTHOL STATION NAME 36-70 YEARS OCT 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					
82/ 81						.0	.0											2	2							
80/ 79						.0												1	1							
78/ 77					.1													2	2							
76/ 75				.1		.0												5	5							
74/ 73			.3		.0													10	10							
72/ 71		.1	.1	.1	.1	.1	.0											14	14	6						
70/ 69	.0	.7	.5	.0	.2	.1	.1	.1										67	67	21	12					
68/ 67	.0	.4	.4	.4	.4	.1	.1	.1										67	60	32	21					
66/ 65	.3	1.1	.8	.8	.2	.4	.1	.0										112	112	38	40					
64/ 63	.2	1.2	1.2	1.0	.6	.4	.4											148	148	80	49					
62/ 61	.2	1.6	1.2	1.4	.6	.7	.3	.0										180	180	97	73					
60/ 59	.2	1.6	1.6	1.3	1.2	.7	.2	.0										203	203	123	87					
58/ 57	.2	1.4	1.0	1.5	1.4	.8	.0	.0										188	188	154	100					
56/ 55	.2	1.4	1.7	2.0	1.1	.8		.0										215	215	166	131					
54/ 53	.3	1.9	1.7	2.1	.8	.5	.1											222	222	174	124					
52/ 51	.2	1.3	2.2	2.0	.8	.1	.1	.0										203	203	233	137					
50/ 49	.2	1.5	3.0	2.3	1.1	.2	.0											253	253	205	162					
48/ 47		1.8	2.4	2.3	.7	.0												217	217	267	150					
46/ 45	.2	2.2	2.4	2.2	.5	.1												225	225	259	198					
44/ 43	.3	2.0	2.5	1.0	.5													191	191	261	262					
42/ 41	.1	1.0	2.3	1.0	.1	.0												135	135	233	241					
40/ 39	.0	1.2	2.2	.5	.1	.0												120	120	186	239					
38/ 37	.0	1.1	1.2	.5	.0													85	85	159	191					
36/ 35	.1	.5	.9	.2														49	49	118	203					
34/ 33		.4	.8	.1														39	39	59	165					
32/ 31	.1	.3	.3															27	27	60	109					
30/ 29	.1	.4	.2	.1														23	23	35	103					
28/ 27		.1	.1															4	4	24	52					
26/ 25			.0															1	1	9	65					
24/ 23																				2	38					
22/ 21																					74					
20/ 19																					11					
18/ 17																					3					
16/ 15																					4					
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	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 11-64 0 26 5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME

66-70 YEARS

9CT MONTH

PAGE 2 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
14/ 13																						4
TOTAL	2,925	2,291	0,223	510	615	0	1,4	,4												3001		3001
																		3001			3001	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.	17159449	223003	74.3	14.002	3001	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	8349674	155809	51.9	9.313	3001		1.7	5.0	.6	.1		93										
Wet Bulb	7078025	143209	47.7	9.019	3001		4.0	1.8				93										
Dew Point	6026369	130781	43.6	10.441	3001		12.8	1.0				93										

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANT(JUL) 36-63 WJVV  
 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	5	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/ 65			.1			.0															3	3	1	
64/ 63	.0	.1	.3																		11	11	1	
62/ 61	.1	.2	.4	.0	.1	.0															24	24	6	
60/ 59	.1	.3	.3	.3	.1	.0	.0														39	39	9	
58/ 57	.4	.5	.1	.2	.1																33	33	29	
56/ 55	.3	.7	.6	.2	.1																47	47	36	
54/ 53	.3	1.1	.3	.2	.2																51	51	29	
52/ 51	.7	1.1	.2	.4	.0	.0															65	65	51	
50/ 49	.4	1.1	.4	.5	.2	.1															79	79	58	
48/ 47	.3	1.0	1.5	.5	.1																102	102	43	
46/ 45	.7	2.2	1.6	.5	.2	.0															128	128	60	
44/ 43	.5	2.2	2.0	.6	.0																132	132	73	
42/ 41	.3	1.4	1.6	.9	.2																110	110	110	
40/ 39	.3	2.1	2.6	.5	.0																135	135	107	
38/ 37	.3	4.7	1.8	.4																	173	173	83	
36/ 35	.2	5.6	2.2	.5																	211	211	143	
34/ 33	.5	6.1	2.7	.1																	229	229	183	
32/ 31	1.0	5.2	2.6	.0																	217	217	230	
30/ 29	.7	4.2	1.9																		167	167	226	
28/ 27	1.2	3.9	.9																		147	147	134	
26/ 25	.2	3.5	.3																		98	98	194	
24/ 23	.2	2.2	.2																		62	62	160	
22/ 21	.2	2.0	.2																		58	58	122	
20/ 19	.1	1.4	.1																		39	39	56	
18/ 17	.2	.7																			22	22	98	
16/ 15	.2	.7																			21	21	55	
14/ 13	.2	.3																			11	11	48	
12/ 11	.2	.3																			11	11	72	
10/ 9	.2	.7																			8	8	18	
8/ 7	.2	.0																			6	6	18	
6/ 5		.1																			3	3	9	
4/ 3	.0	.1																			3	3	8	
2/ 1		.1																			2	2	2	
0/ -1	.1																				3	3	5	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum						$\leq 0 F$	$> 32 F$	$> 67 F$	$> 73 F$	$> 80 F$	$> 93 F$	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-63 NDV  
STATION STATION NAME YEARS MONTH  
 PAGE 2 0000-0200  
POURS (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																																																																
-2/-3																				1																																																																	
-4/-5																				4																																																																	
-6/-7																				8																																																																	
-8/-9																				1																																																																	
-10/-11																				1																																																																	
TOTAL	10.5	56.3	25.3	6.1	1.9	.3	.0											2450		2451																																																																	
																	2450		2450																																																																		
<table border="1"> <thead> <tr> <th>Element (X)</th> <th><math>\Sigma X^2</math></th> <th><math>\Sigma X</math></th> <th><math>\bar{X}</math></th> <th><math>\sigma_x</math></th> <th>No. Obs.</th> <th colspan="6">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <td>Rel Hum.</td> <td>16474095</td> <td>199039</td> <td>81.2</td> <td>11.143</td> <td>2450</td> <td>≤ 0 F</td> <td>≤ 32 F</td> <td>≥ 67 F</td> <td>≥ 73 F</td> <td>≥ 80 F</td> <td>≥ 93 F</td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>3596279</td> <td>90099</td> <td>36.8</td> <td>10.715</td> <td>2450</td> <td>.1</td> <td>32.3</td> <td></td> <td></td> <td></td> <td></td> <td>90</td> </tr> <tr> <td>Wet Bulb</td> <td>3201610</td> <td>84878</td> <td>34.6</td> <td>10.321</td> <td>2450</td> <td>.2</td> <td>40.7</td> <td></td> <td></td> <td></td> <td></td> <td>90</td> </tr> <tr> <td>Dew Point</td> <td>2736074</td> <td>76930</td> <td>31.4</td> <td>11.453</td> <td>2451</td> <td>.6</td> <td>52.3</td> <td></td> <td></td> <td></td> <td></td> <td>90</td> </tr> </thead> </table>																					Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total	Rel Hum.	16474095	199039	81.2	11.143	2450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Dry Bulb	3596279	90099	36.8	10.715	2450	.1	32.3					90	Wet Bulb	3201610	84878	34.6	10.321	2450	.2	40.7					90	Dew Point	2736074	76930	31.4	11.453	2451	.6	52.3					90
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																																																																									
Rel Hum.	16474095	199039	81.2	11.143	2450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																																																										
Dry Bulb	3596279	90099	36.8	10.715	2450	.1	32.3					90																																																																									
Wet Bulb	3201610	84878	34.6	10.321	2450	.2	40.7					90																																																																									
Dew Point	2736074	76930	31.4	11.453	2451	.6	52.3					90																																																																									

USAFETAC FORM 1 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTJUL STATION NAME 26-62 YEARS NOV MONTH

PAGE 1 0300-0500 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/ 65		.0																1	1				
64/ 63		.2	.2															8	8	2			
62/ 61	.2	.5	.2	.0	.0													22	22	13	7		
60/ 59	.1	.2	.1	.3	.1													29	29	16	14		
58/ 57	.5	.4	.2	.3	.0													34	34	29	27		
56/ 55	.7	.6	.6	.2														43	43	39	30		
54/ 53	.3	.6	.5	.2	.0													36	36	40	24		
52/ 51	.5	1.2	.6	.3	.1													62	62	37	46		
50/ 49	.4	1.3	.4	.3	.1													59	59	52	41		
48/ 47	.5	1.6	1.2	.2	.1													87	87	58	46		
46/ 45	.6	1.7	1.3	.3	.1													94	94	84	66		
44/ 43	.4	2.3	1.6	.7	.0													120	120	85	66		
42/ 41	.7	2.1	1.6	.2														112	112	112	88		
40/ 39	.6	2.6	2.1	.5	.0													141	141	132	101		
38/ 37	.8	3.4	1.6	.5														151	151	134	98		
36/ 35	.6	6.3	2.1	.3														223	223	161	117		
34/ 33	.7	4.7	2.4	.1														190	190	223	171		
32/ 31	.9	6.5	2.0															224	224	194	210		
30/ 29	1.1	4.8	1.7															182	182	246	220		
28/ 27	1.0	3.0	.3															105	105	187	132		
26/ 25	1.3	4.6	.7															156	156	147	191		
24/ 23	.6	2.7	.1															81	81	107	168		
22/ 21	.4	2.5	.0															69	69	86	136		
20/ 19	.5	1.9	.1															38	58	70	77		
18/ 17	.2	.7																22	22	46	69		
16/ 15	.3	.8																24	24	19	75		
14/ 13	.1	.5																16	16	19	52		
12/ 11	.3	.3																12	12	19	39		
10/ 9	.4	.3																15	15	12	12		
8/ 7	.2																	4	4	9	30		
6/ 5																					13		
4/ 3	.0	.2																6	6	5	0		
2/ 1	.0	.0																2	2	2			
0/ -1	.1	.0																3	3	3			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature																	
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total											
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC - OMA, UL 04 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-67

NOV  
 MONTH

PAGE 2 0300-0900  
 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			
-2/-3			.0															1		1	2	3		
-4/-5																						4		
-6/-7																						4		
-8/-9																						3		
-10/-11																						1		
TOTAL	14.8	59.0	21.2	4.3	.8													2392	2392	2392				
Element (X)	Σx'		Σx		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	16724834		198446		83.0		10.317		2391		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F			
Dry Bulb	3297038		84962		33.5		10.807		2392		.2		36.9										90	
Wet Bulb	2977621		80581		33.7		10.488		2392		.2		44.1										90	
Dew Point	2576650		73464		30.7		11.575		2392		.6		54.4										90	

USAF ETAC FORM 0 26 5 (O. L. A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14206 STATION GRANITE AFB ILLINOIS/RANTOUL 36-70 YEARS MONTH NOV

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														
68/ 67			.0	.0																												2	2		
68/ 65			.0	.1																												4	4		
64/ 63	.1	.2	.1																													12	12	9	7
62/ 61	.1	.4	.2	.2	.1																											30	30	11	6
60/ 59	.2	.5	.2	.2	.1																											34	34	30	22
58/ 57	.2	.7	.2	.2	.1																											45	45	30	32
56/ 55	.2	.6	.2	.2	.1																											42	42	46	25
54/ 53	.2	1.0	.4	.3	.1																											60	60	45	40
52/ 51	.0	.9	.3	.4	.1																											81	81	63	64
50/ 49	.4	1.2	.7	.2	.2																											82	82	59	50
48/ 47	.5	1.5	.9	.2	.1																											93	93	75	67
46/ 45	.4	2.1	1.5	.3	.0																											130	130	104	58
44/ 43	.6	1.7	1.7	.4	.1																											135	135	122	91
42/ 41	.9	2.6	1.7	.4																												169	169	136	131
40/ 39	.9	2.6	2.1	.7																												187	187	180	125
38/ 37	.9	3.0	2.4	.4																												223	223	178	145
36/ 35	.6	5.0	2.6	.2																												257	257	225	157
34/ 33	.7	4.3	2.3	.1																												221	221	252	187
32/ 31	1.2	5.6	2.2																													268	258	272	266
30/ 29	.9	5.0	1.3	.1																												221	221	265	265
28/ 27	1.1	4.2	.3																													167	167	249	175
26/ 25	.8	3.5	.5																													147	147	182	249
24/ 23	.6	2.9	.3																													103	103	117	200
22/ 21	.2	2.4	.1																													90	90	98	160
20/ 19	.2	1.9	.1																													55	55	80	102
18/ 17	.2	1.3																														43	43	51	83
16/ 15	.2	.7	.0																													29	29	33	85
14/ 13	.3	.6																														25	25	30	50
12/ 11	.2	.3																														14	14	16	42
10/ 9	.2	.3																														14	14	17	33
8/ 7	.1	.0																														3	3	7	34
6/ 5	.1	.1																														6	6	3	9
4/ 3	.1	.1																														4	4	6	14
2/ 1	.0	.1																														4	4	4	7
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

16800 STATION CHANUTE AFB ILLINOIS/RANTOUL 26-70 YEARS NOV 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																
0/ -1	.1	.0																															3	3	4	1
-2/ -3																																				4
-4/ -5																																				4
-6/ -7																																				8
TOTAL	14.3	57.2	23.0	4.6	.7																													3000	3000	3000
Element (X)	Σx²		Σx		$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature							Total																					
Rel. Hum.	20803056		247740		82.6	10.722	3000	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb	4212679		107609		35.9	10.843	3000	.1	35.6	.1				90																						
Wet Bulb	3795690		101946		34.0	10.511	3000	.1	43.0					90																						
Dew Point	3274297		92753		30.9	11.643	3000	.5	53.7					90																						

USAFETAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTJUL 36-70 NOV  
 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
76/ 77						.0	.0											2	2	
76/ 75						.0												1	1	
74/ 73					.0	.0	.0											4	4	
72/ 71				.0	.0	.0	.1	.0										5	5	
70/ 69			.1	.1	.2	.1	.2	.1	.1									18	18	
68/ 67		.1	.2	.2	.2	.2	.2	.2	.1									34	34	2
66/ 65	.0	.1	.2	.2	.2	.2	.2	.2	.0									31	31	12 2
64/ 63	.1	.1	.4	.3	.3	.3	.1	.1										55	55	19 12
62/ 61	.1	.5	.2	.2	.3	.3	.2	.1										61	61	24 14
60/ 59	.2	.7	.3	.3	.4	.3	.1	.1										76	76	62 32
58/ 57	.2	.4	.3	.3	.7	.4	.1											82	82	63 49
56/ 55	.2	.6	.3	.3	.8	.3	.2	.1										94	94	61 54
54/ 53	.3	.7	.8	.9	.9	.5	.2	.0										134	133	78 48
52/ 51	.3	.6	.5	1.0	.5	.3	.0											104	104	78 49
50/ 49	.5	.8	1.3	1.1	.7	.3	.1											155	155	129 69
48/ 47	.2	1.2	1.4	1.3	.9	.3												176	176	128 94
46/ 45	.4	1.8	1.6	1.5	.7	.1												192	192	177 103
44/ 43	.5	1.1	1.9	1.9	.9	.1												204	204	197 146
42/ 41	.5	1.8	2.4	2.5	.7	.1												253	253	188 157
40/ 39	.4	2.2	3.2	2.1	.6	.1												270	270	229 159
38/ 37	.1	1.7	2.3	2.0	.1													198	198	270 161
36/ 35	.3	2.6	3.1	1.1	.2													229	229	262 200
34/ 33	.5	2.6	2.2	.6	.0													187	187	250 232
32/ 31	.3	1.8	1.9	.4														140	140	269 252
30/ 29	.3	1.8	1.4	.2														116	116	156 250
28/ 27	.2	1.5	.8	.1														79	79	137 174
26/ 25	.2	1.0	.8	.1														63	63	100 207
24/ 23	.0	.9	.7															51	51	65 178
22/ 21	.2	1.1	.3															48	48	63 120
20/ 19	.2	.8	.1															33	34	54 70
18/ 17		.4	.1															17	19	27 79
16/ 15	.0	.1	.1															8	8	14 65
14/ 13	.0	.1																4	4	7 66
12/ 11	.0	.3	.0															9	9	7 35
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	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 NO. 0-26.5 (CL. A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 66-70

STATION STAT. NAME YEARS MONTH

PAGE 2 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	
10/ 9		.2																5	5	8	17	
8/ 7		.1																2	2	4	16	
6/ 5	.0	.1																5	5	4	7	
4/ 3																				1	9	
2/ 1																					5	
0/ -1																					7	
-2/ -3																					2	
-4/ -5																					2	
-6/ -7																					3	
TOTAL	6.4	30.4	28.9	19.2	9.3	3.9	1.5	.5											3145		3145	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	17117531	226941	72.215	307	3144	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	Total										
Dry Bulb	5996142	132626	42.111	417	3149		16.7	1.8	.2			90										
Wet Bulb	4964455	120601	38.310	395	3145		26.2	.1				90										
Dew Point	3916891	104662	33.311	746	3145	.4	44.8					90										

USAFETAC FORM 0-26 5 (O.L.A) REVISID PREVIOUS EDITIONS OF THIS FORM ARE ALSO 11E JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 16-70 YEARS NOV MONTH

PAGE 1 1200-1400 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.S. W.B.	Dry Bulb	Wet Bulb	Dew Point				
80/ 79								.2											5	5						
78/ 77								.1											2	2						
76/ 75					.1	.1	.1	.0	.1										10	10						
74/ 73				.0	.1	.1	.1	.2	.3	.0									24	24						
72/ 71				.1	.3	.2	.3	.2	.1		.0								35	35						
70/ 69		.0	.1	.2	.5	.3	.4	.4	.1	.1	.0								64	64						
68/ 67		.1	.1	.3	.3	.1	.3	.5	.2	.1	.0								59	59	12	2				
66/ 65		.0	.2	.3	.2	.5	.3	.2		.0									59	59	16	2				
64/ 63	.0	.3	.2	.2	.2	.3	.2	.2	.1	.1									57	57	34	10				
62/ 61	.1	.5	.4	.2	.3	.4	.7	.3	.1										93	93	60	26				
60/ 59	.2	.4	.1	.5	.4	1.3	.7	.2	.1										125	125	72	48				
58/ 57	.2	.5	.4	.4	.9	1.0	.4	.4											133	133	75	54				
56/ 55	.4	.5	.3	.8	1.1	1.1	.4	.2	.1										149	149	89	54				
54/ 53	.1	.8	.6	.6	1.4	1.0	.4	.0											157	157	98	57				
52/ 51	.1	.7	.4	1.2	1.3	1.2	.2	.0											163	163	104	63				
50/ 49	.3	.7	.8	1.1	1.2	.9	.3												174	174	181	83				
48/ 47	.2	.9	1.2	1.1	1.8	1.0	.0												194	194	166	85				
46/ 45	.2	1.3	.9	1.9	2.2	.7	.0												225	225	221	113				
44/ 43	.2	1.1	1.2	2.4	1.4	.5	.1												213	213	211	127				
42/ 41	.2	1.0	1.7	1.9	1.2	.4													203	203	212	162				
40/ 39	.3	.6	1.7	1.8	1.0	.1													170	170	233	178				
38/ 37	.1	.7	1.6	1.9	.2														138	138	258	154				
36/ 35	.0	1.9	2.2	1.0	.1														163	163	207	184				
34/ 33	.5	1.4	1.6	.7	.1														135	135	217	197				
32/ 31	.1	1.1	1.6	.6															108	108	201	245				
30/ 29	.1	.8	1.1	.3	.1														73	73	120	247				
28/ 27	.2	.8	1.0	.3															69	69	102	190				
26/ 25	.1	.5	1.3	.0															61	61	77	204				
24/ 23		.6	.6																37	38	67	159				
22/ 21	.0	.4	.1																15	17	57	128				
20/ 19	.1	.0	.0																4	4	23	91				
18/ 17		.1	.1																7	7	2	77				
16/ 15	.1	.3																	11	11	9	56				
14/ 13	.2																		6	6	11	68				
Element (X)	Σx'	Σx	Σ	Σx	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) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTJUL 36-70 NQV  
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						
	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	
12/ 11		.1																		2	2	5	30
10/ 9																						1	11
8/ 7																							13
6/ 5		.1																		3	3	2	7
4/ 3																						1	7
2/ 1																							6
0/ -1																							3
-4/ -5																							2
-6/ -7																							1
TOTAL	3.5	18.3	21.2	19.8	10.7	11.2	4.9	3.1	1.0	.3	.1									3149		3146	
																				3146			3146

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_X$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	13775952	200764	63.8	17.474	3145							
Dry Bulb	7251607	146157	46.4	12.191	3149		11.4	5.7	1.2	.1		90
Wet Bulb	5599881	128559	40.9	10.495	3146		19.4	.3				90
Dew Pt.	4069084	106690	33.9	11.974	3146	.2	44.2	.1				90

USAFETAC FORM 0-26-5 (O-L-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 NOV  
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			
80/ 79								.0									1	1						
78/ 77								.1	.0								3	3						
76/ 75					.0	.0											3	3						
74/ 73				.0	.1	.0	.0	.1	.0	.0							10	10						
72/ 71			.1		.1	.1	.1	.1						.0			15	15						
70/ 69			.1	.2	.3	.3	.2	.1	.1	.0	.0						44	44						
68/ 67			.1	.4	.4	.3	.1	.3		.0							51	51	5					
66/ 65	.1	.1	.2	.3	.2	.2	.3	.2	.0								48	48	16	5				
64/ 63	.0	.3	.3	.3	.3	.3	.3	.2	.0								67	67	18	8				
62/ 61	.1	.5	.2	.3	.3	.4	.2	.1	.0	.0							68	68	53	18				
60/ 59	.2	.5	.3	.2	.6	.4	.5	.2	.1								93	93	68	43				
58/ 57	.1	.7	.7	.3	.7	.7	.4	.2									117	117	74	53				
56/ 55	.1	.7	.4	.8	.9	.9	.3	.1									134	134	64	58				
54/ 53	.1	.8	.7	.8	1.1	.7	.5										148	148	106	56				
52/ 51	.2	.7	.7	1.0	1.6	.6	.2										151	151	98	72				
50/ 49	.3	.8	1.2	1.1	1.3	.7	.1										179	179	138	74				
48/ 47	.1	1.0	1.3	1.3	1.4	.8	.1										192	192	145	69				
46/ 45	.2	1.4	1.8	1.8	1.5	.5	.1										226	226	211	115				
44/ 43	.3	1.2	1.7	2.2	1.0	.2	.1										214	214	220	134				
42/ 41	.3	1.1	2.2	1.8	.8	.2											203	203	234	141				
40/ 39	.3	1.1	2.1	2.1	.8	.1											201	201	235	184				
38/ 37		1.1	2.1	1.8	.3												165	165	235	170				
36/ 35	.3	1.9	2.6	1.4	.1												198	198	228	207				
34/ 33	.2	2.3	1.6	.4	.1												140	140	229	186				
32/ 31	.3	1.5	1.7	.4													122	122	243	250				
30/ 29	.0	1.2	1.4	.3													91	91	126	289				
28/ 27	.2	1.2	1.2	.0													82	82	108	168				
26/ 25	.1	.9	.9														57	57	88	188				
24/ 23	.1	.8	.4														42	43	73	159				
22/ 21	.0	.7	.2														29	31	49	146				
20/ 19		.4	.0														14	14	32	73				
18/ 17		.3	.1														12	12	14	73				
16/ 15	.1	.3	.0														11	11	13	68				
14/ 13	.1	.1	.0														6	6	10	56				
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$	$\sigma_x$	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) JUL 64 REVIDE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHARLOTTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS NOV MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-6	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
12/ 11		.1																4	4	4	25
10/ 9		.0																1	1	4	14
8/ 7																				1	18
6/ 5		.0																1	1		6
4/ 3		.0																1	1	1	6
2/ 1		.0																1	1	2	4
0/ -1																					5
-4/ -5																					1
-8/ -9																					1
-10/-11																					2
TOTAL	3.8	23.6	26.6	19.4	13.7	7.4	3.4	1.6	.4	.1	.1						3145	3148	3145	3145	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	15263474	212732	67.6	16.673	3148							
Dry Bulb	6704500	140430	44.6	11.824	3148		13.6	3.6	.5	.0		90
Wet Bulb	5344775	125443	39.9	10.419	3145		22.0	.1				90
Dew Point	4034619	106345	33.8	11.812	3145	.3	44.4					90

USAFETAC FORM 0-26-5 (OL. A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTJUL 36-70

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				
	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
74/ 73																		2	2	
72/ 71				.0						.0								2	2	
70/ 69			.1		.1													6	6	
68/ 67				.0	.1													4	4	
66/ 65		.0	.3	.2	.1					.0								25	25	4
64/ 63	.1	.3	.3	.2	.2	.1												38	38	7
62/ 61	.1	.4	.5	.3	.3	.2												55	55	32
60/ 59	.0	.4	.4	.2	.2	.1	.0											44	44	30
58/ 57	.1	.8	.6	.4	.2	.2				.0								73	73	39
56/ 55	.2	1.0	.5	.6	.4	.1	.0											91	91	73
54/ 53	.3	.4	.4	.8	.4	.1	.2											85	85	78
52/ 51	.3	.7	1.0	.8	.3	.1	.1											102	102	64
50/ 49	.3	1.1	1.6	1.2	.5	.3												157	157	82
48/ 47	.2	1.4	1.6	1.0	.6													147	147	123
46/ 45	.3	2.0	1.9	1.9	.4	.0												209	209	159
44/ 43	.3	1.8	2.1	1.3	.4													186	186	179
42/ 41	.7	2.4	2.4	1.0	.3													214	214	215
40/ 39	.2	2.6	3.7	1.2	.3													251	251	223
38/ 37	.3	2.3	3.2	1.7	.2													241	241	242
36/ 35	.3	3.2	3.4	.9														245	245	235
34/ 33	.6	3.3	3.1	.4														234	234	278
32/ 31	.8	3.2	2.5	.1														206	207	277
30/ 29	.2	2.7	1.8	.1														153	153	226
28/ 27	.3	1.9	.7	.0														90	90	185
26/ 25	.1	1.6	.7	.0														76	76	97
24/ 23	.1	1.3	.5															59	60	75
22/ 21	.1	1.0	.1															40	40	68
20/ 19	.1	1.2	.0															41	41	48
18/ 17	.0	.5	.1															22	22	33
16/ 15		.4																12	12	20
14/ 13	.0	.4																15	15	14
12/ 11		.2																5	5	12
10/ 9	.1	.1																5	5	6
8/ 7	.0	.1																3	3	2
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
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) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS NOV 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																			
6/ 5		.1																															3	4	4	7			
4/ 3																																		3	3	2	13		
2/ 1		.1																																		3	2	3	
0/ -1																																					1	3	
-2/ -3																																						2	3
-4/ -5																																						3	3
-6/ -7																																						3	3
-8/ -9																																						1	1
TOTAL	6.2	38.9	33.8	14.3	5.0	1.3	.3	.1																											3144	3147	3144	3143	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	18658486	238612	75.913083	3142	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90																												
Dry Bulb	5433991	126227	40.110859	3147		21.0	.4	.1			90																												
Wet Bulb	4648103	116571	37.110183	3144	.0	30.7	.0				90																												
Dew Point	3795255	103145	32.811427	3143	.3	46.6					90																												

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 NIV  
 STATION STATION NAME YEARS MONTH

PAGE 1 2300-2300  
 HOURS (L. S. T)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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					
70/ 69				.0														1	1							
68/ 67					.0													1	1							
66/ 65			.1	.2														6	8							
64/ 63	.1	.3	.3	.2	.1													27	27	4	2					
62/ 61	.1	.3	.3	.1	.3	.0		.0										40	40	14	9					
60/ 59	.1	.6	.4	.2	.2			.0										50	50	32	18					
58/ 57	.2	.5	.4	.3	.1	.1												52	52	46	40					
56/ 55	.3	1.0	.5	.2	.2	.0	.0											74	74	57	54					
54/ 53	.3	.8	.4	.3	.4	.1	.1											75	75	75	43					
52/ 51	.3	.8	.6	.9	.3	.1	.1											94	94	60	50					
50/ 49	.2	1.1	1.1	1.0	.1	.2												120	120	61	56					
48/ 47	.2	1.4	1.5	.5	.2	.0												122	122	88	69					
46/ 45	.5	1.7	1.5	.9	.2													149	149	158	94					
44/ 43	.3	2.2	2.0	.9	.2	.0												178	178	146	85					
42/ 41	.9	2.4	2.2	.7	.1													193	193	181	138					
40/ 39	.2	3.2	2.9	.7	.1													214	214	192	165					
38/ 37	.3	3.4	2.9	.8	.1													223	223	221	157					
36/ 35	.3	4.2	3.1	.8														266	266	233	202					
34/ 33	.7	4.4	2.7	.3														255	255	250	220					
32/ 31	.9	4.9	3.0	.2														285	285	309	250					
30/ 29	.6	4.3	1.6	.0														204	204	278	253					
28/ 27	.3	3.1	.9															135	135	236	224					
26/ 25	.4	2.5	.6															109	109	146	243					
24/ 23	.2	1.5	.4															66	66	91	185					
22/ 21	.1	1.7	.2															62	62	72	149					
20/ 19	.2	1.4	.1															44	44	81	152					
18/ 17	.1	.4	.0															17	17	21	100					
16/ 15	.1	.9	.0															32	32	20	78					
14/ 13	.1	.4																18	18	33	41					
12/ 11	.0	.3																12	12	13	37					
10/ 9	.1	.1																7	7	11	21					
8/ 7	.1	.1																5	5	6	25					
6/ 5	.1	.1																3	3	2	21					
4/ 3	.0	.0																2	2	4	5					
Element (X)	Σ x <sup>2</sup>		Σ x		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	≥ 93 F	Total									
Dry Bulb																										
Wet Bulb																										
Dew Point																										

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL 36-70 NOV  
STATION STATION NAME YEARS 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
2/ 1																					4
0/ -1																					1
-2/ -3			.0														1	1		4	
-4/ -5		.1															2	2	3	6	
-6/ -7																				1	
-8/ -9																				1	
-10/-11																				1	
-12/-13																				1	
TOTAL	8.4	49.7	29.3	9.2	2.7	.5	.1	.1									3146	3146	3146	3146	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel Hum.	20123854	248760	79.10	2.014	3146	≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total
Dry Bulb	4895335	119379	37.91	0.778	3146	.1	28.7	.1				90
Wet Bulb	4289589	111601	35.51	0.252	3146	.1	30.0					90
Dew Point	3589449	100003	31.81	1.426	3146	.4	49.9					90

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL 36-63 YEARS MONTH DEC

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
60/59		.2															4	4		
58/57	.0	.0	.1					.0									6	6	6	5
56/55		.2	.1					.0									9	9		1
54/53	.1	.4	.1														14	14	12	6
52/51	.2	.3	.0														15	15	21	23
50/49	.4	.5	.0	.0				.0									24	24	17	17
48/47	.5	.8	.3	.1	.0												44	44	32	23
46/45	.2	.7	.6	.2	.0												41	41	22	21
44/43	.5	.5	.2	.2													35	35	41	26
42/41	.5	1.0	.3	.1													47	47	45	37
40/39	.5	1.0	1.5	.3													98	98	54	41
38/37	1.4	2.0	.6	.1													103	103	108	91
36/35	1.3	3.6	1.3	.0													159	159	118	78
34/33	1.9	5.2	1.6														221	221	171	131
32/31	2.1	5.5	1.7	.1													237	237	249	187
30/29	1.9	5.5	1.3	.1													224	224	200	207
28/27	1.9	5.6	.8														209	211	254	140
26/25	1.5	3.8	.4														144	145	197	182
24/23	1.7	4.2	.2														155	155	152	178
22/21	.6	3.8	.1														115	115	131	162
20/19	1.1	3.0	.3														126	127	142	110
18/17	.9	2.2	.1														83	83	104	126
16/15	1.1	2.2	.0														85	85	89	141
14/13	.9	1.1															51	51	68	106
12/11	.5	1.3															45	45	45	88
10/9	1.1	1.1	.0														55	55	55	51
9/7	.5	1.2															43	47	40	56
6/5	.6	.8															34	35	36	58
4/3	.5	.4															22	22	31	43
2/1	.4	.7															26	26	21	35
0/-1	.4	.4															20	21	25	38
-2/-3	.3	.1															10	10	14	19
-4/-5	.4	.2															15	16	17	31
-6/-7	.1	.1															5	5	4	10
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 12 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
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PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-63 YEARS DEC 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
-8/-9	.0																	1	1	2	18
-10/-11	.1																	3	3	3	16
-12/-13																					12
-14/-15																					5
-16/-17																					3
-18/-19																					1
-20/-21																					5
TOTAL	26	360	411	411	1.3	.1	.1													2539	2528
																		2528		2528	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	17660933	209447	82.911	1.041	2528							93
Dry Bulb	2219204	69136	27.211	1.517	2539	2.1	63.0					93
Wet Bulb	2024014	65742	26.011	1.153	2528	2.4	69.2					93
Dew Point	1712809	57243	22.612	1.840	2528	5.7	74.6					93

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUL 64

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTIUL STATION NAME 35-62 YEARS DEC MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

USAF/ETAC FORM 64 0-20-5 (CL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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															
60/59		.1																														3	3		
58/57		.2																														7	7	6	1
56/55		.2	.0																												6	6	3	7	
54/53	.2	.3	.2	.0																											16	18	12	8	
52/51	.1	.4																													12	12	17	15	
50/49	.4	.7		.1	.0																										30	30	20	18	
48/47	.4	.7	.2	.1	.1																										40	40	28	30	
46/45	.2	.2	.3	.2	.2																										27	27	22	20	
44/43	.4	.5	.2																												30	30	30	21	
42/41	.3	1.1	.3	.1																											44	44	42	27	
40/39	.8	.8	1.2	.1																											73	73	51	45	
38/37	1.4	1.4	.5	.0																											83	83	79	69	
36/35	1.6	3.7	.6																												150	150	121	67	
34/33	2.0	5.6	.9																												211	211	169	130	
32/31	2.1	5.9	1.0	.0																											228	228	216	201	
30/29	1.7	5.2	1.0	.0																											198	198	198	191	
28/27	2.0	5.4	.4																												198	200	238	120	
26/25	2.2	4.8	.9																												197	199	189	160	
24/23	1.6	4.4	.2																												156	156	184	171	
22/21	1.1	4.0	.2																												132	132	149	122	
20/19	1.6	3.1																													118	118	145	113	
18/17	1.1	2.8	.1																												102	102	105	143	
16/15	1.1	2.3																													85	85	92	148	
14/13	.9	1.4																													58	58	67	126	
12/11	.6	1.5	.1																												56	56	55	74	
10/9	.4	1.2																													41	41	50	55	
8/7	.3	.8																													28	28	34	60	
6/5	.8	.8																													42	42	38	15	
4/3	1.0	.6																													43	43	51	35	
2/1	.8	.5																													33	33	34	41	
0/-1	.4	.2																													13	13	16	46	
-2/-3	.4	.3																													18	18	18	28	
-4/-5	.3	.1																													9	9	10	31	
-6/-7	.0	.2																													6	6	6	16	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature							Total																					
Rel Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																						
Dry Bulb																																			
Wet Bulb																																			
D.w Point																																			



DATA PROCESSING DIVISION  
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PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOL 36-70 DEC  
 STATION STATION NAME YEARS 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	Dry Bulb	Wet Bulb	Dew Point				
64/63			.0																	1	1		
62/61		.1																		2	2	2	2
60/59	.0	.2	.2																	12	12	3	
58/57	.1	.2																		8	8	10	10
56/55	.1	.4	.1																	15	15	11	7
54/53	.1	.3	.1																	15	19	16	19
52/51	.1	.5																		18	18	18	13
50/49	.2	.6	.0																	27	27	20	19
48/47	.2	.6	.4	.3	.1															50	50	25	27
46/45	.5	.3	.3	.1	.0															36	36	36	33
44/43	.5	.4	.2	.1																36	36	44	28
42/41	.6	.6	.5																	54	54	45	42
40/39	.4	1.5	.4	.1																73	73	59	35
38/37	1.1	1.7	.7	.2																116	116	97	82
36/35	1.6	3.1	.8	.0																173	173	129	106
34/33	1.8	5.4	.7																	250	250	210	130
32/31	2.0	5.4	1.4																	270	270	262	200
30/29	1.6	5.9	1.3	.1																274	274	241	243
28/27	1.5	5.4	.2																	237	234	288	167
26/25	1.8	4.6	.9																	206	206	252	197
24/23	1.3	4.8	.2																	193	193	199	228
22/21	1.3	4.0	.2																	170	170	178	201
20/19	1.4	3.4																		147	148	176	173
18/17	1.3	2.7	.1																	126	128	137	177
16/15	1.1	2.6	.0																	115	116	115	169
14/13	.7	1.8																		78	78	92	120
12/11	.5	1.7	.0																	69	69	73	128
7/9	.9	1.0																		57	57	64	68
8/7	.7	1.2																		58	58	63	70
6/5	.9	.7																		49	50	50	73
4/3	.6	.4																		29	30	35	53
2/1	.6	.6																		37	38	36	52
0/-1	1.0	.1																		32	33	40	52
-2/-3	.6	.2																		24	24	21	28
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F													
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70

YEARS

DEC  
 MONTH

PAGE 2 0600-0800  
 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			
-4/-5	.1	.1																6	9	10	34			
-6/-7	.2	.1																9	12	8	34			
-8/-9	.1	.1																7	7	8	17			
-10/-11	.1	.0																5	5	6	14			
-12/-13	.1																	4	4	4	4			
-14/-15																					8			
-16/-17																					9			
-18/-19																					9			
-20/-21																					1			
-22/-23																					2			
-24/-25																					2			
TOTAL	27.6	62.8	8.6	.8	.1													3083	3099	3083	3082			
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	21781717	257097	83.4	10.319	3081	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb	2571529	81167	26.2	11.993	3099	2.8	66.4					93												
Wet Bulb	2364787	77519	25.1	11.613	3083	2.9	71.1					93												
Dew Point	2011342	67404	21.9	13.204	3082	6.5	76.3					93												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

DEC  
 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
68/67				.0													1	1	
66/65			.0														1	1	
64/63		.1															4	4	1
62/61		.0	.1	.0													5	5	3
60/59	.1	.3	.1														14	14	6
58/57	.1	.4	.0							.1							18	18	9
56/55	.2	.3	.2	.1	.1												27	27	21
54/53	.1	.5	.2	.1	.2	.1											39	35	18
52/51	.2	.4	.3	.2	.1	.1											41	41	27
50/49	.2	.4	.6	.6	.3												63	63	29
48/47	.3	.6	.4	.4	.1	.0											63	63	33
46/45	.3	.6	.5	.5	.1												69	69	39
44/43	.5	.6	.6	.5	.1												73	73	54
42/41	.4	1.1	1.3	.7	.2												120	120	76
40/39	.6	1.3	1.4	.9	.1												138	138	78
38/37	.8	1.9	2.1	.9	.1												186	186	88
36/35	1.4	3.9	2.7	.5	.1												275	275	129
34/33	1.2	4.6	2.4	.4													280	280	209
32/31	1.2	3.9	3.1	.6	.0												286	286	238
30/29	.8	4.1	2.6	.4													260	260	229
28/27	.9	4.4	1.8	.1													232	232	181
26/25	1.0	3.9	1.6	.0													214	214	232
24/23	.6	3.3	.7														130	150	210
22/21	.6	2.9	.5	.1													130	130	159
20/19	.5	2.2	.9														101	102	124
18/17	.2	2.0	.4														81	82	98
16/15	.2	1.8	.2														73	73	76
14/13	.2	2.2	.0														79	79	85
12/11	.2	1.5	.1														58	58	69
10/9	.2	.8	.0														35	35	55
8/7	.4	.7															35	35	37
6/5	.2	.6															27	28	32
4/3	.2	.4															17	17	25
2/1	.4	.3															22	22	32
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total						
Rel. Hum.							< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F							
Dry Bulb																			
Wet Bulb																			
Dew Point																			

USAFETAC 6-74 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 DEC  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 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	DB W.B.	Dry Bulb	Wet Bulb	Dew Point			
0/ -1	.3	.2																17	17	16	35			
-2/ -3	.2	.1																9	9	12	23			
-4/ -5	.1	.0																5	5	7	28			
-6/ -7	.0	.0																2	2	2	25			
-8/ -9	.1																	3	3	3	16			
-10/-11	.0																	1	1	1	9			
-12/-13																					6			
-14/-15																					3			
-16/-17																					4			
-18/-19																					2			
TOTAL	14.9	52.4	24.2	6.9	1.4	.2												3250	3253	3250	3251			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum	20083242	251645	77.5	13.505	3249							
Dry Bulb	3446425	98923	30.4	11.600	3253	1.1	32.6	.0				93
Wet Bulb	3013883	92197	28.4	11.101	3250	1.2	61.8					93
Dew Point	2400594	77782	23.9	12.885	3251	4.3	71.1					93

USAF/ETA-2 FORM 0-26-5 (CL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHARLE AFB ILLINOIS/RANTOUL 36-70 YEARS DEC

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															
70/69				.0	.0			.0										3	3																
68/67				.1	.1													4	4																
66/65			.1	.1	.1													7	2	2															
64/63		.0	.2	.1	.0	.0												11	11	3	1														
62/61			.2	.1	.1	.2			.0									17	17	3	2														
60/59	.1	.2	.2	.1	.1	.2			.0	.0								35	35	11	7														
58/57		.0	.3	.2	.3	.3	.1	.1										58	58	29	12														
56/55	.1	.2	.2	.3	.5	.2	.2											55	55	29	29														
54/53	.1	.5	.2	.3	.3	.2	.1											57	57	27	20														
52/51	.1	.3	.2	.5	.6	.3												67	67	46	30														
50/49	.2	.5	.5	.6	.6	.1												83	83	55	35														
48/47	.2	.7	.6	.4	.5	.2												81	81	72	35														
46/45	.2	.6	.3	.8	.4	.1												80	80	103	36														
44/43	.2	.7	1.2	1.3	.4	.3												135	135	76	66														
42/41	.2	1.0	1.3	1.0	.4	.0												138	138	107	61														
40/39	.4	.9	2.0	1.3	.2													173	173	140	96														
38/37	.6	2.4	1.7	1.7	.3													218	218	173	103														
36/35	.9	2.5	2.8	1.3	.3													290	290	240	164														
34/33	1.0	3.3	3.1	1.2	.3													295	295	244	198														
32/31	.8	3.4	2.5	.9	.1													250	250	341	236														
30/29	.4	3.5	2.7	.8	.0													244	244	268	208														
28/27	.6	3.0	2.2	.2	.0													206	206	277	202														
26/25	.4	3.0	1.8	.2														173	173	209	234														
24/23	.5	2.2	1.0	.1														122	122	216	233														
22/21	.1	1.9	.5	.1														85	85	114	210														
20/19	.2	1.8	.7	.0														88	88	110	130														
18/17	.1	1.1	.6															59	58	73	161														
16/15	.2	1.2	.3															57	58	71	142														
14/13	.1	1.2	.1															46	46	59	119														
12/11		.6	.1															23	23	39	99														
10/9	.2	.5																23	23	32	72														
8/7	.2	.5																21	21	21	58														
6/5	.3	.4																21	22	27	42														
4/3	.1	.4																17	17	17	46														
Element (X)	Σx²		Σx		Σ	°x	No. Obs.	Mean No. of Hours with Temperature							Total																				
Rel. Hum								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																					
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAF ETAC FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AIR ILLINOIS/RANTHUL 36-70 DEC  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 1200-1400  
 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
2/ 1	.2	.1																	8	8	11	60
0/ -1	.1	.0																	5	5	7	39
-2/ -3																					1	16
-4/ -5																						20
-6/ -7																						16
-8/ -9																						5
-10/-11																						1
-12/-13																						4
TOTAL	8.8	40.5	28.2	13.7	5.9	2.4	.3	.1	.0										3249	3251	3249	3248
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	17667074	233932	72.0	15.877	3248	$\leq 0$ F	$\leq 32$ F	$> 67$ F	$> 73$ F	$\geq 80$ F	$\geq 93$ F	Total										
Dry Bulb	4217527	110737	34.1	11.708	3251	.1	41.5	.2				93										
Wet Bulb	3509831	100891	31.1	10.771	3249	.2	54.2					93										
Dew Point	2619823	82665	25.5	12.605	3248	2.9	67.4					93										

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

DEC

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			
70/69					.0													1	1					
68/67			.1		.0													3	3					
66/65				.1			.0											3	3					
64/63	.0	.0	.0			.0												4	4	2				
62/61		.1	.2	.1	.1	.0												16	16	2				
60/59	.0	.2	.1	.0	.1	.0		.0										16	16	2				
58/57		.4	.1	.2	.1	.2	.0	.0										35	35	9				
56/55	.1	.4	.1	.3	.1	.1	.1											36	36	21				
54/53	.1	.7	.2	.2	.3	.1	.0											54	54	15				
52/51	.1	.3	.3	.3	.3	.2												54	54	25				
50/49	.1	.5	.8	.8	.2	.2												78	78	32				
48/47	.3	.8	.9	.4	.4	.0												93	94	38				
46/45	.1	1.1	.6	.6	.3	.1												93	93	37				
44/43	.2	.6	1.0	.7	.2	.1												94	94	69				
42/41	.3	1.2	1.4	.6	.1	.1												118	118	63				
40/39	.6	1.3	1.0	.6	.2	.0												147	147	103				
38/37	.7	2.4	2.2	1.1	.2													214	214	106				
36/35	1.2	3.8	2.8	1.1	.2	.0												296	296	161				
34/33	1.2	4.5	3.1	.7	.2													313	315	206				
32/31	.9	4.0	2.9	1.0	.0													285	289	215				
30/29	.7	4.3	2.8	.7	.1													270	280	243				
28/27	.6	3.1	1.7	.3														183	183	182				
26/25	.3	3.3	2.0	.1														184	184	270				
24/23	.1	2.3	1.1	.2														118	118	199				
22/21	.2	2.6	.6															118	118	204				
20/19	.2	2.2	.6															96	96	130				
18/17	.3	1.5	.5															74	76	157				
16/15	.2	1.4	.3															59	59	160				
14/13	.1	1.2	.1															45	45	113				
12/11	.2	.7	.1															32	34	81				
10/9	.2	.7																31	31	64				
8/7	.1	.3																19	19	77				
6/5	.1	.4																17	17	57				
4/3	.2	.6																23	23	44				
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	σ	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																								

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTJUL STATION NAME 36-70 YEARS DEC 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
64/ 63		.0	.0															2	2		
62/ 61		.1	.1															6	6	2	
60/ 59		.1	.0															4	4	7	5
58/ 57	.0	.2	.1			.0												12	12	4	7
56/ 55		.4	.1															16	16	12	6
54/ 53	.2	.6	.0		.0													26	26	21	17
52/ 51	.3	.6	.1	.1														32	32	32	23
50/ 49	.2	.3	.2	.2	.0													33	33	28	38
48/ 47	.2	.4	.4	.2	.1													42	42	18	17
46/ 45	.4	1.0	.6	.2														69	69	52	31
44/ 43	.2	1.0	.3	.1	.1													52	52	51	28
42/ 41	.5	1.5	.7	.1														91	91	74	55
40/ 39	.7	1.9	1.1	.1														120	120	95	88
38/ 37	.9	2.2	1.0	.3														143	143	125	100
36/ 35	1.4	4.4	1.6	.1														241	241	171	121
34/ 33	1.8	4.7	1.9	.1														272	272	240	182
32/ 31	1.8	5.8	1.5	.1														296	296	307	230
30/ 29	1.2	5.6	1.3	.2														268	268	269	259
28/ 27	1.3	3.3	1.3															256	256	285	160
26/ 25	1.4	4.2	.6															210	210	249	237
24/ 23	1.1	4.3	.4															187	187	220	228
22/ 21	.6	3.3	.5															144	144	169	202
20/ 19	.6	3.7	.3															149	150	144	158
18/ 17	.7	2.0	.4															96	96	139	161
16/ 15	.5	2.1																84	85	86	167
14/ 13	.9	1.4																64	64	87	109
12/ 11	.3	1.3																53	53	55	99
10/ 9	.4	1.3																66	67	69	84
8/ 7	.3	.9																41	43	49	72
6/ 5	.4	.4																26	26	36	87
4/ 3	.2	.8																35	38	26	41
2/ 1	.5	.4																29	29	39	40
0/ -1	.2	.3																16	16	15	39
-2/ -3	.4	.2																20	20	22	23
Element (X)	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	Z <sub>x</sub>	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) JUL 64 REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 36-70 YEARS DEC MONTH

PAGE 2 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															
-4/-5	.1																	4	5	7	30															
-6/-7	.1	.1																6	6	4	23															
-8/-9			.0															1	1	3	17															
-10/-11		.1																3	3		11															
-12/-13																				3	7															
-14/-15																					5															
-16/-17																					6															
-18/-19																					1															
-22/-23																					1															
-24/-25																					2															
TOTAL	19.9	63.5	14.6	1.8	.2	.1												3215	3224	215	3215															

USAFETAC FORM 7-64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum	21896697	262792	81.8	11.288	3214							93
Dry Bulb	3030086	91604	28.4	11.514	3224	1.5	59.5					93
Wet Bulb	2745176	86830	27.0	11.157	3215	1.6	66.0					93
Dew Point	2298962	75448	23.5	12.822	3215	4.8	72.2					93

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70  
 STATION STATION NAME YEARS

HRS II ST I	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 24.0 S D 12.249 TOTAL OBS 2542	MEAN 26.8 S D 10.941 TOTAL OBS 2315	MEAN 34.4 S D 10.843 TOTAL OBS 2532	MEAN 45.4 S D 9.808 TOTAL OBS 2418	MEAN 55.3 S D 8.830 TOTAL OBS 2409	MEAN 65.0 S D 7.146 TOTAL OBS 2337	MEAN 68.6 S D 5.647 TOTAL OBS 2418	MEAN 67.3 S D 5.837 TOTAL OBS 2418	MEAN 59.4 S D 8.775 TOTAL OBS 2457	MEAN 50.2 S D 9.254 TOTAL OBS 2566	MEAN 36.8 S D 10.715 TOTAL OBS 2450	MEAN 27.2 S D 11.517 TOTAL OBS 2539	MEAN 46.6 S D 18.540 TOTAL OBS 29421
03-05	MEAN 22.9 S D 12.555 TOTAL OBS 2510	MEAN 25.8 S D 11.260 TOTAL OBS 2286	MEAN 32.9 S D 10.766 TOTAL OBS 2510	MEAN 43.6 S D 9.753 TOTAL OBS 2424	MEAN 53.6 S D 8.723 TOTAL OBS 2509	MEAN 63.3 S D 7.076 TOTAL OBS 2427	MEAN 66.6 S D 5.736 TOTAL OBS 2540	MEAN 65.3 S D 6.033 TOTAL OBS 2542	MEAN 57.8 S D 8.935 TOTAL OBS 2538	MEAN 48.2 S D 9.430 TOTAL OBS 2636	MEAN 35.5 S D 10.807 TOTAL OBS 2392	MEAN 26.5 S D 11.587 TOTAL OBS 2511	MEAN 45.4 S D 18.260 TOTAL OBS 29825
06-08	MEAN 22.2 S D 13.067 TOTAL OBS 3038	MEAN 25.2 S D 11.343 TOTAL OBS 2765	MEAN 33.5 S D 11.007 TOTAL OBS 3036	MEAN 46.6 S D 10.165 TOTAL OBS 2944	MEAN 58.3 S D 9.484 TOTAL OBS 3160	MEAN 68.5 S D 7.813 TOTAL OBS 3060	MEAN 71.7 S D 6.223 TOTAL OBS 3223	MEAN 69.0 S D 6.771 TOTAL OBS 3230	MEAN 60.8 S D 9.205 TOTAL OBS 3147	MEAN 49.5 S D 9.955 TOTAL OBS 3230	MEAN 35.9 S D 10.845 TOTAL OBS 3000	MEAN 26.2 S D 11.993 TOTAL OBS 3099	MEAN 47.8 S D 20.198 TOTAL OBS 36932
09-11	MEAN 25.8 S D 12.583 TOTAL OBS 3160	MEAN 29.7 S D 11.111 TOTAL OBS 2879	MEAN 39.6 S D 12.106 TOTAL OBS 3161	MEAN 53.9 S D 11.383 TOTAL OBS 3060	MEAN 66.0 S D 10.493 TOTAL OBS 3134	MEAN 75.9 S D 8.460 TOTAL OBS 3057	MEAN 79.7 S D 6.538 TOTAL OBS 3253	MEAN 78.0 S D 6.864 TOTAL OBS 3255	MEAN 70.9 S D 9.502 TOTAL OBS 3147	MEAN 59.4 S D 10.666 TOTAL OBS 3255	MEAN 42.1 S D 11.417 TOTAL OBS 3149	MEAN 30.4 S D 11.600 TOTAL OBS 3253	MEAN 54.5 S D 21.887 TOTAL OBS 37782
12-14	MEAN 29.7 S D 12.273 TOTAL OBS 3159	MEAN 33.8 S D 11.125 TOTAL OBS 2880	MEAN 43.9 S D 13.006 TOTAL OBS 3160	MEAN 58.1 S D 12.098 TOTAL OBS 3060	MEAN 69.7 S D 10.814 TOTAL OBS 3162	MEAN 79.4 S D 8.792 TOTAL OBS 3059	MEAN 83.6 S D 6.779 TOTAL OBS 3253	MEAN 82.1 S D 7.008 TOTAL OBS 3255	MEAN 75.5 S D 9.748 TOTAL OBS 3150	MEAN 64.3 S D 11.399 TOTAL OBS 3255	MEAN 46.4 S D 12.191 TOTAL OBS 3149	MEAN 34.1 S D 11.708 TOTAL OBS 3251	MEAN 38.6 S D 22.071 TOTAL OBS 37793
15-17	MEAN 29.2 S D 11.887 TOTAL OBS 3157	MEAN 33.8 S D 10.780 TOTAL OBS 2880	MEAN 44.1 S D 12.905 TOTAL OBS 3162	MEAN 58.4 S D 11.824 TOTAL OBS 3058	MEAN 69.5 S D 10.631 TOTAL OBS 3150	MEAN 79.2 S D 8.812 TOTAL OBS 3060	MEAN 83.5 S D 6.705 TOTAL OBS 3252	MEAN 81.9 S D 6.890 TOTAL OBS 3251	MEAN 74.6 S D 9.578 TOTAL OBS 3147	MEAN 62.8 S D 11.072 TOTAL OBS 3292	MEAN 44.6 S D 11.824 TOTAL OBS 3148	MEAN 32.8 S D 11.287 TOTAL OBS 3255	MEAN 58.1 S D 22.091 TOTAL OBS 37772
18-20	MEAN 26.1 S D 11.799 TOTAL OBS 3161	MEAN 30.0 S D 10.093 TOTAL OBS 2880	MEAN 39.5 S D 11.342 TOTAL OBS 3161	MEAN 53.0 S D 10.493 TOTAL OBS 3060	MEAN 64.0 S D 9.736 TOTAL OBS 3161	MEAN 73.8 S D 8.072 TOTAL OBS 3057	MEAN 77.5 S D 6.088 TOTAL OBS 3161	MEAN 75.1 S D 6.397 TOTAL OBS 3164	MEAN 66.8 S D 8.770 TOTAL OBS 3072	MEAN 55.6 S D 9.615 TOTAL OBS 3180	MEAN 40.1 S D 10.859 TOTAL OBS 3147	MEAN 29.9 S D 11.220 TOTAL OBS 3245	MEAN 52.7 S D 20.627 TOTAL OBS 37449
21-23	MEAN 24.5 S D 12.204 TOTAL OBS 3161	MEAN 28.0 S D 10.490 TOTAL OBS 2880	MEAN 36.4 S D 10.838 TOTAL OBS 3157	MEAN 48.4 S D 9.870 TOTAL OBS 3028	MEAN 58.6 S D 8.866 TOTAL OBS 2940	MEAN 68.1 S D 7.207 TOTAL OBS 2849	MEAN 71.5 S D 5.471 TOTAL OBS 2943	MEAN 69.8 S D 5.886 TOTAL OBS 2942	MEAN 62.0 S D 8.458 TOTAL OBS 2864	MEAN 51.9 S D 9.313 TOTAL OBS 3001	MEAN 37.9 S D 10.778 TOTAL OBS 3146	MEAN 28.4 S D 11.514 TOTAL OBS 3224	MEAN 48.3 S D 19.168 TOTAL OBS 36135
ALL HOURS	MEAN 25.7 S D 12.592 TOTAL OBS 23888	MEAN 29.3 S D 11.323 TOTAL OBS 21765	MEAN 38.3 S D 12.390 TOTAL OBS 23879	MEAN 51.3 S D 11.987 TOTAL OBS 23052	MEAN 62.3 S D 11.349 TOTAL OBS 23645	MEAN 72.1 S D 9.861 TOTAL OBS 22906	MEAN 75.9 S D 8.702 TOTAL OBS 24043	MEAN 74.1 S D 8.943 TOTAL OBS 24057	MEAN 66.5 S D 11.201 TOTAL OBS 23522	MEAN 55.6 S D 11.749 TOTAL OBS 24394	MEAN 40.2 S D 11.858 TOTAL OBS 23581	MEAN 29.6 S D 11.867 TOTAL OBS 24377	MEAN 51.8 S D 21.085 TOTAL OBS 283109

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WFT-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70  
 STATION STATION NAME YEARS

HRS ILST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	22.9	25.3	32.5	42.3	51.8	61.4	64.8	64.3	56.5	46.9	34.6	26.0	44.0
	S D	12.029	10.697	10.435	9.457	8.740	7.171	5.844	5.821	8.677	9.157	10.321	11.153	17.656
	TOTAL OBS	2540	2314	2532	2418	2409	2337	2418	2418	2437	2586	2450	2328	29407
03-05	MEAN	22.0	24.7	31.3	41.0	50.7	60.4	63.7	62.9	55.2	45.6	33.7	25.3	43.2
	S D	12.398	11.033	10.400	9.544	8.797	7.257	5.957	6.073	8.974	9.423	10.488	11.317	17.634
	TOTAL OBS	2510	2285	2509	2424	2509	2427	2540	2541	2538	2635	2392	2506	29816
06-08	MEAN	21.3	24.0	31.6	43.1	53.5	63.0	66.2	64.7	57.0	46.3	34.0	25.1	44.6
	S D	12.840	11.133	10.560	9.536	8.699	7.063	5.618	6.184	8.709	9.607	10.511	11.613	18.606
	TOTAL OBS	3026	2764	3036	2944	3159	3060	3223	3230	3147	3222	3000	3083	36900
09-11	MEAN	24.2	27.4	35.7	47.2	57.1	65.9	69.0	68.3	61.5	51.8	38.3	28.4	48.1
	S D	12.225	10.528	10.791	9.610	8.528	6.819	5.484	5.797	8.054	8.975	10.395	11.101	18.479
	TOTAL OBS	3157	2877	3162	3050	3134	3057	3253	3233	3147	3254	3145	3250	37771
12-14	MEAN	27.3	30.5	38.9	49.4	58.6	66.9	69.9	69.4	62.8	53.7	40.9	31.1	50.1
	S D	11.631	10.107	10.861	9.550	8.150	6.560	5.436	5.721	7.806	8.916	10.495	10.771	17.699
	TOTAL OBS	3158	2880	3159	3060	3162	3080	3252	3233	3130	3254	3146	3249	37786
15-17	MEAN	27.0	30.6	38.8	49.6	58.4	66.8	69.8	69.4	62.4	53.1	39.9	30.3	49.8
	S D	11.416	9.903	10.828	9.386	7.999	6.422	5.309	5.617	7.719	8.878	10.419	10.613	17.700
	TOTAL OBS	3156	2880	3162	3058	3149	3060	3252	3231	3147	3252	3145	3247	37759
18-20	MEAN	24.7	28.0	36.2	47.2	56.3	65.2	68.5	67.7	59.6	49.7	37.1	28.2	47.4
	S D	11.563	9.801	10.441	9.207	8.216	6.633	5.432	5.738	8.028	8.895	10.183	10.880	17.954
	TOTAL OBS	3154	2880	3161	3060	3161	3057	3161	3164	3072	3179	3144	3239	37432
21-23	MEAN	23.3	26.4	34.0	44.5	53.7	62.9	66.3	65.5	57.5	47.7	35.9	27.0	44.9
	S D	11.968	10.180	10.321	9.274	8.450	6.969	5.636	5.862	8.278	9.019	10.253	11.157	17.788
	TOTAL OBS	3154	2879	3156	3028	2940	2849	2943	2942	2862	3001	3145	3215	36115
ALL HOURS	MEAN	24.2	27.3	35.0	45.8	55.3	64.3	67.5	66.7	59.2	49.5	36.9	27.8	46.7
	S D	12.176	10.668	10.942	9.908	8.865	7.213	5.970	6.289	8.693	9.581	10.689	11.255	18.130
	TOTAL OBS	23855	21759	23877	23052	23643	22907	24042	24055	23520	24390	23568	24317	282986

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70

STATION	STATION NAME	YEARS												
MRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	19.2	21.8	29.2	38.8	48.8	59.1	62.6	62.9	54.0	43.6	31.4	22.6	41.0
	S D	14.277	12.658	11.616	10.673	10.010	8.162	6.782	6.439	9.571	10.371	11.453	12.840	18.852
	TOTAL OBS	2340	2314	2532	2418	2409	2337	2417	2418	2457	2506	2451	2528	29407
03-05	MEAN	18.5	21.1	29.2	38.0	48.1	58.4	61.9	61.4	53.2	42.9	30.7	22.1	40.6
	S D	14.710	13.078	11.751	10.650	9.921	8.130	6.703	6.612	9.766	10.910	11.575	12.988	18.898
	TOTAL OBS	2510	2283	2509	2424	2310	2427	2540	2541	2538	2633	2392	2506	29817
06-08	MEAN	17.4	20.1	28.0	39.0	49.5	59.7	63.2	62.2	54.2	43.1	30.9	21.9	41.2
	S D	15.207	13.218	11.893	10.697	10.044	8.154	6.649	6.852	9.557	10.605	11.643	13.204	19.556
	TOTAL OBS	3026	2764	3036	2944	3159	3060	3223	3230	3147	3228	3000	3082	36899
09-11	MEAN	19.4	22.2	29.9	40.4	50.4	60.3	63.5	63.2	55.2	45.1	33.3	23.9	42.4
	S D	14.723	12.646	12.257	11.403	10.750	8.682	7.500	7.394	10.066	10.784	11.746	12.885	19.207
	TOTAL OBS	3157	2877	3121	3060	3154	3057	3253	3255	3147	3254	3145	3251	37771
12-14	MEAN	21.6	24.2	31.2	40.8	50.2	59.9	62.8	62.9	54.4	44.5	33.9	25.5	42.8
	S D	14.275	12.176	12.301	11.796	10.810	8.753	7.922	7.739	10.462	11.297	11.974	12.605	18.480
	TOTAL OBS	3158	2880	3159	3060	3162	3060	3252	3255	3150	3255	3146	3248	37785
15-17	MEAN	21.8	24.6	31.6	41.0	50.1	59.7	62.7	62.9	54.3	44.4	33.8	25.4	42.9
	S D	14.090	12.026	12.247	11.762	10.838	8.719	7.862	7.623	10.458	11.288	11.812	12.500	18.339
	TOTAL OBS	3156	2880	3162	3058	3148	3060	3252	3251	3147	3252	3145	3247	37758
18-20	MEAN	20.4	23.6	31.3	41.3	50.3	60.2	63.8	63.9	54.6	44.2	32.8	24.3	42.6
	S D	14.018	11.882	11.821	10.973	10.460	8.508	7.360	7.022	9.824	10.682	11.427	12.593	18.731
	TOTAL OBS	3154	2880	3161	3060	3162	3057	3161	3164	3072	3179	3143	3239	37432
21-23	MEAN	19.3	22.3	30.2	40.4	49.7	59.6	63.5	63.1	54.2	43.6	31.8	23.5	41.3
	S D	14.288	12.073	11.576	10.529	10.019	8.359	6.911	6.709	9.544	10.441	11.426	12.822	18.880
	TOTAL OBS	3152	2879	3156	3026	2940	2849	2943	2942	2862	3001	3146	3215	36113
ALL HOURS	MEAN	19.7	22.6	30.1	40.1	49.7	59.7	63.0	62.8	54.3	43.9	32.4	23.7	41.9
	S D	14.515	12.538	12.018	11.146	10.413	8.471	7.281	7.132	9.944	10.795	11.700	12.859	18.888
	TOTAL OBS	23853	21759	23876	23052	23644	22907	24041	24056	23520	24390	23568	24316	282982

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

ALL

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	ALL	100.0	100.0	99.7	98.9	96.4	90.1	75.5	50.3	22.2	79.0	23845
FEB		100.0	100.0	100.0	99.2	95.7	86.5	69.6	44.8	18.9	77.0	21751
MAR		100.0	99.9	99.5	96.8	90.7	79.9	63.4	41.1	17.4	74.4	23873
APR		100.0	99.7	97.0	90.6	80.5	67.9	52.1	33.3	14.2	69.2	23042
MAY		100.0	99.7	96.0	87.9	77.1	64.5	49.4	32.6	13.3	67.8	23635
JUN		100.0	100.0	98.1	91.3	80.0	66.2	50.5	32.9	12.3	68.7	22901
JUL		100.0	99.9	98.6	91.9	80.0	65.5	49.8	31.8	10.0	68.4	24036
AUG		100.0	100.0	99.5	95.4	84.7	71.0	56.3	38.1	13.4	71.5	24054
SEP		100.0	99.9	97.8	90.2	78.8	66.3	52.1	34.8	12.7	68.9	23516
OCT		100.0	99.9	97.7	90.3	79.0	66.1	50.9	32.1	13.7	68.6	24385
NOV		100.0	100.0	99.8	98.2	93.1	82.8	66.3	42.8	18.2	75.7	23563
DEC		100.0	100.0	100.0	99.5	97.2	90.9	76.9	52.2	23.4	79.6	24310
TOTALS		100.0	99.9	98.6	94.2	86.1	74.8	59.4	38.9	13.8	72.4	282911

























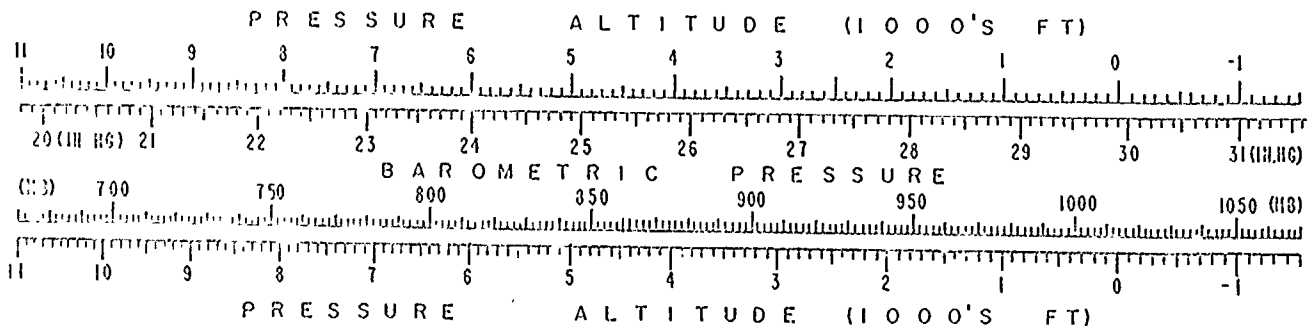
W. W. ANDERSON DIVISION  
1957  
1957  
1957

## PART F PRESSURE SUMMARY

Presented in this part are tables giving the means, standard deviations, and total number of observations of station pressure by month and annual for the local hourly observations, corresponding to the monthly means by the GCP. The same computations are also provided at the bottom of the page for all years of data. All years of data available are combined in both of these tables, although the overall total is limited to January 1948 through December 1963 because of changes in reporting practices before and after these dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure 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.



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14806 CHANUTE AFB ILLINOIS/RANTJUL 46-63,65-70  
 STATION STATION NAME YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	29.284	29.255	29.184	29.168	29.169	29.166	29.213	29.226	29.254	29.267	29.232	29.274	29.225
	S D	.241	.242	.237	.214	.151	.120	.101	.100	.146	.175	.229	.238	.196
	TOTAL OBS	558	508	558	540	523	510	527	527	526	557	540	558	6432
03	MEAN	29.288	29.248	29.174	29.158	29.166	29.161	29.206	29.220	29.251	29.264	29.229	29.270	29.220
	S D	.241	.245	.241	.218	.155	.131	.106	.103	.149	.181	.239	.239	.200
	TOTAL OBS	558	508	558	534	527	510	527	527	526	550	508	527	6360
06	MEAN	29.298	29.260	29.192	29.179	29.203	29.189	29.230	29.243	29.274	29.277	29.239	29.272	29.238
	S D	.242	.249	.244	.223	.167	.135	.111	.110	.147	.183	.237	.243	.196
	TOTAL OBS	589	536	589	574	713	690	744	744	719	721	570	588	7777
09	MEAN	29.325	29.286	29.224	29.202	29.212	29.199	29.244	29.258	29.292	29.296	29.261	29.292	29.258
	S D	.246	.249	.243	.222	.169	.136	.111	.112	.150	.185	.234	.248	.202
	TOTAL OBS	713	649	713	690	712	688	736	744	720	744	720	744	8573
12	MEAN	29.297	29.269	29.208	29.183	29.193	29.181	29.228	29.242	29.268	29.267	29.235	29.266	29.237
	S D	.251	.248	.238	.219	.162	.132	.109	.107	.145	.180	.232	.243	.199
	TOTAL OBS	713	649	713	690	713	690	744	744	720	744	720	743	8583
15	MEAN	29.275	29.236	29.171	29.152	29.164	29.150	29.197	29.209	29.228	29.234	29.213	29.245	29.207
	S D	.248	.244	.234	.214	.156	.128	.107	.105	.143	.173	.227	.239	.195
	TOTAL OBS	713	649	713	689	713	690	738	744	718	744	718	744	8573
18	MEAN	29.293	29.254	29.180	29.152	29.159	29.140	29.185	29.200	29.230	29.243	29.233	29.265	29.211
	S D	.243	.237	.227	.209	.150	.123	.104	.103	.141	.169	.221	.234	.192
	TOTAL OBS	713	649	713	690	713	688	744	744	700	727	719	744	8544
21	MEAN	29.299	29.266	29.196	29.176	29.183	29.165	29.207	29.221	29.255	29.259	29.242	29.269	29.228
	S D	.241	.235	.228	.210	.151	.123	.102	.103	.141	.170	.221	.238	.191
	TOTAL OBS	713	649	713	689	713	690	738	743	692	714	720	732	8506
ALL HOURS	MEAN	29.295	29.260	29.192	29.172	29.182	29.169	29.214	29.228	29.257	29.263	29.236	29.269	29.228
	S D	.245	.244	.237	.216	.159	.131	.108	.107	.146	.178	.230	.241	.197
	TOTAL OBS	5270	4797	5270	5096	5327	5156	5498	5517	5321	5501	5215	5380	63348

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

14806 CHANDLER AFB ILLINOIS/RANTOUL 45-70

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN S D TOTAL OBS	1019.6 8.729 589	1018.6 8.676 565	1019.9 8.459 612	1015.1 7.602 570	1014.7 5.380 554	1014.2 4.581 539	1015.8 3.638 557	1016.3 3.536 558	1017.5 5.242 556	1018.3 6.112 588	1017.9 8.082 570	1019.4 8.500 588	1016.9 7.084 6846
03	MEAN S D TOTAL OBS	1020.0 8.648 558	1018.6 8.769 536	1015.6 8.552 589	1014.8 7.743 564	1014.6 5.543 558	1014.1 4.681 539	1015.5 3.809 558	1016.1 3.643 558	1017.4 5.310 555	1018.2 6.319 581	1017.4 8.422 538	1019.2 8.536 557	1016.8 7.180 6691
06	MEAN S D TOTAL OBS	1020.0 8.756 651	1018.8 8.908 620	1016.3 8.617 682	1015.4 7.785 663	1015.8 5.809 806	1015.1 4.775 780	1016.4 3.947 805	1016.9 3.927 806	1018.3 5.191 779	1018.8 6.358 781	1018.0 8.451 620	1019.3 8.822 651	1017.4 7.038 8636
09	MEAN S D TOTAL OBS	1021.1 8.853 775	1019.7 8.699 734	1017.3 8.579 806	1016.1 7.804 780	1016.1 5.872 805	1015.4 4.788 778	1016.8 3.917 803	1017.3 3.953 805	1018.9 5.239 780	1019.4 6.422 806	1018.6 8.347 780	1020.0 8.942 806	1018.0 7.248 9458
12	MEAN S D TOTAL OBS	1020.0 9.024 713	1019.0 8.848 679	1016.7 8.375 745	1015.6 7.723 706	1015.4 5.678 715	1014.7 4.660 708	1016.3 3.872 745	1016.9 3.697 744	1018.0 5.167 720	1018.3 6.202 744	1017.6 8.185 720	1019.1 8.734 743	1017.3 7.112 8682
15	MEAN S D TOTAL OBS	1019.3 8.995 712	1017.9 8.691 679	1015.4 8.178 744	1014.5 7.531 705	1014.4 5.490 713	1013.7 4.531 706	1015.2 3.836 745	1015.7 5.697 744	1016.6 5.120 718	1017.2 5.986 744	1016.9 8.035 710	1018.4 8.584 744	1016.3 7.003 8672
18	MEAN S D TOTAL OBS	1020.0 8.737 774	1018.6 8.430 732	1015.8 8.089 806	1014.4 7.335 771	1014.2 5.251 806	1013.4 4.382 778	1014.8 3.677 806	1015.4 3.660 806	1016.8 4.990 760	1017.6 5.886 788	1017.7 7.897 778	1019.0 8.517 806	1016.5 6.957 9411
21	MEAN S D TOTAL OBS	1020.2 8.695 774	1019.0 8.375 733	1016.3 8.151 806	1015.2 7.389 780	1015.1 5.290 806	1014.3 4.375 779	1015.5 3.621 806	1016.1 3.668 806	1017.6 4.977 752	1018.1 5.953 776	1019.0 7.870 780	1019.2 8.607 795	1017.0 6.909 9393
ALL HOURS	MEAN S D TOTAL OBS	1020.0 8.819 5546	1018.8 8.702 5278	1016.2 8.379 5790	1015.2 7.624 5539	1015.1 5.585 5763	1014.4 4.642 5607	1015.8 3.847 5825	1016.3 3.783 5827	1017.6 5.195 5620	1018.3 6.186 5810	1017.7 8.158 5514	1019.2 8.668 5690	1017.0 7.083 67809