

AD-A179 196

MCCONNELL AFB KANSAS REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT AFB 67 APR 87  
USAFETAC/DS-87/016 F/G 4/2

UNCLASSIFIED

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USAS 37505 BIN FILE LWD  
RTN -  
10/11/86/PS 8/2/16

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9 APR 1987

AD-A179 196

# OPERATING LOCATION - A

## USAFETAC

### Air Weather Service (MAC)



#### REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

MCCONNELL AFB KS MSC #724505  
N 37 37 W 097 16 ELEV 1371 FT KIAB  
PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST  
PERIOD OF RECORD:  
HOURLY OBSERVATIONS: JAN 77 - DEC 86  
SUMMARY OF DAY DATA: DEC 53 - DEC 86  
TIME CONVERSION GMT TO LST -6

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Distribution Unlimited."

ASHEVILLE, N.C. 28801 - 2723

DTIC  
SELECTED  
APR 17 1987  
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**REVIEW AND APPROVAL STATEMENT**

USAFETAC/DS-87/016, McConnell AFB KS RUSSWO April 1987, is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER



WALTER S. BURGMANN  
Scientific and Technical Information Program Manager

REPORT DOCUMENTATION PAGE

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- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
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- 13b. Time Covered: Dec 53-Dec 86.
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18. Subject Terms: \*climatology; \*weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); McConnell AFB; Kansas; Wichita; USKS724505.
19. Abstract: A six-part statistical data summary of surface weather observations for: McConnell AFB KS. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-2625
- 22c. Office Symbol: USAFETAC/LDD

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



Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	<input checked="" type="checkbox"/>

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## 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 compiled 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. Air Force and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for each 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  
(WET 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 six 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 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.

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

STATION NO. 43923	NAME OF STATION W. G. M. APP KANSAS	LATITUDE N 37 37	LONGITUDE W 097 16	FIELD ELEV (FT) 1371	CALL SIGN IAB	WMO NUMBER
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### 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			FIELD (FT)	HT. BARR.	
1	McConnell AFB, Wichita Kansas	APP	Nov 53	Mar 55	N 37 37	W 097 16	1362	1384	24
2	Same	Same	Apr 55	Mar 58	Same	Same	1374	1388	24
3	Same	Same	Apr 58	Mar 59	Same	Same	1371	Same	24
4	Same	Same	Apr 59	Apr 61	Same	Same	Same	1352	24
5	Same	Same	Oct 61	Mar 64	Same	Same	Same	1355	24
6	Same	Same	Apr 64	Mar 69	Same	Same	Same	1381	24
7	Same	Same	Apr 69	Dec 73	Same	Same	Same	1357	24
8	Same	Same	Jan 74	Dec 78	Same	Same	Same	Same	24
9	Same	Same	Jan 79	May 80	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECEIVER	HT ABOVE GROUND	
1	Mar 55	Located on roof of H <sub>2</sub> bldg.	AN/GM, -1	None	70 ft	
2	5 Apr 55	Located on top of base operations bldg.	Same	None	70 ft	
3	Apr 59	Located 100 ft N of wx str. on top of parachute tower.	Same	None	50 ft	
4	Apr 64	Located 5700 ft S of wx str., 100 ft S of approach end of runway 30R, 110 ft S of centerline of runway 30R.	AN/GM, -1	None	13 ft	
5	Apr 64	Same instrumented				
		1. Located approach end of runway 30R.	AN/GM, -1	None	13 ft	
		2. Located approach end of runway 30L.	Same	None	16 ft	



STATION NO. OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT)	CALL SIGN	WMO NUMBER
03923	McCOMBELL AFB KANSAS	N 37 37	W 097 16	1371	IAB	

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARD.	
1	McCombell AFB, Wichita Kansas	AFB	Nov 53	Mar 55	N 37 37	W 097 16	1362	1384	24
2	Same	Same	Apr 55	Mar 58	Same	Same	1374	1388	24
3	Same	Same	Apr 58	Mar 59	Same	Same	1371	Same	24
4	Same	Same	Apr 59	Sep 61	Same	Same	Same	1352	24
5	Same	Same	Oct 61	Mar 64	Same	Same	Same	1355	24
6	Same	Same	Apr 64	Mar 69	Same	Same	Same	1381	24
7	Same	Same	Apr 69	Dec 73	Same	Same	Same	1357	24
8	Same	Same	Jan 74	Dec 78	Same	Same	Same	Same	24
9	Same	Same	Jan 79	Mar 80	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECEIVER	HT ABOVE GROUND	
1	Nov 53	located on roof of HQ bldg.	AN/GM, -1	None	70 ft	
2	5 Apr 55	located on top of base operations bldg.	Same	None	70 ft	
3	3 Apr 58	located 100 ft N of wx stn on top of parachute tower.	Same	None	50 ft	
4	7 Aug 61	located 5700 ft E of wx stn, 1200 ft N of approach end of runway 30, 1100 ft E of centerline of runway 30	AN/GM, -1	None	13 ft	
5	3 Apr 64	relocated and instrumented				
		1. located approach end of runway 30	AN/GM, -1	None	13 ft	
		2. located approach end of runway 30	Same	None	16 ft	

NUMBER OF ACTION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	
	21 Apr 69	18 Dual Instrumented			
		1. Same	AN/SMQ-20	RC-363	13 ft
		2. Same	AN/SMQ-20		16 ft
7	Jan 71	Dual Instrumented			
		1. Located 1100 ft E of centerline 3355 ft from end of rwy 36R.	Same	Same	13 ft
		2. Located 550 ft E of centerline, 1400 ft from end of rwy 18L.	Same		16 ft
8	Dec 78	1. Same	Same	Same	13 ft
		2. Same	Same		16 ft
9	Mar 87	1. Same	Same	Same	13 ft
		2. Same	Same		16 ft

## PART A

## WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.













U.S. NAVAL CLIMATOLOGY ANCHOR  
 STATION  
 MONTH

# WEATHER CONDITIONS

STATION NAME YEARS MONTH

PERCENTAGE OF OBSERVATIONS WITH  
 SPECIFIC WEATHER CONDITIONS

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
	0-23	.1	.0										
	0-5												
	6-11												
	12-17												
	18-23												
	0-5												
	6-11												
	12-17												
	18-23												
TOTALS													

NAVWEASERVCOM













ALBUQUERQUE, N.M.  
 1954

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

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	1	.1	.4	1.0			100	1.0					1
FEB	1		.5	1.0			100	1.0					1
MAR	1	.1		1.0			100	1.0					1
APR	1-1	.1		1.0			100	1.0					1
MAY	1-1	.1		1.0			100	1.0					1
JUN	1-1	.1		1.0			100	1.0					1
JUL	1-1	.1		1.0			100	1.0					1
AUG	1-1	.1		1.0			100	1.0					1
SEPT	1-1	.1		1.0			100	1.0					1
OCT	1-1	.1		1.0			100	1.0					1
NOV	1-1	.1		1.0			100	1.0					1
DEC	1-1	.1		1.0			100	1.0					1
TOTALS		.1		1.0			100	11.0					11

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STATION: TROOP CAMP  
 T. S. 1017-1018

# WEATHER CONDITIONS

STATION: TROOP CAMP STATION NAME: TROOP CAMP YEARS: 1951 MONTH: 1

PERIOD OF RECORD: 10/1/50 TO 12/31/51  
 NUMBER OF OBSERVATIONS: 100

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
1	1												1
1	2												2
1	3												3
1	4												4
1	5												5
1	6												6
1	7												7
1	8												8
1	9												9
1	10												10
1	11												11
1	12												12
1	13												13
1	14												14
1	15												15
1	16												16
1	17												17
1	18												18
1	19												19
1	20												20
1	21												21
1	22												22
1	23												23
1	24												24
1	25												25
1	26												26
1	27												27
1	28												28
1	29												29
1	30												30
1	31												31
TOTALS													100

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## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

B

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest, and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

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

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800IST  
 Jan 46-May 57 at 1230GMT  
 Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT  
 Jul 52-May 57 at 1230GMT  
 Jun 57-present at 1200GMT

GENERAL CLIMATOLOGY BRANCH  
 AFETAC  
 1700 WATSON SERVICE ROAD

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

22415 MCCONNELL AFB TX 1956  
 STATION STATION NAME YEARS

MONTH	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
JAN	3.7	19.6	1.7	5.6	3.9	3.1	1.8	1.2	.4					22.3	1073	2.6	7.12	TRAC
FEB	2.1	19.9	1.7	5.5	2.1	3.4	2.6	2.2	.9					19.6	871	1.8	7.76	TRAC
MAR	2.7	17.6	1.8	4.8	2.8	3.7	4.9	3.4	2.2	.1				23.3	1023	2.4	10.57	TRAC
APR	2.1	14.2	2.4	4.6	3.8	4.5	3.7	4.4	2.3	.2				20.7	940	3.1	7.20	.44
MAY	2.1	15.6	2.6	5.8	2.3	3.5	5.6	3.3	3.9	.2				20.7	1023	4.1	5.02	.44
JUN	5.0	14.1	2.3	4.3	3.0	4.0	5.4	5.3	4.1	.2	.1			20.9	871	4.4	10.77	.2
JUL	5.0	11.8	1.8	3.2	2.1	4.7	3.7	4.5	3.2	.2				21.2	1023	3.4	9.11	TRAC
AUG	5.7	11.0	2.1	4.1	2.2	3.9	5.4	3.2	2.4	.2	.1			23.7	1023	3.2	10.46	.44
SEP	2.1	11.7	2.4	4.0	2.5	4.2	4.0	4.3	3.4	.4				21.5	871	3.7	10.07	.11
OCT	6.7	11.3	2.3	4.5	2.2	3.5	2.7	.6	2.0	.3				20.0	1023	3.1	10.70	TRAC
NOV	6.9	11.2	1.8	5.2	1.7	3.0	2.6	2.3	1.2	.2				7.1	940	1.4	7.79	.0
DEC	5.7	14.9	2.2	6.0	2.6	4.3	2.6	1.3	.6					16.4	1023	1.2	2.54	.4
ANNUAL	.2	14.5	2.0	4.4	2.6	4.1	3.7	3.4	2.3	.2	.2			22.3	120	3.3	10.10	.1

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/PAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 53-86

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
53													.65	
54	.12	1.24	1.00	1.20	1.60	.16	.05	.64	1.33	.74	.00	.10	1.40	
55	.56	1.42	.35	.32	2.18	1.49	1.50	.54	1.84	4.41	.03	.03	4.41	
56	.16	.24	1.07	.66	.63	.65	.61	.32	.12	1.13	.59	.11	1.13	
57	.16	.67	1.06	1.11	2.30	1.67	1.34	.92	2.27	.55	.66	.40	2.30	
58	.54	.46	1.21	.81	1.97	.81	2.33	1.35	2.07	TRACE	.81	.76	2.33	
59	.42	.66	.48	.86	1.64	.67	4.34	2.61	1.02	2.85	.07	.74	4.34	
60	.73	.79	.37	.23	1.45	.90	2.64	6.90	.87	2.79	.26	1.32	6.90	
61	.69	1.08	.67	1.97	2.72	1.41	2.23	2.53	1.24	1.46	1.34	.56	2.72	
62	.48	.27	.47	.36	.34	1.40	2.05	1.45	1.86	.44	1.19	.30	2.05	
63	1.02	TRACE	.64	.14	2.12	1.64	.87	1.54	1.10	1.44	.61	.18	2.12	
64	.45	.53	.70	1.72	2.63	1.34	.82	2.23	1.79	1.62	2.80	.83	2.63	
65	.06	4.73	.66	1.46	1.98	5.06	2.51	1.00	2.52	.32	.02	1.24	5.06	
66	.11	1.05	.65	.80	.17	.61	1.07	.74	.30	.23	.15	.21	1.07	
67	.37	.07	.42	1.24	.60	1.72	2.12	.44	1.14	1.35	.33	.35	2.12	
68	.11	.17	.51	1.63	1.46	1.44	.61	.99	2.30	1.21	1.72	1.27	2.30	
69	.07	.74	1.24	2.74	1.71	1.26	2.60	1.04	1.91	1.02	.03	.80	2.74	
70	.18	.12	.39	2.00	.99	2.40	.64	.78	1.35	1.65	.03	.50	2.40	
71	1.24	.82	TRACE	1.24	1.27	1.23	1.46	.40	1.21	2.31	1.14	.50	1.27	
72	.12	.24	.27	1.11	.63	.59	1.44	1.13	.72	.75	1.26	.41	1.44	
73	.86	.42	2.41	.85	.33	.70	1.45	1.13	2.74	2.30	.50	.55	2.74	
74	.46	.37	1.27	2.03	1.05	1.39	.01	1.76	.61	1.55	2.11	.71	2.11	
75	.94	.80	.84	1.22	2.14	1.94	TRACE	1.61	.65	.01	.76	.03	2.14	
76	.10	.17	.35	1.92	1.00	1.77	2.68	.23	3.41	.64	.22	.11	3.41	
77	.24	.13	1.82	1.64	2.01	1.45	.63	2.47	.44	.00	1.18	.11	2.47	
78	.35	1.55	1.34	3.25	1.82	1.92	2.44	.56	1.84	.15	.62	.24	3.25	
79	.90	.41	1.67	1.24	1.43	3.30	1.44	.53	2.25	1.21	2.70	1.03	3.30	
80	1.27	.92	1.54	.64	2.25	.61	.63	1.12	.63	.67	.60	2.16	3.12	
81	.06	.21	.75	.84	2.06	1.17	1.44	.55	.90	1.47	1.14	.13	2.06	
82	1.44	.40	1.80	.85	1.63	1.41	.73	.45	1.04	.44	.54	.44	1.91	

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUE ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
83	.66	.78	1.4	1.36	1.00	2.19	2.42	1.27	1.55	1.23	.74	.72	2.42
84	.18	.55	2.02	1.31	1.12	3.50	.43	1.40	2.23	.74	1.20	2.30	3.50
85	.35	.66	.63	1.38	1.98	2.21	1.69	1.23	1.47	2.86	.38	.48	2.86
86	TRACE	.66	.67	.71	1.05	1.66	2.37	2.47	3.37	1.45	.62	.88	3.37
MEAN	.451	.593	.978	1.243	1.492	1.598	1.512	1.403	1.538	1.288	.804	.820	2.681
STD.	.404	.399	.646	.688	.680	.964	.990	1.247	.815	.956	.725	.531	1.697
TOTAL OBS	1023	931	1723	990	1023	990	1023	1023	990	1023	990	1654	12683

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724565 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-R6

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
53													1.31
54	.12	1.24	1.43	2.10	3.76	.60	.08	2.33	1.72	1.74	.00	.21	15.33
55	.83	1.98	.84	.67	4.62	5.09	3.03	.82	3.25	6.35	.03	.04	27.55
56	.63	.50	1.44	1.11	2.26	1.28	2.50	.97	.16	2.28	.81	.69	14.63
57	.72	1.19	2.66	5.37	6.69	10.07	1.93	.82	5.18	1.92	2.02	.59	39.16
58	1.18	1.16	5.06	1.28	3.76	2.63	6.63	2.10	5.94	TRACE	1.24	.71	31.69
59	.57	.71	.94	2.07	6.17	2.33	9.10	4.97	3.58	9.70	.15	2.11	42.40
60	1.28	1.94	1.39	.59	4.22	3.53	9.01	10.46	2.34	7.15	.28	2.16	44.35
61	.09	1.98	2.95	3.49	6.48	3.52	7.75	5.62	4.94	4.93	3.50	1.11	46.16
62	1.37	.49	.59	.77	1.00	4.03	6.90	2.45	7.53	.98	1.81	.60	28.52
63	1.57	TRACE	1.78	.44	5.08	4.36	3.95	2.39	3.58	2.34	.88	.81	27.18
64	.54	.84	.89	3.93	5.19	2.68	1.52	6.08	3.54	2.22	7.79	1.04	36.26
65	.25	*2.10	.83	4.71	6.42	7.81	4.81	3.29	9.27	.37	.02	2.20	*42.08
66	.33	1.30	.05	2.13	.45	1.10	1.75	1.93	.63	.57	.15	.48	10.82
67	.61	.07	1.20	2.60	1.72	7.14	6.42	1.75	2.63	4.23	.47	.88	29.72
68	.28	.17	1.09	4.27	6.43	3.55	2.43	4.17	3.28	2.58	2.71	2.31	33.97
69	.26	1.34	2.25	6.05	5.09	5.06	6.85	2.07	4.63	3.06	.06	1.71	38.43
70	.32	.12	2.85	5.65	1.37	6.25	1.01	1.18	4.54	2.83	.07	.50	26.69
71	1.77	2.76	TRACE	3.48	2.99	2.96	6.33	1.97	2.28	6.62	2.72	1.49	35.37
72	.35	.46	.70	3.88	1.72	1.44	5.52	2.68	1.43	2.82	4.33	1.12	26.45
73	3.12	1.10	10.57	3.21	.99	1.10	3.18	1.73	9.25	4.05	.78	1.57	40.65
74	.78	.45	2.90	4.58	3.60	2.92	.02	6.06	1.18	5.23	3.90	2.22	33.84
75	2.05	1.85	1.75	1.77	7.47	6.22	TRACE	3.73	1.56	.01	1.98	.08	28.47
76	.13	.34	1.50	7.20	3.84	4.24	7.17	.42	5.06	1.33	.29	.17	31.79
77	.43	.23	3.44	4.78	9.02	4.25	3.23	9.29	3.36	1.28	2.42	.14	41.87
78	1.09	2.29	2.47	4.80	4.64	5.44	4.00	2.11	5.02	.15	3.18	.71	35.90
79	2.27	.49	5.27	3.56	3.44	7.44	2.33	1.31	2.56	1.90	3.81	1.44	35.82
80	2.11	1.34	4.42	1.37	4.36	1.84	.63	4.93	.96	1.51	.83	2.55	26.85
81	.11	.30	2.64	1.12	7.63	3.59	3.62	2.34	3.47	4.90	3.87	.28	33.87
82	1.78	.94	3.34	1.12	7.87	6.37	1.29	1.33	1.33	1.56	1.12	2.05	30.10

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
83	1.47	1.64	6.65	4.01	3.60	10.03	3.43	1.95	3.61	3.73	2.35	1.43	43.90
84	.32	1.49	10.29	5.64	3.55	6.28	.64	2.13	2.69	3.36	1.59	3.54	41.72
85	.52	2.10	1.97	4.10	3.65	5.40	3.20	3.27	5.42	6.58	.91	.73	37.85
86	TRACE	1.12	1.54	2.39	5.55	5.38	6.98	7.52	5.87	4.09	.82	1.67	43.13
MEAN	.886	1.060	2.657	3.159	4.383	4.416	3.859	3.238	3.697	3.101	1.724	1.201	33.139
S.D.	.770	.737	2.515	1.832	2.170	2.435	2.706	2.449	2.241	2.337	1.730	.847	8.686
TOTAL OBS	1023	931	1023	990	1023	990	1023	1023	990	1023	990	1054	12043

NOTE \* (BASED ON LESS THAN FULL MONTHS)

JOEVAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 1953-86

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
53													1.4	12
54	1.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
55	1.3	1.8	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
56	2.2	3.6	2.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
57	2.0	3.4	1.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	12
58	5.0	3.9	5.7	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.7	12
59	6.8	.3	.9	1.5	.0	.0	.0	.0	.0	.0	.0	1.5	1.7	12
60	1.9	4.0	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	.0	.0	1.9	12
61	.8	4.6	5.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	5.0	12
62	4.8	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
63	4.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
64	TRACE	2.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.7	12
65	1.8	4.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
66	2.0	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	6.7	12
67	3.7	TRACE	.5	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.6	.0	12
68	TRACE	.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
69	TRACE	2.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	12
70	2.1	TRACE	1.0	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	12
71	.2	8.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	12
72	1.1	2.9	2.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	2.0	12
73	3.0	TRACE	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
74	.9	.3	1.6	TRACE	.0	.0	.0	.0	.0	.0	.0	1.7	1.7	12
75	6.6	4.6	8.8	.4	.0	.0	.0	.0	.0	.0	.0	3.6	.4	12
76	1.0	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.8	TRACE	12
77	.8	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12
78	3.5	2.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.9	12
79	4.0	.8	.3	4.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12
80	.3	9.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12
81	TRACE	2.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.3	12
82	TRACE	4.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12

NOTE \* TRASED ON LESS THAN FULL MONTHS

(CONTINUED ON NEXT PAGE)

LOCAL CLIMATE DIVISION  
 WASH DC  
 AIR WEATHER SERVICE/MAJ

EXTREME VALUES OF SNOWFALL  
 FROM DAILY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB TX

PERIOD OF RECORD: 1949-1956

YEAR	24 HOUR AMOUNT (IN INCHES)												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
49	0	0	0	TRACE	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	5.8	3.0	TRACE	TRACE	0	0	0	0	0	0	0	0	0
56	0	0	TRACE	0	0	0	0	0	0	0	TRACE	0	0
MEAN	2.19	2.95	1.62	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.72	0.94
TOTAL	11977	2,574	3,151	1,000	0.00	0.00	0.00	0.00	0.00	1,119	1,493	1,490	1,174
TOTAL	1927	931	1,021	991	1,023	990	1,123	1,023	990	1,123	990	1,123	1,023

NOTE: \* (BASED ON LESS THAN FULL MONTHS)

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB TX

PERIOD OF RECORD: 53-86

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
53													2.4	
54	1.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.6
55	2.0	2.4	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.3
56	8.5	3.4	5.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.6	26.6
57	7.1	3.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	13.7
58	6.8	7.1	17.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.8	41.3
59	7.9	.4	.9	1.5	.0	.0	.0	.0	.0	.0	.0	2.1	.7	13.5
60	3.4	16.9	4.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3	3.3	31.9
61	.8	9.2	7.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	5.9	23.4
62	12.3	.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0	14.7
63	5.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	12.4
64	TRACE	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.7	7.3
65	1.8	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	6.6
66	4.2	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.7	7.1
67	3.7	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.5	7.8
68	TRACE	.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	1.2
69	TRACE	2.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.8	7.0
70	3.1	TRACE	18.3	.6	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.5	24.5
71	.2	18.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	25.5
72	2.4	4.4	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	17.8
73	8.0	TRACE	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.8
74	1.7	.5	2.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.3
75	7.3	11.4	9.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	4.4	33.3
76	1.3	1.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.0
77	2.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.3
78	10.7	9.9	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.6
79	14.3	.8	.5	4.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	14.9
80	.9	12.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	14.1
81	TRACE	2.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.3	4.0
82	TRACE	11.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.0	13.7

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 57-86

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS
	JAN	FEB	MAR	Apr	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
83	13.3	10.3	.6	TRACE	.0	.0	.0	.0	.0	.0	3.6	8.5	36.3
84	4.0	1.5	3.9	.0	.0	.0	.0	.0	.0	.0	5.3	5.1	23.8
85	4.4	4.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.5	3.4	14.3
86	.0	3.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.5	4.7
MEAN	4.21	4.46	2.58	.29	.00	.00	.00	.00	.00	.02	1.05	2.86	15.84
S.D.	4.154	5.271	4.792	.850	.000	.000	.000	.000	.000	.139	1.907	2.724	10.859
TOTAL OBS	1023	931	1021	990	1023	990	1023	1023	990	1023	990	1053	12080

NOTE \* (BASED ON LESS THAN FULL MONTHS)

U.S. AIR FORCE CLIMATE DIVISION  
 WASHINGTON, D.C. 20330  
 FORM 0-15-5 (OLA)  
 1 OCT 75

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION: CONWELL FIELD STATION NAME: CONWELL FIELD YEARS: 1955-1964

MONTH	NONE	TRACE	AMOUNTS (INCHES):								PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES):			
			0.01-0.05	0.06-0.10	0.11-0.25	0.26-0.50	0.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00			10.01-25.00	OVER 25.00	MEAN	GREATEST
JAN	1.0	1.0	2.0	3.0	4.0	7.2	13.24	21.30	37.48	49.60	61.20	OVER 120	100	1.7	7.0	0.0
FEB	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
MAR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
APR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
MAY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
JUN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
JUL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
AUG	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
SEP	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
OCT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
NOV	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
DEC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0
ANNUAL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100	1.0	1.0	0.0

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC		
						JUN	JUL							
53													2	
54	1	0	0	0	0	0	0	0	0	0	0	0	TRACE	1
55	2	3	2	0	0	0	0	0	0	0	0	0	TRACE	3
56	3	4	1	0	0	0	0	0	0	0	0	0	1	4
57	2	3	1	1	0	0	0	0	0	1	TRACE	TRACE		5
58	7	2	6	0	0	0	0	0	0	0	2		5	7
59	6	7	TRACE	0	0	0	0	0	0	0	2	TRACE		7
60	4	8	9	0	0	0	0	0	0	0	TRACE		2	9
61	1	6	5	TRACE	0	0	0	0	0	0	0		2	6
62	11	TRACE	0	0	0	0	0	0	0	0	0		2	11
63	5	TRACE	TRACE	0	0	0	0	0	0	0	0		6	6
64	0	2	0	0	0	0	0	0	0	0	0		5	5
65	1	2	0	0	0	0	0	0	0	0	0		1	2
66	2	1	0	0	0	0	0	0	0	0	0		3	3
67	3	0	0	0	0	0	0	0	0	0	0		1	3
68	0	1	0	0	0	0	0	0	0	0	0		1	1
69	1	4	4	0	0	0	0	0	0	0	0		2	4
70	3	0	10	0	0	0	0	0	0	0	0		1	10
71	0	14	1	0	0	0	0	0	0	0	4		2	14
72	2	4	TRACE	0	0	0	0	0	0	0	4		1	4
73	6	TRACE	0	TRACE	0	0	0	0	0	0	0		2	6
74	5	2	2	0	0	0	0	0	0	0	0		1	5
75	6	6	9	TRACE	0	0	0	0	0	0	4	TRACE		9
76	1	1	0	0	0	0	0	0	0	0	1	0		1
77	2	TRACE	0	0	0	0	0	0	0	0	0	0		2
78	7	8	TRACE	0	0	0	0	0	0	0	0	0		3
79	9	8	TRACE	2	0	0	0	0	0	0	0	0		9
80	TRACE	11	1	0	0	0	0	0	0	0	0	1		11
81	TRACE	3	0	0	0	0	0	0	0	0	0	1		3
82	TRACE	10	0	0	0	0	0	0	0	0	TRACE	2		10

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
83	4	12	TRACE	0	0	0	0	0	0	0	3	6	12
84	4	0	1	0	0	0	0	0	0	0	2	3	4
85	4	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	2	4
86	0	4	0	0	0	0	0	0	0	0	0	TRACE	4
MEAN	3.1	3.9	1.6	.1	.0	.0	.0	.0	.0	.0	.7	1.7	5.8
S.D.	2.843	3.908	2.905	.384	.000	.000	.000	.000	.000	.174	1.315	1.697	3.496
TOTAL OBS	1023	952	1023	990	1023	990	1023	1023	990	1023	990	1054	12084

NOTE \* (BASED ON LESS THAN FULL MONTHS)



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

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 June 1968, and in tens of degrees starting in 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk ( \* ) is printed in the data block if less than 4 (or 3 in some missing observations) of the peak gusts are available for the month. An ALL MONTH value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

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

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

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

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables indicates no occurrences amounting to less than ".05" percent.

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 60-P6

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
60								SSE*24	N 31	NNW 32	NNW 37	N 35	
61	N 43	W 56	NW 44	NNW 41	ENE 49	SW 44	NNW 52	N *26	N 39	SSW*40	NNE*38	NW *45	W 56
62	NNW*49	N *34	NNE 39	NW 36	SSW 41	N 47	NNW 44	NNW 42	ESE*32	N 33	N 33	N 34	NNW*49
63	NNE*42	NNW 38	NNW 40	S 38	SSW*43	S 42	N 42	NW *45	N 38	N 35	N 43	NW *48	NW *48
64	NNW 40	S 42	S 39	SSW 52	SE 42	S 43	E 34	N 46	NNE 38	N 35	N 40	N 40	SSW 52
65	N 45	N 43	NW 44	SE 39	S 66	NNE 48	W *40	S 29	SW 46	ESE 37	S *35	SSW*40	S 66
66	S 39	SSE 39	NW 48	S 42	NW 41	NNW 38	S 38	E 38	NNE 37	NW 45	NNW 42	N 36	NW 48
67	SSW 40	N 48	SSE 47	S 44	NNE 38	S 48	N 39	ESE 39	SE 32	N 45	S 23	N *39	N 48
68	S *33	N 40	S 44	S 48	SSE 41	W 53	20/ 40	23/ 51	30/ 41	18/ 40	36/ 40	23/ 44	W 53
69	35/ 49	34/ 37	3/ 45	25/ 46	33/ 58	19/ 54	19/ 35	17/ 30	20/ 32	19/ 40	18/ 45	32/ 40	33/ 58
70	2/ 33	36/ 48	36/ 43	28/ 42	18/ 37	34/ 51	28/ 40	1/ 36	9/ 72	2/ 44	36/ 43	36/ 42	9/ 72
71	34/ 43	2/ 46	30/ 64	2/ 52	23/ 48	20/ 52	33/ 49	31/ 36	18/ 47	17/ 47	20/ 52	36/ 45	30/ 64
72	19/ 47	19/ 53	33/ 54	30/ 51	21/ 44	27/ 55	37/ 55	23/ 35	19/ 37	17/ 35	35/ 38	19/ 37	27/ 55
73	35/ 46	16/ 38	19/ 48	21/ 58	32/ 44	20/ 40	32/ 46	33/ 49	18/ 40	30/ 53	18/ 39	32/ 44	21/ 58
74	35/ 28	32/ 50	32/ 39	18/ 48	36/ 41	29/ 40	18/ 35	20/ 60	35/ 31	19/ 44	33/ 43	35/ 35	20/ 60
75	35/ 45	36/ 37	27/ 48	12/ 40	24/ 33	17/ 40	22/ 29	34/ 84	2/ 35	18/ 42	23/ 62	18/ 52	34/ 84
76	35/ 33	33/ 52	17/ 47	19/ 42	7/ 36	34/ 39	3/ 33	25/ 33	16/ 46	18/ 36	36/ 34	36/ 40	33/ 52
77	1/ 43	36/ 40	13/ 52	19/ 37	16/ 35	3/ 29	24* 36	31/ 46	20/ 36	18/ 37	1/ 45	33/ 39	13/ 52
78	34/ 45	35/ 40	18/ 37	29/ 43	33/ 43	14/ 50	22/ 56	25/ 36	26/ 40	20/ 31	4/ 31	30/ 40	22/ 56
79	36/ 41	35/ 44	34/ 47	19/ 38	17/ 42	20/ 40	1/ 46	20/ 48	36/ 44	13/ 45	19/ 35	18/ 36	20/ 48
80	18/ 42	19/ 32	16/ 40	12/ 37	21/ 32	19/ 33	36/ 42	16/ 40	19/ 40	19/ 40	20/ 30	36/ 33	18/ 42
81	36/ 33	36/ 44	3/ 38	18/ 35	36/ 45	19/ 39	15/ 47	20/ 50	31/ 41	33/ 37	29/ 39	35/ 38	20/ 50
82	34/ 36	3/ 27	17/ 37	29/ 48	19/ 38	29* 53	1* 50	22/ 49	19/ 39	31/ 39	20/ 45	19/ 41	29* 53
83	34/ 33	35/ 35	33/ 35	36/ 43	31/ 50	28/ 38	19/ 30	32/ 29	36/ 39	17/ 36	33/ 38	1/ 33	31/ 50
84	1/ 33	24/ 38	36/ 34	26/ 47	20/ 34	15/ 56	18/ 30	22/ 26	18/ 46	18/ 40	18/ 40	4/ 34	15/ 56
85	2/ 37	36/ 32	36/ 37	20/ 44	13/ 31	34/ 42	33/ 25	12/ 40	18/ 32	20/ 43	18/ 38	34/ 35	20/ 44
86	32/ 37	35/ 46	24/ 47	16/ 48	17/ 44	19/ 46	37/ 40	4/ 52	18/ 37	17/ 32	36/ 37	17/ 29	16/ 48
MEAN	39.6	41.6	43.7	43.8	42.1	44.3	40.3	41.8	39.8	39.3	39.7	38.3	55.4
S.D.	5.614	6.983	6.691	5.755	7.944	7.009	8.353	12.349	8.078	5.366	7.462	5.024	10.170
TOTAL OBS	794	726	801	777	801	774	784	810	792	823	795	820	949

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 % (BASED ON LESS THAN FULL MONTHS AND \*100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.4	4.7	5.4	5.1	2.3	.2	.2					19.2	10.1
NNE	.5	2.3	2.2	2.3	.4	.1						7.7	9.2
NE	.6	1.8	1.2	.6								4.3	6.6
ENE	.5	1.3	.8									2.6	5.0
E	.6	1.5	.9									3.0	5.6
ESE	.9	1.6	.4									2.9	4.4
SE	1.1	.6	.6	.2								2.6	5.2
SSE	.8	1.2	2.2	1.5	.6							6.2	9.2
S	1.5	3.5	4.0	1.6	.5	.3						11.5	8.0
SSW	1.3	1.9	1.3	.4	.1							5.1	6.3
SW	1.7	.9	.6	.4								3.7	5.4
WSW	.8	1.4	.4		.1							2.7	5.4
W	1.0	1.5	.3	.1								2.9	4.6
WNW	.3	.6	.5	.1	.1							1.7	7.4
NW	.3	.6	.4	.6	.2							2.3	9.0
NNW	1.2	1.1	2.2	2.5	.3							7.2	8.7
VARIABLE													
CALM	////////////////////											14.4	////
TOTALS	14.5	26.7	23.3	15.5	4.7	.6	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(EST): 0100-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.9	3.2	6.1	7.5	1.5	.8						20.0	10.8
NNE	1.2	2.2	2.0	2.3	.2	.2						4.1	8.8
NE	.2	2.0	1.8	.2								4.3	6.5
NNE	.8	.6	1.1	.3								2.8	6.6
E	.9	1.7	.5	.3								3.4	5.4
ESE	.5	1.0	.6									2.2	5.6
SE	.3	1.3	.6	.1								2.4	5.9
SSE	.8	1.3	2.5	1.1	.8							6.3	9.0
S	1.7	2.7	1.7	3.1	1.1							10.3	9.2
SSW	.9	2.0	1.2	.4								4.4	6.0
SW	.4	2.3	1.0	.3								4.0	6.0
WSW	1.1	1.5	.2									2.8	4.0
W	1.3	.4	.4									2.5	3.9
WNW	.5	1.1	.5		.1							2.3	6.1
W	.3	.9	1.6	1.0	.5		.1					4.4	10.2
NNW	.5	1.5	2.8	1.4	.2							6.5	8.7
VARIABLE													
CALM	////////////////////											13.4	////
TOTALS	12.2	26.0	24.8	18.1	4.4	1.0	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(EST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	3.9	7.2	6.1	1.5	1.0	.1					21.1	10.7
NNE	.8	1.7	2.7	2.4	1.0							8.5	9.5
NE	.6	1.3	1.4	.4	.1							3.9	6.8
ENE	.9	1.2	.9	.3								3.2	6.2
E	1.3	1.5	1.1	.2	.1							4.2	5.6
ESE	1.0	1.2	.1	.1								2.4	4.3
SE	1.0	1.1	1.0	.1								3.1	5.5
SSE	1.1	.9	2.2	1.9	.1							6.1	8.5
S	1.4	2.2	2.2	2.2	1.3	.4						9.6	10.0
SSW	1.2	1.5	1.0	.5								4.2	6.1
SW	.6	1.0	1.1	.3								3.0	6.3
WSW	.3	1.3	.4									2.0	5.1
W	1.0	1.3	.2	.1								2.6	4.6
WNW	.6	.8	.3	.2								1.9	5.2
NW	.9	.6	1.5	1.1								4.1	7.6
NNW	.3	1.6	2.7	2.3	.3							7.2	9.4
VARIABLE													
CALM	////////////////////											12.9	////
TOTALS	14.2	22.9	25.8	18.3	4.4	1.4	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(EST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.0	3.2	6.8	8.5	2.3	.8	.2					22.7	11.3
NNE	.4	1.6	2.4	2.0	.6	.1						7.2	9.7
NE	.1	1.8	1.5	.8	.3							4.5	8.2
ENE	.3	.5	1.0	.3	.1							2.3	8.1
E	.6	1.3	1.2		.2							3.3	6.8
ESE	.2	.4	1.2	.4								2.3	8.3
SE	.4	.8	1.7	.2								3.1	6.8
SE	.6	2.2	1.4	2.8	.4							7.4	9.3
S	1.7	1.5	2.3	3.3	1.3	.8						10.9	11.0
SSW	.8	1.8	2.3	1.8	.4							7.1	8.8
SW	.3	1.5	1.7	.8								4.3	7.5
WSW	.9	1.0	.3									2.2	4.4
W	.6	1.6	.6	.1								3.0	5.3
WNW	.5	.5	.5	.3								1.9	5.8
NW	.3	.6	.8	1.9	.1							3.7	9.6
NNW	.6	1.2	2.9	3.4	.4	.1						8.7	10.3
VARIABLE													
CALM	////////////////////////////////////											5.5	////
TOTAL	9.6	21.6	28.5	26.7	6.2	1.7	.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	3.3	5.2	7.0	3.8	.9	.2					21.1	12.0
NNE	.4	1.1	3.1	1.6	.9							7.1	10.3
NE	.3	.9	1.0	.5	.3							3.0	8.6
NNE	.4	.8	.5	.8	.1							2.6	6.3
E	.6	1.0	.4	.3								2.4	6.0
ESE	.1	.6	1.1	.5								2.4	6.5
SE	.1	1.1	1.1	.3	.1							2.7	8.3
SSE	.2	1.4	1.5	2.2	.2	.2						5.7	10.0
S	.5	2.4	3.7	2.9	2.0	.5	.2					12.3	11.4
SSW	.6	1.3	1.9	1.8	.8	.4						6.9	10.8
SW	.1	1.0	1.4	2.0	.1							4.6	10.0
WSW	.8	3.1	1.2	.4	.1							5.6	6.2
W	.4	2.2	1.6	.1								4.3	6.2
WNW	.3	.4	1.2	.4	.1	.1						2.6	9.1
NW	.5	1.1	1.1	1.1	.2	.2						4.2	9.1
NNW	.5	1.5	3.2	3.9	.8	.8						10.6	11.3
VARIABLE													
CALM	////////////////////											2.0	////
TOTALS	6.9	23.0	29.1	25.9	9.5	3.1	.4					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77 HR  
 MONTH: JAN HOURS TESTED: 2500 (77)

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.7	2.7	5.6	6.8	2.0	.5						19.8	11.7
NNE	.8	1.3	2.9	3.1	.3							8.4	5.1
NE	.5	.5	1.2	.6	.3							3.2	3.7
NNE	.5	1.2	.6									2.4	3.2
E	.5	1.2	1.1	.3								3.1	4.2
ESE	.2	.9	.8	.3								2.2	2.1
SE	.3	.9	1.0	.5								2.7	2.8
SE		1.7	1.6	1.3	.5							5.2	4.7
S	.4	1.8	4.1	3.4	1.3	.6						11.7	11.3
SSW	.9	1.9	2.9	2.0	.4							8.2	6.7
SW	.9	.9	1.1	.9								3.7	3.2
WSW	.5	1.7	1.5	.4	.1							4.3	3.1
W	.4	1.2	1.2	.3								3.1	3.6
WNW	1.1	.9	1.1	.1	.1	.2						3.4	3.1
NW	.3	1.2	1.6	1.0	.3	.2						4.6	4.7
NNW	.8	1.8	2.4	4.8	1.5	.8		.1				17.2	11.7
VARIABLE													
CALM	////////////////////											3.1	////
TOTALS	9.1	21.7	30.5	26.0	7.0	2.4		.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930



CLIMATE BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WINDS (THESE WINDS WERE NOT OBSERVED FROM MOORE OBSERVATIONS)  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 72065 STATION NAME: MCCONNELL AFB TX

PERIOD OF RECORD: 1951-56  
 MONTH: JAN. NO. OBSERVED: 930

DIRECTION (GUSTS)	WIND SPEED IN KNOTS							TOTAL	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-40		
N	1.8	8.5	8.5	5.9	1.7	2.7	34.5	3.7	
NE	1.2	2.0	2.9	1.6	2.9	2.7	14.4	3.7	
E	2.3	1.9	1.6	2.1	2.1		12.1	3.7	
SE	2.7	1.3	2.9				11.7	3.7	
S	2.3	2.5	1.4	2.1			8.3	3.7	
SW	2.1	1.2	2.8	2.3			11.4	3.7	
W	2.7	2.8	2.9	2.8			11.2	3.7	
WNW	1.0	2.0	2.7	1.6	2.1		11.4	3.7	
W	3.1	2.7	2.4	1.5	2.3	2.7	17.4	3.7	
SWW	1.7	2.0	2.9	2.9			11.5	3.7	
SW	2.5	1.0	2.5				7.0	3.7	
WSW	2.8	2.8	2.7				11.7	3.7	
W	1.1	2.8	2.7				7.0	3.7	
WNW	2.9	1.5	2.7				11.1	3.7	
WSW	2.5	2.6	2.9	2.8	2.1		11.9	3.7	
WSW	2.5	1.8	2.3	2.1	2.6	2.1	11.4	3.7	
VARIABLE									
CLMP	////////////////////							14.5	////
TOTAL	13.1	27.3	24.9	16.2	11.0	1.9	111.7	3.7	

TOTAL NUMBER OF OBSERVATIONS: 930

REGIONAL CLIMATE DATA BRANCH  
 WAFS/TAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	5.0	4.4	4.8	1.6	2.5						16.2	10.1
NNE	2.2	2.2	2.0	3.0	2.3	2.1						9.8	8.4
NE	2.9	2.2	2.5	2.6								4.2	6.2
NNE	2.4	1.0	2.9	2.1								2.4	5.7
E	1.2	1.9	1.0	2.2								4.3	5.2
ESE	2.5	2.9	1.5									2.9	6.0
E	2.5	1.2	2.9	2.1								2.7	5.8
ESE	2.3	1.7	2.4	1.7	2.3							6.5	6.7
E	3.7	3.5	4.2	1.1	2.9	2.2						13.7	7.1
ESE	1.0	2.9	1.9	2.5								4.3	7.0
SE	2.5	1.5	2.1									2.2	4.5
SE	2.2	1.0	2.2									1.4	5.6
S	1.3	2.9	2.8	2.2								3.1	5.1
SSE	2.3	2.2	2.2									2.8	6.8
S	2.4	1.6	1.3	2.3								3.7	6.5
SSE	1.2	2.3	2.3	2.5	2.5							8.7	9.0
VARIABLE													
CALM	////////////////////											13.4	////
TOTALS	16.5	25.8	24.5	15.3	3.7	2.9						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.2	3.6	5.6	6.5	2.0	.6	.1					19.7	10.8
NNE	.9	1.8	2.5	2.3	.5	.1						8.1	9.2
NE	.5	1.6	1.3	.5	.1							3.9	7.2
ENE	.5	1.0	.8	.2	.0							2.5	6.3
E	.8	1.6	.9	.2	.0							3.5	5.9
ESE	.4	1.0	.8	.2								2.4	6.3
SE	.5	1.0	1.0	.5	.0							2.7	6.6
SSE	.6	1.5	2.0	1.8	.4	.0						6.4	9.0
S	1.8	2.5	3.3	2.4	1.1	.4	.0					11.5	9.4
SSW	.9	1.7	1.7	1.0	.2	.1						5.6	7.8
SW	.6	1.2	.9	.6	.0							3.4	6.8
WSW	.7	1.5	.6	.1	.0							2.8	5.5
W	.9	1.3	.7	.1								3.0	5.2
WNW	.5	.8	.6	.1	.1	.0						2.1	6.5
NW	.5	.9	1.1	1.0	.2	.1	.0					3.7	8.8
NNW	.7	1.6	2.6	3.0	.6	.2		.0				8.7	10.2
VARIABLE													
CALM	////////////////////											9.9	////
TOTALS	12.0	24.4	26.5	20.2	5.4	1.5	.1	.0				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 0000-0210

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	GE 56		
N	1.8	2.4	4.1	6.3	1.5	.1	.1					16.3	10.4
NNE	1.3	2.2	1.7	2.1	.6							7.9	8.5
NE	1.1	1.4	.9	.7	.1							4.3	6.4
ENE	.8	.9	.1	.5								2.4	5.8
E	.4	.9	.9	.2	.1	.1						2.7	7.6
ESE	.9	1.3	.6									2.8	5.0
SE	.9	1.5	1.9	.1								4.5	6.2
SSE	2.1	2.4	2.8	1.2								8.5	6.4
S	2.7	3.4	4.7	5.3	.4	.2						16.8	8.7
SSW	1.1	1.3	1.2	.7								4.3	6.7
SW	.7	.9	.6	.1								2.4	5.1
WSW	1.1	.7	.4									2.1	4.1
W	.4	.7	.1	.5								1.7	7.3
WNW	.5	.2	.2									.9	4.5
NW	.1	.7	1.1	.5	.1							2.5	8.9
NNW	.7	1.7	.8	2.0	.5	.1						5.8	9.5
VARIABLE													
CALM	////////////////////											14.2	////
TOTALS	16.5	22.8	22.2	20.2	3.3	.6	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.6	2.2	4.1	6.6	2.2	.1						18.0	10.5
NNE	1.7	1.9	2.0	1.4	.1							7.1	7.0
NE	.7	1.1	1.4	.8								4.0	7.7
NNE	.5	.9	.7	.1								2.2	6.3
E	.8	1.2	.6	.2		.1						3.0	6.2
ESE	.9	.4	.7			.1						2.1	5.7
SE	1.2	1.7	1.5	.1								4.5	5.8
SSE	1.9	3.5	3.4	.6	.1							9.6	6.4
S	1.9	2.7	4.4	3.5	.4							12.9	8.6
SSW	1.2	.8	1.9	.7	.1							4.7	7.3
SW	.7	.4	.1		.1							1.3	4.5
WSW	1.1	.7	.4	.4								2.5	5.1
W	.2	.8	.2	.4								1.7	7.2
WNW	.1	.6	.4	.2								1.3	7.0
NW	.1	.7	1.8	1.1	.2							3.9	9.7
NNW	2.0	1.4	1.3	2.5	.6							7.8	6.5
VARIABLE													
CALM	////////////////////											13.5	////
TOTALS	17.6	21.0	24.9	18.7	3.9	.4						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.8	2.7	7.2	5.2	2.7	.8	.1					20.6	11.0
NNE	1.3	2.8	2.0	.9	.6							7.7	7.4
NE	.7	1.2	.9	.8								3.7	7.3
NNE	.5	.5	.6	.2								1.8	6.5
E	.7	1.7	1.2	.5								4.0	6.2
ESE	.9	.9	.2									2.1	4.0
SE	1.1	1.8	1.7	.7								5.2	6.4
SSE	1.5	2.5	2.2	1.8	.1							8.2	7.2
S	3.0	3.2	4.4	3.3	.8	.2						14.9	8.2
SSW	1.1	.7	.8	.4	.1							3.1	6.4
SW	1.3	.5	.6	.2								2.6	5.0
WSW	.1	.6	.4	.2								1.3	7.0
W	.7	.6	.2	.1	.1							1.8	5.7
WNW	.1	.6	.1									.8	5.6
NW	.4	.5	1.3	.9								3.1	8.8
NNW	.7	1.2	2.1	2.6	.2	.1						7.0	10.0
VARIABLE													
CALM	////////////////////											12.3	////
TOTALS	15.8	21.9	26.0	18.0	4.7	1.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	1.7	5.4	7.1	3.8	1.1	.4					20.1	13.1
NNE	.6	2.4	2.8	1.3	.4							7.4	6.4
NE	.9	2.1	1.5	.8								5.4	6.8
NNE	.4	1.1	1.3									2.7	6.3
E	.1	1.1	1.5	.6								3.3	7.9
ESE	.1	1.1	.4	.1								1.7	6.1
SE	.7	.7	1.1	.1								2.6	5.7
ESE	.2	1.7	2.8	3.8	.5	.2						9.2	10.5
S	1.2	2.6	3.9	5.9	1.8	.4						15.7	10.8
SSW	1.4	.9	2.1	2.0		.1						6.6	8.3
SW	.5	.6	.5	.8	.1	.1						2.6	8.5
WSW	.6	.7	.5	.1	.1							2.0	6.0
W	.1	1.4	.2	.6	.1							2.5	8.0
WNW	.1	.4	.9	.5								1.9	7.9
NW	.1	.7	.9	.1								1.9	7.0
NNW	.5	1.3	1.8	2.2	2.1	.4						8.3	12.1
VARIABLE													
CALM	////////////////////											6.0	////
TOTALS	8.3	20.3	27.8	26.1	8.9	2.2	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS (CEST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.5	1.8	4.3	5.9	2.5	1.3	.4					16.5	12.8
NNE	.6	.9	2.8	3.5	.2							6.2	10.1
NE	.4	.8	.9	.5	.1							2.7	7.9
NNE	.2	.7	1.4	.4								2.7	7.7
E	.4	.9	1.8	.7			.1					3.9	5.2
ESE	.2	.1	.7									1.1	6.9
SE	.2	.7	.7	.5								2.1	7.7
ESE	1.1	1.2	1.2	1.9	1.2							6.5	10.1
S	1.3	2.5	2.7	5.0	3.2	.8						15.5	11.8
SSW	.4	2.7	2.6	4.3	1.3							11.7	10.4
SW	.2	.8	2.1	1.4								4.6	9.3
WSW	.1	.6	1.3	.5								2.5	8.4
W	.6	1.4	1.4	.2	.2							3.9	8.7
WNW	.4	1.2	.4	1.1	.4	.1	.1					3.5	10.1
NW	.2	.9	1.3	.9	.5							3.4	9.6
NNW	.4	1.2	2.4	2.4	1.4	.4						8.2	11.7
VARIABLE													
CALM	////////////////////////////////////											3.1	////
TOTALS	7.1	16.6	28.0	29.1	11.0	2.7	.5					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: P46



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(UT): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND			
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			41-47	48-55	GE 56
N	.6	1.5	5.2	6.0	2.1	.7	.1					16.3	12.0
NNE	.6	1.1	1.9	3.1	.5							7.1	10.2
NE	.5	1.2	.9	.7	.1							3.4	7.5
NNE	.6	.9	1.1	.4								3.0	6.9
E	.2	.9	1.5	.6								3.3	7.4
ESE	.6	.5	.6	.2								1.9	6.1
SE	.7	1.2	1.1	.6	.2							3.8	7.4
SSE	.5	1.1	1.8	3.1	.9	.1						7.4	11.3
S	1.7	1.4	3.3	5.7	2.0	.5						14.5	11.4
SSW	.6	1.5	2.4	3.4	.6	.2						8.7	10.6
SW	.2	.8	1.5	.7	.1							3.4	8.7
WSW	.2	2.2	.8	.1								3.4	5.8
W	1.1	.9	1.4	.5	.1							4.0	6.9
WNW	.1	.9	1.1	.9	.4							3.4	9.7
W	.6	1.1	1.2	1.1	.8							4.7	9.8
WNW	.4	1.5	2.4	2.7	1.7	.6	.1					9.3	12.2
VARIABLE													
CALM	////////////////////											2.1	////
TOTALS	9.1	18.9	28.1	29.8	9.6	2.1	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 846

FEDERAL CLIMATOLOGY BRANCH  
 CGAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATION

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS: 01-2400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-40		
N	1.1	1.4	6.9	4.0	2.4	2.4		19.1	11.5
NNE	2.9	1.4	2.0	1.5	2.4			6.6	8.5
NE	2.6	1.2	2.9	2.4				5.1	6.9
NNE	2.5	1.5	2.6	2.4				5.0	6.3
E	2.9	1.9	1.4	2.4				4.6	5.9
ESE	1.1	1.1	2.9	2.7	2.1			7.7	6.0
SE	1.5	2.4	1.2	2.1				5.2	5.0
SSE	1.2	1.5	1.9	1.2	2.1	2.7		7.1	8.7
S	1.4	4.3	4.5	4.5	2.5			15.5	8.3
SSW	2.7	1.5	1.7	2.7				4.3	7.2
SW	2.7	2.7	2.4	2.4				12.7	6.9
WSW	2.7	2.7	2.7					12.9	7.1
W	2.7	2.4						12.7	3.2
WSW	2.7	2.4	2.7	2.7	2.1			12.2	6.9
W	2.4	1.1	1.3	1.1	2.7			4.5	8.7
WNW	2.7	2.7	1.7	1.4	2.4	2.1		4.2	5.1
VARIABLE									
TOTAL	17.7	22.7	25.4	17.3	4.6	2.7		107.4	7.1

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(EST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.3	2.0	5.9	5.1	2.1	.4						16.8	10.9
NNE	.8	2.4	2.8	1.4	.7	.1						8.3	8.8
NE	.8	1.1	.8	.2								3.0	5.9
NNE	.8	1.3	.8	.2								3.2	5.5
E	.9	1.8	.9	.4								4.0	5.6
ESE	.8	.9	1.5	.2								3.5	6.0
SE	.9	1.9	1.4	.4								4.6	6.1
SE	1.2	3.0	2.5	1.8								8.4	7.1
S	1.2	2.6	3.4	5.4	.5							13.1	5.6
SSW	1.1	1.3	1.8	.7	.1							5.0	6.9
SW	.2	.7	.5									1.4	5.4
WSW	.7	.1	.2	.2								1.3	5.5
W	.2	.5	.2	.2								1.2	6.3
WNW	.6	.6	.2	.2								1.7	5.9
NW	.4	1.2	.8	.4								2.7	6.9
NNW	.6	1.2	1.5	1.2	.6	.2						5.3	10.1
VARIABLE													
CALM	////////////////////											16.5	////
TOTALS	12.6	22.5	25.5	18.1	4.0	.7						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.2	5.3	5.8	2.4	.6	.1					17.8	11.4
NNE	1.0	1.9	2.3	1.9	.4	.0						7.5	8.6
NE	.7	1.3	1.1	.6	.0							3.7	7.0
NNE	.5	1.0	.8	.3								2.6	6.4
E	.6	1.3	1.2	.4	.0	.0						3.6	6.8
ESE	.7	.8	.7	.1	.0	.0						2.4	5.7
SE	.9	1.5	1.3	.3	.0							4.1	6.2
SSE	1.2	2.1	2.3	1.9	.4	.1						8.0	8.3
S	1.8	2.8	3.9	4.8	1.2	.3						14.9	9.7
SSW	.9	1.4	1.8	1.6	.3	.0						6.0	6.6
SW	.5	.7	.8	.5	.0	.0						2.5	7.2
WSW	.6	.8	.6	.2	.0							2.1	5.9
W	.5	.9	.5	.3	.1							2.3	6.6
WNW	.3	.6	.4	.4	.1	.0	.0					1.8	8.2
NW	.3	.9	1.2	.8	.2							3.4	8.8
NNW	.8	1.5	1.7	2.2	1.0	.2	.0					7.4	10.5
VARIABLE													
CALM	////////////////////											9.9	////
TOTALS	12.6	21.6	26.0	22.1	6.2	1.3	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS/DAY: 0000-0100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-40	41-50	51-60	61-80		
N	1.9	2.2	2.5	4.1	1.7	.2					12.6	10.4
NNE	1.0	2.4	1.9	.8	.4		.1				6.6	8.0
NE	.8	2.0	1.6	.5	.3						5.3	7.3
ENE	1.5	2.7	1.3	.3							5.8	5.3
E	1.7	2.0	2.2	.9							6.8	6.7
ESE	1.5	1.7	1.1	.3							4.6	5.4
SE	1.3	1.0	1.6	1.1							4.9	7.2
SSE	.6	1.9	3.0	4.2	.5						10.3	10.0
S	.9	2.7	2.2	4.1	1.9	1.0					12.7	11.5
SSW	.8	1.0	1.3	1.0	.5						4.5	8.9
SW	.3	.1	.2	.1							.8	6.3
WSW	.3	.5		.1							1.0	4.9
W	.8	1.2	.5	.1							2.6	5.0
WNW	.2	.4	.6	.1	.3						1.7	4.2
NW	.6	1.0	.9	1.8	.2						4.5	9.5
NNW	.4	.5	1.6	1.8	.5	.2					5.2	11.3
VARIABLE												
CALM	////////////////////										10.2	////
TOTALS	14.6	23.3	22.5	21.3	6.6	1.4	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.7	2.0	2.7	5.2	.9	.4		12.9	10.5
NNE	.9	1.9	2.2	1.1	.3	.2		6.6	8.2
NE	.6	1.5	1.8	.6	.2			4.8	7.7
ENE	1.6	1.7	1.9	.6				5.9	6.3
E	1.4	2.4	1.9	.9				6.6	6.1
ESE	.4	1.3	.6	.5				2.9	6.5
SE	.5	1.0	2.4	1.0				4.8	8.1
SSE	.9	1.7	2.3	2.9	.5			9.3	9.6
S	1.5	2.4	2.5	4.4	2.9	.2		13.9	11.2
SSW	.3	1.9	.4	.8	.1			3.5	7.5
SW	.5	.8	.4	.5	.1			2.4	7.2
WSW	.5	.2	.4					1.2	4.8
W	.3	.5	.4	.2				1.5	6.2
WNW	.1	.6	.5	.2	.1			1.6	7.8
NW	.3	1.5	.3	2.2	.3	.3		4.9	11.0
NNW	.2	1.5	1.1	2.5	1.0	.3		6.6	11.8
VARIABLE									
CALM	////////////////////							11.6	////
TOTALS	11.9	23.0	21.9	23.5	6.5	1.5		100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS (LST): 0700-0800

DIRECTION (DFGR FSI)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.1	2.5	2.4	6.0	1.1	.3		15.5	11.1
NNE	.4	.6	1.7	1.6	.3			4.7	9.7
NE	1.1	1.6	1.6	.8	.1			5.2	6.9
NNE	.6	2.5	1.5	1.1				5.7	7.2
E	1.4	2.6	2.5	1.0				7.4	6.6
ESE	.3	1.3	1.2	.1				2.9	6.4
SE	.5	1.3	1.8	1.0	.1			4.7	6.1
SSE	1.0	2.6	3.4	2.4	.8	.1		10.7	12.7
S	1.4	2.7	2.7	4.3	2.5	.2		15.8	11.1
SSW	.1	1.0	.6	1.7	.3			3.7	5.1
SW	.8	.4	.2	.3				1.7	1.7
WSW	.6	.3	.3	.1				1.4	4.8
W	.1	.5	.2	.7	.1			1.7	7.4
WNW	.6	.4	.8	.4				2.1	7.4
NW	.4	1.4	1.1	1.5	.1	.2		4.7	9.5
NNW	.5	1.4	1.6	2.3	1.2	.9		7.9	11.1
VARIABLE									
CALM	////////////////////							9.7	////
TOTALS	11.1	23.1	23.7	24.2	6.6	1.7		100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.5	1.3	4.1	6.0	2.8	.4						15.2	12.7
NNE	.6	1.1	1.7	1.3	.1							4.8	8.5
NE	.6	1.0	.9	1.5	.4							4.4	9.7
NNE	.4	1.6	2.2	1.0	.2							5.4	8.2
E	.5	1.9	2.5	.5	.1							5.6	7.2
ESE	.3	1.1	1.5	.5								3.4	7.5
SE	.2	.5	1.9	1.5								4.2	9.5
ESE	.3	1.4	2.7	4.4	1.7	.3						10.9	11.9
S	.5	.9	3.4	5.2	2.9	1.6	.1					14.6	13.8
SSW	.2	1.2	2.0	2.0	1.0	.5						7.0	11.9
SW	.4	.5	1.0	.2	.3	.1						2.6	8.9
WSW	.5	.5	.3	.9	.3							2.6	10.0
W	.9	1.0	.6	.2	.2							2.9	6.4
WW	.3	.6	.4	1.0	.4	.1						2.9	10.7
NW	.1	.3	1.2	1.4	.4	.2						3.7	12.4
NNW	.3	1.7	1.6	2.5	1.0	.6	.2					8.0	12.2
VARIABLE													
CALM	////////////////////											1.9	////
TOTAL	7.0	16.7	28.1	30.1	11.9	4.0	.3					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS (LST): 1700-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.5	1.7	3.8	5.7	2.6	.4						14.7	17.3
NNE	.2	.8	1.6	1.5	.1							4.2	9.8
NE	.2	.8	1.3	1.5								3.8	9.3
ENE	.5	.5	.8	.9	.1							2.4	8.1
E	.6	1.4	1.7	.4	.1							4.3	7.1
ESE		.9	1.6	.4								2.9	8.5
SE	.5	1.4	1.2	.9								4.0	7.6
SSE	.5	1.2	2.2	3.8	1.8	.6						10.1	12.6
S	.3	1.1	2.7	5.5	4.0	2.8	.4					16.8	15.4
SSW	.4	.8	1.9	2.2	1.3	1.3	.1					8.0	13.5
SW	.1	1.2	1.0	1.4	.2							3.9	9.8
WSW	.9	1.0	.9	.6	.1							3.4	7.0
W	.3	.5	.8	.5	.6							2.8	10.9
WNW	.1	.4	.9	.4	.3	.2						2.4	11.9
NW	.3	.9	1.1	1.4	.8	.1						4.5	11.4
NNW	.4	1.2	1.9	4.1	1.5	.5	.3					10.0	13.0
VARIABLE													
CALM	////////////////////											1.5	////
TOTALS	6.1	15.6	25.2	31.2	13.5	6.0	.9					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.5	2.5	3.1	6.5	1.8	.3		14.7	11.5
NNE	.4	1.1	1.6	1.6	.1			4.8	9.2
NE	.1	.9	1.1	1.1				3.1	8.5
NNE	.2	.4	1.0	.9	.2			2.7	9.6
E	.9	1.2	1.7	.1				3.9	6.6
ESE	.5	1.0	1.6	.9	.1			4.1	8.0
SE	.3	.4	1.0	1.3				3.0	9.3
ESE	.3	1.1	2.7	3.9	1.4	1.0		10.3	12.6
S	.4	1.3	3.3	4.7	6.5	1.5	.3	18.1	14.9
SSW	.1	.4	1.3	2.8	1.3	1.0		6.9	14.4
SW	.2	.9	1.6	.6	.1			3.4	8.3
WSW	.3	.2	1.3	.8	.3	.1		3.0	10.4
W		.9	1.4	.6	.1	.3		3.3	10.8
WNW	.2	.2	.8	1.0	.4	.2		2.8	12.0
NW	.3	.6	1.0	.8	.6			3.3	10.4
WNW	.3	1.2	2.5	5.7	1.0	.4	.1	11.2	12.4
VARIABLE	////////////////////////////////////							1.4	////
CALM	////////////////////////////////////							1.4	////
TOTALS	5.2	14.2	26.9	33.1	14.0	4.8	.4	100.0	11.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.7	3.5	4.2	5.2	1.0	.4						16.0	9.7
NNE	1.0	2.3	1.5	2.3	.3							7.3	8.5
NE	.8	1.2	.8	.4	.1							3.2	6.8
NNE	1.1	.5	1.2	.5	.2							3.5	7.5
E	1.7	1.1	1.5	.9								5.2	6.5
ESE	.2	.9	1.8	.3	.1							3.3	8.1
SE	.3	1.5	1.6	.3	.3							4.1	8.1
SSE	.9	2.3	4.5	2.7	.9	.1						11.3	9.3
S	1.3	3.7	4.9	6.2	1.7	.6						18.5	10.7
SSW	.5	1.1	.9	.4	.4							3.3	8.5
SW	.1	1.0	.2	.2								1.5	5.6
WSW	.3	.4	.3	.1								1.2	5.7
W	.6	1.1	.4	.1	.1							2.4	5.5
WNW	.2	.3	1.1	.6	.3							2.6	10.3
NW	.2	.9	1.3	1.0	.1	.2						3.7	9.8
NNW	.4	1.1	1.7	2.2	.6	.1						6.1	10.5
VARIABLE													
CALM	////////////////////											6.8	////
TOTALS	11.4	22.7	28.0	23.4	6.2	1.5						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND				
	1-3	4-6	7-10	11-16	17-21	22-27	28-33			34-40	41-47	48-55	GE 56
N	1.6	2.4	3.0	3.3	.5	.4						11.3	9.5
NNE	1.1	2.3	2.2	1.8	.6	.7						8.2	9.2
NE	1.8	1.2	1.5	1.0								5.5	6.1
NNE	1.0	1.2	1.1	.5								3.8	6.3
E	1.7	1.5	2.8	.9	.3							7.2	7.2
ESE	.6	1.4	1.3	.5								3.9	6.8
SE	.8	1.4	2.6	1.8								6.6	8.3
SSE	1.0	2.7	4.7	2.9	.4	.3						12.0	9.1
S	2.3	2.4	1.7	5.4	2.0	.5						14.3	10.8
SSW	.4	.6	.8									1.8	6.0
SW	.4	.2	.1	.1								.9	5.0
WSW	.3	.5	.2									1.1	4.6
W	.8	.5	.8	.1								2.2	6.2
WNW		.5	.3	.1	.4							1.4	10.7
NW	.1	.8	.6	.4	.5							2.5	9.7
NNW	.4	1.0	1.7	2.0	.6	.4						6.2	11.1
VARIABLE													
CALM	////////////////////											11.3	////
TOTALS	14.3	20.5	25.4	21.0	5.6	1.9						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS/1511: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.2	2.3	3.2	5.2	1.5	.4						13.4	11.0
NNE	.7	1.5	1.8	1.5	.3	.1	.0					5.9	8.8
NE	.8	1.3	1.3	.9	.1							4.4	7.7
NNE	.9	1.4	1.4	.7	.1							4.4	7.1
E	1.2	1.8	2.1	.7	.1							5.8	6.7
ESE	.5	1.2	1.3	.5	.0							3.5	7.1
SE	.6	1.1	1.8	1.1	.1							4.5	8.2
SSE	.7	1.9	3.2	3.4	1.0	.3						10.4	10.5
S	1.1	2.1	2.9	5.0	3.1	1.1	.1					15.3	12.5
SSW	.4	1.0	1.2	1.3	.6	.3	.0					4.8	11.2
SW	.4	.6	.6	.4	.1	.0						2.1	7.8
WSW	.5	.5	.5	.3	.1	.0						1.9	7.4
W	.5	.8	.6	.3	.1	.0						2.4	7.6
WNW	.2	.5	.7	.5	.3	.1						2.2	10.2
NW	.3	.9	.9	1.3	.4	.1						4.0	11.5
NNW	.4	1.2	1.7	2.9	.9	.4	.1					7.6	11.9
VARIABLE													
CALM	////////////////////											6.8	////
TOTALS	10.2	19.9	25.2	26.0	8.9	2.9	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GF 56
N	.9	2.3	3.0	1.3	.1							7.7	7.9
NNE	.9	1.7	1.2	.6	.3							4.7	7.4
NE	1.1	2.2	.9	.8	.3							5.3	6.8
NNE	1.6	2.1	1.4	.7	.1							5.9	6.4
E	1.4	2.4	2.6	1.6	.1	.1						8.2	7.5
ESE	.7	1.9	1.3	.9	.1	.1						4.9	7.5
SE	.8	1.6	.8	.9	.3	.1						4.4	7.7
SSE	1.4	3.2	2.3	3.3	.3	.1	.7					11.0	9.0
S	.9	2.6	3.4	5.8	1.9	.4						15.0	11.0
SSW	.7	.4	1.2	1.1	.1							3.6	8.8
SW	.2	.1	.3	.9								1.6	9.7
WSW	.4	.9	.4	.1								1.9	5.4
W	.3	1.0	.6	.7								2.1	5.8
WNW	.4	.7	.7	.6	.1	.7						2.2	9.6
NW	.3	.9	1.0	1.1	1.2	.8						5.3	12.8
NNW	.3	1.6	1.7	1.7	.8	.1						6.1	10.1
VARIABLE													
CALM	////////////////////											10.1	////
TOTAL	12.4	25.6	22.4	21.3	5.9	2.0	.7					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(EST): 0100-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.6	3.2	3.1	2.6	.3	.1			9.9	2.7
NNE	.6	2.1	1.3	.9	.2	.1			5.2	2.4
NE	1.0	2.1	1.1	.7					4.9	2.1
NNE	1.1	1.0	1.9	1.2					5.2	2.0
E	1.7	3.2	2.0	.3					7.2	2.4
ESE	.9	1.0	1.8	.7	.2				4.6	2.0
SE	.6	1.3	1.3	1.8	.2	.1			5.3	2.1
SSE	.9	2.2	2.2	2.9	.4	.2	.1		9.1	2.8
S	1.3	2.4	3.0	6.1	2.0	.1			15.0	3.8
SSW	.4	.8	1.7	.3	.1				3.3	2.1
SW	.6	.6	.6						1.8	2.1
WSW	.4	.4	.9	.3	.1				2.1	2.1
W	.9	1.2	.7	.3					3.1	2.1
WNW	.8	.7	.8	.2	.1				3.6	2.1
NW	.3	1.0	1.1	1.0	.9				4.3	2.1
NNW	.3	1.8	2.3	1.1	1.1	.6			7.2	2.4
VARIABLE										
CALM	////////////////////								5.1	////
TOTALS	12.3	25.1	25.8	20.4	5.8	1.2	.1		100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 900

U.S. WEATHER BUREAU WASHINGTON, D.C. PERCENTAGE FREQUENCY OF OCCURRENCE OF WINDS BLOWING FROM THE SEVERAL WINDS FROM ALL STATIONS IN THE AREA DURING THE MONTH OF NOVEMBER 1954

STATION NUMBER: 10000 STATION NAME: NEW CANEEL AIRFB

PERIOD OF RECORD: 1949-54  
MONTH: NOVEMBER 1954

DIRECTION OF WINDS	WIND SPEEDS IN MPH							TOTAL	PERCENTAGE
	0-5	6-10	11-15	16-20	21-25	26-30	31-35		
0	12	10	10	10	10	10	10	10	10
050	10	10	10	10	10	10	10	10	10
060	10	10	10	10	10	10	10	10	10
070	10	10	10	10	10	10	10	10	10
080	10	10	10	10	10	10	10	10	10
090	10	10	10	10	10	10	10	10	10
100	10	10	10	10	10	10	10	10	10
110	10	10	10	10	10	10	10	10	10
120	10	10	10	10	10	10	10	10	10
130	10	10	10	10	10	10	10	10	10
140	10	10	10	10	10	10	10	10	10
150	10	10	10	10	10	10	10	10	10
160	10	10	10	10	10	10	10	10	10
170	10	10	10	10	10	10	10	10	10
180	10	10	10	10	10	10	10	10	10
190	10	10	10	10	10	10	10	10	10
200	10	10	10	10	10	10	10	10	10
210	10	10	10	10	10	10	10	10	10
220	10	10	10	10	10	10	10	10	10
230	10	10	10	10	10	10	10	10	10
240	10	10	10	10	10	10	10	10	10
250	10	10	10	10	10	10	10	10	10
260	10	10	10	10	10	10	10	10	10
270	10	10	10	10	10	10	10	10	10
280	10	10	10	10	10	10	10	10	10
290	10	10	10	10	10	10	10	10	10
300	10	10	10	10	10	10	10	10	10
310	10	10	10	10	10	10	10	10	10
320	10	10	10	10	10	10	10	10	10
330	10	10	10	10	10	10	10	10	10
340	10	10	10	10	10	10	10	10	10
350	10	10	10	10	10	10	10	10	10
360	10	10	10	10	10	10	10	10	10
TOTAL	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS: 100



JOINT METEOROLOGY BRANCH  
 STAFFELC  
 AIR WEATHER SERVICE/ZMC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 72NS05 STATION NAME: MCCONNELL AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(EST): 0900-1100

DIRECTION (0-90-180)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	28	140	248	648	141	42	41		1347	1147
NNE	26	140	147	240	41	41			548	548
NE	26	141	247	47					447	748
ENE	26	143	247	46		41			547	749
E	142	47	248	48	41				543	743
ESE	41	47	148	142	42				348	1040
SE	47	140	147	243	41				547	1040
SSE	28	143	149	149	148	47			643	1148
S	28	49	148	748	841	148			1947	1548
SSE	28	46	148	146	140	49			548	1348
SSE	41	140	47	146	47	47			748	1049
SSW	41	48	147	48					748	848
SW		47	48	47	47	41			243	1143
WSW	28	141	48	141	47	41			548	547
SW	47	47	48	148	43	43			643	1147
WSW	47	48	149	147	148	47			748	1048
VARIANCE										
ALL	////////////////////////////////////								240	////
TOTAL	647	1148	2841	3648	1049	647	41		10840	1141

TOTAL NUMBER OF OBSERVATIONS: 90

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724565 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	.7	3.8	4.4	1.9	.4						11.7	12.7
NNE	.4	.7	1.0	1.2	.3							3.7	10.1
NE	.3	2.2	1.7	1.0								5.2	7.6
NENE	.6	1.0	1.2	1.3	.1							4.2	4.3
E	.7	1.3	2.3	1.0	.1							5.4	4.1
ESE	.4	.8	1.3	.7								3.2	7.9
SE	.3	1.4	2.1	2.2	.1							6.2	9.4
SSE	.8	.9	1.6	2.7	1.8	.6						8.2	17.8
S	.2	.7	1.8	4.6	6.0	2.6						15.4	16.4
SSW	.1	.3	1.3	4.0	1.4	1.7	.3					8.6	14.8
SW	.3	.2	.7	1.8	.2	.3						3.3	12.0
WSW	.3	.9	.7	.6	.1	.1	.1					2.8	9.0
W	.2	.9	1.1	1.2	.3	.4						4.0	10.8
WNW	.1	.4	1.1	.7	.9	.1						3.3	12.3
W		.1	.9	1.9	.6	.2						3.7	13.6
WNW	.1	.9	2.8	3.3	1.7	.6						9.3	12.7
VARIABLE													
CALM	////////////////////											3.3	////
TOTALS	5.4	13.4	25.3	32.6	15.3	6.3	.7					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL	MEAN WIND			
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			41-47	48-55	GE 56
N	.4	1.7	2.7	5.8	1.4	.7	.2					12.9	12.5
NNE	.2	.3	1.3	1.4		.1						3.4	10.4
NE	.2	1.0	1.1	1.1	.3							3.8	9.4
NNE	.3	.6	1.3	.3								2.6	7.4
E	.8	1.7	3.4	1.2	.2							7.3	8.2
ESE	.7	1.6	1.7	1.2								4.7	8.3
SE	.1	.9	1.2	1.7	.3							4.2	10.4
SSE	.9	.8	1.3	3.4	1.4	.7						8.6	12.7
S	.3	.8	2.1	6.7	4.6	2.6	.3					17.3	15.7
SSW		.8	1.0	2.9	1.7	.8						7.1	14.5
SW	.1	.7	1.1	.9	.1	.1						3.0	9.9
WSW	.1	.3	.6	.3	.2		.1					1.7	11.3
W	.3	1.2	.7	1.2	.3	.4	.2					4.4	11.6
WNW	.1	.6	.9	.8	.6	.7	.1					3.7	14.0
NW	.1	.6	1.0	2.9	.4	.2						5.2	12.6
NNW	.3	1.4	1.9	3.3	1.4	.3						8.8	11.8
VARIABLE													
CALM	////////////////////											1.3	////
TOTALS	4.7	14.8	23.3	35.2	13.1	6.6	1.0					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(EST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND		
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47			48-55	GE 56
N	1.0	2.1	4.7	3.7	1.1	.2					12.8	10.0
NNE	.8	1.4	2.4	1.2							5.8	7.4
NE	1.1	2.0	.9	.7	.1						4.8	6.4
NNE	1.1	1.6	1.6	.8	.2						5.3	7.1
E	1.0	2.1	2.0	.9	.1	.2					6.4	7.6
ESE	.9	1.4	1.9	1.0	.1						5.3	7.5
SE	.2	2.0	1.3	1.1	.1						4.7	7.4
ESE	1.1	2.0	2.9	3.2	1.2	.1					10.8	11.7
S	1.1	2.0	2.3	6.3	2.3	.4					14.9	11.1
SSW	.6	1.2	1.3	1.6	.2						4.9	6.5
SW	.2	.2	.8	.1	.2						1.5	3.8
WSW	.4	.4	.2								1.1	4.6
W	.6	.8	.7	.2	.2	.1					2.6	5.2
WNW	.2	1.0	.4	.6	.2	.2	.1				2.7	11.1
NW	.2	.7	.9	1.4	.3	.2	.3				4.4	11.1
NNW	.3	1.6	1.9	1.7	.2	.3					6.1	8.4
VARIABLE												
CALM	////////////////////										5.9	////
TOTALS	10.9	22.6	26.2	24.4	6.8	2.4	.4				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 900

GENERAL CLIMATOLOGY BRANCH  
 HEADQUARTERS  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(UTC): 2100-2300

DIRECTION (00-090)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-5	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	2.9	3.0	1.8	.7							9.6	6.2
NNE	1.1	2.2	1.3	1.3	.1							6.0	7.0
NE	1.1	1.8	.6	.7	.2							4.6	6.0
NNE	1.1	1.8	2.2	.4								5.4	6.2
E	1.8	8.7	2.9	1.1		.4						13.4	6.9
ESE	1.1	1.8	1.1	.3	.1							4.8	6.1
SE	1.0	2.2	1.9	.9	.1							6.1	6.9
SSE	1.1	1.6	2.9	3.4	1.0	.2	.1					10.3	10.4
S	.9	1.3	3.4	8.7	1.8	.4						12.6	11.7
SSW		.7	1.9	.6								2.7	6.5
SW	.2	.1	.1	.1		.1						.9	7.9
WSW	.3	.6	.2		.1							1.2	6.2
W	1.0	.9		.2	.1							2.2	5.2
WNW	.2	.4	.2	.3	.6	.1	.1					2.0	12.4
W	.2	.6	.1	1.4	.2	.2	.1	.1				3.7	13.4
WNW	.9	1.8	.8	1.4	.2	.2						5.7	9.2
VARIABLE													
CALM	////////////////////											11.6	////
TOTALS	14.5	24.4	23.1	18.8	5.7	1.4	.3	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(UT): ALL

DIRECTION (DFORECAST)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	2.1	3.3	3.7	.9	.2	.0					11.7	10.5
NNE	.9	1.4	1.5	1.2	.2	.0						5.0	8.2
NE	.8	1.7	1.2	.9	.1							4.7	7.1
NNE	.9	1.3	1.9	.8	.1	.0						5.0	7.3
E	1.2	2.3	2.4	1.0	.1	.1						7.1	7.2
ESE	.7	1.2	1.6	.9	.1	.0						4.5	7.7
SE	.5	1.4	1.4	1.6	.2	.0						5.2	6.7
SSE	.9	1.8	2.1	3.1	1.1	.3	.1					9.4	10.8
S	.7	1.6	2.7	5.9	3.2	1.1	.0					15.3	17.3
SSW	.3	.8	1.4	1.7	.6	.4	.0					5.2	11.6
SW	.3	.4	.6	.7	.1	.1						2.1	4.5
WSW	.3	.6	.6	.3	.1	.0	.0					2.0	7.7
W	.4	.9	.6	.6	.1	.1	.0					2.9	6.8
WNW	.3	.7	.6	.7	.3	.2	.0					2.9	10.8
NW	.2	.7	.9	1.6	.6	.3	.1	.0				4.4	12.3
NNW	.4	1.5	1.9	2.3	1.0	.3						7.3	11.1
VARIABLE													
CALM	////////////////////											6.2	////
TOTALS	9.5	20.4	24.7	26.9	8.7	3.3	.3	.0				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 7200

NOAA CLIMATOLOGY BRANCH  
 WSAFETAC  
 AIR WEATHER SERVICE/MAZ

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS OF RECORD: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.1	1.6	1.5	.3	.1						8.5	7.7
NNE	1.3	1.3	1.1	.6	.1							5.4	6.1
NE	1.8	2.0	.6									4.5	6.1
NENE	1.9	2.3	.9	.6								5.7	5.9
E	2.8	4.6	2.4	.9								17.6	12.7
ESE	1.7	2.4	1.9	.3								6.3	7.2
SE	1.8	3.2	2.5	1.3								8.8	8.5
SSE	.8	3.4	3.5	2.9	.8							11.9	8.9
S	1.8	3.0	2.5	4.2	1.4	.1						13.2	8.7
SSW	1.2	1.2	.8	.4								3.5	5.8
SW	.2	.6	.4	.1	.1							1.3	2.8
WSW	.3	.3	.8									1.4	2.1
W	.6	.6	.3									1.5	4.8
WNW	.4	.2	.1	.3								1.1	2.3
NW	.3	.5	.4	.2								1.5	3.4
NNW	.8	.4	.8	.8								2.7	3.2
VARIABLE													
CALM	////////////////////											17.4	////
TOTALS	19.7	30.3	20.6	14.2	2.7	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 930

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB TX

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(LOCAL): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	0-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55		
N	2.8	1.8	1.6	1.8	.1							8.2	6.9
NNE	2.2	2.3	.9	.5			.1					5.9	5.8
NE	.5	2.2	.8	.2								3.3	5.8
NNE	1.2	1.8	1.8	.5								4.5	6.2
E	2.2	3.3	2.2	.5								8.7	5.2
ESE	1.2	1.6	1.6	.6								6.0	6.1
SE	1.0	2.2	2.8	1.0								7.4	6.7
SSE	1.2	8.1	3.5	2.9	.8							12.4	6.8
S	2.5	2.5	3.9	8.7	.8	.2						14.5	5.3
SSW	.9	1.0	.8	.1								2.7	5.5
SW	.2	.9	.2									1.6	6.1
WSW	.5	.8	.2									1.2	8.2
W	.2	1.8	.6	.1								2.4	5.8
WNW	.6	.5	.8									1.8	5.5
SW	.1	.8	.2	.2		.1						1.7	8.9
NNW	.8	1.3	.9	1.1								4.0	7.7
VARIABLE	////////////////////////////////////											13.7	////
TOTAL	14.5	29.0	22.7	18.8	1.5	.2	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 950



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(EST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			56-56
N	1.1	1.9	2.6	3.1	.9							9.6	9.5
NNE	1.3	1.6	1.8	.8								5.5	6.3
NE	1.3	1.6	1.0	.3								4.2	5.8
ENE	.5	1.7	1.1	.8								4.1	7.1
E	1.8	2.8	2.8	.5								8.9	8.0
ESE	1.0	1.8	1.3	.1	.1							4.3	6.7
SE	1.2	1.0	3.9	.3								7.4	6.6
SSE	1.2	4.6	3.9	1.7	.9							11.9	7.6
S	.9	2.5	5.7	5.7	2.2	.4						17.3	11.3
SSW	.5	1.0	1.7	.2	.5							4.9	6.0
SW	.4	.5	.2	.4								1.6	2.1
WSW	.5	.4	.3	.1								1.4	2.3
W	1.1	1.2	.5									2.8	4.1
WNW	.4	.8	.4									1.6	5.1
NW	.2	.9	1.2	.4								2.7	2.4
NNW	.9	1.3	1.7	.5								4.4	6.8
VARIABLE													
CALM	////////////////////											9.4	////
TOTALS	14.3	26.7	29.7	15.1	4.5	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS/LSIT: 0600-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.8	1.9	2.0	8.1	2.5	2.1						17.5	4.0
NNE	2.8	1.5	1.8	1.0	2.1							9.3	6.1
NE	2.8	1.6	1.6	2.5								9.0	7.1
ENE	2.6	1.3	2.4									6.7	6.2
E	2.6	2.9	1.9	1.3								8.7	7.0
ESE	2.8	1.5	2.7	1.8								9.8	6.0
SE	2.5	1.3	1.6	2.4								7.8	6.7
SSE	2.2	1.7	4.7	2.5	2.6							14.8	6.7
S	1.2	3.1	6.2	7.6	2.8	1.3						23.2	7.1
SSW	2.8	1.8	2.6	1.6	1.6	2.1						16.6	7.2
SW	2.8	2.8	2.9	1.0	2.4							14.0	7.0
WSW	2.8	2.8	2.8	2.6								14.6	7.0
W	2.9	1.7	2.4	2.4								11.4	6.8
WNW		2.7	2.4	2.7								11.0	6.0
W	2.5	2.8	2.5	2.4								12.2	6.1
WSW	2.5	1.8	1.7	1.7	2.4							11.0	6.2
VARIABLES													
CALC	////////////////////											100	
TOTAL	8.2	21.5	31.9	28.6	8.6	10.1						100	6.8

TOTAL NUMBER OF OBSERVATIONS: 73





WIND BRANCH  
 WIND SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(LST): 1800-2000

WIND DIRECTION	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	N E	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	2.6	3.5	2.6	.2						10.4	7.9
NNE	.9	1.8	1.5	.9	.1						5.9	6.9
NNE	1.4	1.7	1.1	.3							5.3	5.2
NNE	.7	1.0	.8	.1							5.2	4.2
NNE	.7	1.4	2.3	.5	.1						8.8	5.8
NNE	.7	1.8	1.5	.9							6.7	6.0
NNE	.7	1.1	2.9	1.4	.4						9.5	7.3
NNE	.7	4.0	5.1	4.3	.8	.1					15.3	9.3
NNE	.7	.8	3.4	4.8	1.3	.2					13.4	10.4
NNE	.7	.8	1.7	.7							2.2	7.1
NNE	.7	.7	.4								1.7	7.2
NNE	.7		.1		.1						1.0	7.9
NNE	.7	.7	.1	.1	.1						1.7	5.8
NNE	.7	.4	.7	.1							1.3	8.3
NNE	.7	.7	.7	.1							1.5	8.7
NNE	.7	.7	.7								3.4	7.6
//////////////////////////////////////											6.8	////
100.0											100.0	7.1

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.0	3.7	2.5	1.4	.5	.1						10.2	7.2
NNE	1.2	2.4	1.7	.6								5.9	6.2
NE	1.9	2.0	.2	.1								4.3	4.2
NNE	2.3	2.6	.6	.1								5.6	4.1
E	3.2	3.8	2.3	.6	.1							10.0	5.5
ESE	2.5	1.8	1.4	.5								6.2	5.2
SE	2.2	3.9	3.1	1.2	.1							10.4	6.6
SSE	.9	3.9	4.5	3.0	.9	.4						13.5	9.5
S	.9	2.4	2.3	4.5	.8	.1						10.9	10.1
SSW	.9	1.6	.6									2.7	5.0
SW	.3	.4	.2	.2								1.2	6.0
WSW	.4	.2	.1									.8	3.7
W	.4	.4	.8									1.6	5.5
WNW	.2	.1										.3	2.7
NW	.4	.4	.4		.2							1.5	6.9
NNW	.5	.1	.2	.8								1.6	6.1
VARIABLE													
CALM	////////////////////											13.2	////
TOTAL	19.8	29.7	21.0	13.1	2.6	.6						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.4	2.5	2.6	2.6	.5	.1						9.6	8.6
NNE	1.0	1.9	1.7	.8	.1	.0	.0					5.5	7.0
NE	1.2	1.9	1.1	.3	.1							4.5	5.7
ENE	1.3	1.8	1.3	.4								4.8	5.7
E	1.9	3.1	2.2	.8	.0							7.9	6.1
ESE	1.2	1.8	1.8	.7	.0							5.5	6.5
SE	1.2	2.4	2.6	1.1	.1	.0						7.5	7.2
SSE	.8	3.1	4.3	3.1	.7	.2	.0					12.2	9.3
S	1.2	2.6	4.5	6.0	2.0	.7	.0					17.1	11.2
SSW	.5	1.2	1.3	.9	.5	.1						4.5	9.3
SW	.3	.6	.5	.5	.1							2.0	7.9
WSW	.4	.4	.4	.3	.0	.0						1.5	7.1
W	.6	.8	.5	.2	.0	.0						2.2	6.0
WNW	.4	.4	.5	.3	.0							1.5	7.1
NW	.3	.5	.8	.4	.0	.0						2.1	7.9
NNW	.6	.9	1.1	1.0	.1	.0						3.6	8.3
VARIABLE													
CALM	////////////////////											8.1	////
TOTALS	14.2	25.8	27.3	19.1	4.3	1.1	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.0	1.6	1.3	.1		.1		4.1	6.1
NNE	1.3	1.0	.7	1.0	.1			4.1	7.3
NE	.8	2.1	.7	.1	.1	.1		3.9	5.7
ENE	1.8	1.7	.7	.3				4.4	5.0
E	3.7	2.7	.6					6.9	3.9
ESE	1.9	2.4	.7					5.0	4.3
SE	3.2	3.9	2.0	.2				9.3	4.8
SSE	2.4	4.0	5.7	3.3	.2			15.7	7.7
S	2.6	5.2	6.6	9.1	1.8	.2		25.4	9.8
SSW	.3	1.1	.4	.3				2.2	6.4
SW	.8	.3	.4	.1				1.7	4.9
WSW	.4	.6						1.0	3.2
W	.1			.3				.4	10.0
WNW	.3	.3	.2	.1				1.0	6.4
NW	.1	.3						.4	4.5
NNW	.3	.6	.3	.1				1.3	6.2
VARIABLE									
CALM	////////////////////							13.0	////
TOTALS	21.1	27.8	20.2	15.2	2.2	.4		100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.1	1.6	.8	.1								4.6	4.7
NNE	1.0	.9	1.9	.4								4.2	6.9
NE	.8	2.3	.8	.2								4.1	5.2
ENE	1.7	2.4	.4	.1								4.7	4.4
E	3.8	2.6	1.2	.1								7.7	4.1
ESE	2.3	2.0	.9	.1								5.3	4.4
SE	1.4	2.9	1.4									5.8	5.0
SSE	2.0	6.2	2.7	2.1	.2							13.2	6.8
S	2.9	4.0	6.9	9.9	1.2	.1						25.0	9.7
SSW	1.0	.3	.3	.7	.2							2.6	7.6
SW	.4	.3	.3	.1								1.2	5.7
WSW	.2	.1		.1								.4	5.3
W	.9	.6	.2									1.7	3.7
WNW	.1	.3	.1	.1			.1					.8	10.1
NW	.2	.2										.4	2.8
NNW	.4	.6	1.0	.3								2.3	7.1
VARIABLE													
CALM	////////////////////											16.0	////
TOTALS	21.3	27.3	19.0	14.4	1.7	.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(DST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.1	2.6	2.0	.9	.1							6.7	6.8
NNE	.9	1.3	.9	.6								3.7	6.5
NE	.8	2.1	1.1	.9								4.9	6.7
ENE	1.6	1.7	1.6	.2								5.0	5.6
E	3.3	2.8	1.0	.1								7.2	4.2
ESE	.9	2.1	.4									3.4	4.7
SE	1.6	1.8	2.1	.4								5.9	6.1
SSE	1.7	3.1	4.3	2.2								11.3	7.5
S	2.1	4.1	8.2	10.8	2.0	.3						27.6	10.4
SSW	1.2	1.2	1.1	2.4								6.0	8.2
SW	.6	1.0	.1	.1								1.8	4.9
WSW	.7	.1	.1									.9	3.6
W	.6	.3	.1									1.0	4.0
WNW	.3	.1		.1								.6	4.6
NW	.2	.3	.3									.9	5.8
NNW	.3	1.1	.6	.4	.1	.1						2.7	8.3
VARIABLE													
CALM	////////////////////											10.6	////
TOTALS	17.8	25.8	24.0	19.2	2.2	.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	1.7	1.6	1.8								5.8	7.9
NNE	1.1	1.0	1.4	.7								4.2	6.5
NE	.6	1.8	.8	.7								3.8	6.8
ENE	1.2	2.2	1.2	.8								5.4	5.9
E	1.7	2.3	1.6	.4								6.0	5.5
ESE	.8	1.8	1.7									4.2	5.7
SE	.6	1.3	1.1	.4	.1							3.6	7.2
SSE	1.0	1.9	2.6	2.7	.6							8.7	8.9
S	1.1	3.2	7.7	9.4	4.2	.8	.1					26.6	11.8
SSW	.6	1.4	5.1	4.0	1.6	.3						13.0	11.0
SW	.1	1.3	2.1	1.1	.2	.1						5.0	9.3
WSW	.3	.9	.1									1.3	4.4
W	.8	1.0	.1	.1								2.0	4.3
WNW	.2	.1	.1									.4	4.0
NW	.4	.8	.1	.1								1.4	4.7
NNW	.4	.8	.6	1.0								2.8	8.1
VARIABLE													
CALM	////////////////////											5.8	////
TOTALS	11.7	23.6	27.8	23.2	6.7	1.2	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.6	1.8	1.7	1.7								6.7	7.7
NNE	1.0	1.4	.9	.2	.1							3.7	5.9
NE	.8	1.6	.6	.4								3.3	5.9
FNE	1.3	1.8	1.1	.4								4.7	5.6
E	1.1	3.3	1.6	.3								6.3	5.8
ESE	.8	1.0	1.6	.8								4.1	7.1
SE	.9	2.0	2.3	1.6								6.8	7.7
SSE	1.3	1.7	2.8	2.2	.7							8.7	8.7
S	1.3	2.6	5.2	10.3	5.1	2.0						26.6	13.2
SSW	.2	1.8	3.3	4.4	.8	.4						11.0	11.0
SW	.7	.7	1.6	1.1	.4							4.4	9.2
WSW	.3	.6	.6	.7	.1							2.2	9.0
W	.4	.8										1.2	4.0
WNW	.3	.6	.1									1.0	4.4
NW	.2	.2	.1	.1	.1							.8	7.4
NNW	.8	1.0	1.0	.3	.1							3.2	6.4
VARIABLE													
CALM	////////////////////											5.3	////
TOTALS	13.1	22.7	24.3	24.7	7.4	2.4						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND			
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			41-47	48-55	GE 56
N	.9	1.3	1.4	1.7								5.3	7.9
NNE	.4	1.2	2.7	.6								4.9	7.5
NE	.9	1.3	1.4									3.7	5.4
ENE	1.0	3.0	1.1	.2	.1							5.4	5.4
E	1.3	3.0	2.4	.2								7.0	5.7
ESE	.6	2.4	2.0	.4								5.4	6.6
SE	.3	2.0	2.8	1.6								6.7	8.3
SSE	.8	2.1	4.8	4.7	.7	.1						13.1	10.0
S	1.2	2.6	4.7	10.7	6.2	1.3	.1					26.8	13.4
SSW	.6	1.4	2.2	1.7	1.0	.1						7.0	10.1
SW	.2	1.0	1.0	.6	.1							2.9	7.8
WSW	.4	.4	.6	.1	.1							1.7	6.6
W	.3	.6	.3									1.2	5.2
WNW	.2	.1	.1	.1								.6	6.2
NW	.6	.7	.3	.2								1.8	6.4
NNW	.4	.6	1.1	.2								2.3	6.8
VARIABLE													
CALM	////////////////////										4.2	////	
TOTALS	10.2	23.8	29.0	22.9	8.2	1.6	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	.8	1.7	.4								3.7	7.1
NNE	.7	1.9	1.8	.7	.2							5.2	7.3
NE	1.7	1.2	1.6									4.4	5.2
NNE	2.0	2.1	.7	.2								5.0	4.6
E	4.1	3.9	2.4	.1								10.6	4.7
ESE	2.0	2.7	1.9	.1								6.7	5.5
SE	1.3	2.7	3.0	1.6								8.6	7.2
SSE	1.0	4.7	7.2	6.2	1.0							20.1	9.5
S	1.1	2.6	4.7	8.2	3.2	.7						20.4	11.9
SSW	.9	1.0	1.1	.7	.2							3.9	7.5
SW	.4	.3		.2								1.0	5.9
WSW	.2	.1	.1	.2								.7	7.7
W	.3	.7	.1	.1								1.2	4.5
WNW		.1	.1									.2	7.5
NW	.1	.4	.1	.2								.9	7.3
NNW	.1	.7	.6	.3								1.7	7.5
VARIABLE													
CALM	////////////////////											5.8	////
TOTALS	16.8	25.8	27.0	19.3	4.7	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN, HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	1.6	1.1	.2								3.6	5.9
NNE	1.4	1.2	.8	.4	.2							4.1	6.2
NE	1.4	2.2	1.1									4.8	4.8
FNE	1.7	2.0	1.0	.2								4.9	5.1
E	2.7	4.1	1.2	.2								8.2	4.7
FSE	3.3	2.3	2.1									7.8	4.7
SE	2.9	3.8	2.4	.9								10.0	5.6
SSE	2.1	5.7	8.1	5.0	.4							21.3	8.3
S	1.6	3.6	4.2	7.3	2.0	.1						18.8	10.4
SSW	.8	.1	.7	.2	.1							1.9	6.6
SW		.3	.1	.2	.1							.8	9.4
WSW	.4	.3	.2	.1								1.1	4.8
W	.3	.1										.4	2.5
WNW	.2	.1										.3	3.7
NW	.1			.2	.1							.4	12.0
NNW		.4	.1	.2								.8	7.7
VARIABLE													
CALM	////////////////////////////////////											10.8	////
TOTALS	19.7	27.9	23.2	15.3	3.0	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			
N	1.1	1.6	1.4	.9	.0	.0			5.0	6.9	
NNE	1.0	1.2	1.4	.6	.1				4.3	6.8	
NE	1.0	1.8	1.0	.3	.0	.0			4.1	5.7	
ENE	1.5	2.1	1.0	.3	.0				4.9	5.2	
E	2.7	3.1	1.5	.2					7.5	4.8	
ESE	1.6	2.1	1.4	.2					5.2	5.3	
SE	1.5	2.5	2.2	.8	.0				7.1	6.4	
SSE	1.5	3.7	4.8	3.6	.5	.0			14.0	8.4	
S	1.7	3.5	6.0	9.5	3.2	.7	.0		24.6	11.4	
SSW	.7	1.1	1.8	1.8	.5	.1			5.9	9.6	
SW	.4	.7	.7	.4	.1	.0			2.3	7.8	
WSW	.4	.4	.2	.2	.0				1.2	6.0	
W	.5	.5	.1	.1					1.2	4.4	
WNW	.2	.2	.1	.1			.0		.6	6.0	
NW	.2	.4	.1	.1	.0				.9	6.2	
NNW	.4	.7	.7	.4	.0	.0			2.1	7.3	
VARIABLE											
CALM	////////////////////									8.9	////
TOTALS	16.5	25.6	24.3	19.3	4.5	.9	.0		100.0	7.3	

TOTAL NUMBER OF OBSERVATIONS: 7200



MONTHLY CLIMATE DATA REPORT - MONTHLY WIND SPEED AND DIRECTION DATA  
 MONTHLY WIND SPEED AND DIRECTION DATA  
 AIR WEATHER SERVICE/AFAC

STATION NUMBER: ZONSON STATION NAME: W. CONNELL AIR F.S.

DATE: 12/15/64  
 TIME: 10:00 AM

DIRECTION (DEGREES)	WIND SPEED IN MPH					TOTAL KNOTS	TOTAL KNOTS	
	1-3	4-6	7-10	11-15	17-21			
N	.4	.5	.2	.2		1.3	1.3	
NNE	.9	1.3	.9	.2		3.3	3.3	
NE	1.2	1.7	.6	.7		4.2	4.2	
ENE	2.0	2.4	.6			5.0	5.0	
E	3.2	3.3	1.8			8.3	8.3	
ESE	1.3	2.8	.2			4.3	4.3	
SE	1.3	2.4	2.2	.1		6.0	6.0	
SSE	2.7	4.3	6.2	3.4	.5	17.1	17.1	
S	1.9	4.7	13.5	10.5	1.1	31.7	31.7	
SSW	1.0	1.1	1.5	1.2	.1	4.9	4.9	
SW	.2	.5	.3	.3		1.3	1.3	
WSW	.1	.2	.1			.4	.4	
W	.6		.2			.8	.8	
WNW	.1	.3	.1	.1		.6	.6	
NW	.1	.3	.1			.5	.5	
NNW	.2	.5	.1			.8	.8	
VARIABLE								
CALM	////////////////////						8.6	8.6
TOTALS	17.5	27.0	28.8	16.3	1.7	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56			
N	1.0	1.4	.8	.2	.2						3.5	6.2	
NNE	1.3	2.4	1.0								4.6	4.9	
NE	1.1	1.3	.8								3.1	4.7	
NNE	1.2	1.9	.1	.2							3.4	4.7	
E	1.7	3.1	.8								5.6	4.6	
ESE	.9	2.0	.4	.1							3.4	5.1	
SE	2.3	1.3	1.3	.3							5.2	4.8	
SSE	3.5	3.9	3.8	1.4	.4						13.0	6.4	
S	4.1	6.9	13.8	8.0	.1						32.8	7.1	
SSW	1.0	2.9	2.9	1.5	.3						9.6	7.5	
SW	.4	.5	.1	.1	.1						1.7	7.1	
WSW	.2	.1	.3	.1							.6	7.1	
W	.3	.1	.4								.8	7.1	
WNW	.3	.3									.6	7.1	
NW	.3	.2	.2			.1					.8	7.1	
NNW	.2	.3	.2	.1							.8	7.1	
VARIABLE	////////////////////////////////////												
CALM	////////////////////////////////////												
TOTALS	19.8	28.7	26.8	12.0	1.2	.1							

TOTAL NUMBER OF OBSERVATIONS: 930

AD-A179 196

MCCONNELL AFB KANSAS REVISED UNIFORM SUMMARY OF SURFACE 2/4

WEATHER OBSERVATI... (U) AIR FORCE ENVIRONMENTAL

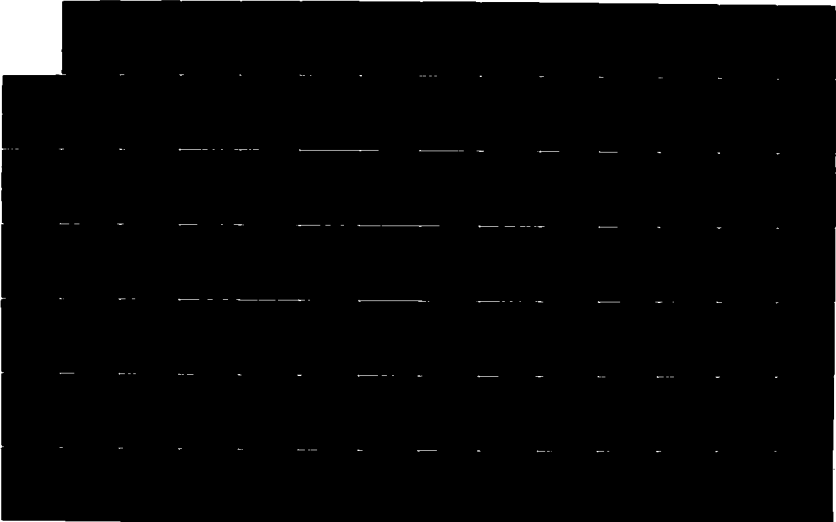
TECHNICAL APPLICATIONS CENTER SCOTT A... 87 APR 87

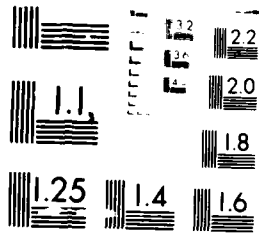
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NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS (LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		GE 56
N	1.1	1.5	.5	.3								3.4
NNE	.8	2.7	1.7		.1		.1					5.4
NE	.8	1.9	.5									3.2
ENE	.8	1.9	.8	.1								3.5
E	1.8	2.5	.5									4.8
ESE	1.0	1.7	.4									3.1
SE	1.4	3.0	1.2	.3								5.9
SSE	1.4	4.6	2.9	1.8	.3	.1						11.2
S	2.8	6.8	12.4	10.8	.5							33.2
SSW	1.2	2.2	4.3	2.5								10.1
SW	.2	.5	.8	.1								1.6
WSW	.3	.4	.2	.3								1.3
W	.8	1.0										1.7
WNW	.3	.1	.2									.6
NW	.3	.3	.2									.9
NNW	.3	.8	.3	.1								1.5
VARIABLE												
CALM	////////////////////											8.4
TOTALS	15.2	31.9	27.0	16.3	1.0	.1	.1					100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.1	1.0	1.4	.8								4.2	6.5
NNE	.6	1.3	1.6	.2								3.8	6.5
NE	1.3	2.7	1.6	.3								5.9	5.5
ENE	.8	1.5	1.1	.1								3.4	5.5
E	.8	1.9	2.2	.3								5.2	6.6
ESE	.5	1.3	.4	.2								2.5	5.8
SE	.8	1.1	.6	.4								2.9	6.1
SSE	1.1	1.5	1.9	1.3	.1	.2						6.1	8.1
S	2.0	4.3	8.0	11.2	2.0	.3						27.8	10.3
SSW	.5	2.8	5.3	8.4	1.5							18.5	10.9
SW	1.0	2.3	3.1	2.5	.1	.1						9.0	8.8
WSW	.1	.6	.5	.5								1.8	8.2
W	.9	.4	.2	.3								1.8	5.9
WNW	.2	.5	.3		.1							1.2	6.7
NW	.1		.1	.1								.3	6.7
NNW	.5	1.0	.4									1.9	4.9
VARIABLE													
CALM	////////////////////											3.5	////
TOTALS	12.3	24.2	28.8	26.7	3.9	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.9	1.1	1.8	.4								4.2	6.5
NNE	1.1	.9	1.3	.3								3.5	6.4
NE	.8	1.6	1.7	.1								4.2	5.7
ENE	1.3	2.5	1.5									5.3	5.2
E	1.4	2.0	1.7	.1								5.3	5.5
ESE	1.1	.6	1.0	.4								3.1	6.1
SE	.3	1.7	.9	.4	.1							3.4	6.9
SSE	1.3	1.9	2.5	2.2	.3							8.2	8.4
S	1.5	2.9	9.1	15.6	3.0	.6						32.8	11.6
SSW	.8	2.4	2.5	5.9	2.2							13.7	11.6
SW	.8	1.5	1.4	1.4	.5	.1						5.7	9.3
WSW	.2	.8	1.3	.9								3.1	8.6
W	.6	.1	.1		.1							1.0	5.2
WNW	.2	.5	.2									1.0	5.2
NW	.2	.1										.3	2.7
NNW	.6	.5	.8	.2								2.2	5.7
VARIABLE													
CALM	////////////////////											3.1	////
TOTALS	13.0	21.2	27.7	28.0	6.2	.8						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.1	.9	1.0	.3	.1							3.3	6.4
NNE	.6	1.2	1.5	.2								3.5	6.4
NE	1.6	2.0	1.7	.1								5.5	5.4
NNE	1.2	2.4	1.7	.2								5.5	5.9
E	1.1	3.8	2.6	.3								7.7	6.0
ESE	1.3	1.5	1.9	.3								5.1	6.0
SE	.8	2.5	1.7	.5								5.5	6.5
SSE	1.4	2.3	4.1	6.7	1.5	.1						16.0	10.6
S	.5	1.9	8.2	14.9	3.7	.6						29.9	12.4
SSW	1.0	.5	1.5	3.0	1.6							7.6	11.6
SW	.3	.4	.6	1.3								2.7	9.9
WSW	.1	.3	.1	.4	.1							1.1	9.2
W	.2	.3	.3	.1								1.0	6.2
WNW	.2	.4	.2	.1								1.0	5.9
NW	.2	.1		.1								.4	5.5
NNW	.6	.4	.3		.1							1.5	5.1
VARIABLE													
CALM	////////////////////											2.7	////
TOTALS	12.3	21.0	27.5	28.7	7.1	.8						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.3	1.0	1.1	.3	.2	.1						3.0	8.1
NNE	.5	1.1	1.6	.2								3.4	6.7
NE	.6	2.0	.9	.5	.1							4.2	6.6
ENE	2.0	2.8	1.9	.2								7.0	5.2
E	3.9	5.2	1.5	.3								10.9	4.7
ESE	1.5	1.9	2.3	.4								6.1	6.2
SE	1.7	2.8	2.8	.9								8.2	6.6
SSE	1.3	3.5	10.3	9.8	1.2		.1					26.2	10.3
S	1.4	2.4	6.5	8.5	1.9							20.6	10.8
SSW		.5	.4	1.5	.2							2.7	11.2
SW		.5	.2	.2	.1							1.1	9.3
WSW	.2	.3	.2									.8	5.3
W	.3		.3	.1								.8	5.9
WNW	.3		.2	.1								.6	5.2
NW	.1	.2		.1								.4	6.3
NNW	.2	.5	.1	.1								1.0	5.8
VARIABLE													
CALM	////////////////////											3.0	////
TOTALS	14.5	24.8	30.3	23.3	3.8	.1	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	.4	.2	.4								1.8	6.1
NNE	.4	1.6	1.8	.4								4.3	7.2
NE	1.3	1.8	1.1	.1								4.3	5.2
NNE	2.7	2.4	1.2	.1								6.3	4.6
E	3.4	4.9	1.2									9.6	4.3
ESE	3.1	2.0	.9	.2	.1							6.3	4.3
SE	1.6	3.2	3.4	.9								9.1	6.7
SSE	1.2	5.4	13.7	5.9	.5							26.7	8.6
S	1.5	2.8	7.1	8.1	1.0							20.4	10.1
SSW		.3	.4	.4								1.2	4.7
SW	.3	.1										.4	2.5
WSW		.3										.3	4.7
W		.3										.3	5.3
WNW		.1	.2									.3	4.0
NW		.1	.1	.1								.3	4.0
NNW	.1	.1	.1		.1							.4	4.3
VARIABLE													
CALM	////////////////////											7.7	////
TOTALS	16.5	26.0	31.4	16.7	1.7							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	1.0	.9	.4	.1	.0						3.1	6.4
NNE	.8	1.7	1.4	.2	.0		.0					4.1	6.2
NE	1.1	1.8	1.1	.2	.0							4.2	5.4
NNE	1.5	2.2	1.1	.1								4.9	5.1
E	2.2	3.3	1.5	.1								7.2	5.0
ESE	1.3	1.7	.9	.2	.0							4.2	5.3
SE	1.3	2.2	1.8	.5	.0							5.8	6.1
SSE	1.7	3.4	5.7	4.1	.6	.1	.0					15.6	8.7
S	2.0	4.1	9.8	10.9	1.7	.2						28.7	10.2
SSW	.7	1.6	2.4	3.1	.7							8.4	10.0
SW	.4	.8	.8	.7	.1	.0						2.9	8.6
WSW	.2	.4	.3	.3	.0							1.2	7.7
W	.5	.3	.2	.1	.0							1.0	5.1
WNW	.2	.3	.2	.0	.0							.8	5.8
NW	.2	.2	.1	.1		.0						.5	5.8
NNW	.4	.5	.3	.1	.0							1.3	5.5
VARIABLE													
CALM	////////////////////											6.1	////
TOTALS	15.1	25.6	28.5	21.0	3.3	.3	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	1.4	.6	.4								3.2	5.9
NNE	.9	1.5	1.3	.1	.1							3.9	6.1
NE	1.2	2.2	1.2	.2								4.7	5.4
NNE	2.2	2.4	1.4	.2								6.1	5.0
E	3.4	4.6	1.7									9.8	4.5
ESE	1.8	2.2	.6	.2								4.8	4.7
SE	1.5	4.0	1.8	.1								7.4	5.5
SSE	2.3	4.4	5.2	2.6								14.4	7.3
S	4.0	6.8	8.4	6.7	.5							26.3	7.9
SSW	.5	1.3	1.8	1.8								5.5	8.6
SW	.1	.1	.3	.4								1.0	9.3
WSW	.1			.1								.2	8.5
W	.2	.4										.6	4.2
WNW	.1	.1		.2								.4	8.3
NW	.4	.4	.1									1.0	4.1
NNW	.2	.2	.2			.1						.8	7.6
VARIABLE													
CALM	////////////////////											9.8	////
TOTALS	19.7	31.9	24.7	13.1	.6	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.3	1.6	1.3	.4								4.6	5.9
NNE	1.0	2.6	.8	.4								4.7	5.7
NE	1.1	2.2	.8	.2	.1							4.3	5.7
ENE	1.8	2.0	1.0	.2								5.1	5.0
E	3.8	3.4	1.2	.1								8.5	4.3
ESE	2.0	2.0	1.1									5.2	4.4
SE	1.4	2.4	1.5	.1								5.4	5.3
SSE	2.3	4.0	2.4	1.2								9.8	6.0
S	3.7	6.1	10.3	4.2	.8							27.0	7.6
SSW	1.5	1.8	2.0	.9								6.2	6.6
SW	.8	.2	.6									1.6	4.8
WSW	.2	.3	.2	.1								.9	6.0
W	.5	.1										.6	3.2
WNW	.1	.1	.3									.5	6.4
NW	.2	.3	.5									1.1	5.9
NNW	.4	.6	.2	.1								1.4	5.5
VARIABLE													
CALM	////////////////////											13.1	////
TOTALS	22.0	31.8	24.2	8.0	.9							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	1.1	1.9	.3								4.4	6.4
NNE	1.2	2.0	1.6	.2								5.1	5.5
NE	1.1	2.3	1.3	.1								4.7	5.3
NNE	1.5	2.4	1.0	.2								5.1	4.9
E	3.1	3.3	1.8	.1								8.4	4.7
ESE	1.3	2.0	1.2	.1								4.6	5.3
SE	1.4	2.0	2.4	.5	.2							6.6	6.5
SSE	1.2	4.1	3.2	1.8								10.3	7.1
S	3.3	8.2	10.8	6.5	.6							29.4	7.9
SSW	1.7	1.7	2.0	1.3	.2							7.0	7.2
SW	.8	.3	.1	.1	.1							1.4	5.2
WSW	.3	.3	.3									1.0	4.9
W	.2	.1										.3	2.7
WNW	.1	.1	.1									.3	4.7
NW	.8	.2	.1	.2								1.3	5.3
NNW	.3	.6	.6	.1								1.7	6.4
VARIABLE													
CALM	////////////////////											8.5	////
TOTALS	19.4	30.9	28.5	11.6	1.2							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.3	1.3	2.2	.9								4.6	7.9
NNE	.3	2.0	1.8	.4								4.6	6.7
NE	.8	1.8	1.6									4.2	5.9
NNE	.6	2.2	1.3									4.1	5.5
E	1.9	3.1	1.7									6.8	5.0
ESE	.8	1.4	1.3	.1								3.5	5.9
SE	.5	1.7	1.4	.6								4.3	7.1
SSE	.8	2.2	4.1	3.4	.1							10.5	9.3
S	1.2	4.1	8.9	9.4	1.1	.3						24.9	10.1
SSW	.9	2.7	3.8	7.7	1.4	.1						16.6	10.9
SW	1.2	1.2	1.1	1.0	.2							4.6	7.4
WSW	.9	.5	.9	.2								2.5	5.8
W	1.0	.6	.2	.1								1.9	4.4
WNW	.6	.3	.1									1.1	3.5
NW	.3	.1	.2	.4								1.1	7.7
NNW	.4	.4	.6									1.5	5.5
VARIABLE													
CALM	////////////////////											3.1	////
TOTALS	17.5	25.7	31.2	24.3	2.8	.4						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.6	1.1	1.4	1.0								4.1	8.0
NNE	.2	1.1	1.7	.5	.2							3.8	6.4
NE	1.3	1.8	2.8	.5								6.5	6.6
NNE	1.2	1.9	1.1									4.2	5.2
E	1.3	3.2	1.4	.1								6.0	5.1
ESE	.9	.8	1.5	.3								3.4	6.3
SE	1.0	1.2	2.3	.3	.1							4.9	6.9
ESE	1.1	1.8	3.8	3.8		.1						10.8	9.1
S	1.7	3.4	7.4	13.3	3.0	.3						29.2	11.2
SSW	.5	2.0	3.7	4.8	1.3	.1						12.5	11.6
SW	.5	1.2	2.0	1.1	.4							5.3	9.1
WSW	.3	.4	.3	.4								1.5	7.2
W	.6	.3	.3	.3								1.6	5.8
WNW	.3	.2	.1									.6	3.5
NW		.4	.4	.1								1.0	7.3
NNW	.6	.5	.5	.4								2.2	6.3
VARIABLE													
CALM	////////////////////											2.6	////
TOTALS	12.5	21.5	30.8	27.1	5.1	.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLO BAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.6	1.2	2.0	1.0	.2							5.1	8.1
NNE	.3	1.4	2.7	1.0								5.4	8.1
NE	.8	1.7	1.6	.3								4.4	6.7
NNE	.9	2.9	1.8	.5								6.1	6.1
E	2.5	3.0	1.1	.4	.1							7.1	5.2
ESE	1.4	1.2	1.9	.2								4.7	5.8
SE	1.1	2.3	2.3	.8	.2							6.6	7.1
SSE	.9	3.3	6.1	4.0	1.2	.2						15.7	9.8
S	1.3	4.0	5.2	12.5	2.8	.5						26.2	11.4
SSW	.5	.8	2.5	4.0	.8	.2						8.8	11.8
SW	.4	.2	.9	.4	.1			.1				2.0	8.5
WSW	.4	.2	.3									1.0	5.6
W	.1	.1	.1	.3								.6	8.7
WNW	.2	.3	.2									.8	5.0
W		.5	.5	.2								1.3	8.0
WNW	.1	.6	.6	.1								1.5	6.9
VARIABLE													
CALM	////////////////////											2.7	////
TOTALS	11.5	23.8	29.9	25.7	5.4	1.0		.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.2	1.4	1.7	.5	.1			4.0	8.1
NNE	.6	.9	1.1	.3		.1		3.0	7.1
NE	1.2	1.8	1.6	.2				4.8	5.7
ENE	1.6	4.1	1.8	.1				7.6	5.1
E	4.8	4.9	1.7	.6				12.2	4.6
ESE	2.7	2.3	1.1	.2				6.2	4.6
SE	1.8	5.3	2.7	1.0	.2			11.0	6.3
SSE	.6	7.0	7.1	5.2	.1			20.0	8.3
S	1.7	3.0	4.8	7.4	1.1	.1		18.2	10.1
SSW	.2	1.1	1.5	1.4	.2			4.4	9.5
SW	.2	.3	.3	.3				1.2	7.4
WSW		.1		.1				.2	8.0
W	.1	.3	.1	.1				.6	6.3
WNW		.1	.1					.2	7.0
NW	.1	.6						.8	4.1
NNW	.2	.4	.6	.3	.1			1.7	8.4
VARIABLE									
CALM	////////////////////							3.9	////
TOTALS	16.2	33.7	26.3	17.8	1.8	.2		100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	1.2	1.2	.6								3.8	6.9
NNE	.8	1.5	1.4									3.7	5.8
NE	1.2	1.6	1.1	.4								4.3	5.8
ENE	2.5	2.7	1.1	.1								6.3	4.2
E	3.5	6.3	2.6	.3								12.8	4.9
ESE	1.9	3.5	.8	.2								6.5	4.8
SE	2.7	4.2	4.5	.6								12.0	6.0
SSE	1.9	5.8	8.4	2.2	.1							18.4	7.4
S	2.6	3.7	7.1	6.1	.4							19.9	8.8
SSW	.3	.9	.4	1.0								2.6	8.1
SW	.1	.3	.1									.5	4.6
WSW													
W													
WNW	.2			.2								.4	8.0
NW	.4	.2	.2	.2								1.1	6.2
NNW	.2	.3	.1									.6	4.7
VARIABLE													
CALM	////////////////////											7.1	////
TOTALS	19.1	32.3	28.9	12.0	.5							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	1.3	1.5	.6	.0							4.2	7.2
NNE	.7	1.6	1.5	.4	.0	.0						4.3	6.7
NE	1.1	1.9	1.5	.3	.0							4.7	5.9
NNE	1.5	2.6	1.3	.2								5.6	5.1
E	3.1	4.0	1.7	.2	.0							8.9	4.8
ESE	1.6	1.9	1.2	.2								4.9	5.1
SE	1.4	2.9	2.4	.5	.1							7.3	6.3
SSE	1.4	4.1	5.0	3.0	.2	.0						13.7	8.1
S	2.4	5.1	7.9	8.3	1.3	.2						25.1	9.4
SSW	.8	1.5	2.2	2.9	.5	.1		.0				7.9	9.8
SW	.5	.5	.7	.4	.1							2.2	7.6
WSW	.3	.2	.3	.1								.9	6.1
W	.3	.3	.1	.1								.8	5.2
WNW	.2	.2	.1	.1								.6	5.3
NW	.3	.4	.3	.1								1.1	6.2
NNW	.3	.5	.5	.1	.0	.0						1.4	6.5
VARIABLE													
CALM	////////////////////											6.3	////
TOTALS	16.6	28.9	28.1	17.5	2.3	.3		.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.0	1.3	2.0	1.0	.1	.1						5.6	7.9
NNE	.8	2.1	1.9	.8								5.6	6.8
NE	1.8	2.3	.6									4.7	4.3
NNE	1.7	1.7	.6									3.9	4.2
E	2.7	3.3	1.6									7.6	4.5
ESE	2.0	1.3	.8									4.1	4.2
SE	1.7	4.9	1.8	.3								8.7	5.5
SSE	2.1	6.2	5.1	3.2	.3							17.0	7.5
S	2.9	5.3	8.8	8.7	1.3	.4						27.4	9.5
SSW	.6	.8	.6	1.4	.2	.1						3.7	10.0
SW	.1	.4	.2		.1							.9	8.0
WSW	.1	.1		.1								.3	5.7
W		.6	.1									.7	5.5
WNW		.1										.1	4.0
NW		.2	.2									.4	7.5
NNW	.2	.2	.3	.4								1.2	8.4
VARIABLE													
CALM	////////////////////											8.2	////
TOTALS	17.6	31.0	24.4	16.0	2.1	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.7	1.9	1.0	.1	.2						5.6	8.2
NNE	.7	2.1	1.4	1.0								5.2	7.1
NE	1.4	2.1	1.0									4.6	4.8
NNE	1.7	1.1	.4									3.2	4.0
E	2.8	3.1	1.4									7.3	4.5
ESE	1.6	1.2	.2									3.0	3.7
SE	2.8	3.3	.7	.1								6.9	4.2
SSE	3.7	4.3	2.7	3.3	.1							14.1	6.9
S	4.4	6.1	8.2	7.8	1.0							27.6	8.7
SSW	.3	1.2	1.6	1.6	.2	.1						5.0	9.6
SW	.1	.2	.2									.6	6.4
WSW	.2	.2	.1									.6	4.0
W	.2	.3	.1									.7	4.7
WNW	.1											.1	2.0
NW	.2	.3										.6	4.4
NNW	.4	.9	.8	.4	.3							2.9	8.4
VARIABLE													
CALM	////////////////////											12.2	////
TOTALS	21.3	28.3	20.8	15.2	1.8	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 0600-0600

DIRECTION (DEGREE(S))	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.0	2.1	2.4	1.2	.3	.1		7.2	6.0
NNE	.6	1.1	1.8	.8	.2			4.4	6.2
NE	1.0	1.1	.9	.2				3.2	5.8
NNE	1.2	1.9	1.6					4.7	5.3
E	2.3	3.3	1.8	.2				7.7	4.9
ESE	2.0	2.9	.6					5.4	4.3
SE	1.4	2.9	1.0	.2				5.6	5.1
SSE	2.3	4.1	3.8	2.1	.1			12.4	7.1
S	1.7	6.0	10.0	8.8	2.0	.2		29.7	9.7
SSW	.4	1.6	1.3	.9		.2		4.4	6.6
SW	.1	.3	.2					.7	5.3
WSW		.3						.3	4.7
W	.2	.2						.4	3.5
WNW	.3	.2	.2					.8	4.0
NW		.8	.1	.1				1.0	6.2
NNW	.8	1.2	.7	.6	.3			3.6	7.2
VARIABLE									
CALM	////////////////////							9.4	////
TOTALS	15.4	30.1	26.3	15.1	3.0	.6		100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.2	2.2	2.7	1.6	.8	.2						7.7	9.9
NNE	.3	1.0	2.4	1.4	.2							5.4	9.3
NE	.2	.8	1.1	.8								2.9	8.2
NNE	.6	1.4	1.4	.1								3.6	6.3
E	1.0	1.4	2.3	.4								5.2	6.5
ESE	.8	1.4	.6	.4								3.2	6.1
SE	.4	1.6	2.2	.3								4.6	7.0
SSE	.9	1.4	3.2	2.1	.2	.2						8.1	9.3
S	.4	4.8	9.9	12.8	4.1	1.2	.1					33.3	11.8
SSW	.3	1.7	3.1	4.0	2.2	.1						11.4	11.8
SW	.6	1.7	1.1	.9								4.2	7.0
WSW	.6	.9	.2	.1								1.8	5.0
W	.7	.3										1.0	3.2
WNW	.2	.1	.3									.7	5.2
NW	.3	.3	.2									.9	4.6
NNW	.3	1.2	.6	.7	.1							2.9	7.4
VARIABLE													
CALM	////////////////////											3.1	////
TOTALS	7.9	22.3	31.4	25.7	7.7	1.8	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.0	1.4	3.4	2.8	1.2	.1						10.0	10.3
NNE	.2	1.4	1.4	.9	.1							4.1	8.5
NE	.3	1.1	1.0	.6								3.0	7.4
NNE	.2	1.9	.7									2.8	5.3
E	1.0	1.4	1.6	.3								4.3	6.2
ESE	.4	1.1	2.1	.2								3.9	7.3
SE	.4		1.0	.4								2.6	7.2
ESE	.6	1.4	3.3	3.2	.9	.2						9.7	10.5
S	1.2	4.2	7.8	15.0	5.0	2.3	.1					35.7	12.7
SSW	.7	2.3	2.3	3.0	2.1	.7						11.1	11.6
SW	.3	1.1	.8	1.0	.1							3.3	8.1
WSW	.6	1.0	.6	.1								2.2	5.4
W	.1	.4	.2	.2								1.0	7.1
WNW	.2	.3										.6	4.2
NW	.6	.3	.1	.6								1.6	7.2
WNW	.3	.2	.4	.9								1.9	9.6
VARIABLE													
CALM	////////////////////											2.3	////
TOTALS	8.2	20.6	26.8	29.2	9.4	3.3	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.6	2.2	2.8	.9	.1						8.2	10.2
NNE	.8	1.9	1.8	1.2	.1							5.8	8.0
NE	.8	1.4	1.0	.7								3.9	6.6
ENE	.2	2.4	.9									3.6	6.0
E	1.4	2.1	1.9	.2								5.7	5.7
ESE	.6	.7	.9	.3	.1							2.6	7.2
SE	.7	1.4	2.4	.7	.1							5.3	7.4
SSE	.8	1.3	5.7	4.8	1.1	.2						13.9	10.7
S	1.1	4.7	4.4	13.8	5.3	1.4	.3					31.1	12.8
SSW	.7	1.7	1.7	2.8	1.0	.3						8.1	11.1
SW	.6	1.2	.7	.6		.2						3.2	8.1
WSW	.3	.3	.4	.3								1.4	7.5
W		.4	.2									.7	5.5
WNW		.2	.2	.1								.6	8.2
NW	.3	.2	.1	.7								1.3	8.8
NNW	.3	.7	.6	.9	.1							2.6	9.4
VARIABLE													
CALM	////////////////////											2.1	////
TOTALS	9.2	22.3	25.1	29.8	8.8	2.3	.3					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.8	1.9	2.3	2.1	.3							7.4	8.7
NNE	1.2	2.2	1.7	1.1	.1							6.3	7.3
NE	1.4	2.2	.9	.7	.2							5.4	6.2
NNE	2.3	2.3	.8	.1								5.6	4.4
E	1.6	3.0	2.2	.2								7.0	5.7
ESE	1.0	2.1	1.1									4.2	5.1
SE	1.9	4.0	2.9	.9	.1							9.8	6.3
SSE	2.4	5.6	7.9	5.0	.9							21.8	8.4
S	1.7	3.7	5.0	7.2	2.6	.4						20.6	10.7
SSW	.3	1.7	.9	.3		.2						3.4	7.6
SW		.4	.1		.1							.7	8.7
WSW		.1										.1	5.0
W	.2	.1										.3	3.0
WNW													
W			.2	.2								.4	10.8
WNW		.2	.8	.3								1.3	9.3
VARIABLE													
CALM	////////////////////											5.6	////
TOTAL	14.9	29.6	26.8	18.2	4.3	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	2.3	1.8	1.4								6.0	7.7
NNE	.7	1.4	1.9	.8								4.8	7.3
NE	1.0	2.7	1.2	.6								5.4	5.9
NNE	1.8	3.3	.3									5.4	4.2
E	2.7	2.9	2.7	.4								8.7	5.4
ESE	2.6	2.8	.4	.1								5.9	4.2
SE	1.6	5.4	2.6	.8								10.3	5.8
SSE	2.1	6.0	6.8	5.7	.8							21.3	4.5
S	2.1	2.8	6.0	8.0	2.1	.4						21.4	10.6
SSW	.2	.2	.1		.2							.6	5.0
SW	.3	.3	.2									.9	4.5
WSW	.2											.7	2.5
W													
WNW		.1										.1	6.0
NW	.2		.2	.1								.6	7.4
NNW	.1		.6	.1	.1							.9	4.6
VARIABLE	////////////////////////////////////											7.2	////
TOTAL %	16.0	30.3	24.8	18.0	3.2	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(UTC): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND			
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40			41-47	48-55	GE 56
N	.7	1.8	2.3	1.7	.5	.1						7.2	5.7
NNE	.7	1.7	1.8	1.0	.1							5.2	7.8
NE	1.0	1.7	1.0	.4	.0							4.1	6.0
ENE	1.2	2.0	.8	.0								4.1	4.9
E	1.9	2.6	1.9	.2								6.7	5.3
ESE	1.4	1.7	.8	.1	.0							4.0	5.1
SE	1.4	3.0	1.8	.5	.0							6.7	5.9
SSE	1.9	3.8	4.8	3.7	.6	.1						14.8	8.5
S	1.9	4.7	7.5	10.2	2.9	.8	.1					28.2	10.9
SSW	.4	1.4	1.4	1.7	.7	.2						6.0	10.6
SW	.3	.7	.4	.3	.0	.0						1.8	7.4
WSW	.2	.4	.2	.1								.9	5.5
W	.2	.3	.1	.0								.5	4.9
WNW	.1	.1	.1	.0								.4	5.1
NW	.2	.3	.2	.2								.7	7.1
NNW	.3	.6	.6	.5	.1							2.2	5.4
VARIABLE													
CALM	////////////////////										6.3	////	
TOTALS	13.8	26.8	25.8	20.9	5.0	1.3	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	0.9	3.5	2.0	3.1	.4	.2						10.3	7.8
NNE	1.0	2.0	1.1	.8								4.9	6.9
NE	1.0	2.2	.4	.2								3.8	5.2
NNE	1.4	1.6	.3	.1								3.4	4.7
E	2.0	1.7	.3									4.1	5.8
ESE	1.5	1.5	.8									3.8	4.2
SE	1.5	3.2	1.4	.6	.3							7.1	6.3
ESE	1.0	5.3	3.9	2.9	.9							13.9	6.7
S	1.8	5.2	5.2	5.6	1.3	.6						19.7	5.5
SSW	1.2	.6	.6	.8	.4							3.7	3.5
SW	.4	.8	.2									1.4	4.7
WSW	.3	.4	.1									.8	4.7
W	.8	.5	.1	.3								1.7	5.3
WSW		1.0	.1	.6								1.7	5.1
W	.2	.6	.6	.2	.2							1.8	5.1
WNW	.5	1.6	.5	.3								3.1	5.2
VARIABLE													
CALM	////////////////////										10.5	////	
TOTALS	17.5	31.8	17.7	15.6	3.5	.9						70.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.4	1.8	2.8	3.8	.5		.2					11.5	9.0
NNE	.8	1.2	1.3	1.2								4.4	7.7
NE	1.4	1.5	.2	.3								3.4	4.4
ENE	1.3	1.0	.1	.1								2.5	4.0
E	2.3	2.5	.4	.1								5.3	4.1
ESE	1.3	1.2	.6									3.1	4.2
SE	2.6	1.7	1.6	.4	.2							6.6	5.5
SSE	1.7	3.4	2.6	2.4	.8	.1						11.0	8.1
S	2.5	6.7	4.3	6.5	1.2	.5						21.6	8.9
SSW	.6	1.3	.9	.8								3.5	7.2
SW	.9	.4		.1								1.4	4.0
WSW	.3	.2	.1									.6	3.7
W	.3	.3	.3	.1								1.1	5.9
WNW		1.0		.2								1.2	6.9
NW	.6	1.0	.6	.3	.2							2.8	7.1
NNW	.8	2.5	2.2	1.0								6.3	7.1
VARIABLE													
CALM	////////////////////											13.7	////
TOTALS	19.7	27.6	18.1	17.2	2.9	.6	.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(IST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.7	3.1	4.3	3.0	.5							12.7	6.4
NNE	.9	1.1	1.5	1.2	.4							5.1	8.6
NE	1.1	2.0	1.1	.3								4.5	5.5
ENE	1.1	.6	.1	.2								2.0	4.7
E	1.3	2.2	.6	.1								4.2	4.6
ESE	1.2	1.4	.5	.1								3.2	4.8
SE	1.6	1.5	1.9	.3		.3						5.7	6.8
SSE	2.2	3.4	4.6	1.8	.2							12.3	7.3
S	2.2	6.8	5.6	4.8	1.9	.2						21.5	8.9
SSW	1.0	.9	1.0	.8								3.5	7.0
SW	.6	.3	.5	.2								1.7	5.9
WSW	.3	.2	.2									.8	4.3
W	.6	.6	.3	.1								1.7	5.1
WNW	1.1	.9	.1	.2								2.3	4.3
NW	.1	1.2	.9	.5	.2	.2						3.1	9.1
NNW	.8	1.4	2.2	1.2								5.5	8.1
VARIABLE													
CALM	////////////////////											10.2	////
TOTALS	17.6	27.6	25.5	14.9	3.3	.8						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	2.0	5.4	6.0	.4							14.3	10.3
NNE	.2	1.2	1.6	1.7	.1							4.8	9.4
NE	.3	1.0	1.9	.4	.1							3.8	7.9
NNE	.4	1.1	1.0									2.5	5.8
E	.5	1.7	.9									3.1	5.1
ESE	.6	1.6	1.5	.1			.1					4.0	6.5
SE	.4	1.5	1.5	.9	.1		.1					4.5	8.3
ESE	.3	1.9	2.5	3.2	.2							8.2	9.6
S	1.1	3.1	6.7	8.2	3.9	1.5						24.4	12.1
SSW	.4	1.5	2.4	3.5	.6	.1						8.6	10.5
SW	.3	.8	.6	.6	.4							2.8	9.8
WSW	.3	1.1	1.1	.2								2.7	6.6
W	.3	1.3	.4	.3	.1							2.5	6.9
WNW	.5	.9	.9		.1							2.4	6.6
NW	.3	1.3	.9	.6	.3	.1						3.5	9.0
NNW	.4	1.2	2.2	1.3	.4	.3						5.8	9.6
VARIABLE													
CALM	////////////////////											2.2	////
TOTALS	7.1	23.1	31.3	27.2	6.9	2.0	.2					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	1.6	4.6	6.1	.1							13.3	10.2
NNE	.5	.5	2.0	2.2	.5							5.8	10.6
NE	.2	1.0	1.6	.6	.1							3.5	8.5
ENE	.4	.5	.5									1.5	5.1
E	.2	1.6	.4									2.3	5.3
ESE	.4	.5	.6									1.6	5.4
SE	.1	1.4	1.7	1.1	.1							4.4	8.3
SSE	.4	1.5	3.0	2.5	.8	.1						8.3	10.2
S	.9	2.0	7.0	8.7	3.9	1.4	.1					24.0	12.7
SSW	.4	1.3	2.3	3.2	1.8	.6	.1					9.8	12.7
SW	.2	.3	1.7	1.2	.8	.1						4.3	11.7
WSW		.6	.6	.3								1.6	8.4
W	.4	.8	.9	.3	.1							2.5	7.9
WNW	.1	.4	1.1	.2								1.8	7.6
NW	.6	.8	1.5	1.5	.2	.2						4.8	9.9
NNW	.3	1.7	2.5	2.6	.5							7.6	9.7
VARIABLE													
CALM	////////////////////											2.8	////
TOTALS	6.2	16.7	32.2	30.5	8.9	2.5	.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.5	2.3	4.5	5.5	.6							13.4	10.3
NNE	.4	.9	2.4	1.8	.1							5.6	9.3
NE	.4	1.2	1.6	.2								3.4	6.6
ENE	.6	.6	.5									1.8	5.1
E	.9	1.1	.2									2.2	4.1
ESE	.8	.9	.2	.1								1.9	4.7
SE	.4	1.0	1.1	1.1	.1							3.7	8.9
SSE	.4	2.7	3.3	3.7	.8	.2						11.1	9.7
S	.9	2.7	6.2	9.1	2.8	2.0						23.8	12.4
SSW		1.3	1.0	3.0	1.2	.2	.1					6.8	12.7
SW	.2	.6	1.5	.8	.3							3.4	9.3
WSW	.9	.3	.4	.2		.1						1.9	6.1
W	.6	1.0	.5	.6	.3							3.1	6.3
WNW	.6	.8	.4	.3								2.2	6.3
NW	.1	.5	1.6	1.0		.4						3.7	10.9
NNW	.5	1.8	3.7	2.5	.2	.2						8.9	9.2
VARIABLE													
CALM	////////////////////											3.1	////
TOTALS	8.4	19.6	29.2	29.9	6.5	3.2	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	2.3	5.7	4.8	2.6	1.0	.1		16.5	8.0
NNE	1.9	1.9	1.3	.6	.4			6.1	6.9
NE	1.1	1.7	.9	.3				4.0	5.3
ENE		.6						.6	5.0
E	1.8	1.8	.1		.1			3.9	4.0
ESE	1.5	1.2	.6	.1				3.4	4.8
SE	2.2	2.8	1.3	1.3				7.5	6.3
SSE	2.4	4.1	5.2	3.2	.4			15.3	7.9
S	1.9	4.4	4.5	4.6	1.0	.3		16.8	7.1
SSW	.4	1.1	1.2	.2	.2	.1		3.2	8.1
SW	.5	.1						.6	2.2
WSW	.1	.1	.1	.2				.5	9.2
W	.3	.3	.3	.2				1.2	6.4
WNW	.4	.1	.2		.2			1.0	8.2
NW	.3	.6	.3	.1	.1			1.5	6.2
NNW	.6	2.2	1.2	.4	.2	.1		4.7	7.3
VARIABLE									
CALM	////////////////////							13.1	////
TOTALS	17.7	28.8	22.0	14.0	3.7	.6		100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-96  
 MONTH: OCT HOURS(1ST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.5	5.1	4.4	2.2	.3	.2						13.7	7.7
NNE	1.2	1.9	1.2	1.5	.4							6.2	8.1
NE	1.3	1.0	1.0	.2								3.4	5.6
ENE	1.2	1.7	.5									3.4	4.2
E	2.6	1.7	1.0									5.3	4.2
ESE	1.1	1.5	.9									3.4	4.7
SE	1.2	3.8	2.0	1.1	.1							8.2	6.8
SSE	1.3	3.8	4.2	3.3	.8	.1						13.4	8.6
S	2.3	5.3	4.0	5.5	1.6	.4						19.0	9.4
SSW	.6	.8	1.0	.6	.1	.1						3.2	8.1
SW	.2	.2										.4	3.5
WSW		.1	.1									.2	5.5
W	.3	.2		.3								.9	6.8
WNW	.1	.2	.3	.6	.1							1.4	10.8
NW	.1	.6		.1								.9	5.9
NNW	.4	1.7	.3	.1	.3							2.9	6.8
VARIABLE													
CALM	////////////////////											14.0	////
TOTALS	15.4	29.6	20.9	15.6	3.8	.9						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/ETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.6	3.1	4.1	4.0	.5	.1	.0					13.5	6.9
NNE	.8	1.3	1.5	1.4	.3							5.4	6.5
NE	.8	1.4	1.1	.3	.0							3.7	6.1
NNE	.8	1.0	.4	.1								2.2	4.7
E	1.5	1.8	.5	.0	.0							3.8	4.3
ESE	1.0	1.2	.7	.1			.0					3.1	5.0
SE	1.2	2.1	1.6	.8	.1	.0	.0					6.0	6.9
SSE	1.2	3.3	3.7	2.9	.6	.1						11.7	6.6
S	1.7	4.5	5.4	6.6	2.2	.9	.0					21.3	10.5
SSW	.6	1.1	1.3	1.6	.6	.1	.0					5.3	10.2
SW	.4	.4	.6	.4	.2	.0						2.0	6.3
WSW	.3	.4	.3	.1		.0						1.2	6.3
W	.5	.6	.4	.3	.1							1.8	6.4
WNW	.4	.6	.4	.3	.1							1.7	7.1
NW	.3	.8	.8	.6	.2	.1						2.8	6.9
NNW	.6	1.8	1.8	1.7	.2	.1						5.6	6.3
VARIABLE													
CALM	////////////////////											9.0	////
TOTALS	13.7	25.6	24.6	20.6	4.9	1.4	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-96  
 MONTH: NOV HOURS/EST: 0000-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	2.8	4.6	4.4	1.0	.2	.1	.1				14.7	5.9
NNE	1.0	2.6	3.7	1.4	.1							8.8	7.7
NE	.2	1.0	.4	.4	.2							2.3	4.3
ENE	.6	1.1	.8	.1								2.6	5.6
E	1.3	1.9	.4									3.7	4.0
ESE	1.0	.9	.4									2.3	4.4
SE	1.3	1.3	1.1	.2								4.1	5.1
SSE	1.6	3.8	3.1	1.9	.4	.3						11.1	8.2
S	2.6	3.8	5.0	4.9	1.6	.1						17.9	5.2
SSW	2.1	1.8	1.9	1.0	.2							6.0	7.3
SW	.3	.8	.4									1.6	5.3
WSW	.3	.6	.2									1.1	4.5
W	.9	1.3	.4									2.7	4.6
WSW	.2	.7	.2	.4								1.6	7.2
W	.2	1.1	1.2	.3	.1							3.0	7.7
WNW	.6	.7	.8	1.3	.8	.4						5.3	10.0
VARIABLE													
CALM	////////////////////											11.9	////
TOTALS	14.7	21.0	24.8	17.0	4.4	1.1	.1	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(UT): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.1	1.1	4.1	3.2	1.2	1.0						17.8	10.3
NNE	1.1	1.8	3.2	2.8	.2	.1	.1					9.3	9.1
NE	.9	1.3	.6	.2	.2							3.7	6.0
NNE	1.0	1.0	.3	.1								2.4	4.8
E	1.3	2.2	.4									4.0	4.4
ESE	.9	1.8	.4									3.0	5.0
SE	1.6	1.1	.6	.2								3.4	4.8
SSE	1.2	3.3	1.8	2.1	.4	.3						9.2	8.5
S	2.8	4.6	4.2	5.1	.8	.2						17.7	8.8
SSW	.9	1.4	1.1	.4		.2						4.1	7.3
SW	.4	1.0	.2	.3								2.0	5.8
WSW	.6	.8	.6									1.9	4.4
W	.6	1.0	.7									1.9	4.9
WNW	.7	.4	.4	.6								2.1	7.1
NW	.1	.9	.8	.2	.4	.2						2.7	10.6
NNW	.7	1.3	1.2	2.4	.9	.2						6.8	11.0
VARIABLE													
CALM	////////////////////											12.4	////
TOTALS	15.7	27.1	20.3	17.8	4.2	2.3	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.3	2.9	4.2	4.8	1.7	.7	.1		15.7	10.8
NNE	.9	2.7	2.6	2.1	.2				8.4	6.3
NE	1.0	.9	.6	.4					2.9	5.7
ENE	1.1	1.1	1.0						3.2	5.2
E	1.9	.8	.9	.2					3.8	4.7
ESE	.9	.7	.9						2.4	5.6
SE	.7	1.3	.8	.6	.1				3.4	6.7
SSE	1.1	4.4	2.3	1.3					9.2	6.8
S	2.9	3.6	4.0	5.9	1.3	.2			17.9	9.5
SSW	.9	1.2	.8	.2	.2	.1			3.4	7.2
SW	.7	.9	.4						2.0	4.6
WSW	.6	.7	.3	.1					1.7	5.1
W	.6	1.0	.3						1.9	4.4
WNW	.7	.4	.7	.3					2.1	6.1
NW	.3	1.0	.6	.7	.4	.3			3.3	10.7
NNW	.7	1.2	1.7	2.2	.6	.3			6.7	10.5
VARIABLE										
CALM	////////////////////								11.9	////
TOTALS	16.1	24.8	22.0	16.9	4.6	1.7	.1		100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/CIAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.1	2.1	3.8	7.3	2.6	.6	.1					17.6	11.9
NNE	.7	1.2	2.6	2.4		.2						7.1	9.7
NE	.3	.4	1.0									1.6	6.4
NNE	.6	.7	.4	.2								1.9	5.8
E	.7	.8	1.8	.6								3.8	7.7
ESE	.8	1.0	.9	.4								3.1	6.7
SE	.6	1.9	.9	.6								3.9	6.6
SSE	.9	1.6	3.2	2.2	.4							8.3	8.9
S	2.3	3.3	4.3	6.6	2.7	.7	.1					20.0	10.9
SSW	.9	1.7	2.6	1.9	.6	.2	.1					7.9	9.9
SW	.4	.7	.8		.1							2.0	6.2
WSW	.3	.6	.8	.4								2.1	7.2
W	.9	.9	1.0	.6								3.3	6.6
WNW		.4	.7	.1								1.2	7.1
W	.4	.6	1.3	1.1	.2							3.7	9.3
WNW	1.3	1.2	1.9	2.7	.6	.9						8.6	11.0
VARIABLE													
CALM	////////////////////											3.8	////
TOTALS	12.7	19.0	27.9	27.1	7.1	2.6	.3					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	.9	5.1	8.1	2.0	.4						17.2	12.0
NNE	.3	.9	1.8	3.2	.2	.2						6.7	10.9
NE	.4	1.1	.4	.3	.1							2.4	6.8
NNE	.6	.1	.6	.2								1.4	6.5
E	.4	.7	.9	.4								2.4	7.1
ESE	.1	.6	.8	.6								2.0	6.2
SE	.8	.7	1.3	.4	.1							3.3	7.3
SSE	.3	.9	2.7	2.4	.7	.1						7.1	10.4
S	1.3	2.9	3.8	7.3	3.2	1.4	.1					20.1	12.4
SSW	.8	2.3	1.9	4.0	1.3	.8						11.1	11.3
SW	.8	.9	1.7	1.1	.1							4.6	8.0
WSW	.3	1.1	.9	.6								2.9	7.2
W	.9	.8	.6	.8								3.0	6.9
WNW	.2	.6	1.3	.1	.3							2.6	6.8
NW		.4	1.0	1.0	.6	.7						3.7	12.7
NNW	.6	1.7	1.8	2.3	.9	.8						8.0	11.4
VARIABLE													
CALM	////////////////////											1.9	////
TOTALS	8.6	16.4	26.4	33.0	9.6	4.0	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			56
N	.8	2.3	5.7	7.4	1.6	.9	.1					18.3	11.3
NNE	.6	.9	3.6	2.0	.2	.1						7.3	5.5
NF	.9	.9	.7		.2							2.6	6.2
ENE	.2	1.2	.6									2.7	5.7
E	.7	.4	.3	.1								1.6	5.0
ESE	.6	1.1	.9	.3								2.9	6.6
SE	.2	.3	1.4	.3								2.3	5.9
SSE	.9	1.7	1.9	3.0	.7	.1						9.2	9.8
S	1.4	2.7	5.0	7.4	3.8	.9						21.2	11.7
SSW	1.2	2.4	3.2	1.2	.3	.1						8.6	8.0
SW	.6	.7	1.0	.9	.2		.1					3.9	8.1
WSW	.2	1.2	.9	.3								2.7	7.0
W	1.0	1.0	.6	.3								2.9	5.8
WNW	.3	.4	1.1	.7	.2							2.8	5.0
W	.1	.8	.9	.6	.6							2.9	10.7
WNW	.1	1.4	2.1	2.1	.6	.4						6.9	11.0
VARIABLE													
CALM	////////////////////											3.6	////
TOTAL	9.7	14.6	29.8	26.9	8.3	2.1	.2					102.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.9	3.9	5.4	3.8	.9	.4	.3					16.7	9.5
NNE	.8	1.0	2.9	1.4	.3							6.4	8.7
NE	1.0	1.3	.3	.1								2.8	4.8
ENE	1.1	1.3	.2									2.7	4.0
E	.8	2.0	1.0									3.8	5.4
ESE	.8	1.9	.6	.1								3.3	5.2
SE	1.2	1.2	1.7	.1								4.2	5.8
SSE	2.7	4.4	3.1	2.6	.2							13.0	7.1
S	2.8	4.7	3.9	4.6	.7	.1	.1					16.8	8.5
SSW	.3	2.0	.7	.1	.1							3.2	6.0
SW	.2	.2	.1	.1								.7	6.3
WSW	.1	.1	.1		.2							.6	11.4
W		1.1	.3	.3	.1							1.9	7.7
WNW		.3	.3	.1	.1		.1					1.0	11.3
NW	.7	.8	1.0	.7								3.1	7.3
NNW	.8	2.0	1.3	1.3	.3	.2						6.0	8.4
VARIABLE													
CALM	////////////////////											13.9	////
TOTALS	15.1	28.3	23.0	15.3	3.0	.8	.6					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.6	2.6	4.0	4.9	1.0	.1	.3					14.4	10.1
NNE	.8	2.1	2.6	1.2		.1						6.6	7.9
NE	1.3	1.1	1.2	.3								4.0	6.0
NNE	.9	1.0	.8									2.7	5.1
E	1.0	2.9	.2									4.1	4.4
ESE	.9	.9	.6									2.3	4.4
SE	1.0	2.0	1.6	.3								4.9	6.0
SSE	1.4	4.1	3.9	1.7	.2	.1						11.4	7.4
S	2.8	3.4	4.7	5.9	1.3	.8						18.9	9.8
SSW	.7	1.0	.8	.8								3.2	6.9
SW	.4	.4	.2									1.1	3.8
WSW	.1	.3										.4	4.0
W	.8	.6	.3	.1		.1						1.9	5.9
WNW	.4	.7	.3	.1	.3		.1					2.0	6.8
NW	.3	1.4	2.1	.9	.1							4.9	8.3
NNW	.2	1.2	.9	1.2	.8							4.3	10.6
VARIABLE													
CALM	////////////////////											12.6	////
TOTALS	14.7	25.8	24.1	17.4	3.8	1.2	.4					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOHAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.2	2.6	4.6	5.5	1.5	.5	.1	.0				16.0	10.8
NNE	.8	1.6	2.8	2.1	.2	.1	.0					7.6	8.9
NE	.7	1.0	.7	.2	.1							2.7	6.2
NNE	.7	.9	.6	.1								2.4	5.2
E	1.0	1.5	.7	.2								3.4	5.2
ESE	.7	1.1	.7	.2								2.7	5.7
SE	.9	1.2	1.2	.3	.0							3.7	6.2
SSE	1.3	3.0	2.7	2.2	.4	.1						9.7	8.2
S	2.4	3.6	4.4	6.0	1.9	.6	.0					18.8	10.2
SSW	.8	1.7	1.6	1.2	.3	.2	.0					5.9	8.7
SW	.5	.7	.6	.3	.1		.0					2.2	6.9
WSW	.3	.7	.5	.2	.0							1.7	6.4
W	.7	1.0	.5	.3	.0	.0						2.4	5.9
WNW	.3	.5	.6	.3	.1		.0					1.9	8.1
W	.3	.9	1.1	.7	.3	.1						3.3	9.5
WNW	.6	1.3	1.5	2.0	.7	.4						6.5	10.8
VARIABLE													
CALM	////////////////////////////////////										9.0	////	
TOTALS	13.3	23.4	24.8	21.7	5.6	2.0	.2	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.6	3.0	3.9	6.5	1.7							16.7	10.3
NNE	.5	1.5	1.9	1.3	.5	.1						5.9	9.4
NE	.4	1.0	1.6	.3								3.3	6.9
NNE	.8	1.2	1.0	.2								3.1	5.6
E	1.6	1.1	.4	.1								3.2	4.3
ESE	.5	1.3		.1								1.9	4.1
SE	.5	1.5	.5	.2								2.8	5.5
SSE	.9	3.0	1.5	1.9	.5							7.8	8.4
S	2.8	4.2	3.8	4.7	1.9	.5						18.0	9.5
SSW	1.3	2.4	1.9	1.1	.2							6.9	7.0
SW	.5	1.4	.8	.1								2.8	5.7
WSW	.2	1.0	.2									1.4	5.1
W	.3	.9	.2	.1	.3							1.8	7.6
WNW	.2	1.1	.1			.3						1.7	7.9
NW	.2	1.6	1.1	.3	.2							3.4	7.9
NNW	.5	1.4	1.4	3.0	1.0	.3						7.6	11.4
VARIABLE													
CALM	////////////////////////////////////											11.5	////
TOTALS	13.0	27.4	20.3	20.0	6.5	1.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.2	3.2	3.0	7.8	2.8	.2						19.2	10.9
NNE	1.1	1.2	1.8	.9	.3							5.3	7.8
NE	.3	1.0	1.8	.6								3.8	7.7
NNE	.6	.9	.9	.1								2.5	5.9
E	1.0	1.1	.6	.1								2.8	5.1
ESE	.8	1.6	.5	.1								3.0	4.8
SE	.5	1.2	.3	.2								2.3	5.3
SSE	.8	3.7	2.4	.8	.8							8.3	7.7
S	3.7	4.1	4.4	3.5	1.5	.3						17.5	8.6
SSW	1.3	2.3	1.2	1.3	.4							6.5	7.9
SW	.8	1.1	.3	.3								2.5	5.5
WSW	.4	1.0	.3									1.7	5.2
W	.8	.8	.4									1.9	4.7
WNW	.1	.5	.1	.2	.1							1.1	8.0
NW	.3	2.0	1.5	.5	.3							4.7	7.7
NNW	.6	1.7	2.2	2.9	.8	.2						8.4	10.6
VARIABLE													
CALM	////////////////////											8.6	////
TOTALS	15.2	27.2	21.8	19.5	7.0	.8						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.4	3.2	4.0	10.4	2.2	.4						21.6	11.3
NNE	.3	1.2	1.8	.9	.2							4.4	8.9
NE	.2	.9	1.3	.9		.2						3.4	9.5
NNE	.2	1.0	.9	.3								2.4	6.7
E	.9	1.3	.3									2.5	4.3
ESE	.9	.8	.6	.2								2.5	5.6
SE	1.2	1.9	1.1	.1								4.3	5.2
SSE	1.4	3.0	3.3	1.1	.3							9.1	7.4
S	2.4	3.2	4.0	3.3	1.2	.3						14.4	8.9
SSW	.4	2.6	1.5	1.3	.3							6.1	8.1
SW	.8	1.1	.5	.1								2.5	5.3
WSW	.5	.4	.1									1.1	3.9
W	1.0	1.0	.9	.4								3.2	6.2
WNW	.6	.5	.5		.1							1.8	5.8
NW	.8	1.2	1.4	.4	.1	.2						4.1	8.1
NNW	1.5	.8	1.9	2.0	.8	.7						7.2	9.9
VARIABLE													
CALM	////////////////////											9.4	////
TOTALS	14.4	24.0	24.2	21.5	5.2	1.4						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.6	3.1	5.6	8.6	2.3	.8						21.0	11.6
NNE	.2	1.4	1.8	2.2	.5	.3						6.5	10.9
NE	.6	1.2	.9	1.1								3.8	7.3
ENE	.2	.4	1.3	.1								2.0	7.5
E	.5	1.6	.8	.2								3.1	5.8
ESE	.3	.9	.8	.4								2.4	7.1
SE	.9	.6	1.6	.5								3.7	6.9
SSE	.2	1.4	3.0	1.8	.2	.1						6.8	9.6
S	1.0	2.9	4.0	5.5	2.2	1.0						16.5	11.6
SSW	.8	1.2	1.7	1.4	.8	.3						6.1	10.2
SW	1.0	.4	.6	.6	.1							2.8	6.7
WSW	.2	.5	.8									1.5	6.5
W	.9	1.1	.4	.2	.1							2.7	5.3
WNW	.5	1.0	.4	.5	.1							2.6	7.7
NW	.6	.8	1.1	1.2	.4							4.1	9.1
NNW	.9	1.2	1.9	3.5	1.5	.2						9.2	11.4
VARIABLE													
CALM	////////////////////											5.4	////
TOTALS	9.5	19.7	26.7	28.0	8.2	2.7						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.4	2.7	5.2	8.8	3.4	.6	.1					21.3	12.6
NNE	.3	1.3	1.3	2.4	.5	.1						5.9	11.0
NE	.3	1.0	1.0	.5	.1							2.9	7.6
NNE		.8	.9	.2								1.8	7.6
E	.8	.9	.2									1.8	3.8
ESE	.4	.3	.3	.2								1.3	6.3
SE	.3	.3	.6	.4								1.7	8.1
SSE	.6	1.5	1.1	2.7	.5	.1						6.6	10.4
S	.5	1.9	4.0	5.9	2.6	1.8	.2					17.0	13.2
SSW	.3	2.0	3.0	2.0	1.5	.3						9.2	10.9
SW	1.4	1.1	.9	1.6	.2							5.2	8.1
WSW	.5	.5	.6	.2	.1							2.0	6.7
W	.3	1.5	.9	.1								2.8	6.0
WNW		.9	.9	.6		.1						2.5	9.6
NW	.9	.9	.8	2.2	.6	.2						5.5	10.6
NNW	.3	1.2	1.2	4.3	1.5	.3						8.8	12.6
VARIABLE													
CALM	////////////////////////////////////											3.7	////
TOTALS	7.5	18.7	22.7	32.3	11.2	3.7	.3					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.5	2.8	6.0	8.7	2.5	.2						20.8	11.5
NNE	.6	1.4	1.9	2.5	1.0							7.4	10.3
NE	.3	.5	1.1	.5	.1							2.6	8.0
NNE	.9	.6	.3									1.8	4.1
E	.8	1.1	.2									2.0	4.3
ESE	.3	.9	.3		.1							1.6	6.0
SE	.8	1.2	.6	.3								2.9	5.9
SSE	.5	1.0	1.8	2.0	.5	.1						6.0	10.4
S	2.5	2.2	4.7	5.8	2.5	.8	.1					18.5	11.2
SSW	.8	1.7	2.9	2.6	1.2							9.1	10.2
SW	.8	.6	.9	1.0	.1							3.3	6.1
WSW	.2	1.0	.8	.5								2.5	7.5
W	.2	1.2	.8	.3								2.5	6.7
WNN	.2	.6	.4	.1		.1						1.5	7.5
NW	.3	1.0	.9	1.3	.3	.1						3.9	9.9
NNW	.4	.5	2.4	5.2	1.5	.5						10.5	12.7
VARIABLE													
CALM	////////////////////											3.0	////
TOTALS	10.1	18.3	26.0	30.9	9.8	1.8	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFLIAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 1800-2000

DIRECTION (DEGRE(S))	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.5	3.8	4.9	5.5	1.4	.5						17.6	10.1
NNE	1.1	2.6	2.5	1.9	.5							8.6	8.5
NE	.8	.6	.8	.5								2.7	6.5
NNE	.3	1.1	.4									1.8	5.5
E	1.4	1.4	.3									3.1	4.2
ESE	.6	1.3	.8	.2								2.9	5.7
SE	.3	1.9	1.3	.3								3.9	6.3
SSE	1.9	2.8	3.2	1.3		.1						9.4	6.9
S	3.0	3.7	4.4	3.9	1.6	.1						16.7	8.8
SSW	1.3	1.8	1.1	1.3	.3							5.8	7.3
SW	.3	.8	.5									1.6	5.3
WSW	.6	.2										.9	2.8
W	.5	.3	.3		.1							1.3	6.0
WNW	.2	.4	.3	.2								1.2	6.8
NW	.2	1.4	.9	.1								2.6	6.2
NNW	.6	2.0	2.0	3.7	.6							9.1	10.1
VARIABLE													
CALM	////////////////////											10.8	////
TOTALS	14.9	26.7	23.7	19.0	4.6	.8						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.4	2.0	5.5	4.9	1.8							16.6	9.7
NNE	.6	1.6	2.0	1.6	.3							6.3	8.6
NE	.8	.6	1.5	.8								3.7	7.4
ENE	.4	1.5	.5									2.5	5.1
E	1.2	1.7	.5									3.5	4.7
ESE	.8	1.0	.6	.2								2.6	5.7
SE	.2	2.0	1.0	.1								3.3	5.7
SSE	1.1	1.9	2.4	2.9	.1							8.4	8.7
S	2.8	4.0	5.6	3.8	1.6	.4						18.2	9.0
SSW	.9	1.8	2.0	1.2	.3							6.3	7.7
SW	.6	1.1	.5									2.3	4.9
WSW	.3	.6	.3	.1								1.4	5.7
W	.4	.9		.2								1.5	5.4
WNW	.4	.5	.1	.1								1.2	5.2
NW	.2	.6	1.0	.2								2.0	7.2
NNW	.9	2.3	1.5	3.0	1.2							8.8	10.3
VARIABLE													
CALM	////////////////////											11.4	////
TOTALS	13.1	25.4	25.2	19.1	5.4	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724565 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.2	3.1	4.7	7.7	2.3	.3	.0					19.3	11.1
NNE	.6	1.5	1.9	1.7	.5	.1						6.3	9.4
NE	.5	.8	1.2	.7	.0	.0						3.3	7.6
NNE	.4	.9	.8	.1								2.2	6.0
E	1.0	1.3	.4	.1								2.8	4.6
ESE	.6	1.0	.5	.2	.0							2.3	5.6
SE	.6	1.3	.9	.3								3.1	6.0
SSE	.9	2.3	2.3	1.8	.4	.1						7.8	8.5
S	2.3	3.3	4.4	4.6	1.9	.7	.0					17.1	10.1
SSW	.9	2.0	1.9	1.5	.6	.1						7.0	8.8
SW	.8	.9	.6	.5	.1							2.9	6.6
WSW	.4	.7	.4	.1	.0							1.6	5.8
W	.6	.9	.5	.2	.1							2.2	6.0
WNW	.3	.7	.4	.2	.0	.1						1.7	7.5
NW	.4	1.2	1.1	.8	.3	.1						3.8	8.6
NNW	.7	1.4	1.8	3.5	1.1	.2						8.7	11.2
VARIABLE													
CALM	////////////////////											8.0	////
TOTALS	12.7	23.4	23.8	23.8	7.2	1.6	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 7434



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: ALL HOURS(LOCAL): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.1	2.3	3.3	3.7	1.0	.7	.0	.0				11.7	13.1
NNE	.8	1.6	1.8	1.2	.2	.0	.0					5.8	8.2
NE	.8	1.5	1.1	.5	.1	.0						4.0	6.5
NNE	1.0	1.5	1.0	.3	.0	.0						3.8	5.8
E	1.6	2.3	1.4	.3	.0	.0						5.7	5.6
ESE	1.0	1.4	1.0	.3	.0	.0	.0					3.7	5.9
SE	1.0	1.9	1.6	.7	.1	.0	.0					5.3	6.8
SSE	1.2	2.8	3.6	2.9	.6	.1	.0					11.1	8.9
S	1.7	3.4	5.2	6.7	2.1	.6	.0					19.9	10.7
SSW	.7	1.4	1.7	1.7	.5	.1	.0	.0				6.1	9.7
SW	.5	.7	.7	.5	.1	.0	.0					2.4	7.6
WSW	.4	.6	.4	.2	.0	.0	.0					1.6	6.4
W	.5	.7	.4	.2	.0	.0	.0					1.9	6.4
WNW	.3	.5	.4	.2	.1	.0	.0					1.5	8.0
W	.3	.7	.7	.6	.2	.1	.0	.0				2.6	9.2
WNW	.5	1.1	1.3	1.6	.5	.2	.0	.0				5.2	10.1
VARIABLE													
CALM	////////////////////////////////////											7.9	////
TOTALS	13.3	24.3	25.8	21.6	5.5	1.5	.1	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 87642

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: ALL HOURS(IST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE  
 AND/OR  
 CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	2.5	6.5	9.4	2.6	.8	.1					22.8	11.9
NNE	.7	2.1	4.4	3.8	.8	.1	.0					12.0	10.0
NE	.7	2.0	2.4	1.1	.2	.0						6.4	7.9
ENE	.7	1.8	1.7	.8	.1							5.1	7.2
E	1.3	2.7	1.9	.9	.1	.1						6.4	6.7
ESE	.7	1.4	1.2	.9	.0							3.7	6.5
SE	.6	1.0	1.5	.7	.1		.0					4.2	7.5
SSE	.5	2.0	2.4	2.2	.4	.1	.0					7.6	9.3
S	.8	1.9	2.8	3.2	1.2	.3	.0					10.2	10.7
SSW	.7	.7	.9	.7	.4	.1						3.1	9.6
SW	.2	.4	.3	.2	.0							1.2	7.0
WSW	.1	.3	.3	.1	.0							.8	6.7
W	.3	.3	.3	.2	.1							1.2	7.2
WNW	.1	.3	.4	.3	.1	.0	.0					1.3	9.7
W	.2	.5	.8	.8	.7	.1						2.7	10.3
WNW	.2	1.0	1.9	2.5	.8	.3	.0					6.8	11.8
VARIABLE													
CALM	////////////////////////////////////											4.7	////
TOTAL	3.3	21.0	29.6	27.3	7.0	1.9	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 9427

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 0$	
NO CEILING															
$\geq 1800$															
$\geq 1500$					91.0										92.6
$\geq 1200$															
$\geq 1000$															
$\geq 900$															
$\geq 800$															
$\geq 700$															
$\geq 600$															
$\geq 500$										97.4					98.1
$\geq 400$															
$\geq 300$															
$\geq 200$															
$\geq 100$															
$\geq 0$					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  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.6	61.8	62.5	62.7	62.8	63.1	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5
GE 20000	30.2	65.7	66.8	67.1	67.4	67.7	67.8	68.0	68.1	68.2	68.3	68.4	68.4	68.2	68.2	68.2	68.3
GE 18000	30.2	65.9	67.0	67.3	67.6	68.0	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5
GE 16000	30.2	66.0	67.1	67.4	67.7	68.1	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6
GE 14000	30.2	66.0	67.1	67.4	67.7	68.1	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6
GE 12000	30.4	66.2	67.3	67.6	68.0	68.3	68.4	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
GE 10000	31.6	68.1	69.1	69.5	69.8	70.1	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6
GE 9000	31.8	68.4	69.5	69.8	70.1	70.4	70.5	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0
GE 8000	31.9	69.2	70.3	70.6	71.0	71.3	71.4	71.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
GE 7000	32.2	69.7	70.8	71.1	71.4	71.7	71.8	71.9	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5
GE 6000	32.6	70.6	71.9	72.3	72.6	72.9	73.0	73.1	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7
GE 5000	33.0	72.2	73.7	74.0	74.3	74.6	74.7	74.8	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
GE 4500	33.2	73.1	74.7	75.1	75.4	75.7	75.8	75.9	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.5
GE 4000	33.3	73.9	75.5	75.8	76.1	76.5	76.6	76.7	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
GE 3500	33.4	74.2	75.8	76.1	76.5	76.8	76.9	77.0	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5
GE 3000	33.8	75.6	77.2	77.5	78.0	78.3	78.4	78.5	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
GE 2500	34.0	76.8	78.4	79.0	79.5	79.8	79.9	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
GE 2000	34.3	77.4	79.1	80.3	80.8	81.1	81.3	81.4	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
GE 1800	34.3	77.8	79.6	80.9	81.3	81.6	81.8	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
GE 1500	34.4	78.8	80.9	82.3	83.0	83.3	83.5	83.7	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3
GE 1200	34.4	79.6	81.7	83.4	84.5	84.8	85.3	85.9	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7
GE 1000	34.4	80.6	82.8	84.7	85.9	86.5	87.0	87.7	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
GE 900	34.4	81.2	83.5	85.7	86.9	87.4	88.1	88.8	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
GE 800	34.4	81.5	84.4	86.7	87.8	88.7	89.4	90.1	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2
GE 700	34.4	81.6	84.7	87.0	88.3	89.1	89.8	90.6	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
GE 600	34.4	82.0	85.5	88.4	90.0	90.9	91.6	92.5	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5
GE 500	34.4	82.0	85.7	89.0	91.0	91.9	92.8	93.7	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
GE 400	34.4	82.6	86.2	89.8	92.2	93.1	94.0	94.9	95.4	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.5
GE 300	34.4	82.6	86.3	89.9	92.3	93.3	94.3	95.4	96.0	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.7
GE 200	34.4	82.6	86.3	89.9	92.3	93.3	94.3	95.4	96.1	97.8	98.5	98.5	99.0	99.1	99.1	99.1	99.2
GE 100	34.4	82.6	86.3	89.9	92.3	93.3	94.3	95.4	96.1	98.1	98.7	98.7	99.4	99.5	99.8	100.0	
GE 0	34.4	82.6	86.3	89.9	92.3	93.3	94.3	95.4	96.1	98.1	98.7	98.7	99.4	99.5	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS (LST): U300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.7	59.9	60.3	60.8	61.1	61.1	61.2	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.9
GE 20000	29.7	63.2	64.2	64.7	65.1	65.1	65.3	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8	66.0
GE 18000	29.7	63.5	64.5	65.1	65.4	65.4	65.6	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.3
GE 16000	29.7	63.7	64.6	65.2	65.5	65.5	65.7	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.2	66.5
GE 14000	29.7	63.9	64.8	65.4	65.7	65.7	65.9	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.5	66.7
GE 12000	29.8	64.0	64.9	65.5	65.8	65.8	66.0	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.6	66.8
GE 10000	30.2	64.9	66.0	66.6	66.9	66.9	67.1	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.8
GE 9000	30.2	64.9	66.0	66.6	66.9	66.9	67.1	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.8
GE 8000	30.5	66.2	67.3	67.8	68.2	68.2	68.4	68.7	68.7	68.7	68.8	68.8	68.8	68.8	69.0	69.2
GE 7000	30.5	66.7	67.7	68.5	68.8	68.8	69.0	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.7	69.9
GE 6000	30.9	67.5	68.6	69.5	69.8	69.9	70.1	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.8	71.0
GE 5000	31.3	68.8	70.0	70.9	71.2	71.3	71.6	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.3	72.5
GE 4500	31.6	69.9	71.1	72.2	72.5	72.7	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.7	73.9
GE 4000	32.0	70.5	71.8	72.9	73.2	73.4	73.8	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.4	74.6
GE 3500	32.4	71.0	72.6	73.7	74.0	74.2	74.5	74.8	74.8	74.8	74.9	74.9	74.9	74.9	75.2	75.4
GE 3000	33.0	72.8	74.4	75.5	76.0	76.2	76.6	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.2	77.4
GE 2500	33.3	73.5	75.4	76.9	77.7	78.0	78.4	78.8	78.8	78.8	78.9	78.9	78.9	78.9	79.1	79.4
GE 2000	33.5	74.6	76.6	78.3	79.1	79.4	79.8	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.6	80.9
GE 1800	33.7	74.8	76.8	78.5	79.4	79.6	80.0	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.9	81.1
GE 1500	33.8	76.0	78.5	80.2	81.2	81.4	81.8	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.7	82.9
GE 1200	33.9	77.0	79.5	81.3	82.3	82.5	83.1	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.2	84.4
GE 1000	33.9	78.5	81.2	83.3	84.5	84.8	85.9	86.7	86.7	86.8	87.0	87.0	87.1	87.1	87.3	87.5
GE 900	33.9	79.1	82.0	84.2	85.5	85.8	86.9	87.6	87.6	87.7	88.0	88.0	88.1	88.1	88.3	88.5
GE 800	33.9	79.5	82.5	85.3	86.6	86.9	88.0	88.8	88.9	89.0	89.2	89.2	89.4	89.4	89.6	89.8
GE 700	33.9	79.6	82.7	85.7	87.0	87.3	88.4	89.4	89.5	89.6	89.8	89.8	89.9	89.9	90.1	90.3
GE 600	33.9	80.3	83.5	86.9	89.1	89.5	90.5	91.6	91.7	91.9	92.2	92.2	92.3	92.3	92.5	92.7
GE 500	33.9	80.6	84.0	87.4	90.0	90.4	91.8	92.9	93.0	93.3	93.5	93.5	93.7	93.7	93.9	94.1
GE 400	33.9	80.9	84.4	87.8	91.1	91.8	93.2	94.4	94.5	95.2	95.7	95.8	96.0	96.0	96.2	96.5
GE 300	33.9	80.9	84.5	88.0	91.2	92.0	93.7	94.8	95.1	96.3	97.0	97.1	97.3	97.3	97.5	98.0
GE 200	33.9	80.9	84.5	88.0	91.2	92.0	93.7	94.8	95.2	96.7	97.3	97.4	98.1	98.1	98.3	98.7
GE 100	33.9	80.9	84.5	88.0	91.2	92.0	93.7	94.8	95.3	96.8	97.5	97.6	98.4	98.4	98.9	99.6
GE 0	33.9	80.9	84.5	88.0	91.2	92.0	93.7	94.8	95.3	97.0	97.7	97.8	98.6	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.1	54.4	54.7	55.6	55.7	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.2	56.2	56.2	56.6
GE 20000	26.8	59.4	59.9	60.8	60.9	61.0	61.0	61.0	61.1	61.1	61.2	61.2	61.4	61.4	61.4	61.7
GE 18000	26.8	59.6	60.1	61.0	61.1	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.6	61.6	61.6	61.9
GE 16000	26.8	59.6	60.1	61.0	61.1	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.6	61.6	61.6	61.9
GE 14000	27.1	60.0	60.5	61.4	61.5	61.6	61.6	61.6	61.7	61.7	61.8	61.8	62.0	62.0	62.0	62.4
GE 12000	27.1	60.3	60.9	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.2	62.2	62.4	62.4	62.4	62.7
GE 10000	28.3	62.9	63.5	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.8	64.8	65.1	65.1	65.1	65.4
GE 9000	28.3	62.9	63.5	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.8	64.8	65.1	65.1	65.1	65.4
GE 8000	29.4	65.3	66.1	67.0	67.1	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.6	67.6	67.6	68.0
GE 7000	29.5	65.4	66.3	67.2	67.3	67.4	67.4	67.4	67.5	67.5	67.6	67.6	67.8	67.8	67.8	68.2
GE 6000	29.9	66.3	67.4	68.3	68.4	68.5	68.5	68.5	68.6	68.6	68.7	68.7	68.9	68.9	68.9	69.2
GE 5000	30.5	67.6	68.7	69.6	69.8	69.9	69.9	69.9	70.0	70.0	70.1	70.1	70.3	70.3	70.3	70.6
GE 4500	30.9	69.0	70.3	71.3	71.5	71.6	71.6	71.6	71.7	71.7	71.8	71.8	72.0	72.0	72.0	72.4
GE 4000	31.2	69.8	71.1	72.0	72.3	72.4	72.4	72.4	72.5	72.5	72.6	72.6	72.8	72.8	72.8	73.1
GE 3500	31.4	70.5	71.9	72.9	73.1	73.2	73.2	73.2	73.3	73.3	73.4	73.4	73.7	73.7	73.7	74.0
GE 3000	31.6	71.7	73.3	74.4	74.6	74.7	74.7	74.7	74.8	74.8	74.9	74.9	75.2	75.2	75.2	75.5
GE 2400	32.4	73.2	75.1	76.1	76.5	76.7	76.8	76.9	77.1	77.1	77.2	77.2	77.4	77.4	77.4	77.7
GE 2000	32.9	74.6	76.5	77.5	78.0	78.2	78.3	78.4	78.7	78.7	78.8	78.8	79.0	79.0	79.0	79.4
GE 1800	33.3	75.2	77.3	78.4	78.8	79.0	79.1	79.2	79.6	79.6	79.7	79.7	79.9	79.9	79.9	80.2
GE 1600	33.4	76.0	78.4	79.6	80.1	80.3	80.4	80.6	81.1	81.2	81.3	81.3	81.5	81.5	81.5	81.8
GE 1200	33.5	76.8	79.2	80.6	81.2	81.5	81.8	82.2	82.6	82.7	82.8	82.8	83.0	83.0	83.0	83.3
GE 1000	33.7	77.5	80.1	81.7	82.3	82.6	82.9	83.2	83.7	84.0	84.1	84.2	84.4	84.4	84.4	84.7
GE 900	33.7	78.0	80.6	82.4	82.9	83.2	83.7	84.0	84.4	84.8	84.9	84.9	85.2	85.2	85.2	85.5
GE 800	33.7	78.5	81.5	83.3	83.9	84.2	84.6	84.9	85.4	85.9	86.0	86.0	86.2	86.2	86.2	86.6
GE 700	33.7	79.0	82.7	84.8	86.0	86.3	86.8	87.1	87.5	88.1	88.2	88.2	88.4	88.4	88.4	88.7
GE 600	33.7	79.4	83.3	85.8	88.0	88.3	88.9	89.5	89.9	90.5	90.6	90.6	90.9	90.9	90.9	91.2
GE 500	33.7	79.4	83.4	86.2	88.6	89.0	90.0	90.6	91.3	92.0	92.3	92.3	92.5	92.5	92.5	92.8
GE 400	33.7	79.6	83.7	86.5	89.8	90.4	91.9	92.8	93.5	94.3	94.5	94.5	94.7	94.7	94.7	95.1
GE 300	33.7	79.7	83.9	86.7	90.0	90.9	92.7	93.7	94.6	95.7	96.2	96.3	96.7	96.7	96.7	97.0
GE 200	33.7	79.7	83.9	86.7	90.0	90.9	92.9	94.0	95.3	96.6	97.2	97.3	97.7	97.7	97.8	98.3
GE 100	33.7	79.7	83.9	86.7	90.0	90.9	92.9	94.0	95.3	96.8	97.5	97.7	98.2	98.4	98.6	99.5
GE 0	33.7	79.7	83.9	86.7	90.0	90.9	92.9	94.0	95.3	96.8	97.5	97.7	98.2	98.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.9	54.3	55.2	55.4	55.6	55.6	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.5
GE 20000	28.1	60.3	61.2	61.4	61.6	61.6	62.0	62.0	62.0	62.0	62.2	62.2	62.3	62.3	62.4	62.7
GE 18000	28.1	60.4	61.3	61.5	61.7	61.7	62.2	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.5	62.8
GE 16000	28.1	60.5	61.4	61.6	61.8	61.8	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.6	62.9
GE 14000	28.6	61.1	61.9	62.2	62.4	62.4	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.1	63.4
GE 12000	28.8	61.6	62.5	62.7	62.9	62.9	63.3	63.3	63.3	63.3	63.4	63.4	63.5	63.5	63.7	64.0
GE 10000	30.2	63.8	64.6	64.8	65.1	65.1	65.5	65.5	65.5	65.5	65.6	65.6	65.7	65.7	65.8	66.1
GE 9000	30.2	63.8	64.6	64.8	65.1	65.1	65.5	65.5	65.5	65.5	65.6	65.6	65.7	65.7	65.8	66.1
GE 8000	31.2	65.8	66.9	67.1	67.3	67.3	67.7	67.7	67.7	67.7	67.8	67.8	68.0	68.0	68.1	68.4
GE 7000	31.7	66.5	67.5	67.7	68.0	68.0	68.4	68.4	68.4	68.4	68.5	68.5	68.6	68.6	68.7	69.0
GE 6000	32.2	67.3	68.5	69.0	69.2	69.2	69.7	69.8	69.8	69.8	70.0	70.0	70.1	70.1	70.2	70.5
GE 5000	32.5	69.0	70.5	71.1	71.3	71.3	71.7	71.8	71.8	71.8	72.0	72.0	72.2	72.2	72.3	72.6
GE 4500	32.5	69.0	70.5	71.1	71.3	71.3	71.7	71.8	71.8	71.8	72.0	72.0	72.2	72.2	72.3	72.6
GE 4000	33.1	70.2	71.8	72.5	72.7	72.7	73.1	73.2	73.2	73.2	73.4	73.4	73.5	73.5	73.7	74.0
GE 3500	33.2	70.9	72.6	73.2	73.5	73.5	74.0	74.1	74.1	74.1	74.3	74.3	74.4	74.4	74.5	74.8
GE 3000	33.3	71.2	73.1	74.0	74.4	74.4	74.8	74.9	74.9	75.1	75.3	75.3	75.4	75.4	75.5	75.8
GE 2500	33.9	72.3	74.2	75.1	75.5	75.5	75.9	76.3	76.3	76.5	76.7	76.7	76.8	76.8	76.9	77.2
GE 2000	34.6	73.1	75.2	76.0	76.5	76.5	77.1	77.6	77.6	77.7	78.0	78.0	78.1	78.1	78.2	78.5
GE 1800	34.7	73.7	75.8	76.7	77.1	77.1	77.7	78.4	78.4	78.5	78.7	78.7	78.8	78.8	78.9	79.2
GE 1600	34.7	74.2	76.7	78.3	78.7	78.7	79.4	80.2	80.3	80.5	80.9	80.9	81.0	81.0	81.1	81.4
GE 1400	34.7	75.3	77.7	79.5	80.1	80.1	81.1	82.2	82.3	82.5	82.8	82.8	82.9	82.9	83.0	83.3
GE 1000	34.7	75.5	78.3	80.4	81.3	81.3	82.3	83.4	83.7	84.3	84.7	84.7	84.8	84.8	84.9	85.3
GE 900	34.7	75.8	78.8	81.0	82.3	82.4	83.5	84.8	85.1	85.7	86.1	86.3	86.5	86.5	86.6	86.9
GE 800	34.7	76.1	79.6	82.0	83.4	83.5	84.7	86.3	86.7	87.5	88.0	88.2	88.3	88.3	88.4	88.7
GE 700	34.7	76.5	80.3	82.9	84.9	85.3	86.6	88.4	88.8	89.8	90.2	90.4	90.5	90.5	90.6	91.0
GE 600	34.7	76.6	80.9	83.8	85.9	86.5	87.7	89.6	90.1	91.2	91.6	91.8	91.9	91.9	92.0	92.4
GE 500	34.7	76.6	80.9	83.8	86.1	86.8	88.4	90.4	91.0	92.0	92.6	92.8	92.9	92.9	93.0	93.4
GE 400	34.7	76.8	81.1	84.1	86.9	87.5	89.5	92.0	92.8	93.9	94.4	94.6	94.7	94.7	94.8	95.3
GE 300	34.7	76.8	81.1	84.2	87.1	87.7	89.8	92.5	93.4	95.2	95.9	96.1	96.5	96.5	96.6	97.0
GE 200	34.7	76.8	81.1	84.2	87.1	87.7	89.8	92.6	93.8	95.7	96.8	97.0	97.8	98.0	98.1	98.6
GE 100	34.7	76.8	81.1	84.2	87.1	87.7	89.8	92.6	93.8	95.7	96.8	97.0	98.1	98.2	98.5	99.4
GE 0	34.7	76.8	81.1	84.2	87.1	87.7	89.8	92.6	93.8	95.7	96.8	97.0	98.1	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	25.6	54.0	54.5	54.5	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
GE 20000	28.6	61.8	62.6	62.7	62.9	62.9	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 18000	28.7	62.0	62.8	62.9	63.1	63.1	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
GE 16000	28.9	62.3	63.0	63.1	63.3	63.3	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	
GE 14000	29.1	63.0	63.8	63.9	64.1	64.1	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	
GE 12000	29.5	63.8	64.5	64.6	64.8	64.8	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	
GE 10000	30.9	66.2	67.0	67.1	67.3	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	
GE 9000	31.1	66.6	67.3	67.4	67.6	67.6	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 8000	31.7	68.1	68.8	68.9	69.5	69.5	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	
GE 7000	32.0	68.7	69.5	69.6	70.1	70.1	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	
GE 6000	32.7	69.6	70.3	70.4	71.0	71.0	71.2	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	
GE 5000	32.8	70.5	71.5	71.6	72.2	72.2	72.4	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	
GE 4500	33.2	71.0	72.0	72.2	72.7	72.7	72.9	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	
GE 4000	33.5	71.8	73.7	73.9	74.4	74.4	74.6	74.8	74.9	75.1	75.1	75.2	75.2	75.2	75.2	
GE 3500	33.8	72.3	74.1	74.3	74.8	74.8	75.1	75.3	75.4	75.5	75.5	75.5	75.6	75.6	75.6	
GE 3000	34.0	73.0	75.1	75.5	76.2	76.2	76.5	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.0	
GE 2500	34.7	74.6	76.9	77.3	78.3	78.3	78.5	78.7	78.8	78.9	78.9	79.1	79.1	79.1	79.1	
GE 2000	35.1	75.7	78.3	78.8	79.8	79.8	80.1	80.4	80.5	80.6	80.6	80.9	80.9	80.9	80.9	
GE 1800	35.1	76.1	78.8	79.4	80.3	80.3	80.6	81.0	81.1	81.2	81.2	81.4	81.4	81.4	81.4	
GE 1500	35.4	77.4	80.1	81.1	82.0	82.0	82.5	83.0	83.1	83.2	83.4	83.7	83.7	83.7	83.7	
GE 1200	35.6	78.4	81.4	83.2	84.3	84.3	85.1	85.7	85.9	86.1	86.3	86.3	86.6	86.6	86.6	
GE 1000	35.6	79.9	83.0	85.1	86.5	86.5	87.7	88.4	88.6	88.9	89.6	89.6	89.8	89.8	89.8	
GE 900	35.6	80.4	83.5	85.8	87.4	87.4	88.8	89.5	89.7	90.0	90.6	90.9	90.9	90.9	90.9	
GE 800	35.6	80.6	84.1	86.6	88.3	88.3	89.8	90.8	91.0	91.3	91.9	91.9	92.2	92.2	92.2	
GE 700	35.6	80.8	84.4	87.2	89.4	89.4	91.1	92.0	92.4	92.9	93.5	93.5	93.8	93.8	93.8	
GE 600	35.6	81.0	84.8	88.0	90.3	90.3	92.2	93.1	93.8	94.4	95.2	95.2	95.4	95.4	95.5	
GE 500	35.6	81.1	84.9	88.2	91.0	91.0	93.0	94.2	95.2	96.0	96.8	96.8	97.0	97.0	97.1	
GE 400	35.6	81.1	84.9	88.3	91.2	91.2	93.3	94.6	95.6	96.5	97.2	97.2	97.4	97.4	97.5	
GE 300	35.6	81.1	84.9	88.3	91.2	91.2	93.8	95.3	96.3	97.4	98.3	98.3	98.6	98.6	98.7	
GE 200	35.6	81.1	84.9	88.3	91.2	91.2	93.8	95.3	96.3	97.5	98.5	98.6	99.5	99.5	99.7	
GE 100	35.6	81.1	84.9	88.3	91.2	91.2	93.8	95.3	96.3	97.5	98.5	98.6	99.6	99.6	99.7	
GE 0	35.6	81.1	84.9	88.3	91.2	91.2	93.8	95.3	96.3	97.5	98.5	98.6	99.6	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.3	56.6	56.9	57.1	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 20000	31.2	65.7	66.0	66.2	66.7	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 18000	31.2	66.5	66.8	67.0	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 16000	31.2	66.7	67.0	67.2	67.6	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 14000	31.2	67.0	67.3	67.5	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	31.4	67.2	67.6	68.0	68.4	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 10000	33.1	70.3	71.1	71.5	71.9	72.0	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
GE 9000	33.1	70.4	71.2	71.6	72.0	72.2	72.4	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
GE 8000	33.7	71.8	72.6	73.0	73.4	73.5	73.8	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
GE 7000	33.8	72.4	73.1	73.5	74.0	74.1	74.3	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
GE 6000	33.9	72.7	73.7	74.1	74.5	74.6	74.8	74.8	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1
GE 5000	34.3	73.7	74.6	75.1	75.5	75.6	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
GE 4500	34.6	74.0	74.9	75.4	75.8	75.9	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3
GE 4000	34.7	74.3	75.7	76.2	76.7	76.8	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
GE 3500	34.8	74.8	76.3	76.9	77.4	77.5	77.7	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	35.2	75.7	77.2	77.7	78.5	78.6	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
GE 2500	35.7	77.1	78.7	79.2	80.3	80.4	80.6	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0
GE 2000	35.9	78.6	80.4	81.0	82.0	82.2	82.5	82.7	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0
GE 1800	36.2	79.2	81.1	81.6	82.7	82.9	83.2	83.4	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8
GE 1500	36.3	80.8	82.8	83.3	84.5	84.7	85.1	85.3	85.4	85.5	85.7	85.7	85.8	85.8	85.8	85.8
GE 1200	36.3	81.3	84.1	84.6	85.9	86.1	86.8	87.0	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8
GE 1000	36.3	82.5	85.8	86.8	88.4	88.6	89.5	90.0	90.2	90.5	90.8	90.8	90.9	90.9	90.9	90.9
GE 900	36.3	82.6	86.0	87.1	88.9	89.1	90.0	90.9	91.1	91.4	91.7	91.7	91.8	91.8	91.8	91.8
GE 800	36.3	82.6	86.0	87.3	89.2	89.5	90.3	91.3	91.7	92.2	92.6	92.6	92.8	92.8	92.8	92.8
GE 700	36.3	82.6	86.1	87.6	90.0	90.2	91.3	92.5	93.0	93.4	93.9	93.9	94.1	94.1	94.1	94.1
GE 600	36.3	82.6	86.1	87.8	90.2	90.4	91.6	92.9	93.5	94.3	94.7	94.7	95.1	95.1	95.1	95.1
GE 500	36.3	82.6	86.2	88.2	90.8	91.0	92.3	93.9	95.1	96.0	96.6	96.6	96.9	96.9	96.9	96.9
GE 400	36.3	82.7	86.7	89.0	91.8	92.0	93.3	95.2	96.8	97.8	98.4	98.4	98.7	98.7	98.7	98.7
GE 300	36.3	82.7	86.7	89.0	91.8	92.0	93.3	95.3	96.9	98.0	98.5	98.5	99.0	99.0	99.0	99.0
GE 200	36.3	82.7	86.7	89.0	91.8	92.0	93.3	95.3	97.0	98.2	98.8	98.8	99.4	99.7	99.7	99.7
GE 100	36.3	82.7	86.7	89.0	91.8	92.0	93.3	95.3	97.0	98.2	98.8	98.8	99.4	99.7	99.8	100.0
GE 0	36.3	82.7	86.7	89.0	91.8	92.0	93.3	95.3	97.0	98.2	98.8	98.8	99.4	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.0	58.8	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 20000	30.3	65.3	65.8	65.8	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 18000	30.3	65.6	66.1	66.1	66.3	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 16000	30.3	66.0	66.6	66.6	66.8	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 14000	30.6	66.6	67.1	67.1	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 12000	30.9	67.4	68.0	68.0	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 10000	32.8	70.8	71.4	71.4	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 9000	32.8	70.8	71.4	71.4	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 8000	32.9	71.8	72.5	72.7	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	32.9	71.8	72.5	72.7	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 6000	32.9	71.8	72.6	72.8	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 5000	32.9	72.5	73.2	73.4	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4500	33.0	72.8	73.5	73.8	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4000	33.4	73.5	74.3	74.6	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3500	33.5	74.5	75.3	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3000	33.9	75.8	76.6	77.0	77.2	77.2	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5
GE 2500	34.1	77.6	78.6	79.1	79.6	79.6	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
GE 2000	34.7	79.2	80.9	81.5	81.9	81.9	82.0	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4
GE 1800	34.8	79.6	81.2	81.8	82.3	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
GE 1600	34.8	81.9	83.7	84.8	85.4	85.4	85.5	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 1200	34.8	83.0	84.7	86.0	86.9	87.1	87.2	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 1000	34.8	84.1	86.5	88.2	89.2	89.5	89.9	90.5	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 900	34.8	84.3	86.7	88.5	89.6	90.0	90.4	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8
GE 800	34.8	84.7	87.2	89.2	90.3	90.8	91.3	92.3	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9
GE 700	34.8	84.7	87.2	89.5	90.6	91.2	92.2	93.1	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 600	34.8	85.1	87.8	90.2	91.7	92.5	93.4	94.4	94.6	95.3	95.4	95.4	95.5	95.5	95.5	95.5
GE 500	34.8	85.2	88.2	90.8	92.5	93.2	94.4	95.6	95.9	96.6	96.7	96.7	96.8	96.8	96.8	96.8
GE 400	34.8	85.2	88.4	91.2	93.2	94.1	95.5	96.7	97.1	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 300	34.8	85.2	88.4	91.2	93.2	94.1	95.5	96.8	97.3	98.1	98.2	98.2	98.4	98.4	98.4	98.4
GE 200	34.8	85.2	88.4	91.2	93.2	94.1	95.5	96.8	97.3	98.2	98.6	98.6	98.8	99.0	99.1	99.1
GE 100	34.8	85.2	88.4	91.2	93.2	94.1	95.5	96.8	97.3	98.4	98.8	99.0	99.2	99.6	99.7	100.0
GE 0	34.8	85.2	88.4	91.2	93.2	94.1	95.5	96.8	97.3	98.4	98.8	99.0	99.2	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	27.1	60.5	61.3	61.7	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 20000	29.1	65.7	66.6	67.0	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	29.1	66.0	66.9	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 14000	29.1	66.0	66.9	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 12000	29.6	66.8	67.6	68.1	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 10000	30.9	68.6	69.5	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 9000	31.0	68.7	69.6	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 8000	31.4	70.0	70.9	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	31.7	70.8	71.6	72.0	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 6000	31.7	70.9	72.0	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 5000	31.8	71.7	72.9	73.3	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4500	32.4	72.5	73.7	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	32.6	73.1	74.4	74.9	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 3500	33.1	74.1	75.4	76.0	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3000	33.3	74.9	76.2	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 2500	33.5	77.0	78.8	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	34.2	78.6	80.5	81.6	82.0	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
GE 1800	34.2	79.0	81.0	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9
GE 1500	34.2	81.3	83.4	84.6	85.2	85.5	85.6	85.6	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9
GE 1200	34.2	82.2	84.5	85.8	86.3	86.7	86.9	87.0	87.0	87.3	87.5	87.5	87.5	87.5	87.5	87.5
GE 1000	34.3	83.2	85.8	87.6	88.6	89.1	89.6	89.8	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3
GE 900	34.3	83.5	86.2	88.3	89.5	90.1	90.5	90.8	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3
GE 800	34.3	84.0	87.0	89.0	90.2	91.0	91.5	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.4	92.4
GE 700	34.3	84.1	87.1	89.2	90.4	91.2	91.7	91.9	91.9	92.3	92.5	92.5	92.5	92.5	92.6	92.6
GE 600	34.3	84.4	88.0	90.2	91.7	92.8	93.4	93.7	93.7	94.0	94.2	94.2	94.2	94.2	94.3	94.3
GE 500	34.3	84.4	88.1	90.3	91.9	93.0	94.1	94.5	94.5	94.8	95.1	95.1	95.1	95.1	95.2	95.2
GE 400	34.3	84.4	88.1	90.4	92.7	93.8	95.3	96.0	96.0	96.3	96.6	96.6	96.7	96.7	96.8	96.8
GE 300	34.3	84.4	88.3	90.6	92.9	94.0	95.6	96.6	97.0	97.4	97.8	97.8	98.0	98.0	98.2	98.2
GE 200	34.3	84.4	88.3	90.6	92.9	94.0	95.7	96.7	97.1	97.5	98.4	98.4	98.6	98.6	99.0	99.0
GE 100	34.3	84.4	88.3	90.6	92.9	94.0	95.7	96.7	97.1	97.5	98.6	98.7	98.9	98.9	99.5	99.9
GE 0	34.3	84.4	88.3	90.6	92.9	94.0	95.7	96.7	97.1	97.5	98.6	98.7	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.8	57.5	58.1	58.4	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.1
GE 20000	29.2	63.4	64.1	64.5	64.7	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3
GE 18000	29.3	63.7	64.4	64.8	65.0	65.1	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.6
GE 16000	29.3	63.8	64.6	64.9	65.2	65.3	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.8
GE 14000	29.5	64.2	64.9	65.3	65.5	65.6	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.1
GE 12000	29.7	64.7	65.4	65.8	66.0	66.1	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.6
GE 10000	31.0	66.9	67.8	68.1	68.4	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.0
GE 9000	31.1	67.1	67.9	68.3	68.5	68.6	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.1	69.2
GE 8000	31.6	68.5	69.4	69.8	70.1	70.2	70.4	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.8
GE 7000	31.9	69.0	69.9	70.3	70.6	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.2	71.3
GE 6000	32.1	69.6	70.6	71.1	71.4	71.5	71.7	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.1
GE 5000	32.4	70.6	71.9	72.4	72.7	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.4
GE 4500	32.7	71.4	72.6	73.1	73.4	73.5	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.1	74.2
GE 4000	33.0	72.2	73.5	74.1	74.4	74.5	74.7	74.8	74.9	74.9	75.0	75.0	75.1	75.1	75.1	75.2
GE 3500	33.2	72.8	74.2	74.9	75.2	75.3	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.9	76.0
GE 3000	33.5	73.8	75.4	76.1	76.5	76.6	76.8	76.9	77.0	77.0	77.1	77.1	77.2	77.2	77.2	77.4
GE 2500	34.0	75.3	77.0	77.8	78.4	78.5	78.7	78.9	79.0	79.0	79.1	79.1	79.2	79.2	79.2	79.4
GE 2000	34.4	76.5	78.4	79.4	80.0	80.1	80.4	80.7	80.8	80.8	80.9	80.9	81.0	81.0	81.0	81.2
GE 1800	34.5	76.9	78.9	79.9	80.6	80.7	81.0	81.2	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.7
GE 1500	34.6	78.3	80.6	81.8	82.5	82.7	83.0	83.3	83.5	83.6	83.8	83.8	83.9	83.9	83.9	84.0
GE 1200	34.7	79.2	81.6	83.1	83.9	84.1	84.7	85.2	85.3	85.6	85.7	85.7	85.8	85.8	85.8	86.0
GE 1000	34.7	80.2	82.9	84.7	85.8	86.1	86.8	87.5	87.7	88.0	88.3	88.3	88.4	88.4	88.4	88.5
GE 900	34.7	80.6	83.4	85.4	86.6	86.9	87.7	88.5	88.7	89.0	89.3	89.3	89.4	89.4	89.4	89.6
GE 800	34.7	80.9	84.0	86.2	87.5	87.8	88.7	89.5	89.8	90.2	90.5	90.5	90.6	90.6	90.7	90.8
GE 700	34.7	81.1	84.4	86.7	88.3	88.8	89.7	90.6	90.9	91.4	91.7	91.7	91.8	91.8	91.9	92.0
GE 600	34.7	81.4	85.0	87.6	89.6	90.1	91.2	92.2	92.5	93.1	93.4	93.4	93.6	93.6	93.6	93.8
GE 500	34.7	81.5	85.2	88.0	90.2	90.8	92.1	93.2	93.8	94.4	94.8	94.8	94.9	94.9	95.0	95.1
GE 400	34.7	81.6	85.4	88.4	91.1	91.7	93.3	94.6	95.2	96.0	96.4	96.4	96.6	96.6	96.6	96.8
GE 300	34.7	81.7	85.5	88.5	91.2	91.9	93.6	95.0	95.8	96.9	97.4	97.5	97.8	97.8	97.8	98.0
GE 200	34.7	81.7	85.5	88.5	91.2	91.9	93.6	95.1	96.0	97.3	98.0	98.1	98.6	98.7	98.8	99.0
GE 100	34.7	81.7	85.5	88.5	91.2	91.9	93.6	95.1	96.0	97.4	98.2	98.3	98.9	99.0	99.3	99.8
GE 0	34.7	81.7	85.5	88.5	91.2	91.9	93.6	95.1	96.0	97.4	98.2	98.3	98.9	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/6	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.4	54.5	55.7	56.4	56.6	56.7	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.8	56.6
GF 20000	30.5	57.6	58.9	59.6	59.8	59.9	60.4	60.5	60.5	60.8	60.8	60.8	60.9	60.9	61.2	62.1
GE 18000	30.9	57.9	59.2	59.9	60.2	60.3	60.8	60.9	60.9	61.1	61.1	61.1	61.2	61.2	61.6	62.4
GE 16000	30.9	57.9	59.2	59.9	60.2	60.3	60.8	60.9	60.9	61.1	61.1	61.1	61.2	61.2	61.6	62.4
GE 14000	30.9	58.2	59.5	60.2	60.4	60.5	61.0	61.1	61.1	61.3	61.3	61.3	61.5	61.5	61.8	62.6
GE 12000	31.0	58.5	59.8	60.5	60.8	60.9	61.3	61.5	61.5	61.7	61.7	61.7	61.8	61.8	62.2	63.0
GF 10000	31.7	61.1	62.4	63.1	63.4	63.5	63.9	64.1	64.1	64.3	64.3	64.3	64.4	64.4	64.8	65.6
GE 9000	31.7	61.6	62.9	63.6	63.8	63.9	64.4	64.5	64.5	64.8	64.8	64.8	64.9	64.9	65.2	66.1
GE 8000	32.0	62.5	63.8	64.5	64.8	64.9	65.4	65.5	65.5	65.7	65.7	65.7	65.8	65.8	66.2	67.0
GE 7000	32.5	63.1	64.4	65.1	65.4	65.5	66.0	66.1	66.1	66.3	66.3	66.3	66.4	66.4	66.8	67.6
GE 6000	32.6	63.5	64.8	65.6	65.8	66.0	66.4	66.5	66.5	66.8	66.8	66.8	66.9	66.9	67.3	68.1
GE 5000	33.7	65.1	66.4	67.3	67.5	67.6	68.1	68.2	68.2	68.4	68.4	68.4	68.6	68.6	68.9	69.7
GE 4500	33.8	65.4	66.7	67.5	67.7	67.8	68.3	68.4	68.4	68.7	68.7	68.7	68.8	68.8	69.1	70.0
GE 4000	33.8	66.4	67.7	68.6	68.8	68.9	69.4	69.5	69.5	69.7	69.7	69.7	69.9	69.9	70.2	71.0
GE 3500	34.5	67.6	69.3	70.1	70.6	70.7	71.2	71.3	71.3	71.5	71.5	71.5	71.6	71.6	72.0	72.8
GE 3000	34.6	68.7	70.4	71.3	71.9	72.0	72.5	72.6	72.6	72.8	72.8	72.8	72.9	72.9	73.3	74.1
GE 2500	35.2	70.3	72.1	73.2	73.9	74.0	74.6	74.9	74.9	75.2	75.2	75.2	75.3	75.3	75.7	76.5
GE 2000	35.9	72.1	74.0	75.1	75.8	76.0	76.6	77.2	77.2	77.4	77.4	77.4	77.5	77.5	77.9	78.7
GE 1800	35.9	72.5	74.3	75.4	76.2	76.5	77.1	77.7	77.7	77.9	77.9	77.9	78.0	78.0	78.4	79.2
GE 1500	36.8	74.5	76.6	78.0	78.8	79.1	79.7	80.3	80.3	80.5	80.5	80.5	80.6	80.6	81.0	81.8
GF 1200	37.0	75.4	78.3	79.7	80.5	80.7	81.6	82.2	82.2	82.4	82.4	82.4	82.5	82.5	82.9	83.7
GF 1000	37.1	76.6	79.6	81.2	82.9	83.1	83.9	84.5	84.6	84.9	84.9	84.9	85.0	85.0	85.3	86.2
GE 900	37.1	77.0	80.1	81.9	83.9	84.2	85.1	85.8	85.9	86.2	86.2	86.2	86.3	86.3	86.6	87.5
GE 800	37.1	77.4	80.7	82.6	84.8	85.0	86.1	86.8	86.9	87.1	87.1	87.1	87.2	87.2	87.6	88.4
GF 700	37.1	77.4	81.0	83.0	85.2	85.5	86.6	87.4	87.5	87.9	87.9	87.9	88.1	88.1	88.4	89.2
GE 600	37.2	77.9	81.4	83.5	85.9	86.3	87.5	88.2	88.3	88.9	88.9	89.0	89.1	89.1	89.5	90.3
GE 500	37.2	78.0	81.9	84.3	86.8	87.2	88.4	89.6	89.7	90.8	90.9	91.0	91.1	91.1	91.5	92.3
GE 400	37.2	78.0	81.9	84.3	86.8	87.4	89.1	90.4	90.5	91.8	92.2	92.3	92.6	92.6	92.9	93.7
GE 300	37.2	78.0	82.0	84.5	87.1	87.7	89.7	91.4	91.7	93.3	93.6	93.7	94.0	94.0	94.6	95.4
GF 200	37.2	78.0	82.0	84.5	87.1	87.7	89.7	91.6	92.2	94.1	94.6	94.6	95.2	95.2	95.9	97.5
GE 100	37.2	78.0	82.0	84.5	87.1	87.7	89.8	91.7	92.3	94.2	94.7	95.2	95.5	95.6	97.2	99.4
GF 0	37.2	78.0	82.0	84.5	87.1	87.7	89.8	91.7	92.3	94.2	94.7	95.2	95.5	95.6	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	LF 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8
NO CEIL	29.0	52.0	52.7	53.9	54.6	55.2	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.1	57.4
GE 20000	30.5	56.5	57.2	58.4	59.1	59.7	60.3	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.6	61.9
GE 18000	30.6	56.6	57.3	58.5	59.2	59.8	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.8	62.1
GE 16000	30.6	56.6	57.3	58.6	59.3	59.9	60.5	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.9	62.2
GE 14000	30.6	57.0	57.7	59.1	59.8	60.4	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.3	62.6
GE 12000	30.6	57.2	57.9	59.3	60.0	60.6	61.2	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.6	62.9
GE 10000	31.1	59.1	59.8	61.2	61.9	62.5	63.1	63.2	63.2	63.2	63.2	63.2	63.4	63.4	63.5	64.8
GE 9000	31.1	59.5	60.2	61.6	62.3	62.9	63.5	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.8	65.1
GE 8000	31.3	60.9	61.6	63.0	63.7	64.3	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.2	66.5
GE 7000	31.7	61.3	62.1	63.5	64.2	64.8	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.7	67.0
GE 6000	31.9	61.9	62.6	64.1	64.8	65.4	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.3	67.6
GE 5000	32.9	63.0	63.7	65.1	65.8	66.4	67.0	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.4	68.7
GE 4500	33.3	63.6	64.3	65.7	66.4	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	68.0	69.3
GE 4000	33.3	64.3	65.0	66.4	67.1	67.7	68.3	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.7	70.0
GE 3500	33.6	64.8	65.5	66.9	67.6	68.2	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.1	70.4
GE 3000	34.0	66.3	67.3	68.7	69.6	70.2	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.2	72.5
GE 2500	34.0	67.4	68.6	70.1	71.0	71.6	72.2	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.6	73.9
GE 2000	34.2	68.3	69.5	71.0	72.1	72.7	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.6	74.9
GE 1800	34.3	69.1	70.3	71.9	73.3	73.9	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.8	76.1
GE 1600	34.8	70.7	71.9	73.4	75.1	75.8	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.7	78.0
GE 1400	35.2	72.5	73.9	75.5	77.8	78.5	79.2	79.3	79.3	79.4	79.4	79.4	79.6	79.6	79.7	81.0
GE 1200	35.5	74.1	76.1	77.9	80.4	81.1	81.9	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.5	83.8
GE 1000	35.5	74.2	76.4	78.5	81.6	82.3	83.1	83.3	83.3	83.6	83.6	83.6	83.7	83.7	83.8	85.1
GE 900	35.5	75.4	77.9	80.3	83.6	84.3	85.1	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.8	87.1
GE 800	35.5	76.0	78.6	81.0	84.6	85.5	86.4	87.1	87.1	87.6	87.6	87.6	87.7	87.7	87.8	89.1
GE 700	35.5	76.0	78.6	81.2	85.2	86.2	87.2	87.9	87.9	88.5	88.5	88.5	88.7	88.7	88.8	90.1
GE 600	35.5	76.1	78.7	81.6	85.7	87.0	88.2	89.1	89.1	90.0	90.0	90.1	90.2	90.2	90.3	91.6
GE 500	35.5	76.2	78.8	81.8	85.9	87.5	88.9	90.2	90.2	91.1	91.1	91.3	91.4	91.5	91.6	92.8
GE 400	35.5	76.2	79.0	81.9	86.2	87.8	89.8	91.6	91.8	93.4	93.5	93.6	93.7	93.7	93.9	95.2
GE 300	35.5	76.2	79.0	81.9	86.2	87.8	89.8	91.6	92.1	93.7	94.0	94.1	94.6	94.8	95.3	97.0
GE 200	35.5	76.2	79.0	81.9	86.2	87.8	89.8	91.6	92.1	94.0	94.6	94.9	95.7	96.0	96.9	99.6
GE 100	35.5	76.2	79.0	81.9	86.2	87.8	89.8	91.6	92.1	94.0	94.6	94.9	95.7	96.0	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 246



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	24.7	47.6	48.5	49.2	49.4	49.9	50.6	50.7	50.7	51.1	51.3	51.3	51.4	51.4	51.5	52.4	
GE 20000	26.6	52.4	53.3	54.1	54.8	55.3	56.0	56.1	56.1	56.5	56.7	56.7	56.9	56.9	57.0	57.8	
GE 18000	26.6	52.5	53.4	54.3	55.0	55.4	56.1	56.3	56.3	56.6	56.9	56.9	57.0	57.0	57.1	57.9	
GE 16000	26.6	52.6	53.5	54.4	55.1	55.6	56.3	56.4	56.4	56.7	57.0	57.0	57.1	57.1	57.2	58.0	
GE 14000	26.8	53.1	54.0	54.8	55.6	56.0	56.7	56.9	56.9	57.2	57.4	57.4	57.6	57.6	57.7	58.5	
GE 12000	27.1	54.0	55.0	55.9	56.6	57.1	57.8	57.9	57.9	58.3	58.5	58.5	58.6	58.6	58.7	59.6	
GE 10000	27.7	55.8	56.9	57.8	58.5	59.0	59.7	59.8	59.8	60.2	60.4	60.4	60.5	60.5	60.6	61.5	
GE 9000	27.7	56.0	57.1	58.0	58.7	59.2	59.9	60.0	60.0	60.4	60.6	60.6	60.8	60.8	60.9	61.7	
GE 8000	27.8	57.3	58.4	59.3	60.0	60.5	61.2	61.3	61.3	61.7	61.9	61.9	62.1	62.1	62.2	63.0	
GE 7000	27.9	57.7	58.7	59.7	60.4	60.9	61.6	61.7	61.7	62.1	62.3	62.3	62.4	62.4	62.5	63.4	
GE 6000	28.0	57.9	59.0	59.9	60.6	61.1	61.8	61.9	61.9	62.3	62.5	62.5	62.6	62.6	62.8	63.6	
GE 5000	28.5	59.6	60.6	61.6	62.3	62.8	63.5	63.6	63.6	63.9	64.2	64.2	64.3	64.3	64.4	65.2	
GE 4500	28.6	60.0	61.1	62.1	62.8	63.2	63.9	64.1	64.1	64.4	64.7	64.7	64.8	64.8	64.9	65.7	
GE 4000	28.6	60.5	61.6	62.5	63.2	63.8	64.5	64.7	64.7	65.0	65.2	65.2	65.4	65.4	65.5	66.3	
GE 3500	28.8	61.3	62.4	63.4	64.1	64.7	65.4	65.5	65.5	65.8	66.1	66.1	66.2	66.2	66.3	67.1	
GE 3000	29.3	62.2	63.2	64.2	65.0	65.6	66.3	66.4	66.4	66.8	67.0	67.0	67.1	67.1	67.3	68.1	
GE 2500	29.7	63.7	65.1	66.1	67.1	67.7	68.6	68.7	68.7	69.1	69.4	69.4	69.5	69.5	69.6	70.4	
GE 2000	29.8	65.1	66.5	67.5	68.6	69.1	70.1	70.2	70.2	70.7	70.9	70.9	71.0	71.0	71.2	72.0	
GE 1800	29.8	65.2	66.9	67.8	68.9	69.5	70.4	70.6	70.6	71.2	71.4	71.4	71.5	71.5	71.6	72.5	
GE 1500	30.3	67.1	69.3	70.2	71.5	72.2	73.4	73.6	73.6	74.3	74.6	74.6	74.7	74.7	74.8	75.7	
GE 1200	31.1	69.5	71.7	72.8	74.5	75.2	76.5	76.7	76.7	77.5	77.8	77.8	77.9	77.9	78.0	78.8	
GE 1000	31.3	71.3	73.8	75.2	76.8	77.5	79.1	79.4	79.4	80.3	80.5	80.5	80.7	80.7	80.9	81.7	
GE 900	31.3	72.2	74.7	76.4	78.3	79.0	80.6	81.1	81.1	82.0	82.4	82.4	82.6	82.6	82.7	83.6	
GE 800	31.3	72.9	75.5	77.7	79.7	80.4	82.2	82.7	82.7	83.8	84.2	84.2	84.4	84.4	84.5	85.3	
GE 700	31.3	73.8	76.5	79.0	81.1	82.2	83.9	84.6	84.9	85.9	86.3	86.3	86.5	86.5	86.6	87.5	
GE 600	31.3	73.8	76.5	79.0	81.2	82.6	84.6	85.5	85.8	87.2	87.6	87.6	87.8	87.8	87.9	88.8	
GE 500	31.3	73.9	76.6	79.2	81.6	83.0	85.0	85.9	86.3	88.1	88.4	88.4	88.8	88.8	89.0	89.8	
GE 400	31.3	74.2	77.0	79.7	82.5	84.2	86.2	87.2	87.9	89.8	90.3	90.3	90.7	90.7	90.9	91.7	
GE 300	31.3	74.2	77.0	79.7	82.5	84.3	86.5	87.9	88.7	91.3	92.0	92.0	92.6	92.6	92.8	93.6	
GE 200	31.3	74.2	77.0	79.7	82.6	84.4	86.8	88.2	88.9	91.6	92.8	92.8	93.4	93.4	94.1	95.2	
GE 100	31.3	74.2	77.0	79.7	82.6	84.4	86.8	88.3	89.1	92.1	93.4	93.5	94.3	94.4	95.7	99.2	
GE 0	31.3	74.2	77.0	79.7	82.6	84.4	86.8	88.3	89.1	92.1	93.4	93.5	94.4	94.6	96.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(LOCAL): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.1	45.7	46.6	48.0	48.3	48.5	48.6	48.6	48.6	48.9	49.1	49.1	49.1	49.2	49.2	49.3
GE 20000	27.1	51.4	52.6	54.4	54.8	55.1	55.3	55.3	55.3	55.7	55.8	55.8	55.8	55.9	55.9	56.0
GE 18000	27.1	51.7	52.8	54.6	55.1	55.3	55.6	55.6	55.7	56.0	56.1	56.1	56.1	56.3	56.3	56.4
GE 16000	27.1	51.7	52.8	54.6	55.1	55.3	55.6	55.6	55.7	56.0	56.1	56.1	56.1	56.3	56.3	56.4
GE 14000	27.2	51.9	53.1	54.8	55.3	55.6	55.8	55.8	55.9	56.3	56.4	56.4	56.4	56.5	56.5	56.6
GE 12000	27.8	53.5	54.7	56.5	57.0	57.2	57.4	57.4	57.6	57.9	58.0	58.0	58.0	58.2	58.2	58.3
GE 10000	28.7	56.0	57.3	59.2	60.0	60.3	60.5	60.5	60.6	61.0	61.1	61.1	61.1	61.2	61.2	61.3
GE 9000	28.7	56.0	57.3	59.2	60.0	60.3	60.5	60.5	60.6	61.0	61.1	61.1	61.1	61.2	61.2	61.3
GE 8000	29.4	57.4	58.7	60.8	61.6	61.8	62.1	62.1	62.2	62.6	62.8	62.8	62.8	62.9	62.9	63.0
GE 7000	29.8	58.2	59.5	61.5	62.5	62.8	63.0	63.0	63.1	63.6	63.7	63.7	63.7	63.8	63.8	63.9
GE 6000	30.1	58.7	60.0	62.1	63.1	63.4	63.6	63.6	63.7	64.2	64.3	64.3	64.3	64.4	64.4	64.5
GE 5000	30.3	59.3	60.6	62.6	63.7	63.9	64.2	64.2	64.3	64.8	64.9	64.9	64.9	65.0	65.0	65.1
GE 4500	30.6	59.8	61.1	63.1	64.2	64.4	64.7	64.7	64.8	65.2	65.4	65.4	65.4	65.5	65.5	65.6
GE 4000	30.7	60.5	62.1	64.1	65.2	65.6	66.0	66.0	66.1	66.5	66.7	66.7	66.7	66.8	66.8	66.9
GE 3500	31.0	61.3	62.9	64.9	66.2	66.5	66.9	66.9	67.0	67.5	67.6	67.6	67.6	67.7	67.7	67.8
GE 3000	31.6	63.0	64.7	66.8	68.1	68.6	69.0	69.0	69.1	69.6	69.7	69.7	69.7	69.9	69.9	70.0
GE 2500	31.9	64.8	66.5	68.7	70.1	70.7	71.3	71.3	71.4	71.9	72.0	72.0	72.0	72.1	72.1	72.2
GE 2000	32.0	65.7	67.5	69.6	71.0	71.6	72.6	72.7	72.8	73.5	73.6	73.6	73.6	73.8	73.8	73.9
GE 1800	32.0	66.0	67.7	69.9	71.3	71.9	72.8	72.9	73.0	73.8	73.9	73.9	73.9	74.0	74.0	74.1
GE 1500	32.4	67.5	69.4	71.5	73.2	73.8	74.7	74.8	74.9	75.9	76.0	76.0	76.1	76.2	76.2	76.4
GE 1200	32.5	68.4	70.4	72.6	74.3	74.9	76.1	76.4	76.7	77.7	77.8	77.8	77.9	78.0	78.0	78.1
GE 1000	33.0	70.9	73.3	75.4	77.8	78.4	80.0	80.5	81.0	81.9	82.0	82.0	82.2	82.3	82.3	82.4
GE 900	33.1	71.7	74.5	76.7	79.1	79.7	81.4	82.3	83.1	84.3	84.4	84.4	84.5	84.6	84.6	84.9
GE 800	33.1	72.0	74.9	77.3	79.8	80.4	82.2	83.0	83.8	85.1	85.2	85.2	85.3	85.5	85.5	85.9
GE 700	33.1	72.2	75.3	77.8	80.4	81.0	82.9	83.9	84.9	86.2	86.3	86.3	86.4	86.5	86.5	87.0
GE 600	33.1	72.5	75.7	78.1	81.1	82.0	84.0	85.6	86.9	88.3	88.5	88.5	88.7	88.8	88.8	89.2
GE 500	33.1	72.7	75.9	78.5	81.6	82.9	85.0	86.8	88.4	90.2	90.5	90.5	90.7	90.8	90.8	91.3
GE 400	33.1	72.7	76.0	78.8	81.9	83.5	85.8	88.1	90.0	91.8	92.3	92.3	92.4	92.6	92.7	93.1
GE 300	33.1	72.7	76.0	78.8	82.2	83.7	86.1	88.7	91.0	93.6	94.2	94.2	94.4	94.6	94.8	95.3
GE 200	33.1	72.8	76.1	79.0	82.3	83.8	86.3	88.9	91.3	94.1	94.8	94.8	95.9	96.1	97.3	98.0
GE 100	33.1	72.8	76.1	79.0	82.3	83.8	86.3	88.9	91.3	94.1	95.0	95.0	96.2	96.6	98.2	99.5
GE 0	33.1	72.8	76.1	79.0	82.3	83.8	86.3	88.9	91.3	94.1	95.0	95.0	96.2	96.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	CE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.4	50.4	51.5	51.9	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 20000	30.1	57.9	59.5	59.9	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 18000	30.1	57.9	59.5	59.9	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 16000	30.1	57.9	59.5	59.9	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	30.4	58.5	60.0	60.5	61.1	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 12000	31.0	60.3	61.8	62.3	62.9	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	31.4	62.1	63.6	64.2	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 9000	31.4	62.2	63.7	64.3	64.9	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 8000	32.2	63.5	65.1	65.6	66.4	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	32.3	63.8	65.5	66.2	66.8	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 6000	32.7	64.4	66.2	66.9	67.5	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 5000	33.1	64.9	66.7	67.4	68.0	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4500	33.2	65.2	67.0	67.7	68.3	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 4000	33.7	66.2	68.0	68.7	69.4	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500	33.9	66.5	68.3	69.0	69.7	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 3000	34.8	68.0	69.7	70.7	71.5	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 2500	35.8	70.6	72.3	73.3	74.2	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 2000	35.9	71.5	73.3	74.2	75.2	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1800	35.9	71.9	73.6	74.6	75.5	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 1600	36.4	73.5	75.5	76.6	77.8	78.6	78.6	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2
GE 1400	36.4	75.4	77.9	79.0	80.5	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4
GE 1200	36.4	77.0	79.6	80.7	83.1	84.2	84.5	85.5	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7
GE 1000	36.4	77.3	80.4	81.9	84.6	85.8	86.4	87.4	87.4	87.6	87.6	87.6	87.9	87.9	88.1	88.1
GE 800	36.4	77.7	80.7	82.5	85.6	87.0	87.7	88.9	88.9	89.2	89.2	89.2	89.7	89.7	89.8	89.8
GE 700	36.4	77.7	80.9	82.6	85.7	87.4	88.5	89.8	89.8	90.3	90.3	90.3	90.9	90.9	91.1	91.4
GE 600	36.4	77.7	81.0	82.7	85.9	87.6	88.9	90.8	91.1	91.7	92.0	92.0	92.6	92.6	92.8	93.0
GE 500	36.4	77.8	81.2	83.2	86.5	88.3	90.4	92.4	93.3	94.0	94.4	94.4	95.2	95.2	95.5	95.7
GE 400	36.4	77.8	81.2	83.2	86.6	88.5	91.1	93.4	94.3	95.2	95.6	95.6	96.3	96.3	96.8	97.0
GE 300	36.4	77.8	81.2	83.2	86.6	88.5	91.1	93.5	94.7	95.6	96.5	96.5	97.3	97.3	98.0	98.2
GE 200	36.4	77.8	81.2	83.2	86.6	88.5	91.1	93.5	94.7	95.7	96.9	96.9	98.0	98.0	98.8	99.2
GE 100	36.4	77.8	81.2	83.2	86.6	88.5	91.1	93.5	94.7	95.7	96.9	96.9	98.0	98.1	99.1	99.8
GE 01	36.4	77.8	81.2	83.2	86.6	88.5	91.1	93.5	94.7	95.7	96.9	96.9	98.0	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 466

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.0	50.9	51.7	52.4	52.4	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	30.7	58.4	59.1	59.8	60.0	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	30.7	59.0	59.7	60.4	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	30.7	59.0	59.7	60.4	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	30.9	59.7	60.5	61.2	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 12000	31.2	60.6	61.5	62.2	62.4	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 10000	32.3	62.9	63.8	64.5	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 9000	32.3	63.4	64.3	65.0	65.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	33.6	65.2	66.3	67.0	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 7000	33.6	65.8	66.9	67.6	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 6000	34.2	66.8	67.8	68.6	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 5000	34.4	67.5	68.6	69.3	69.5	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 4500	34.5	67.8	68.9	69.6	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4000	35.0	69.6	70.7	71.5	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 3500	35.0	70.1	71.2	72.0	72.2	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 3000	35.6	72.6	73.9	74.8	75.2	75.3	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 2500	36.2	74.1	75.4	76.4	76.7	76.8	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 2000	36.5	75.4	76.7	77.7	78.1	78.3	78.6	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 1800	36.6	76.1	77.8	78.8	79.4	79.6	79.9	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1500	36.8	77.8	79.7	81.4	82.2	82.3	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 1200	36.8	79.1	81.1	82.9	83.8	84.2	84.8	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1000	36.8	79.4	81.7	83.5	85.2	85.7	86.8	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 900	36.8	79.9	82.3	84.4	86.2	86.9	88.1	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.1
GE 800	36.8	79.9	82.5	85.1	87.4	88.1	89.5	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.7	90.7
GE 700	36.8	79.9	82.6	85.2	87.6	88.3	89.8	91.0	91.0	91.4	91.4	91.5	91.6	91.6	91.7	91.8
GE 600	36.8	79.9	82.6	85.2	87.6	88.3	90.3	91.6	91.6	92.0	92.1	92.1	92.2	92.3	92.4	92.6
GE 500	36.8	80.0	82.9	85.7	88.1	88.8	91.3	92.8	92.8	93.4	93.6	93.6	93.7	93.9	94.2	94.4
GE 400	36.8	80.0	82.9	85.7	88.2	88.9	91.6	93.5	94.0	94.8	95.2	95.2	95.6	95.7	96.1	96.3
GE 300	36.8	80.0	83.0	85.9	88.5	89.2	92.1	94.0	94.4	95.7	96.1	96.1	96.7	96.8	97.4	97.6
GE 200	36.8	80.0	83.0	85.9	88.5	89.2	92.1	94.1	94.6	96.2	97.0	97.2	98.0	98.2	98.9	99.3
GE 100	36.8	80.0	83.0	85.9	88.5	89.2	92.1	94.1	94.6	96.2	97.0	97.2	98.1	98.5	99.2	99.6
GE 0	36.8	80.0	83.0	85.9	88.5	89.2	92.1	94.1	94.6	96.2	97.0	97.2	98.1	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.6	53.4	53.9	54.0	54.4	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 20000	30.3	58.0	59.1	59.5	59.9	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 18000	30.3	58.4	59.5	59.8	60.3	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 16000	30.3	58.4	59.5	59.8	60.3	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	30.4	58.7	59.8	60.3	60.8	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	31.1	59.9	61.0	61.5	61.9	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 10000	32.6	62.2	63.4	63.8	64.4	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 9000	32.6	62.9	64.1	64.5	65.1	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 8000	33.6	64.2	65.4	65.8	66.4	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 7000	33.7	64.9	66.1	66.5	67.1	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 6000	34.2	65.5	66.7	67.1	67.7	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 5000	34.6	66.8	68.1	68.6	69.1	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4500	35.0	68.0	69.3	69.7	70.3	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4000	35.2	68.6	69.9	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3500	35.2	69.3	70.6	71.0	71.6	72.0	72.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3000	35.6	71.0	72.3	72.8	73.5	73.9	73.9	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 2500	36.2	72.9	74.2	74.7	75.5	75.9	75.9	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 2000	36.4	74.9	76.5	77.0	77.9	78.4	78.5	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 1800	36.6	75.5	77.1	77.5	78.8	79.3	79.4	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 1500	37.2	77.3	79.2	80.0	81.4	82.0	82.5	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 1200	37.4	78.4	80.5	81.6	83.1	83.8	84.6	85.2	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1000	37.4	79.4	81.7	82.9	84.8	85.7	87.1	87.7	87.9	88.3	88.4	88.4	88.4	88.4	88.4	88.4
GE 900	37.4	79.6	82.0	83.3	85.5	86.4	87.8	88.5	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5
GE 800	37.4	79.8	82.5	83.9	86.2	87.1	88.5	89.2	89.7	90.1	90.2	90.2	90.2	90.2	90.2	90.2
GE 700	37.4	79.8	82.5	84.2	86.4	87.5	88.9	89.7	90.3	90.7	90.8	90.8	90.9	90.9	90.9	90.9
GE 600	37.4	79.8	82.6	84.5	87.0	88.2	90.0	90.8	91.4	91.7	91.8	91.8	92.0	92.0	92.0	92.0
GE 500	37.4	79.8	82.7	84.8	87.4	88.5	90.4	91.7	92.4	93.0	93.3	93.3	93.4	93.4	93.4	93.4
GE 400	37.4	79.8	82.9	84.9	87.5	88.9	90.9	92.3	93.3	94.4	94.9	94.9	95.0	95.0	95.0	95.0
GE 300	37.4	79.8	82.9	84.9	87.7	89.1	91.1	93.0	94.1	95.6	96.5	96.5	96.7	96.7	96.7	96.7
GE 200	37.4	79.8	82.9	84.9	87.7	89.1	91.1	93.6	94.9	97.0	97.9	97.9	98.2	98.3	98.3	98.3
GE 100	37.4	79.8	82.9	84.9	87.7	89.1	91.1	93.6	94.9	97.4	98.2	98.3	98.8	99.2	99.2	99.3
GE 0	37.4	79.8	82.9	84.9	87.7	89.1	91.1	93.6	94.9	97.4	98.2	98.3	98.8	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: P46

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	28.5	54.0	55.0	55.3	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	
GE 20000	30.1	57.4	58.5	59.2	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	
GE 18000	30.1	57.7	58.7	59.5	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5	
GE 16000	30.1	57.7	58.7	59.5	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5	
GE 14000	30.1	57.7	58.7	59.5	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5	
GE 12000	30.5	58.4	59.5	60.2	61.8	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	
GE 10000	31.9	60.4	61.5	62.2	63.8	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	
GE 9000	31.9	61.1	62.2	62.9	64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	
GE 8000	32.7	63.0	64.1	64.8	66.4	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	
GE 7000	33.1	64.2	65.2	66.0	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	
GE 6000	33.1	64.2	65.2	66.0	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	
GE 5000	33.7	65.4	66.5	67.4	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	
GE 4500	34.2	66.7	67.8	68.7	70.4	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8	
GE 4000	34.2	67.3	68.6	69.4	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	
GE 3500	34.3	68.2	69.5	70.3	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5	
GE 3000	34.6	69.7	71.2	72.1	74.2	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	
GE 2500	34.8	71.6	73.0	74.0	76.4	76.4	76.7	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2	
GE 2000	34.8	72.7	74.1	75.2	77.7	77.7	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5	
GE 1800	34.9	73.3	74.9	76.2	79.1	79.2	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.0	
GE 1500	35.7	75.1	77.2	79.1	82.2	82.3	82.7	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.2	
GE 1200	35.7	76.7	78.6	80.9	84.0	84.3	84.8	85.0	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.6	
GE 1000	35.8	77.4	79.9	82.0	85.6	85.8	86.5	86.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.4	
GE 900	35.8	77.8	80.5	82.9	86.8	87.2	87.9	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	89.0	
GE 800	35.8	78.1	80.9	83.3	87.5	87.9	88.7	89.1	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.7	
GE 700	35.9	78.3	81.2	83.7	87.8	88.4	89.1	89.7	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.3	
GE 600	35.9	78.4	81.7	84.3	88.8	89.4	90.2	90.9	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.5	
GE 500	35.9	78.5	82.2	84.8	89.5	90.1	91.4	92.4	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.3	
GE 400	35.9	78.5	82.4	85.0	89.7	90.3	91.6	92.8	92.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1	
GE 300	35.9	78.5	82.4	85.1	90.0	90.7	92.2	94.0	94.3	95.6	95.6	95.6	95.6	95.6	95.9	96.1	
GE 200	35.9	78.5	82.4	85.2	90.1	90.8	92.3	94.6	94.9	96.3	96.6	96.6	96.6	96.6	96.8	97.6	
GE 100	35.9	78.5	82.4	85.2	90.1	90.8	92.3	94.6	94.9	96.5	96.7	96.7	96.8	96.8	97.2	98.7	
GE 0	35.9	78.5	82.4	85.2	90.1	90.8	92.3	94.6	94.9	96.5	96.7	96.7	97.0	97.0	97.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.6	51.1	52.0	52.6	53.1	53.3	53.6	53.7	53.7	53.8	53.9	53.9	53.9	53.9	54.0	54.4
GE 20000	29.5	56.2	57.3	58.1	58.7	59.0	59.3	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.7	60.1
GE 18000	29.6	56.5	57.5	58.4	59.0	59.2	59.5	59.7	59.7	59.8	59.8	59.8	59.9	59.9	60.0	60.4
GE 16000	29.6	56.5	57.5	58.4	59.0	59.3	59.6	59.7	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.4
GE 14000	29.7	56.8	57.9	58.8	59.4	59.7	60.0	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.4	60.8
GE 12000	30.0	57.8	58.9	59.8	60.4	60.7	61.0	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.4	61.8
GE 10000	30.9	59.9	61.1	62.0	62.7	63.0	63.3	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.7	64.1
GE 9000	30.9	60.3	61.5	62.4	63.1	63.3	63.6	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.1	64.5
GE 8000	31.6	61.8	62.9	63.9	64.6	64.8	65.1	65.2	65.3	65.4	65.4	65.4	65.5	65.5	65.6	66.0
GE 7000	31.8	62.4	63.5	64.5	65.2	65.5	65.8	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.6
GE 6000	32.1	62.9	64.1	65.0	65.8	66.0	66.3	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	67.1
GE 5000	32.6	63.9	65.2	66.1	66.9	67.1	67.4	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.9	68.3
GE 4500	32.9	64.6	65.8	66.8	67.5	67.8	68.1	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.5	68.9
GE 4000	33.1	65.4	66.7	67.7	68.5	68.8	69.1	69.2	69.3	69.4	69.4	69.4	69.5	69.5	69.6	70.0
GE 3500	33.3	66.1	67.4	68.5	69.3	69.6	69.9	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.4	70.8
GE 3000	33.8	67.7	69.1	70.2	71.1	71.5	71.8	72.0	72.0	72.2	72.2	72.2	72.3	72.3	72.4	72.8
GE 2500	34.2	69.4	70.9	72.0	73.1	73.5	73.9	74.1	74.1	74.3	74.4	74.4	74.4	74.4	74.5	74.9
GE 2000	34.4	70.7	72.3	73.4	74.5	74.9	75.4	75.7	75.7	76.0	76.0	76.0	76.1	76.1	76.2	76.6
GE 1800	34.5	71.2	72.8	74.0	75.3	75.7	76.2	76.5	76.5	76.8	76.8	76.8	76.9	76.9	77.0	77.4
GE 1500	35.0	72.9	74.9	76.3	77.8	78.3	78.8	79.2	79.2	79.5	79.6	79.6	79.6	79.6	79.7	80.1
GE 1200	35.3	74.4	76.6	78.1	79.8	80.4	81.1	81.5	81.6	82.0	82.0	82.0	82.1	82.1	82.2	82.6
GE 1000	35.4	75.8	78.2	79.8	82.1	82.7	83.7	84.2	84.3	84.7	84.8	84.8	84.9	84.9	85.0	85.4
GE 900	35.4	76.2	78.9	80.7	83.2	83.9	85.1	85.7	85.9	86.4	86.4	86.4	86.6	86.6	86.7	87.1
GE 800	35.4	76.7	79.5	81.6	84.3	85.0	86.2	86.9	87.1	87.6	87.7	87.7	87.8	87.9	88.0	88.4
GE 700	35.4	76.9	79.8	82.0	84.9	85.7	87.0	87.9	88.2	88.8	88.8	88.8	89.0	89.1	89.2	89.7
GE 600	35.4	77.0	80.0	82.3	85.3	86.3	87.8	88.9	89.2	90.0	90.1	90.1	90.3	90.3	90.4	90.9
GE 500	35.4	77.1	80.3	82.7	85.9	87.0	88.8	90.1	90.6	91.6	91.8	91.8	92.0	92.1	92.2	92.7
GE 400	35.4	77.2	80.4	82.9	86.1	87.4	89.4	91.0	91.6	92.9	93.2	93.2	93.5	93.5	93.7	94.2
GE 300	35.4	77.2	80.4	83.0	86.3	87.6	89.8	91.8	92.6	94.3	94.7	94.8	95.1	95.2	95.5	96.0
GE 200	35.4	77.2	80.4	83.0	86.4	87.7	89.9	92.0	92.9	94.9	95.6	95.6	96.2	96.3	96.9	97.8
GE 100	35.4	77.2	80.4	83.0	86.4	87.7	89.9	92.0	93.0	95.0	95.8	96.0	96.7	96.9	97.8	99.4
GE 0	35.4	77.2	80.4	83.0	86.4	87.7	89.9	92.0	93.0	95.0	95.8	96.0	96.7	96.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS (LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.1	55.9	56.8	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.7
GE 20000	33.1	60.0	60.9	61.3	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8
GE 18000	33.2	60.2	61.1	61.5	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0
GE 16000	33.2	60.2	61.1	61.5	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0
GE 14000	33.2	60.3	61.2	61.6	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.2
GE 12000	33.5	61.3	62.2	62.6	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.1
GE 10000	33.7	62.3	63.1	63.5	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1
GE 9000	33.7	62.3	63.1	63.5	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1
GE 8000	34.8	64.8	65.7	66.2	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
GE 7000	35.1	66.1	67.0	67.5	67.8	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1
GE 6000	35.2	66.6	67.4	68.0	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5
GE 5000	35.8	68.3	69.1	69.7	70.0	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.3
GE 4500	36.3	70.1	71.0	71.5	71.8	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.2
GE 4000	36.7	71.5	72.5	73.0	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.7
GE 3500	37.0	73.2	74.3	74.8	75.3	75.3	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.6
GE 3000	37.1	74.9	76.2	76.9	77.3	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.7
GE 2500	37.2	76.2	77.5	78.2	78.6	78.6	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	79.0
GE 2000	38.0	77.5	78.9	79.6	80.1	80.1	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.8
GE 1800	38.4	78.5	80.0	80.6	81.2	81.2	81.5	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.8
GE 1500	38.9	80.0	81.6	82.4	83.1	83.1	83.4	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.8
GE 1200	38.9	81.5	83.7	84.5	85.3	85.3	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	86.0
GE 1000	39.1	84.0	86.1	87.4	88.3	88.3	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.1
GE 900	39.1	84.4	87.0	88.6	89.5	89.7	90.4	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.9
GE 800	39.1	85.5	88.3	90.4	91.4	91.6	92.6	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.2
GE 700	39.1	85.6	88.4	90.6	92.0	92.3	93.3	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.1
GE 600	39.1	85.7	88.6	91.3	92.7	92.9	94.3	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	95.1
GE 500	39.1	86.0	89.4	92.6	94.3	94.5	96.2	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.2
GE 400	39.1	86.0	89.5	92.8	95.4	95.6	97.4	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.8
GE 300	39.1	86.0	89.6	92.9	95.7	96.0	98.1	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.6
GE 200	39.1	86.0	89.6	92.9	95.9	96.2	98.3	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	100.0
GE 100	39.1	86.0	89.6	92.9	95.9	96.2	98.3	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	100.0
GE J1	39.1	86.0	89.6	92.9	95.9	96.2	98.3	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	GE 0	
NO CEIL	28.2	55.1	56.0	56.6	57.1	57.1	57.2	57.2	57.3	57.4	57.5	57.5	57.5	57.5	57.5	
GE 20000	30.2	58.3	59.2	60.1	60.6	60.6	60.8	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.1	
GE 18000	30.2	58.5	59.5	60.3	60.9	60.9	61.0	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	
GE 16000	30.2	58.5	59.5	60.3	60.9	60.9	61.0	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	
GE 14000	30.2	58.6	59.6	60.4	61.0	61.0	61.1	61.1	61.2	61.3	61.4	61.4	61.4	61.4	61.4	
GE 12000	30.3	58.8	59.8	60.6	61.2	61.2	61.3	61.3	61.4	61.5	61.6	61.6	61.6	61.6	61.6	
GE 10000	31.5	61.3	62.3	63.1	63.7	63.7	63.8	63.8	63.9	64.0	64.1	64.1	64.1	64.1	64.1	
GE 9000	31.5	61.3	62.3	63.1	63.7	63.7	63.8	63.8	63.9	64.0	64.1	64.1	64.1	64.1	64.1	
GE 8000	32.6	62.8	63.8	64.6	65.2	65.2	65.3	65.3	65.4	65.5	65.6	65.6	65.6	65.6	65.6	
GE 7000	33.0	63.7	64.8	65.7	66.2	66.2	66.3	66.3	66.5	66.6	66.7	66.7	66.7	66.7	66.7	
GE 6000	33.3	64.2	65.4	66.2	66.8	66.8	66.9	66.9	67.0	67.1	67.2	67.2	67.2	67.2	67.2	
GE 5000	33.5	65.5	66.8	67.6	68.2	68.2	68.3	68.3	68.4	68.5	68.6	68.6	68.6	68.6	68.6	
GE 4500	34.1	67.4	68.7	69.6	70.3	70.3	70.4	70.4	70.5	70.6	70.8	70.8	70.8	70.8	70.8	
GE 4000	34.4	69.0	70.5	71.4	72.2	72.2	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	
GE 3500	34.4	70.0	71.7	72.6	73.4	73.4	73.5	73.5	73.7	73.8	73.9	73.9	73.9	73.9	73.9	
GE 3000	34.7	71.5	73.5	74.7	75.9	75.9	76.1	76.1	76.2	76.3	76.5	76.5	76.5	76.5	76.5	
GE 2500	35.1	72.3	74.3	75.5	76.7	76.7	76.9	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	
GE 2000	35.3	73.0	75.2	76.3	77.6	77.6	77.8	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	
GE 1800	36.2	74.5	76.7	77.8	79.2	79.2	79.5	79.6	79.7	79.8	79.9	79.9	79.9	79.9	79.9	
GE 1500	36.7	76.1	78.4	79.8	81.2	81.2	81.4	81.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	
GE 1200	36.9	78.3	80.6	82.3	83.7	83.7	83.9	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.3	
GE 1000	37.3	80.3	82.8	84.5	86.0	86.1	86.3	86.5	86.6	86.8	86.9	86.9	86.9	86.9	86.9	
GE 900	37.6	81.5	84.4	86.2	87.8	88.1	88.5	88.6	88.8	89.0	89.1	89.1	89.1	89.1	89.1	
GE 800	37.6	82.3	85.6	87.5	89.1	89.4	89.8	89.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	
GE 700	37.7	82.5	85.9	88.2	90.0	90.2	90.6	90.8	91.0	91.2	91.3	91.3	91.3	91.3	91.3	
GE 600	37.8	83.0	86.7	89.2	91.1	91.3	91.7	91.8	92.0	92.3	92.4	92.4	92.4	92.4	92.4	
GE 500	37.8	83.4	87.2	90.1	92.7	92.9	93.4	93.7	93.9	94.2	94.3	94.3	94.4	94.4	94.5	
GE 400	37.8	83.5	87.3	90.4	93.7	93.9	94.9	95.6	95.8	96.3	96.5	96.5	96.6	96.6	96.7	
GE 300	37.8	83.8	87.5	90.9	94.7	95.1	96.2	96.9	97.1	97.7	97.8	97.8	98.0	98.0	98.1	
GE 200	37.8	83.8	87.5	90.9	94.8	95.2	96.5	97.3	97.5	98.6	98.7	98.7	98.9	98.9	99.0	
GE 100	37.8	83.8	87.5	90.9	94.8	95.2	96.5	97.3	97.6	98.7	98.9	98.9	99.2	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.3	49.0	50.0	51.6	52.2	52.3	52.3	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.7	52.7
GE 20000	28.4	54.1	55.1	56.9	57.6	57.7	57.7	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.4	58.4
GE 18000	28.5	54.3	55.3	57.1	57.8	58.0	58.0	58.2	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6
GE 16000	28.5	54.3	55.3	57.1	57.8	58.0	58.0	58.2	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6
GE 14000	28.5	54.4	55.4	57.2	58.0	58.1	58.1	58.3	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7
GE 12000	28.8	55.1	56.0	57.8	58.6	58.7	58.7	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.4	59.4
GE 10000	29.8	57.0	58.1	59.9	60.6	60.9	60.9	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5
GE 9000	29.8	57.2	58.3	60.1	60.9	61.1	61.1	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.7
GE 8000	31.3	59.1	60.2	62.0	62.8	63.0	63.0	63.2	63.4	63.4	63.5	63.5	63.5	63.5	63.7	63.7
GE 7000	32.5	60.6	61.7	63.5	64.3	64.5	64.5	64.7	64.9	64.9	65.1	65.1	65.1	65.1	65.2	65.2
GE 6000	32.6	61.2	62.3	64.2	64.9	65.2	65.2	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8
GE 5000	32.7	62.5	63.5	65.6	66.3	66.7	66.7	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.3	67.3
GE 4500	32.9	63.8	64.8	66.9	67.6	68.0	68.1	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.7
GE 4000	33.2	64.9	66.0	68.3	69.0	69.5	69.6	69.8	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3
GE 3500	33.2	65.7	66.8	69.0	69.8	70.2	70.3	70.5	70.9	70.9	71.0	71.0	71.0	71.0	71.1	71.1
GE 3000	33.3	67.3	68.5	71.1	71.8	72.3	72.4	72.6	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1
GE 2500	33.7	67.8	69.1	71.7	72.5	72.9	73.0	73.2	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8
GE 2000	33.8	69.0	70.4	73.0	73.8	74.2	74.3	74.5	74.8	74.8	74.9	74.9	74.9	74.9	75.1	75.1
GE 1800	34.3	69.9	71.3	73.9	74.6	75.1	75.2	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.9	75.9
GE 1500	34.7	72.2	73.8	76.3	77.2	77.6	78.0	78.2	78.5	78.5	78.6	78.6	78.6	78.6	78.7	78.7
GE 1200	34.9	74.1	75.8	78.5	79.6	80.0	80.3	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.1
GE 1000	35.5	75.7	78.0	81.1	82.4	82.9	83.2	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2
GE 900	35.5	76.6	79.2	82.4	83.7	84.3	84.8	85.2	85.6	85.6	85.7	85.7	85.7	85.7	85.8	85.8
GE 800	35.5	77.0	80.0	83.2	84.8	85.6	86.1	86.5	86.9	86.9	87.1	87.1	87.1	87.1	87.2	87.2
GE 700	35.6	77.3	80.8	84.3	86.3	87.2	87.7	88.3	88.7	88.7	88.9	88.9	88.9	88.9	89.0	89.0
GE 600	35.6	77.6	81.4	85.1	87.6	88.6	89.8	90.4	90.9	90.9	91.3	91.3	91.3	91.3	91.4	91.4
GE 500	35.6	77.8	82.0	85.9	88.8	90.0	91.2	92.2	92.6	92.7	93.1	93.2	93.2	93.2	93.3	93.3
GE 400	35.6	78.0	82.7	86.7	89.9	91.1	92.8	93.8	94.3	94.4	94.8	94.9	95.1	95.1	95.2	95.2
GE 300	35.6	78.0	82.8	87.1	90.5	91.8	94.1	95.1	95.9	96.0	96.6	96.7	96.8	96.8	96.9	96.9
GE 200	35.6	78.0	82.8	87.1	90.5	91.8	94.3	95.5	96.3	96.7	97.3	97.4	97.5	97.5	98.1	98.2
GE 100	35.6	78.0	82.8	87.1	90.5	91.8	94.3	95.5	96.3	96.9	97.7	97.8	98.3	98.5	99.4	99.9
GE 0	35.6	78.0	82.8	87.1	90.5	91.8	94.3	95.5	96.3	96.9	97.7	97.8	98.4	98.6	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	26.0	49.7	50.6	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3
GE 20000	29.4	55.5	56.6	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4
GE 18000	29.4	55.7	57.0	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6
GE 16000	29.4	55.8	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
GE 14000	29.7	56.2	57.5	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2
GE 12000	30.5	57.7	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7
GE 10000	31.7	59.6	60.9	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
GE 9000	31.8	59.8	61.1	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
GE 8000	32.2	61.1	62.4	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4
GE 7000	32.7	61.8	63.2	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
GE 6000	33.1	62.5	64.0	64.6	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
GE 5000	33.4	63.5	65.2	65.8	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5
GE 4500	33.4	64.2	65.8	66.5	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
GE 4000	33.8	65.4	67.0	67.7	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7
GE 3500	34.0	66.2	67.8	68.6	69.0	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
GE 3000	34.1	67.2	68.9	69.8	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8
GE 2500	34.4	68.3	70.0	70.9	71.3	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
GE 2000	35.2	70.8	72.9	73.9	74.4	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
GE 1800	35.5	71.7	73.9	74.8	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2
GE 1500	36.0	75.1	77.4	79.1	79.9	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.8
GE 1200	36.7	77.8	80.6	82.6	83.4	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5
GE 1000	36.7	78.9	82.0	84.0	85.2	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6
GE 900	36.7	79.2	82.7	84.7	86.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
GE 800	36.7	79.8	83.4	86.0	88.3	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
GE 700	36.8	80.4	84.3	87.1	89.4	90.6	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8
GE 600	36.8	80.6	85.3	88.4	91.2	92.7	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.5	94.5	94.6
GE 500	36.8	80.9	85.5	88.7	91.8	93.3	94.5	95.2	95.2	95.3	95.3	95.3	95.5	95.5	95.6	95.7
GE 400	36.8	80.9	86.0	89.4	92.8	94.3	95.5	96.2	96.3	96.7	96.8	96.8	97.1	97.1	97.2	97.3
GE 300	36.8	80.9	86.0	89.4	93.2	94.7	95.9	96.8	97.1	97.5	97.6	97.6	98.1	98.1	98.3	98.4
GE 200	36.8	80.9	86.0	89.4	93.2	94.7	95.9	96.8	97.2	98.2	98.6	98.6	99.4	99.5	99.7	99.9
GE 100	36.8	80.9	86.0	89.4	93.2	94.7	95.9	96.8	97.2	98.2	98.6	98.6	99.5	99.6	99.8	100.0
GE 0	36.8	80.9	86.0	89.4	93.2	94.7	95.9	96.8	97.2	98.2	98.6	98.6	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.7	49.9	50.2	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
GE 20000	32.5	59.1	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	32.8	59.7	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	32.8	60.0	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 14000	33.2	60.4	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 12000	33.7	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 10000	34.3	62.3	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 9000	34.6	62.9	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 8000	35.1	64.1	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	64.6
GE 7000	35.7	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	65.8	65.8
GE 6000	36.2	66.2	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	36.5	67.4	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4500	36.8	68.1	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	68.7
GE 4000	37.0	69.5	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500	37.7	71.4	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 3000	38.0	73.0	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 2500	38.5	74.4	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 2000	39.7	78.9	80.8	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1800	39.9	79.9	81.9	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 1500	40.2	82.7	85.5	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1200	40.8	84.6	87.8	88.6	89.1	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1000	40.9	85.1	88.3	89.2	90.2	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 900	40.9	85.6	88.8	89.9	91.0	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 800	40.9	86.2	89.6	90.9	92.3	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 700	40.9	87.0	90.4	91.8	93.7	94.8	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 600	40.9	87.2	91.0	92.4	95.3	96.7	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	40.9	87.3	91.2	92.6	95.8	97.2	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	40.9	87.3	91.5	92.9	96.2	97.7	98.4	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	40.9	87.3	91.5	92.9	96.2	97.7	98.4	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	40.9	87.4	91.6	93.0	96.3	97.8	98.5	98.7	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	40.9	87.4	91.6	93.0	96.3	97.8	98.5	98.7	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	40.9	87.4	91.6	93.0	96.3	97.8	98.5	98.7	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 SAFETYAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.6	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
20000	33.0	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
18000	33.4	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
16000	33.4	58.8	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
14000	33.7	59.4	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
12000	34.5	60.3	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	61.2
10000	35.4	63.1	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
9000	35.6	63.8	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
8000	35.8	65.5	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
7000	36.6	66.9	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
6000	37.0	67.5	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
5000	37.2	68.1	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
4500	37.7	68.7	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4000	38.2	70.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
3500	39.1	72.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
3000	39.6	74.6	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2500	41.0	79.2	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2000	41.3	82.5	84.5	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
1800	41.3	83.1	85.2	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1500	41.4	85.2	87.6	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
1200	41.6	86.7	89.4	90.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1000	41.6	87.1	89.9	91.6	92.8	92.9	93.2	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5
900	41.7	87.5	90.4	92.4	93.7	93.9	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6
800	41.7	88.4	91.6	94.0	95.4	95.7	96.1	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
700	41.7	88.5	91.8	94.2	95.8	96.1	96.8	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
600	41.7	88.5	91.9	94.3	96.1	96.6	97.4	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
500	41.7	88.5	91.9	94.3	96.2	96.9	97.7	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	41.7	88.5	91.9	94.3	96.3	97.0	97.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	41.7	88.5	91.9	94.3	96.3	97.0	98.0	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	41.7	88.5	91.9	94.3	96.3	97.0	98.0	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	41.7	88.5	91.9	94.3	96.3	97.0	98.0	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	41.7	88.5	91.9	94.3	96.3	97.0	98.0	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	28.6	49.5	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
GE 20000	32.9	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 18000	33.0	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 16000	33.0	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 14000	33.1	60.5	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	
GE 12000	34.0	62.4	62.7	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	
GE 10000	34.4	65.2	65.5	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	
GE 9000	34.4	65.2	65.5	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	
GE 8000	35.1	68.3	68.6	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 7000	35.8	69.5	69.8	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	
GE 6000	36.0	69.8	70.1	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	
GE 5000	36.3	70.6	71.0	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
GE 4500	36.6	71.6	71.9	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
GE 4000	37.4	74.4	74.7	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
GE 3500	37.8	75.6	75.9	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	
GE 3000	38.4	78.2	78.5	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	
GE 2500	39.4	81.8	82.9	83.9	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	
GE 2000	39.8	84.1	85.2	86.3	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
GE 1800	40.0	84.7	85.8	87.0	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	
GE 1600	40.0	85.9	87.1	88.7	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	
GE 1200	40.0	87.0	88.3	90.1	91.2	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	
GE 1000	40.7	88.0	89.4	91.3	92.7	93.0	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
GE 900	40.3	88.3	90.0	92.0	93.8	94.1	94.7	94.7	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	
GE 800	40.3	88.3	90.6	93.0	95.3	95.7	96.3	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 700	40.3	88.3	90.9	93.3	96.2	96.7	97.5	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 600	40.3	88.3	90.9	93.3	96.3	97.0	98.2	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 500	40.3	88.3	90.9	93.3	96.3	97.1	98.3	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 400	40.3	88.3	90.9	93.3	96.5	97.2	98.4	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 300	40.3	88.3	90.9	93.3	96.5	97.2	98.4	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	40.3	88.3	90.9	93.3	96.5	97.2	98.4	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	40.3	88.3	90.9	93.3	96.5	97.2	98.4	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.9	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	33.4	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	33.4	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	33.4	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	60.6	60.6
GE 14000	33.4	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	60.6	60.6
GE 12000	34.2	61.5	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
GE 10000	34.8	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	34.8	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000	35.4	65.5	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 7000	35.5	66.3	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 6000	35.6	66.6	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 5000	36.6	68.9	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 4500	37.0	70.1	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4000	37.8	72.7	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3500	37.8	74.1	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3000	38.0	76.2	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 2500	38.6	79.8	80.6	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 2000	39.6	82.5	83.4	84.4	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800	39.8	82.9	84.1	85.1	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1500	40.2	84.5	85.8	87.0	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1200	40.3	85.5	86.8	88.1	88.9	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	40.5	87.5	89.0	90.4	91.3	91.3	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 900	40.6	88.1	89.9	91.5	92.5	92.5	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	40.6	88.7	90.5	92.7	94.0	94.0	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 700	40.6	89.2	91.1	93.4	95.2	95.2	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	40.6	89.8	91.6	94.0	95.8	95.8	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	40.6	89.6	91.6	94.3	96.2	96.2	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	40.6	89.8	91.6	94.3	96.2	96.2	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	40.6	89.8	91.6	94.3	96.5	96.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	40.6	89.8	91.6	94.3	96.5	96.5	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	40.6	89.8	91.6	94.3	96.5	96.5	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	40.6	89.8	91.6	94.3	96.5	96.5	98.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	28.4	51.2	51.8	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	
GE 20000	31.6	58.1	58.8	59.2	59.5	59.5	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	
GE 18000	31.7	58.4	59.1	59.5	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	
GE 16000	31.7	58.5	59.3	59.7	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	
GE 14000	31.9	58.8	59.5	60.0	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	
GE 12000	32.4	59.8	60.5	61.0	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	
GE 10000	33.2	61.8	62.5	63.0	63.3	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	
GE 9000	33.3	62.0	62.7	63.3	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
GE 8000	34.0	63.9	64.6	65.2	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	
GE 7000	34.6	65.0	65.8	66.4	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	
GE 6000	34.9	65.6	66.4	66.9	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	
GE 5000	35.3	66.9	67.7	68.3	68.6	68.6	68.7	68.7	69.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	
GE 4500	35.6	68.0	68.8	69.4	69.7	69.8	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
GE 4000	36.1	69.7	70.7	71.3	71.6	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	
GE 3500	36.4	71.1	72.0	72.7	73.1	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	
GE 3000	36.6	72.9	74.0	74.8	75.2	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	
GE 2500	37.2	75.0	76.3	77.2	77.7	77.8	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	
GE 2000	37.8	77.3	78.9	80.0	80.6	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	
GE 1800	38.2	78.2	79.9	80.9	81.6	81.7	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	
GE 1500	38.5	80.2	82.2	83.5	84.3	84.5	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	
GE 1200	38.8	81.9	84.1	85.7	86.6	86.8	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
GE 1000	39.0	83.3	85.7	87.4	88.6	88.9	89.3	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	
GE 900	39.1	83.9	86.6	88.5	89.8	90.1	90.7	90.8	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	
GE 800	39.1	84.5	87.5	89.7	91.3	91.8	92.4	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	
GE 700	39.1	84.9	87.9	90.4	92.3	92.9	93.7	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	
GE 600	39.1	85.1	88.4	91.0	93.3	93.9	95.0	95.3	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	
GE 500	39.1	85.3	88.7	91.5	94.0	94.8	95.9	96.5	96.7	96.9	97.0	97.0	97.0	97.0	97.1	97.1	
GE 400	39.1	85.3	88.9	91.8	94.6	95.4	96.7	97.4	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.3	
GE 300	39.1	85.3	89.0	91.9	95.0	95.8	97.2	98.0	98.4	98.7	98.8	98.8	98.9	98.9	98.9	99.0	
GE 200	39.1	85.3	89.0	91.9	95.0	95.8	97.3	98.1	98.5	99.1	99.3	99.3	99.4	99.5	99.6	99.6	
GE 100	39.1	85.3	89.0	91.9	95.0	95.8	97.3	98.1	98.5	99.1	99.4	99.4	99.6	99.6	99.8	100.0	
GE 0	39.1	85.3	89.0	91.9	95.0	95.8	97.3	98.1	98.5	99.1	99.4	99.4	99.6	99.7	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(LIST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.3	61.6	62.3	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	38.2	66.7	67.2	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 18000	38.4	66.9	67.4	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 16000	38.4	66.9	67.4	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 14000	38.4	66.9	67.4	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 12000	38.8	67.7	68.2	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 10000	39.0	69.6	70.1	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 9000	39.1	69.7	70.2	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 8000	39.9	71.8	72.3	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 7000	40.2	72.8	73.3	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 6000	40.6	73.7	74.2	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 5000	41.0	75.1	76.0	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 4500	41.3	76.4	77.3	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4000	42.1	78.8	79.7	80.2	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	42.6	80.1	81.0	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3000	42.9	81.8	82.9	83.6	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	42.9	82.6	83.7	84.3	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 2000	43.2	84.8	86.1	86.8	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1800	43.3	85.6	86.9	87.6	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1500	43.4	86.8	88.1	88.9	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1200	43.9	87.9	89.3	90.3	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	44.3	89.8	91.7	92.8	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 900	44.6	90.6	92.8	94.0	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	44.7	90.9	93.6	94.8	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	44.7	91.2	94.1	95.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	44.8	92.1	95.0	96.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	44.8	92.1	95.0	96.4	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	44.8	92.3	95.2	96.8	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	44.8	92.3	95.2	97.0	98.4	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	44.8	92.3	95.2	97.0	98.4	98.7	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	44.8	92.3	95.2	97.0	98.4	98.7	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	100.0	100.0
GE 0	44.8	92.3	95.2	97.0	98.4	98.7	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	32.8	56.2	56.4	57.1	57.7	57.8	57.9	58.1	58.1	58.4	58.6	58.6	58.8	58.8	58.9	58.9	
GE 20000	34.4	60.9	61.1	61.8	62.3	62.4	62.6	62.8	62.8	63.1	63.2	63.2	63.4	63.4	63.6	63.6	
GE 18000	34.9	61.3	61.6	62.2	62.8	62.9	63.0	63.2	63.2	63.6	63.7	63.7	63.9	63.9	64.0	64.0	
GE 16000	34.9	61.3	61.6	62.2	62.8	62.9	63.0	63.2	63.2	63.6	63.7	63.7	63.9	63.9	64.0	64.0	
GE 14000	34.9	61.3	61.6	62.2	62.8	62.9	63.0	63.2	63.2	63.6	63.7	63.7	63.9	63.9	64.0	64.0	
GE 12000	35.2	62.4	62.7	63.3	63.9	64.0	64.1	64.3	64.3	64.7	64.8	64.8	65.0	65.0	65.1	65.1	
GE 10000	35.9	65.1	65.3	66.0	66.6	66.7	66.8	67.0	67.0	67.3	67.4	67.4	67.7	67.7	67.8	67.8	
GE 9000	35.9	65.2	65.4	66.1	66.7	66.8	66.9	67.1	67.1	67.4	67.6	67.6	67.8	67.8	67.9	67.9	
GE 8000	37.4	68.3	68.6	69.2	69.8	69.9	70.0	70.2	70.2	70.6	70.7	70.7	70.9	70.9	71.0	71.0	
GE 7000	37.4	68.6	68.8	69.4	70.0	70.1	70.2	70.4	70.4	70.8	70.9	70.9	71.1	71.1	71.2	71.2	
GE 6000	37.7	69.3	69.6	70.2	70.8	70.9	71.0	71.2	71.2	71.6	71.7	71.7	71.9	71.9	72.0	72.0	
GE 5000	38.6	71.6	71.8	72.6	73.1	73.2	73.3	73.6	73.7	74.0	74.1	74.1	74.3	74.3	74.4	74.4	
GE 4500	39.3	73.2	73.4	74.2	74.9	75.0	75.2	75.4	75.6	75.9	76.0	76.0	76.2	76.2	76.3	76.3	
GE 4000	39.7	73.9	74.1	74.9	75.6	75.7	75.9	76.1	76.2	76.6	76.7	76.7	76.9	76.9	77.0	77.0	
GE 3500	40.2	74.7	74.9	75.7	76.3	76.4	76.7	76.9	77.0	77.3	77.4	77.4	77.7	77.7	77.8	77.8	
GE 3000	40.4	77.3	77.6	78.3	79.0	79.1	79.3	79.6	79.7	80.0	80.1	80.1	80.3	80.3	80.4	80.4	
GE 2500	40.8	79.7	80.4	81.2	81.9	82.0	82.2	82.4	82.6	82.9	83.0	83.0	83.2	83.2	83.3	83.3	
GE 2000	40.9	81.3	82.2	83.0	83.7	83.8	84.0	84.2	84.3	84.7	84.8	84.8	85.0	85.0	85.1	85.1	
GE 1800	40.9	81.3	82.2	83.0	83.7	83.8	84.0	84.2	84.3	84.7	84.8	84.8	85.0	85.0	85.1	85.1	
GE 1500	41.3	83.4	84.3	85.3	86.1	86.2	86.4	86.7	86.8	87.1	87.2	87.2	87.4	87.4	87.6	87.6	
GE 1200	41.4	84.9	86.2	87.3	88.2	88.3	88.6	88.8	88.9	89.2	89.3	89.3	89.6	89.6	89.7	89.7	
GE 1000	41.6	86.4	88.1	89.2	90.1	90.2	90.4	90.7	90.8	91.1	91.2	91.2	91.4	91.4	91.6	91.6	
GE 900	41.6	86.8	89.0	90.1	91.0	91.1	91.3	91.6	91.7	92.0	92.1	92.1	92.3	92.3	92.4	92.4	
GE 800	41.6	87.3	90.1	91.2	92.1	92.2	92.7	92.9	93.0	93.3	93.4	93.4	93.7	93.7	93.8	93.8	
GE 700	41.6	87.4	91.2	92.9	93.9	94.0	94.4	94.7	94.8	95.1	95.2	95.2	95.4	95.4	95.6	95.6	
GE 600	41.6	87.7	91.9	93.6	94.6	94.7	95.2	95.4	95.6	95.9	96.0	96.0	96.2	96.2	96.3	96.3	
GE 500	41.6	87.9	92.2	94.2	95.2	95.3	95.9	96.1	96.3	96.7	96.8	96.8	97.0	97.0	97.1	97.1	
GE 400	41.6	88.2	92.7	94.8	95.9	96.0	96.7	97.1	97.4	97.9	98.0	98.0	98.2	98.2	98.3	98.3	
GE 300	41.6	88.2	92.7	95.0	96.3	96.4	97.1	97.8	98.2	98.7	98.8	98.8	99.0	99.0	99.1	99.2	
GE 200	41.6	88.2	92.7	95.0	96.3	96.4	97.2	97.9	98.3	98.8	99.0	99.0	99.2	99.2	99.3	99.6	
GE 100	41.6	88.2	92.7	95.0	96.3	96.4	97.2	97.9	98.3	98.8	99.0	99.0	99.3	99.3	99.8	100.0	
GE 0	41.6	88.2	92.7	95.0	96.3	96.4	97.2	97.9	98.3	98.8	99.0	99.0	99.3	99.3	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE U
NO CEIL	27.6	51.6	52.1	52.2	52.7	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.6
GE 20000	30.2	56.8	57.4	57.6	58.0	58.0	58.0	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	59.0
GE 18000	30.6	57.2	57.9	58.0	58.4	58.4	58.4	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.4
GE 16000	30.7	57.3	58.0	58.1	58.6	58.6	58.6	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.6
GE 14000	30.8	58.1	58.8	58.9	59.3	59.3	59.3	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.3
GE 12000	31.6	59.1	59.8	59.9	60.3	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.3
GE 10000	32.1	60.7	61.3	61.4	61.9	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.9
GE 9000	32.1	60.7	61.3	61.4	62.0	62.0	62.0	62.4	62.4	62.4	62.4	62.4	62.6	62.6	62.6	63.0
GE 8000	33.3	64.7	65.3	65.6	66.1	66.1	66.1	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	67.1
GE 7000	33.8	66.2	66.9	67.2	67.9	67.9	68.0	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	69.0
GE 6000	34.6	67.3	68.1	68.4	69.1	69.1	69.2	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	70.2
GE 5000	35.7	69.8	70.6	70.9	71.7	71.7	71.8	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.8
GE 4500	35.7	70.2	71.0	71.6	72.4	72.4	72.6	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.6
GE 4000	36.3	71.7	72.8	73.4	74.7	74.8	75.0	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6	76.0
GE 3500	36.6	72.1	73.2	74.0	75.2	75.3	75.6	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.6
GE 3000	36.7	73.8	75.0	75.8	77.0	77.1	77.3	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	78.3
GE 2500	37.3	75.8	77.1	78.0	79.2	79.3	79.7	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.7
GE 2000	37.6	77.0	78.8	79.9	81.1	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.9
GE 1800	37.6	77.3	79.1	80.2	81.4	81.8	82.3	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	83.3
GE 1500	37.7	78.9	80.8	82.0	83.2	83.7	84.6	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.7
GE 1200	37.7	80.2	82.2	83.4	84.7	85.2	86.2	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.3
GE 1000	37.7	81.1	83.4	84.8	86.1	86.7	87.7	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.8
GE 900	37.7	81.6	84.4	86.0	87.3	87.9	88.9	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	90.2
GE 800	37.8	82.3	85.7	87.2	88.9	89.4	90.6	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	92.0
GE 700	37.8	82.8	86.4	88.4	90.1	90.7	91.8	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	93.2
GE 600	37.8	82.9	86.8	88.9	90.7	91.3	92.4	93.2	93.3	93.3	93.3	93.3	93.6	93.6	93.6	94.0
GE 500	37.8	83.1	87.2	89.8	91.9	92.6	93.7	94.4	94.7	94.7	94.7	94.7	94.9	94.9	94.9	95.3
GE 400	37.8	83.3	87.6	90.2	92.8	93.4	95.1	95.9	96.1	96.2	96.4	96.4	96.7	96.7	96.7	97.1
GE 300	37.8	83.3	87.6	90.2	93.0	93.7	95.4	96.4	97.0	97.4	97.8	97.8	98.1	98.1	98.2	98.8
GE 200	37.8	83.3	87.6	90.2	93.0	93.7	95.4	96.4	97.1	97.6	98.0	98.0	98.4	98.4	98.6	99.2
GE 100	37.8	83.3	87.6	90.2	93.0	93.7	95.4	96.4	97.1	97.6	98.2	98.2	98.7	98.7	98.9	99.8
GE 0	37.8	83.3	87.6	90.2	93.0	93.7	95.4	96.4	97.1	97.6	98.2	98.2	98.7	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.2	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.3
GE 20000	32.2	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.3
GE 18000	32.3	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.4
GE 16000	32.3	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.4
GE 14000	32.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0
GE 12000	32.9	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.6
GE 10000	33.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.9
GE 9000	33.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0
GE 8000	35.0	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1
GE 7000	36.3	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1
GE 6000	37.1	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.2
GE 5000	38.3	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7
GE 4500	38.4	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1
GE 4000	39.0	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1
GE 3500	39.2	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.4
GE 3000	39.9	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1
GE 2500	40.7	75.7	76.0	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.7
GE 2000	40.8	77.7	78.2	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.2
GE 1800	41.0	78.4	79.0	79.3	79.7	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	80.0
GE 1500	41.4	81.8	82.7	83.4	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2
GE 1200	41.6	84.0	85.6	86.4	87.1	87.2	87.3	87.3	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.7
GE 1000	41.7	84.8	86.7	87.6	88.3	88.7	88.8	88.8	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.2
GE 900	41.8	85.9	88.2	89.2	90.1	90.7	90.8	90.8	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.2
GE 800	41.8	86.9	89.8	90.8	91.9	92.6	92.7	92.7	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.1
GE 700	41.8	87.6	90.6	91.7	93.2	93.9	94.1	94.1	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.6
GE 600	41.8	88.1	91.4	92.8	94.4	95.1	95.4	95.6	95.6	95.7	95.9	95.9	95.9	95.9	95.9	96.0
GE 500	41.8	88.3	91.9	93.3	95.1	95.8	96.2	96.3	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.9
GE 400	41.8	88.3	92.0	93.6	95.6	96.6	97.6	97.9	98.0	98.1	98.4	98.4	98.6	98.6	98.6	98.7
GE 300	41.8	88.3	92.2	93.8	95.9	97.0	98.1	98.4	98.8	98.9	99.2	99.2	99.4	99.4	99.4	99.6
GE 200	41.8	88.3	92.2	93.6	96.0	97.1	98.2	98.6	99.0	99.1	99.6	99.6	99.8	99.8	99.8	99.9
GE 100	41.8	88.3	92.2	93.8	96.0	97.1	98.2	98.6	99.0	99.2	99.7	99.7	99.9	99.9	99.9	100.0
GE 0	41.8	88.3	92.2	93.8	96.0	97.1	98.2	98.6	99.0	99.2	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 20000	33.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	33.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	33.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	33.3	59.4	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	59.8
GE 12000	33.9	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 10000	34.7	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 9000	34.8	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 8000	36.6	66.8	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 7000	37.4	68.1	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	37.9	68.9	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 5000	38.8	70.6	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4500	39.0	71.8	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4000	39.8	73.8	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3500	40.1	75.0	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 3000	40.7	76.9	77.3	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2500	42.0	80.7	81.4	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2000	42.3	83.7	84.4	84.9	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1800	42.4	84.4	85.2	85.7	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	43.0	87.3	88.2	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	43.2	90.0	91.4	92.3	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1000	43.2	91.2	92.8	93.9	94.3	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	43.2	91.9	93.4	94.8	95.3	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	43.2	92.3	93.9	95.6	96.1	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	43.2	92.4	94.0	95.8	96.4	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	43.2	92.7	94.3	96.1	97.0	97.2	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	43.2	92.8	94.4	96.2	97.2	97.4	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	43.2	92.8	94.4	96.2	97.2	97.6	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 300	43.2	92.8	94.4	96.2	97.2	97.6	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 200	43.2	92.8	94.4	96.2	97.2	97.6	98.4	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	43.2	92.8	94.4	96.2	97.2	97.6	98.4	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 0	43.2	92.8	94.4	96.2	97.2	97.6	98.4	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.1	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	35.6	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 18000	35.8	62.3	62.4	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
GE 16000	35.8	62.3	62.4	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
GE 14000	36.1	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 12000	36.9	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 10000	37.7	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 9000	37.8	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 8000	39.1	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 7000	39.8	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 6000	40.2	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 5000	41.6	74.3	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4500	41.8	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4000	43.0	78.4	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3500	43.7	79.4	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3000	44.2	81.8	82.0	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	45.3	84.8	85.1	85.9	86.2	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	45.8	87.1	87.7	88.4	88.8	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1800	46.1	88.6	89.1	89.9	90.2	90.4	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1600	46.2	91.4	92.3	93.2	93.6	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	46.3	92.1	93.1	94.1	94.4	94.8	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1000	46.4	92.7	93.8	94.9	95.2	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 900	46.4	93.0	94.8	96.2	96.6	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	46.4	93.6	95.6	97.3	97.8	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	46.4	93.6	95.6	97.4	97.9	98.3	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	46.4	93.6	95.6	97.4	97.9	98.3	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	46.4	93.6	95.7	97.6	98.0	98.6	98.6	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	46.4	93.6	95.7	97.6	98.0	98.6	98.6	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	46.4	93.6	95.7	97.6	98.0	98.6	98.6	99.2	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	46.4	93.6	95.7	97.6	98.0	98.6	98.6	99.2	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	46.4	93.6	95.7	97.6	98.0	98.6	98.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	46.4	93.6	95.7	97.6	98.0	98.6	98.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CLIL	33.3	57.9	58.0	58.0	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 20000	37.8	67.8	68.0	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	37.8	67.8	68.0	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	37.9	67.9	68.1	68.1	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 14000	38.3	68.4	68.7	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 12000	39.2	70.3	70.6	70.6	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	40.0	72.0	72.2	72.2	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 9000	40.0	72.0	72.2	72.2	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 8000	40.2	73.1	73.3	73.3	73.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 7000	40.9	75.0	75.2	75.2	75.3	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 6000	41.4	76.0	76.2	76.2	76.3	76.3	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 5000	42.3	77.8	78.3	78.3	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	43.1	79.4	80.0	80.0	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4000	43.4	81.3	82.2	82.3	82.4	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3500	43.9	82.4	83.6	83.7	83.8	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 3000	44.1	83.4	84.7	84.8	84.9	84.9	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 2500	45.0	85.7	86.9	87.0	87.1	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2000	45.1	88.1	89.4	89.6	89.7	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1800	45.1	89.4	90.8	90.9	91.0	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1500	45.1	90.6	91.9	92.1	92.3	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1200	45.1	91.3	92.7	93.0	93.2	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	45.1	92.0	93.6	93.9	94.2	94.2	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 900	45.1	92.4	94.7	95.0	95.3	95.6	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	45.1	92.7	95.0	95.6	96.0	96.4	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	45.1	92.7	95.1	95.9	96.8	97.2	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	45.1	92.7	95.3	96.1	97.1	97.6	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	45.1	92.7	95.4	96.4	97.6	98.0	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	45.1	92.7	95.4	96.4	97.6	98.1	98.9	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 300	45.1	92.7	95.4	96.4	97.6	98.1	98.9	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	45.1	92.7	95.4	96.4	97.6	98.1	98.9	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	45.1	92.7	95.4	96.4	97.6	98.1	98.9	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	45.1	92.7	95.4	96.4	97.6	98.1	98.9	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE U
NO CEIL	36.8	63.2	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 20000	38.8	68.6	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 18000	38.9	68.7	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 16000	38.9	68.7	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 14000	38.9	68.7	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 12000	39.4	69.9	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 10000	40.3	71.6	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 9000	40.3	71.8	72.4	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
GE 8000	40.8	73.6	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 7000	41.2	74.7	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 6000	41.8	75.9	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 5000	42.8	77.1	78.2	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	42.8	78.1	79.2	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	43.1	79.9	81.1	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3500	43.6	81.4	82.7	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3000	43.9	82.4	84.0	84.3	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2500	44.2	83.7	85.4	85.8	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 2000	44.6	85.8	87.7	88.0	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1800	44.6	86.2	88.1	88.4	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	44.6	86.8	89.0	89.6	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1200	44.7	88.1	90.6	91.1	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	45.0	89.8	92.2	92.8	93.6	93.6	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	45.0	90.6	93.3	94.1	95.0	95.2	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 800	45.0	91.1	93.9	94.8	95.7	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	45.0	91.8	94.9	95.8	97.0	97.2	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	45.1	92.3	95.7	96.7	98.3	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	45.1	92.4	95.8	96.8	98.6	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	45.1	92.4	95.8	96.8	98.6	98.8	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	45.1	92.4	95.8	96.9	98.7	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	45.1	92.4	95.8	96.9	98.7	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	45.1	92.4	95.8	96.9	98.7	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	45.1	92.4	95.8	96.9	98.7	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.1	55.9	56.2	56.3	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8
GE 20000	35.0	62.5	62.8	63.0	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.5
GE 18000	35.2	62.7	63.0	63.2	63.4	63.4	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7
GE 16000	35.3	62.7	63.1	63.2	63.4	63.4	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.7
GE 14000	35.4	63.0	63.4	63.6	63.7	63.7	63.8	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.1
GE 12000	36.0	64.2	64.5	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2
GE 10000	36.7	66.3	66.6	66.8	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3
GE 9000	36.7	66.4	66.8	66.9	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
GE 8000	37.8	69.1	69.4	69.6	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.2
GE 7000	38.4	70.3	70.7	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.5	71.5
GE 6000	38.9	71.3	71.7	71.9	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.5
GE 5000	39.9	73.3	73.8	74.1	74.3	74.3	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7
GE 4500	40.2	74.4	74.9	75.2	75.5	75.6	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9
GE 4000	40.8	76.3	76.9	77.3	77.6	77.7	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.1	78.1
GE 3500	41.2	77.3	77.9	78.3	78.7	78.7	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1
GE 3000	41.6	79.0	79.8	80.2	80.6	80.6	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.1
GE 2500	42.3	81.1	82.0	82.5	83.0	83.1	83.2	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5
GE 2000	42.5	83.2	84.3	84.9	85.4	85.5	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	86.0
GE 1800	42.6	83.9	85.1	85.6	86.1	86.2	86.4	86.5	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.8
GE 1500	42.8	85.9	87.2	87.9	88.5	88.6	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2
GE 1200	43.0	87.3	88.9	89.8	90.4	90.5	90.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.2
GE 1000	43.1	88.5	90.3	91.2	91.9	92.1	92.4	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.9
GE 900	43.2	89.1	91.3	92.4	93.2	93.5	93.8	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.3
GE 800	43.2	89.6	92.2	93.4	94.3	94.6	95.0	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5
GE 700	43.2	89.9	92.7	94.2	95.2	95.5	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.5	96.5
GE 600	43.2	90.3	93.3	94.7	95.9	96.3	96.8	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4
GE 500	43.2	90.4	93.5	95.1	96.4	96.8	97.3	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0
GE 400	43.2	90.5	93.6	95.3	96.7	97.2	97.9	98.4	98.5	98.7	98.8	98.8	98.9	98.9	98.9	99.0
GE 300	43.2	90.5	93.6	95.4	96.9	97.4	98.2	98.8	99.0	99.2	99.3	99.3	99.5	99.5	99.5	99.6
GE 200	43.2	90.5	93.6	95.4	96.9	97.4	98.2	98.8	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.8
GE 100	43.2	90.5	93.6	95.4	96.9	97.4	98.2	98.8	99.1	99.3	99.5	99.5	99.7	99.7	99.8	100.0
GE 0	43.2	90.5	93.6	95.4	96.9	97.4	98.2	98.8	99.1	99.3	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	26.6	58.2	58.7	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4	59.4
GE 20000	29.1	63.7	64.4	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1	65.1
GE 18000	29.2	63.9	64.6	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3
GE 16000	29.2	64.0	64.7	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 14000	29.4	64.3	65.1	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7
GE 12000	29.6	64.9	65.8	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5
GE 10000	31.3	68.3	69.2	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9
GE 9000	31.3	68.4	69.4	69.7	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0
GE 8000	32.6	71.9	72.9	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5
GE 7000	32.8	73.0	74.0	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6
GE 6000	33.3	74.2	75.2	75.5	75.6	75.6	75.6	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
GE 5000	34.2	76.7	78.3	78.6	78.7	78.7	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0
GE 4500	34.4	77.2	78.8	79.1	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7
GE 4000	35.2	80.0	81.9	82.5	82.7	82.7	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 3500	35.7	81.8	83.9	84.5	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1
GE 3000	35.8	84.0	86.3	87.0	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
GE 2500	35.9	85.5	88.1	88.8	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4
GE 2000	36.2	86.6	89.2	90.0	90.3	90.4	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 1800	36.2	86.8	89.5	90.2	90.5	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
GE 1500	36.2	88.0	90.8	91.5	91.8	91.9	92.4	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6
GE 1200	36.5	89.0	92.2	93.0	93.3	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
GE 1000	36.5	90.2	93.3	94.3	94.8	94.9	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 900	36.5	90.3	93.8	94.8	95.4	95.5	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 800	36.5	91.1	94.8	95.9	96.5	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 700	36.5	91.2	95.2	96.2	96.9	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 600	36.5	91.3	95.4	96.6	97.3	97.5	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
GE 500	36.5	91.5	95.6	96.8	97.5	97.7	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 400	36.5	91.5	95.7	96.9	97.6	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 300	36.5	91.5	95.7	97.2	98.3	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 200	36.5	91.5	95.7	97.2	98.3	98.5	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	36.5	91.5	95.7	97.2	98.3	98.5	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	36.5	91.5	95.7	97.2	98.3	98.5	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CLIL	21.8	50.0	51.1	52.3	52.9	53.0	53.5	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.9		
GE 20000	24.3	57.5	58.9	60.1	60.8	60.9	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.7		
GE 18000	24.3	57.8	59.2	60.4	61.1	61.2	61.7	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	62.0		
GE 16000	24.3	58.0	59.4	60.5	61.2	61.3	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.2		
GE 14000	24.3	58.0	59.4	60.5	61.2	61.3	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.2		
GE 12000	24.6	58.9	60.4	61.6	62.3	62.4	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.2		
GE 10000	25.5	61.8	63.5	64.7	65.4	65.5	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.3		
GE 9000	25.7	62.3	64.0	65.2	65.8	65.9	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.8		
GE 8000	27.0	67.0	68.7	69.9	70.5	70.6	71.2	71.5	71.5	71.5	71.5	71.5	71.4	71.4	71.4	71.5		
GE 7000	27.5	68.3	70.1	71.3	72.0	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	73.0		
GE 6000	27.8	68.9	70.9	72.0	72.8	72.9	73.4	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.8		
GE 5000	30.1	73.3	75.8	77.3	78.1	78.2	78.7	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	79.0		
GE 4500	30.2	74.1	76.6	78.1	78.8	78.9	79.5	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.8		
GE 4000	31.3	76.1	78.7	80.4	81.2	81.3	81.8	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.2		
GE 3500	31.3	76.7	79.6	81.3	82.0	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	83.0		
GE 3000	31.7	78.3	81.3	83.0	83.9	84.1	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.9		
GE 2500	32.3	80.1	83.2	85.1	85.9	86.1	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.0		
GE 2000	32.4	81.3	84.4	86.3	87.2	87.4	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.3		
GE 1800	32.4	81.5	84.6	86.6	87.4	87.6	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.5		
GE 1500	32.6	82.6	86.0	88.1	88.9	89.2	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.4		
GE 1200	32.8	83.8	87.2	89.2	90.1	90.4	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.6		
GE 1000	32.9	85.3	89.1	91.5	92.5	92.8	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	94.0		
GE 900	32.9	85.9	89.9	92.4	93.3	93.7	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.8		
GE 800	32.9	86.6	90.5	93.1	94.1	94.4	95.3	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.7		
GE 700	32.9	87.0	91.2	93.9	94.9	95.3	96.1	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.7		
GE 600	32.9	87.2	91.4	94.2	95.4	95.7	96.6	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.2		
GE 500	32.9	87.4	91.6	94.7	95.9	96.2	97.2	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.1		
GE 400	32.9	87.4	91.7	94.9	96.2	96.8	97.7	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8		
GE 300	32.9	87.4	91.8	95.1	96.3	96.9	97.8	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	99.0		
GE 200	32.9	87.4	91.8	95.2	96.6	97.1	98.1	98.9	99.0	99.4	99.4	99.4	99.5	99.5	99.5	100.0		
GE 100	32.9	87.4	91.8	95.2	96.6	97.1	98.1	98.9	99.0	99.4	99.4	99.4	99.5	99.5	99.5	100.0		
GE 0	32.9	87.4	91.8	95.2	96.6	97.1	98.1	98.9	99.0	99.4	99.4	99.4	99.5	99.5	99.5	100.0		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS (LST): 0600-0800

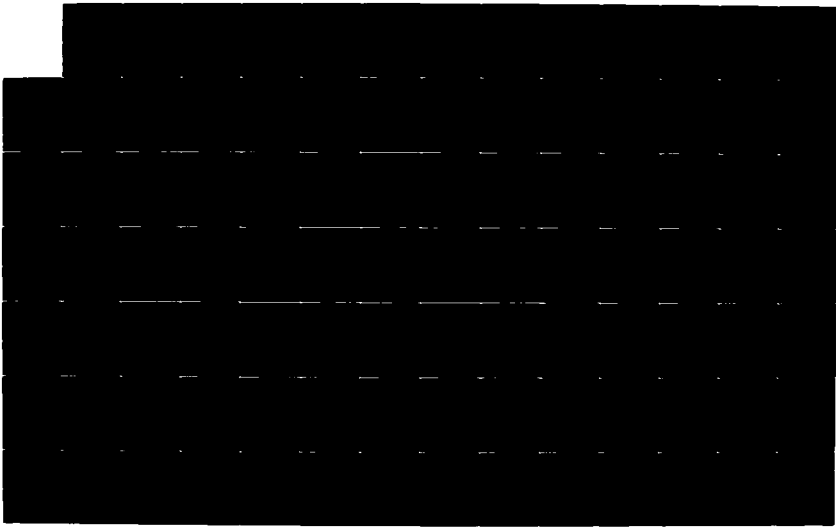
CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.3	44.3	45.8	46.3	47.0	47.0	47.0	47.0	47.1	47.2	47.3	47.3	47.3	47.3	47.4	47.5
GE 20000	21.1	50.5	52.4	53.3	54.1	54.1	54.1	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.5	54.6
GE 18000	21.1	51.1	52.9	53.9	54.6	54.6	54.6	54.6	54.7	54.8	54.9	54.9	54.9	54.9	55.1	55.2
GE 16000	21.2	51.3	53.1	54.1	54.8	54.8	54.8	54.8	54.9	55.1	55.2	55.2	55.2	55.2	55.3	55.4
GE 14000	21.3	51.6	53.4	54.4	55.2	55.2	55.2	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.6	55.7
GE 12000	22.3	53.5	55.5	56.6	57.4	57.4	57.4	57.4	57.5	57.6	57.7	57.7	57.7	57.7	57.8	58.0
GE 10000	23.1	57.3	59.4	60.4	61.4	61.4	61.4	61.4	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.9
GE 9000	23.2	57.5	59.6	60.6	61.6	61.6	61.6	61.6	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.2
GE 8000	24.3	62.7	64.8	65.9	67.0	67.1	67.1	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.5	67.6
GE 7000	24.8	63.9	66.2	67.3	68.5	68.6	68.6	68.6	68.7	68.8	68.9	68.9	68.9	68.9	69.0	69.1
GE 6000	25.3	65.4	67.7	68.9	70.1	70.2	70.2	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.6	70.8
GE 5000	26.1	68.5	71.1	72.3	73.4	73.5	73.5	73.5	73.7	73.8	73.9	73.9	73.9	73.9	74.0	74.1
GE 4000	26.2	68.9	71.5	72.7	73.9	74.0	74.2	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.6	74.7
GE 3000	26.9	71.5	74.2	75.6	76.8	76.9	77.1	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.5	77.6
GE 2000	26.9	72.0	74.8	76.2	77.6	77.7	78.0	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.5	78.6
GE 1000	27.3	73.9	76.8	78.4	79.8	79.9	80.1	80.2	80.3	80.4	80.5	80.5	80.5	80.5	80.6	80.8
GE 2500	28.0	75.1	78.0	79.7	81.5	81.6	81.8	81.9	82.0	82.2	82.3	82.3	82.3	82.3	82.4	82.5
GE 2000	28.4	76.3	79.6	81.4	83.3	83.4	83.7	83.8	84.0	84.1	84.2	84.2	84.2	84.2	84.3	84.4
GE 1800	28.5	77.1	80.3	82.2	84.1	84.2	84.4	84.5	84.7	84.8	84.9	84.9	84.9	84.9	85.0	85.1
GE 1600	29.0	78.5	81.8	83.7	85.6	85.7	85.9	86.0	86.2	86.3	86.5	86.5	86.5	86.5	86.6	86.7
GE 1400	29.4	80.5	84.6	86.6	88.5	88.6	88.8	89.1	89.4	89.5	89.6	89.6	89.6	89.6	89.7	89.8
GE 1000	29.7	81.7	85.9	87.8	89.8	89.9	90.1	90.4	90.6	90.8	90.9	90.9	90.9	90.9	91.0	91.1
GE 900	29.7	82.3	86.7	88.7	90.6	90.9	91.1	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.9	92.0
GE 800	29.8	82.7	87.1	89.5	91.4	91.6	91.8	92.2	92.4	92.5	92.6	92.6	92.6	92.6	92.7	92.8
GE 700	29.8	83.0	87.6	90.1	92.6	92.9	93.1	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.3	94.4
GE 600	30.0	83.3	88.1	90.6	93.1	93.5	93.9	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.4	95.5
GE 500	30.0	83.5	88.4	91.1	93.9	94.4	95.3	96.3	96.7	97.1	97.2	97.2	97.2	97.2	97.3	97.4
GE 400	30.1	83.7	88.6	91.4	94.3	94.9	96.1	97.4	97.7	98.3	98.4	98.4	98.4	98.4	98.5	98.6
GE 300	30.1	83.7	88.6	91.4	94.3	95.1	96.6	98.2	98.6	99.1	99.2	99.2	99.2	99.2	99.3	99.4
GE 200	30.1	83.7	88.6	91.4	94.3	95.1	96.6	98.2	98.6	99.1	99.2	99.2	99.2	99.2	99.3	99.4
GE 100	30.1	83.7	88.6	91.4	94.3	95.1	96.6	98.2	98.6	99.1	99.2	99.2	99.2	99.2	99.3	99.4

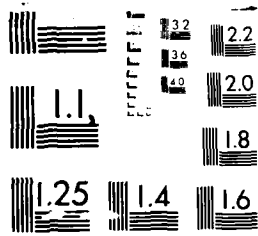
TOTAL NUMBER OF OBSERVATIONS: 930

AD-A179 196

MCCONNELL AFB KANSAS REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT AFB 67 APR 87  
UNSAFEIAC/DS-87/016 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE	
NO CEIL	21.5	47.5	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	24.7	54.5	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	25.1	55.4	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 16000	25.2	55.5	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 14000	25.8	56.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 12000	26.3	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 10000	27.2	61.1	62.0	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 9000	27.2	61.1	62.0	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 8000	28.6	63.9	64.8	64.8	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 7000	29.4	64.9	66.0	66.0	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 6000	29.7	66.0	67.1	67.1	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 5000	30.2	67.3	68.8	68.8	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4500	30.2	67.8	69.4	69.4	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4000	30.5	70.6	72.3	72.4	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3500	30.6	71.2	72.9	73.0	73.4	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	31.5	73.9	75.7	75.8	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 2500	32.4	75.3	77.3	77.4	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2000	33.7	78.8	81.2	81.4	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1800	33.7	79.6	81.9	82.2	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1500	34.5	83.1	85.7	86.0	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1200	35.3	86.0	88.8	89.4	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1000	35.6	88.5	91.5	92.0	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 900	35.9	88.9	92.2	92.8	93.8	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 800	36.1	89.7	93.1	93.8	94.8	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	36.2	90.2	93.9	94.5	95.7	96.1	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	36.2	90.5	94.3	94.9	96.2	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	36.2	90.6	94.8	95.5	96.8	97.2	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	36.2	90.9	95.2	96.0	97.4	97.8	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	36.2	90.9	95.2	96.0	97.4	97.8	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	36.2	90.9	95.2	96.0	97.4	97.8	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	36.2	90.9	95.2	96.0	97.4	97.8	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 0	36.2	90.9	95.2	96.0	97.4	97.8	98.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.0	49.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 20000	28.8	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 18000	28.8	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 16000	28.8	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 14000	29.2	59.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 12000	30.0	60.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 10000	31.5	63.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 9000	31.5	63.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 8000	32.8	66.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 7000	33.0	66.8	67.7	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
GE 6000	33.3	67.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 5000	34.7	69.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4500	35.1	71.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4000	36.1	74.8	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3500	36.6	76.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	38.5	81.4	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	39.2	84.4	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	40.2	87.6	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1800	40.2	87.8	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1500	41.0	91.1	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1200	41.3	93.2	95.5	95.6	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	41.5	93.9	96.1	96.2	96.8	96.8	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	41.5	94.0	96.3	96.6	97.1	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	41.5	94.4	96.8	97.0	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	41.5	94.9	97.5	97.7	98.5	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	41.5	95.1	97.7	98.0	98.7	98.8	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	41.5	95.2	97.8	98.1	98.8	98.9	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	41.5	95.2	97.8	98.1	98.8	98.9	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	41.5	95.2	97.8	98.1	98.9	99.0	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	41.5	95.2	97.8	98.1	98.9	99.0	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	41.5	95.2	97.8	98.1	98.9	99.0	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	41.5	95.2	97.8	98.1	98.9	99.0	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.0	52.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	32.9	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 18000	33.2	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 16000	33.2	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	33.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 12000	34.2	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 10000	35.6	69.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 9000	36.0	69.9	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 8000	37.4	72.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 7000	37.5	73.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 6000	37.6	74.0	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 5000	37.8	75.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4000	37.8	76.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	39.2	81.1	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3500	40.2	83.1	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3000	41.1	85.7	87.6	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2500	42.4	89.1	91.4	91.7	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	42.4	90.5	92.8	93.1	93.3	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1800	42.4	90.8	93.0	93.3	93.5	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	42.5	92.9	95.4	95.7	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1200	42.6	94.4	97.0	97.4	97.7	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	42.6	94.8	97.5	98.0	98.3	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	42.6	94.8	97.5	98.0	98.3	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	42.6	94.9	97.6	98.1	98.4	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	42.6	94.9	97.6	98.1	98.4	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	42.6	94.9	97.6	98.1	98.5	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	42.6	94.9	97.6	98.1	98.5	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	42.6	94.9	97.6	98.1	98.5	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	42.6	94.9	97.6	98.1	98.5	98.7	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	42.6	94.9	97.6	98.1	98.5	98.7	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	42.6	94.9	97.6	98.1	98.5	98.7	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	42.6	94.9	97.6	98.1	98.5	98.7	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.2	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 20000	34.1	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 18000	34.4	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 16000	34.6	70.8	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 14000	34.8	71.4	71.5	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
GE 12000	35.4	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 10000	36.9	76.7	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 9000	36.9	76.9	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 8000	37.6	79.6	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 7000	38.0	80.5	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 6000	38.3	81.5	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 5000	39.5	83.4	84.3	84.4	84.7	84.7	84.8	84.8	84.8	84.6	84.8	84.8	84.8	84.8	84.8	84.8
GE 4500	39.6	84.3	85.3	85.4	85.7	85.7	85.8	85.8	85.8	85.6	85.8	85.8	85.8	85.8	85.8	85.8
GE 4000	40.5	87.5	88.6	88.7	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3500	40.9	88.7	89.9	90.1	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	41.6	90.6	92.0	92.3	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2500	41.8	91.6	93.1	93.3	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	41.9	92.3	93.9	94.4	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800	41.9	92.5	94.2	94.7	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1500	41.9	93.5	95.4	95.9	97.0	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	41.9	94.2	96.3	96.9	98.0	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	41.9	94.5	96.7	97.2	98.3	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	41.9	94.5	96.7	97.2	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	41.9	94.5	96.7	97.2	98.4	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	41.9	94.6	96.8	97.3	98.6	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	41.9	94.6	96.8	97.3	98.6	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	41.9	94.6	96.8	97.3	98.7	98.8	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	41.9	94.6	96.8	97.3	98.7	98.8	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	41.9	94.6	96.8	97.3	98.7	98.8	99.2	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	41.9	94.6	96.8	97.3	98.7	98.8	99.2	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	41.9	94.6	96.8	97.3	98.7	98.8	99.2	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 0	41.9	94.6	96.8	97.3	98.7	98.8	99.2	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 20000	34.6	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 18000	34.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 16000	34.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 14000	35.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 12000	35.5	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	35.8	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 9000	35.8	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 8000	36.3	77.1	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 7000	37.0	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 6000	37.4	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 5000	38.3	81.1	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 4500	38.6	82.6	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 4000	39.5	85.7	86.7	86.9	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	39.7	86.6	87.5	87.7	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3000	40.2	88.6	89.9	90.2	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 2500	40.2	89.5	90.9	91.2	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	40.3	90.5	92.0	92.4	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	40.3	91.1	92.7	93.0	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	40.3	91.3	93.0	93.3	94.1	94.1	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	40.3	92.7	94.6	94.9	95.7	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	40.3	93.2	95.4	95.9	96.7	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	40.3	93.5	95.7	96.2	97.0	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	40.3	93.9	96.2	97.1	98.0	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	40.3	93.9	96.5	97.3	98.2	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	40.3	93.9	96.5	97.3	98.2	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	40.3	93.9	96.8	97.5	98.4	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	40.3	93.9	96.8	97.7	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	40.3	93.9	96.8	97.7	98.7	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	40.3	93.9	96.8	97.7	98.7	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	40.3	93.9	96.8	97.7	98.7	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	40.3	93.9	96.8	97.7	98.7	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	24.7	52.2	52.9	53.2	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	
GE 20000	28.7	61.2	62.0	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	
GE 18000	27.9	61.6	62.4	62.7	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 16000	28.9	61.7	62.5	62.8	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	
GE 14000	29.2	62.3	63.1	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	
GE 12000	29.7	63.6	64.4	64.8	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	
GE 10000	30.9	66.7	67.7	68.0	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	
GE 9000	31.0	66.9	67.9	68.2	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	
GE 8000	32.1	70.2	71.2	71.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	
GE 7000	32.5	71.1	72.3	72.6	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	
GE 6000	32.8	72.1	73.2	73.6	73.9	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	
GE 5000	31.9	74.5	76.0	76.4	76.8	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	
GE 4500	34.0	75.3	76.8	77.2	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	
GE 4000	34.9	78.4	80.2	80.7	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	
GE 3500	35.2	79.6	81.4	82.0	82.5	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
GE 3000	36.0	82.0	84.1	84.7	85.2	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	
GE 2500	36.5	83.8	86.0	86.7	87.3	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	
GE 2000	36.9	85.5	87.8	88.6	89.3	89.3	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
GE 1800	36.9	85.9	88.2	89.0	89.7	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	
GE 1500	37.3	87.6	90.1	90.9	91.7	91.8	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
GE 1200	37.5	89.2	92.0	92.9	93.7	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	
GE 1000	37.6	90.3	93.2	94.1	95.0	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	
GE 900	37.7	90.5	93.6	94.6	95.5	95.6	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 800	37.7	91.0	94.1	95.2	96.1	96.3	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 700	37.7	91.2	94.5	95.6	96.7	96.9	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 600	37.7	91.4	94.7	95.9	97.0	97.2	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	
GE 500	37.7	91.5	94.9	96.1	97.3	97.6	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9	
GE 400	37.8	91.5	95.0	96.3	97.5	97.8	98.5	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	
GE 300	37.8	91.5	95.0	96.4	97.6	98.0	98.7	99.3	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	
GE 200	37.8	91.5	95.0	96.4	97.7	98.0	98.7	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0	
GE 100	37.8	91.5	95.0	96.4	97.7	98.0	98.7	99.4	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	
GE 0	37.8	91.5	95.0	96.4	97.7	98.0	98.7	99.4	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS (LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.8	63.3	63.4	63.7	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1
GE 20000	36.9	74.0	74.1	74.3	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8
GE 18000	36.9	74.1	74.2	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
GE 16000	36.9	74.1	74.2	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
GE 14000	36.9	74.1	74.2	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
GE 12000	37.3	74.8	74.9	75.2	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
GE 10000	37.9	78.0	78.1	78.4	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
GE 9000	37.9	78.0	78.1	78.4	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
GE 8000	39.1	81.2	81.3	81.7	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
GE 7000	39.2	82.8	82.9	83.2	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7
GE 6000	39.4	83.4	83.6	83.9	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3
GE 5000	39.7	85.7	85.8	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
GE 4000	40.0	86.2	86.3	86.7	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
GE 4000	40.4	89.7	89.8	90.1	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
GE 3500	41.0	90.7	90.9	91.2	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
GE 3000	41.1	92.0	92.4	92.9	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9
GE 2500	41.1	92.8	93.2	93.7	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.6	94.7
GE 2000	41.3	93.6	94.0	94.4	94.9	94.9	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.7	95.8
GE 1800	41.3	93.8	94.2	94.7	95.1	95.1	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.9	96.0
GE 1500	41.4	94.8	95.4	95.9	96.3	96.3	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	97.1	97.2
GE 1200	41.4	94.9	95.7	96.2	96.7	96.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.6	97.7
GE 1000	41.8	95.2	96.0	96.6	97.0	97.0	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.9	98.0
GE 900	42.0	95.6	96.3	96.9	97.3	97.3	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.2	98.3
GE 800	42.0	95.6	96.3	96.9	97.3	97.3	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.2	98.3
GE 700	42.0	95.8	96.6	97.1	97.6	97.6	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.4	98.6
GE 600	42.0	95.8	96.6	97.1	97.6	97.6	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.6	98.7
GE 500	42.0	96.2	97.0	97.6	98.1	98.1	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.1	99.2
GE 400	42.0	96.2	97.1	97.9	98.7	98.7	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.7	99.8
GE 300	42.0	96.2	97.1	98.0	98.9	98.9	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.9	100.0
GE 200	42.0	96.2	97.1	98.0	98.9	98.9	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.9	100.0
GE 100	42.0	96.2	97.1	98.0	98.9	98.9	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LOCAL): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.0	59.7	60.6	61.2	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	61.9
GE 20000	30.9	68.7	69.6	70.2	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.9
GE 18000	30.9	68.8	69.7	70.3	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9	71.0
GE 16000	30.9	68.8	69.7	70.3	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9	71.0
GE 14000	31.0	69.2	70.1	70.8	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.3	71.4
GE 12000	31.7	70.3	71.2	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.6
GE 10000	32.8	74.2	75.1	75.8	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.4
GE 9000	32.8	74.2	75.1	75.8	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.4
GE 8000	33.9	78.1	79.0	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.3
GE 7000	34.6	80.7	81.6	82.2	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.9
GE 6000	34.7	80.9	81.8	82.4	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.1
GE 5000	35.0	82.1	83.0	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.3
GE 4000	35.0	82.6	83.4	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.7	84.8
GE 4000	36.0	85.8	86.8	87.4	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.2
GE 3500	36.4	86.8	87.9	88.7	88.9	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.7	89.8
GE 3000	36.8	88.4	89.8	90.7	90.9	91.2	91.4	91.4	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.9	92.0
GE 2500	36.8	89.1	90.4	91.3	91.6	91.9	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.9	93.0
GE 2000	37.0	89.7	91.0	91.9	92.1	92.6	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.6	93.7
GE 1800	37.0	89.9	91.3	92.2	92.4	92.9	93.4	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.9	94.0
GE 1600	37.2	90.6	92.2	93.6	93.8	94.2	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.3
GE 1200	37.4	90.9	92.7	94.0	94.2	94.7	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.7	95.8
GE 1000	37.7	91.1	92.9	94.2	94.4	94.9	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.9	96.0
GE 900	37.7	91.1	92.9	94.2	94.4	94.9	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.9	96.0
GE 800	37.8	91.4	93.2	94.6	94.8	95.2	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.2	96.3
GE 700	37.8	91.9	93.7	95.1	95.3	95.8	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.9	97.0
GE 600	37.8	91.9	93.7	95.1	95.3	95.8	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.9	97.0
GE 500	37.8	92.3	94.4	95.9	96.1	96.6	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.8
GE 400	37.8	92.3	94.4	96.0	96.3	96.8	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.2
GE 300	37.8	92.3	94.4	96.6	97.0	97.4	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0
GE 200	37.8	92.3	94.4	96.6	97.2	97.7	98.6	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.6	99.7
GE 100	37.8	92.3	94.4	96.6	97.7	97.7	98.6	98.9	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.9	100.0
GE 0	37.8	92.3	94.4	96.6	97.2	97.7	98.6	98.9	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.1	48.9	50.7	51.4	51.9	51.9	51.9	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GF 20000	28.6	60.1	62.1	63.0	63.7	63.7	63.7	63.7	63.7	63.8	63.9	63.9	63.9	63.9	64.0	64.0	64.0
GE 18000	28.6	60.3	62.3	63.2	63.9	64.0	64.0	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3
GE 16000	28.6	60.3	62.3	63.3	64.0	64.1	64.1	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4
GF 14000	28.6	60.4	62.4	63.4	64.1	64.2	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.6	64.6
GF 12000	29.1	61.8	63.8	64.8	65.4	65.6	65.6	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9
GF 10000	30.0	66.3	68.3	69.3	70.1	70.2	70.2	70.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.6	70.6
GE 9000	30.3	67.1	69.1	70.1	70.9	71.0	71.0	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.3	71.3
GF 8000	31.3	71.1	73.1	74.1	74.9	75.0	75.0	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.3
GE 7000	31.7	73.1	75.2	76.3	77.1	77.2	77.2	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6
GF 6000	31.9	74.1	76.2	77.3	78.1	78.2	78.2	78.2	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.6
GF 5000	32.1	75.1	77.2	78.6	79.3	79.4	79.4	79.4	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8
GE 4500	32.4	75.9	78.0	79.3	80.1	80.2	80.2	80.2	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.6	80.6
GE 4000	32.6	77.4	79.8	81.6	82.3	82.4	82.6	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.9	82.9
GE 3500	32.7	78.2	80.7	82.4	83.3	83.4	83.6	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9
GE 3000	33.1	79.6	82.0	84.0	84.9	85.0	85.2	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.6	85.6
GE 2500	33.2	80.9	83.4	85.6	86.4	86.6	86.8	86.8	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.1	87.1
GE 2000	33.4	82.0	84.9	87.0	87.9	88.1	88.4	88.4	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.8	88.8
GE 1800	33.4	82.3	85.4	87.6	88.4	88.7	89.0	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3
GF 1500	33.8	82.8	85.9	88.0	88.9	89.1	89.6	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.9	89.9
GE 1200	34.1	83.9	87.3	89.4	90.3	90.7	91.1	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.4	91.4
GE 1000	34.3	84.9	88.7	90.8	91.7	92.0	92.4	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.8	92.8
GE 900	34.6	85.8	89.7	91.9	92.8	93.1	93.6	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
GE 800	34.6	86.4	90.4	92.7	93.6	93.9	94.3	94.3	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
GE 700	34.6	86.9	91.1	93.4	94.4	94.8	95.2	95.2	95.3	95.4	95.6	95.6	95.6	95.6	95.7	95.7	95.7
GE 600	34.6	86.9	91.4	94.2	95.2	95.7	96.1	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.6	96.6	96.6
GE 500	34.6	87.1	91.8	95.0	96.4	96.9	97.3	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9
GE 400	34.6	87.3	92.1	95.3	96.9	97.3	98.0	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 300	34.6	87.4	92.3	95.6	97.2	97.8	98.6	98.8	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.4
GF 200	34.6	87.4	92.3	95.6	97.2	97.8	98.6	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0
GE 100	34.6	87.4	92.3	95.6	97.2	97.8	98.6	98.9	99.1	99.4	99.7	99.7	99.7	99.8	99.9	100.0	100.0
GE 0	34.6	87.4	92.3	95.6	97.2	97.8	98.6	98.9	99.1	99.4	99.7	99.7	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 9/16	GE 1/4	GE 0
NO CEIL	27.3	54.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 20000	30.4	63.1	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 18000	30.4	63.3	64.6	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 16000	30.9	64.1	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 14000	30.9	64.2	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
GE 12000	31.6	65.4	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 10000	33.7	70.0	71.4	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
GE 9000	33.4	70.8	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 8000	34.9	74.3	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 7000	35.1	75.4	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 6000	35.1	76.1	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 5000	35.8	77.9	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4000	35.9	78.3	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4000	36.1	80.6	82.6	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3000	36.3	81.3	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3000	36.4	82.3	84.9	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500	36.6	82.9	85.4	85.9	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	36.8	85.3	88.2	88.7	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	36.8	85.3	88.2	88.7	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1500	37.3	86.1	89.2	89.8	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1200	37.6	88.9	92.2	92.9	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	37.7	90.3	94.0	94.9	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 900	37.8	90.8	94.6	95.6	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 800	37.8	91.8	95.9	97.0	97.8	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	37.8	91.8	96.0	97.2	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	37.8	91.9	96.1	97.7	98.4	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	37.8	92.4	96.8	98.4	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	37.8	92.4	96.8	98.4	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	37.8	92.4	96.8	98.4	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	37.8	92.4	96.8	98.4	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	37.8	92.4	96.8	98.4	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	37.8	92.4	96.8	98.4	99.3	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	2	3	4	5	6	7	8	9	10
NO CEIL	31.2	57.2	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 20000	35.0	67.1	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 18000	35.1	67.3	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 16000	35.1	67.7	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 14000	35.1	68.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 12000	35.6	68.4	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 10000	36.4	72.6	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 9000	36.7	73.4	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 8000	37.8	76.3	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 7000	38.0	76.8	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 6000	38.1	77.6	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 5000	38.4	78.9	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	38.4	78.9	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	38.9	81.6	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 3500	40.1	84.8	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3000	40.6	88.3	90.4	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
GE 2500	41.9	91.0	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2000	41.9	92.4	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	41.9	92.7	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	41.9	93.2	95.4	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1200	41.9	94.7	97.0	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1000	41.9	95.2	97.7	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	41.9	95.4	97.9	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	42.1	95.8	98.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	42.1	95.8	98.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	42.1	96.0	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	42.1	96.0	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	42.1	96.0	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	42.1	96.0	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	42.1	96.0	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	42.1	96.0	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	42.1	96.0	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-87  
MONTH: JUL HOURS(LOCAL): 1500-1700

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 4/16	GE 1/4	GE 0
NO CEIL	32.1	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 20000	36.8	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 18000	36.8	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 16000	36.8	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 14000	37.0	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 12000	37.3	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 10000	39.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 9000	39.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 8000	40.8	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 7000	41.0	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 6000	41.3	83.4	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
GE 5000	41.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4500	41.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 4000	42.3	87.0	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 3500	43.7	90.1	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3000	44.3	93.7	94.4	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	44.6	95.1	95.9	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	44.6	95.8	96.6	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	44.6	95.9	96.7	97.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1600	44.6	96.1	97.0	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1400	44.6	96.8	97.7	98.1	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	44.6	97.0	97.9	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	44.6	97.0	97.9	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	44.7	97.0	98.4	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	44.8	97.7	98.6	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.3	62.4	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 20000	36.6	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 18000	36.7	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 16000	36.7	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 14000	36.8	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 12000	37.1	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 10000	38.6	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	38.7	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	39.6	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 7000	40.3	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 6000	40.8	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 5000	41.6	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	42.0	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	43.4	90.0	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3500	43.7	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 3000	44.1	94.2	94.9	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	44.2	95.1	96.0	96.9	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	44.2	95.6	96.4	97.3	97.7	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	44.2	95.9	96.8	97.7	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	44.4	96.2	97.1	98.0	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	44.4	96.8	97.7	98.6	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	44.4	96.8	97.7	98.6	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	44.4	96.9	97.8	98.7	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	44.6	97.0	97.9	98.8	99.1	99.1	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	44.6	97.0	97.9	98.8	99.2	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	44.6	97.0	97.9	98.8	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	44.6	97.0	97.9	98.8	99.2	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	44.6	97.1	98.0	98.9	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	44.6	97.1	98.0	98.9	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	44.6	97.1	98.0	98.9	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	44.6	97.1	98.0	98.9	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	44.6	97.1	98.0	98.9	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CLIL	37.8	64.0	64.2	64.2	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	
GE 20000	36.0	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	
GE 18000	36.1	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 16000	36.1	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 14000	36.3	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
GE 12000	36.9	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	
GE 10000	38.0	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
GE 9000	38.0	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
GE 8000	39.2	83.0	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	
GE 7000	39.7	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	
GE 6000	40.1	86.2	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	
GE 5000	40.4	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	
GE 4500	41.1	88.8	89.0	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	
GE 4000	41.8	91.3	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	
GE 3500	42.3	92.2	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
GE 3000	42.4	93.8	94.8	94.8	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
GE 2500	42.7	94.8	95.8	95.9	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 2000	43.1	95.6	96.6	96.7	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 1800	43.2	95.8	96.8	96.9	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 1500	43.6	96.2	97.2	97.3	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 1200	43.6	96.3	97.3	97.4	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 1000	43.6	96.9	97.9	98.0	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 900	43.6	97.0	98.0	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 800	43.6	97.0	98.0	98.1	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 700	43.6	97.1	98.1	98.2	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 600	43.6	97.4	98.4	98.6	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 500	43.6	97.7	98.7	98.9	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 400	43.6	97.7	98.7	98.9	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 300	43.6	97.7	98.7	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	43.6	97.7	98.7	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	43.6	97.7	98.7	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	43.6	97.7	98.7	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): ALL

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.2	58.8	59.5	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 2000	33.9	69.3	70.1	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
GE 1800	33.9	69.6	70.3	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
GE 1600	34.0	69.7	70.5	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1
GE 1400	34.1	69.9	70.7	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
GE 1200	34.6	71.0	71.8	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
GE 1000	35.7	74.9	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 900	35.8	75.2	76.0	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
GE 800	37.1	78.6	79.4	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
GE 700	37.4	80.1	80.9	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6
GE 600	37.7	80.9	81.7	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
GE 500	38.1	82.4	83.3	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
GE 450	38.3	82.9	83.7	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5
GE 400	38.9	85.4	86.5	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 350	39.5	87.0	88.1	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2
GE 300	39.9	89.0	90.5	91.2	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8
GE 250	40.1	90.2	91.7	92.4	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2
GE 200	40.3	91.2	92.8	93.5	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4
GE 180	40.3	91.4	93.0	93.8	94.2	94.3	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.7
GE 150	40.5	92.0	93.7	94.5	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.5
GE 120	40.6	92.9	94.7	95.6	96.0	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5
GE 100	40.7	93.4	95.3	96.2	96.7	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.3
GE 90	40.8	93.7	95.6	96.6	97.0	97.1	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.6
GE 80	40.8	94.1	96.1	97.1	97.5	97.7	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2
GE 70	40.9	94.2	96.3	97.3	97.8	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 60	40.9	94.3	96.4	97.5	98.1	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8
GE 50	40.9	94.6	96.7	97.9	98.5	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
GE 40	40.9	94.6	96.8	98.0	98.7	98.8	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6
GE 30	40.9	94.6	96.8	98.2	98.9	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 20	40.9	94.6	96.8	98.2	98.9	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 10	40.9	94.6	96.8	98.2	98.9	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0
GE 0	40.9	94.6	96.8	98.2	98.9	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 1700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.0	75.4	76.8	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 20000	35.6	81.5	83.0	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 18000	35.6	81.6	83.1	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 16000	35.6	81.7	83.2	83.3	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 14000	35.9	82.3	83.8	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 12000	36.9	83.7	85.2	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 10000	38.0	86.8	88.4	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 9000	38.4	87.3	88.9	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 8000	39.1	88.7	90.4	90.5	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 7000	39.5	89.0	90.8	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 6000	39.6	90.4	92.3	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 5000	39.8	91.8	93.7	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 4500	39.8	92.3	94.1	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4000	40.1	93.7	95.5	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	40.3	94.3	96.1	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3000	40.3	95.1	97.2	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	40.3	95.4	97.5	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	40.3	95.5	97.6	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	40.3	95.6	97.7	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	40.4	95.7	97.8	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	40.5	96.1	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	40.5	96.1	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	40.5	96.1	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	40.5	96.1	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	40.5	96.1	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	40.5	96.2	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	40.5	96.2	98.6	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	40.5	96.2	98.7	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	40.5	96.2	98.7	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	40.5	96.2	98.7	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	40.5	96.2	98.7	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UF	0	40.5	96.2	98.7	99.1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.5	70.0	70.9	71.3	71.9	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 20000	31.4	76.0	77.0	77.5	78.2	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 18000	31.4	76.3	77.3	77.8	78.5	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 16000	31.4	76.6	77.5	78.1	78.7	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 14000	31.5	76.8	77.7	78.3	78.9	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 12000	32.6	78.7	79.7	80.2	80.9	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 10000	33.8	82.8	83.8	84.3	84.9	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 9000	34.6	83.7	84.6	85.2	85.8	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 8000	35.7	85.6	86.6	87.1	87.7	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 7000	35.9	86.0	87.1	87.6	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 6000	36.6	88.0	89.0	89.6	90.2	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 5000	37.0	88.7	90.1	90.6	91.4	91.5	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4500	37.0	89.2	90.6	91.2	91.9	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 4000	37.0	90.5	91.9	92.5	93.2	93.3	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	37.2	91.3	92.7	93.2	94.0	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3000	37.3	92.7	94.1	94.7	95.5	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	37.3	92.7	94.1	94.7	95.5	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	37.3	92.8	94.2	94.8	95.6	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	37.5	93.0	94.4	95.1	95.8	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	37.7	93.5	94.9	95.6	96.3	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	38.0	94.2	95.6	96.2	97.0	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	38.0	94.5	95.9	96.6	97.3	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	38.0	94.6	96.1	96.8	97.5	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	38.0	94.8	96.3	97.0	97.7	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	38.0	94.8	96.5	97.1	97.8	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	38.0	94.8	96.6	97.2	98.0	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	38.0	94.8	96.6	97.4	98.2	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	38.0	94.8	96.7	97.6	98.5	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	38.0	94.8	96.7	97.7	98.7	98.8	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	38.0	94.8	96.7	97.7	98.7	98.8	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	38.0	94.8	96.7	97.7	98.7	98.8	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 0	38.0	94.8	96.7	97.7	98.7	98.8	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																		
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0			
NO CEIL	26.6	60.8	62.0	62.8	63.9	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4			
GE 20000	29.4	68.1	69.7	70.5	71.6	72.0	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4			
GE 18000	29.4	68.1	69.7	70.5	71.6	72.0	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4			
GE 16000	29.4	68.3	69.9	70.8	71.8	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6			
GE 14000	29.5	68.7	70.3	71.2	72.3	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0			
GE 12000	30.9	71.2	72.9	73.8	74.8	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6			
GE 10000	32.6	75.9	78.2	79.0	80.2	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2			
GE 9000	32.9	76.3	78.6	79.5	80.6	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6			
GE 8000	34.2	80.2	82.5	83.5	84.8	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0			
GE 7000	35.2	81.6	83.9	84.9	86.3	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5			
GE 6000	35.9	82.6	85.1	86.2	87.6	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8			
GE 5000	36.2	84.2	87.0	88.2	89.6	90.5	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9			
GE 4500	36.3	84.5	87.3	88.6	90.0	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4			
GE 4000	36.3	85.4	88.2	89.5	90.9	91.8	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3			
GE 3500	36.5	86.1	88.9	90.2	91.6	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0			
GE 3000	36.5	86.3	89.1	90.4	91.8	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2			
GE 2500	36.7	86.7	89.5	90.8	92.2	93.1	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7			
GE 2000	36.7	86.8	89.6	91.0	92.4	93.3	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9			
GE 1800	36.8	86.9	89.8	91.2	92.6	93.5	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1			
GE 1500	37.3	87.7	90.6	92.2	93.5	94.5	94.9	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3			
GE 1200	37.4	88.5	91.4	92.9	94.4	95.4	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1			
GE 1000	37.5	89.4	92.3	93.8	95.3	96.2	96.7	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1			
GE 900	37.5	89.5	92.4	93.9	95.6	96.6	97.1	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5			
GE 800	37.6	89.7	92.7	94.2	96.0	97.0	97.6	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1			
GE 700	37.6	89.9	93.0	94.5	96.3	97.3	98.0	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4			
GE 600	37.6	89.9	93.1	94.6	96.5	97.4	98.1	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5			
GE 500	37.6	89.9	93.2	94.7	96.6	97.5	98.3	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7			
GE 400	37.6	89.9	93.2	94.7	96.6	97.5	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0			
GE 300	37.6	90.0	93.3	94.8	96.7	97.6	98.7	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4			
GE 200	37.6	90.0	93.3	94.8	96.7	97.6	98.7	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6			
GE 100	37.6	90.0	93.3	94.8	96.7	97.6	98.7	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0			
GE 0	37.6	90.0	93.3	94.8	96.7	97.6	98.7	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0			

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.3	69.4	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 20000	35.1	76.3	78.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 18000	35.3	76.6	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 16000	35.3	76.9	78.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 14000	35.5	77.3	79.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 12000	36.1	78.8	80.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 10000	37.5	82.2	84.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 9000	37.7	82.5	84.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 8000	38.5	85.1	87.1	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 7000	38.8	85.6	87.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 6000	38.8	85.7	87.7	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 5000	39.0	86.3	88.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4500	39.2	86.7	88.8	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4000	39.2	87.4	89.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3500	39.5	88.3	90.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3000	39.8	88.9	91.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2500	40.1	89.8	92.2	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	40.2	90.3	92.8	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1800	40.2	90.4	92.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1500	41.1	91.9	94.5	95.8	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	41.6	92.8	95.6	96.9	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	41.6	92.9	96.0	97.3	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	41.7	93.3	96.8	98.1	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	41.7	93.3	96.9	98.2	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	41.7	93.3	96.9	98.2	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	41.7	93.3	96.9	98.2	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	41.8	93.5	97.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	41.8	93.5	97.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	41.8	93.5	97.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	41.8	93.5	97.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	41.8	93.5	97.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	34.4	71.6	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 20000	37.7	79.8	80.6	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 18000	38.1	80.1	81.0	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 16000	39.2	80.5	81.4	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 14000	38.4	80.8	81.6	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 12000	39.9	83.0	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 10000	41.3	86.7	87.5	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 9000	41.3	87.0	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 8000	41.9	89.6	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 7000	42.4	90.0	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 6000	42.7	90.9	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 5000	42.8	91.2	92.0	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	42.8	91.3	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4000	42.9	92.2	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 3500	43.1	93.0	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	43.2	94.6	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	43.4	95.3	96.2	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	44.0	96.3	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	44.0	96.3	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	44.3	96.8	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	44.3	97.1	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	44.3	97.6	98.7	99.1	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	44.3	97.7	98.8	99.2	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	44.3	97.7	98.8	99.2	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	44.3	97.7	98.8	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS (LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.8	72.8	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 20000	38.2	82.6	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 14000	38.3	82.8	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 16000	38.4	82.9	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 14000	38.4	83.0	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 12000	39.5	84.7	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 10000	39.8	87.2	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 9000	39.9	87.5	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 8000	41.1	89.9	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 7000	41.1	90.1	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 6000	41.1	90.6	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 5000	41.7	91.9	93.1	93.2	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4500	41.7	92.2	93.3	93.7	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 4000	41.8	93.0	94.4	94.8	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3500	43.0	95.1	96.6	97.0	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3000	43.1	96.0	97.5	98.0	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	43.2	96.1	97.6	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	43.5	96.7	98.2	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	43.5	96.8	98.3	98.7	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	43.5	96.8	98.3	98.7	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	43.5	96.8	98.3	98.7	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	43.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	47.5	97.4	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	35.3	74.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 20000	40.0	85.3	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 18000	40.0	85.3	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 16000	40.1	85.4	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 14000	40.1	85.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 12000	40.8	86.8	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 10000	41.7	88.9	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 9000	41.7	88.9	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 8000	42.6	90.9	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 7000	42.9	91.6	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 6000	43.1	92.7	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 5000	43.3	93.5	94.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 4500	43.3	93.7	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 4000	43.4	95.1	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3500	43.5	95.6	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	43.8	96.5	97.6	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	43.8	96.7	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	43.8	96.9	98.3	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 1800	43.8	96.9	98.3	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	43.8	96.9	98.5	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	43.8	96.9	98.5	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	43.8	97.0	98.6	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	43.8	97.0	98.6	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	43.8	97.2	98.8	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	43.8	97.2	98.8	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	34.1	77.2	78.4	76.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.4
GE 20000	37.1	84.2	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 18000	37.1	84.3	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	85.9
GE 16000	37.1	84.4	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 14000	37.2	84.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	37.7	86.0	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10000	38.8	88.3	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 9000	39.0	88.5	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 8000	39.5	90.8	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 7000	39.9	91.5	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 6000	40.0	92.0	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 5000	40.5	93.2	94.7	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
GE 4500	40.5	94.0	95.5	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
GE 4000	41.1	95.5	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3500	41.5	96.0	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	41.5	96.5	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	41.5	96.6	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	41.5	96.6	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	41.5	96.7	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	41.5	96.8	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	41.5	96.8	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	41.5	96.8	98.4	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	41.5	96.9	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	41.5	96.9	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	41.5	96.9	98.5	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	41.5	96.9	98.6	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	41.5	96.9	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	41.5	96.9	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	41.5	96.9	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	41.5	96.9	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	41.5	96.9	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	41.5	96.9	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	32.2	71.5	72.6	72.9	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	
GE 20000	35.6	79.2	80.5	80.9	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	
GE 18000	35.6	79.4	80.6	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	
GE 16000	35.7	79.6	80.6	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
GE 14000	35.8	79.9	81.2	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	
GE 12000	36.8	81.6	82.9	83.3	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	
GE 10000	37.9	84.8	86.2	86.7	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
GE 9000	38.2	85.2	86.6	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
GE 8000	39.1	87.6	89.0	89.5	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
GE 7000	39.4	88.2	89.7	90.2	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	
GE 6000	39.7	89.1	90.6	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
GE 5000	40.1	90.1	91.7	92.3	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
GE 4500	40.1	90.5	92.1	92.7	93.1	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
GE 4000	40.2	91.6	93.3	93.9	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 3500	40.6	92.5	94.1	94.8	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE 3000	40.7	93.3	95.1	95.8	96.2	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 2500	40.8	93.6	95.4	96.1	96.5	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 2000	40.9	94.0	95.8	96.5	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 1800	41.0	94.1	95.9	96.6	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 1500	41.2	94.5	96.4	97.1	97.5	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 1200	41.3	94.9	96.8	97.5	98.0	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1000	41.3	95.2	97.1	97.9	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 900	41.4	95.3	97.3	98.0	98.6	98.8	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	
GE 800	41.4	95.4	97.4	98.2	98.8	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 700	41.4	95.4	97.5	98.2	98.8	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 600	41.4	95.4	97.5	98.3	98.9	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 500	41.4	95.5	97.6	98.4	99.0	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 400	41.4	95.5	97.6	98.5	99.1	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 300	41.4	95.5	97.6	98.5	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 200	41.4	95.5	97.6	98.5	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 100	41.4	95.5	97.6	98.5	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	
GE 0	41.4	95.5	97.6	98.5	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LEST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	29.7	69.1	70.9	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
GE 2000	31.0	74.3	76.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
GE 1800	31.0	74.3	76.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
GE 1600	31.0	74.4	76.1	77.4	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0
GE 1400	31.7	75.9	77.6	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
GE 1200	32.0	77.0	78.7	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
GE 1000	33.1	81.5	83.2	84.5	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 900	33.1	81.5	83.2	84.5	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 800	34.2	84.6	86.3	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 700	34.7	86.1	87.8	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
GE 600	34.7	86.6	88.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 500	35.2	88.2	89.9	91.3	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
GE 400	35.5	88.6	90.3	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
GE 300	35.6	90.2	92.0	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
GE 200	35.6	90.5	92.6	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 100	35.6	91.2	93.2	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6
GE 2000	35.6	91.2	93.2	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6
GE 1800	35.6	91.2	93.2	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6
GE 1600	35.6	91.4	93.4	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9
GE 1400	35.6	91.6	93.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
GE 1200	35.6	91.6	93.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	35.7	92.4	94.7	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	35.7	92.4	94.7	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
GE 800	35.7	92.4	94.9	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	35.7	92.9	95.5	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	35.7	93.1	95.8	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	35.7	93.3	96.0	98.0	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	35.7	93.5	96.2	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	35.7	93.5	96.2	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	35.7	93.5	96.2	98.2	99.0	99.0	99.0	99.0	99.0	99.1	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	35.7	93.5	96.2	98.2	99.0	99.0	99.0	99.0	99.0	99.1	99.8	99.9	99.9	99.9	99.9	100.0
GE 0	35.7	93.5	96.2	98.2	99.0	99.0	99.0	99.0	99.0	99.1	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 0700-0900

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	3/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	4	5
50 CEIL	27.6	65.8	67.6	68.6	69.0	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 20000	29.1	70.4	72.4	73.5	73.8	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 18000	29.1	70.4	72.4	73.5	73.8	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 16000	29.1	70.4	72.4	73.5	73.8	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 14000	29.1	70.6	72.7	73.9	74.1	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 12000	29.2	71.5	73.5	74.7	74.9	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 10000	30.2	74.9	77.0	78.2	78.4	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 9000	30.2	75.1	78.1	78.3	78.5	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 8000	32.0	79.9	81.9	83.1	83.3	83.4	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 7000	32.5	80.4	82.5	83.7	83.9	84.0	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 6000	32.5	80.6	82.8	84.0	84.2	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 5000	32.9	82.8	84.9	86.3	86.7	86.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 4000	33.2	83.1	85.3	86.7	87.0	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3000	33.8	84.8	87.0	88.4	88.8	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	33.8	85.3	87.6	89.2	89.8	89.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	33.8	86.7	89.4	90.9	91.4	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 500	33.8	87.0	89.7	91.2	91.7	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 400	33.8	87.2	89.9	91.4	91.9	92.2	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 300	33.8	87.2	89.9	91.5	92.0	92.3	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 200	33.8	87.3	90.2	91.9	92.5	92.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 100	34.1	87.5	90.8	92.6	93.2	93.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	34.1	88.1	91.4	93.5	94.2	94.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 400	34.1	88.1	91.4	93.5	94.2	94.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 300	34.1	88.4	91.7	94.0	94.8	95.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 200	34.1	88.5	91.8	94.2	95.1	95.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 100	34.1	89.0	92.4	94.7	95.6	95.6	97.2	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	34.1	89.0	92.6	94.9	96.0	96.2	98.0	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	34.1	89.1	92.8	95.3	96.3	96.6	98.3	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	34.1	89.2	92.9	95.5	96.7	96.9	98.6	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	34.1	89.4	93.0	95.6	96.8	97.0	98.7	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	34.1	89.4	93.0	95.6	96.8	97.0	98.7	98.9	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 50	34.1	89.4	93.1	95.6	96.8	97.0	98.7	98.9	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	
NO CLIL	22.0	54.6	57.7	59.2	60.0	60.4	60.8	60.8	60.8	60.8	60.6	60.8	60.8	60.9	60.9	61.0	61
GE 20000	24.1	62.4	66.0	67.8	68.6	69.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.7	69
GE 18000	24.1	62.4	66.1	68.1	68.8	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.9	70
GE 16000	24.1	62.6	66.3	68.4	69.1	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.2	70
GE 14000	24.2	63.2	67.1	69.1	69.9	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	71.0	71
GE 12000	24.7	64.8	68.7	70.8	71.5	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.6	72
GE 10000	26.3	69.2	73.1	75.4	76.3	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.4	77
GE 9000	26.5	69.7	73.5	75.8	76.9	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	78.0	78
GE 8000	27.8	73.5	77.5	79.9	81.1	81.5	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.3	82
GE 7000	28.3	74.1	78.1	80.4	81.6	82.0	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.8	82
GE 6000	29.6	74.9	78.9	81.4	82.6	83.0	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.8	83
GE 5000	29.1	77.4	81.7	84.2	85.4	85.8	86.2	86.2	86.3	86.3	86.5	86.5	86.6	86.6	86.7	86.7	86
GE 4500	29.6	78.1	82.4	84.8	86.0	86.5	86.9	86.9	87.0	87.0	87.1	87.1	87.2	87.2	87.3	87.3	87
GE 4000	30.0	79.0	83.5	86.0	87.4	87.8	88.3	88.3	88.5	88.5	88.6	88.6	88.6	88.7	88.7	88.8	88
GE 3500	30.0	79.2	84.2	86.8	88.2	88.6	89.0	89.0	89.2	89.2	89.4	89.4	89.5	89.5	89.6	89.6	89
GE 3000	30.1	80.1	85.4	88.1	89.5	89.9	90.3	90.3	90.5	90.5	90.6	90.6	90.6	90.8	90.8	90.9	91
GE 2500	30.1	80.1	85.5	88.2	89.6	90.0	90.4	90.4	90.6	90.6	90.8	90.8	90.8	90.9	90.9	91.0	91
GE 2000	30.1	80.3	86.0	88.7	90.1	90.5	91.1	91.2	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.8	91
GE 1800	30.1	80.3	86.0	88.7	90.1	90.5	91.1	91.2	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.8	91
GE 1500	30.2	80.8	86.5	89.2	90.8	91.3	91.8	91.9	92.2	92.3	92.4	92.4	92.4	92.5	92.5	92.6	92
GE 1200	30.2	81.3	87.2	90.1	91.6	92.2	92.7	92.8	93.0	93.1	93.2	93.2	93.2	93.3	93.3	93.4	93
GE 1000	30.2	81.8	88.0	90.9	92.7	93.2	94.0	94.1	94.3	94.4	94.5	94.5	94.6	94.6	94.7	94.7	94
GE 900	30.2	82.2	88.3	91.2	93.1	93.7	94.4	94.5	94.7	94.8	94.9	94.9	95.1	95.1	95.2	95.2	95
GE 800	30.2	82.5	88.8	91.9	94.1	94.6	95.6	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.5	96.5	96
GE 700	30.2	82.7	89.0	92.3	94.4	94.9	95.9	96.1	96.3	96.5	96.6	96.6	96.7	96.7	96.8	96.8	96
GE 600	30.2	82.8	89.2	92.5	94.7	95.3	96.3	96.6	96.8	96.9	97.0	97.0	97.1	97.1	97.2	97.2	97
GE 500	30.2	82.8	89.2	92.5	94.7	95.3	96.5	96.8	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.4	97
GE 400	30.2	82.9	89.4	92.6	95.1	95.6	97.0	97.6	98.0	98.2	98.4	98.4	98.5	98.5	98.6	98.6	98
GE 300	30.2	82.9	89.4	92.7	95.2	95.7	97.2	97.8	98.3	98.6	98.8	98.8	98.9	98.9	99.0	99.0	99
GE 200	30.2	82.9	89.4	92.7	95.3	95.8	97.3	98.0	98.4	98.8	99.0	99.0	99.2	99.2	99.4	99.4	99
GE 100	30.2	82.9	89.4	92.7	95.3	95.8	97.4	98.1	98.5	98.9	99.2	99.2	99.5	99.5	99.6	99.6	99
GE 0	30.2	82.9	89.4	92.7	95.3	95.8	97.4	98.1	98.5	98.9	99.2	99.2	99.5	99.5	99.6	100	100

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.3	61.9	62.9	63.3	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9
GE 20000	28.7	69.8	71.0	71.4	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0
GE 18000	28.7	69.8	71.0	71.4	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0
GE 16000	28.7	70.6	71.8	72.3	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9
GE 14000	29.1	71.7	72.9	73.3	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0
GE 12000	29.8	73.0	74.2	74.6	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3
GE 10000	31.4	77.4	78.6	79.2	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9
GE 9000	31.5	77.8	79.4	79.8	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
GE 8000	32.4	80.9	82.6	83.1	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8
GE 7000	33.0	81.7	83.5	84.4	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1
GE 6000	33.3	82.9	84.7	85.6	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
GE 5000	33.3	83.9	85.7	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
GE 4500	33.4	84.0	85.8	86.9	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6
GE 4000	33.4	84.7	86.8	88.0	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
GE 3500	33.4	85.1	87.1	88.3	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0
GE 3000	33.4	86.1	88.4	89.6	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4
GE 2500	33.4	86.6	88.9	90.1	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
GE 2000	33.4	86.7	89.2	90.4	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7
GE 1800	33.5	86.9	89.6	90.8	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.0	92.0	92.0	92.0
GE 1500	33.9	87.4	90.3	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.0	93.0	93.0	93.0
GE 1200	34.1	88.8	91.7	93.1	93.8	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 1000	34.1	89.8	93.2	94.7	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 900	34.1	90.1	93.7	95.3	96.5	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
GE 800	34.1	90.3	94.0	95.7	97.0	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0
GE 700	34.1	90.4	94.1	95.9	97.2	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 600	34.1	90.6	94.3	96.5	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 500	34.1	91.0	94.7	96.9	98.3	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 400	34.1	91.1	94.8	97.0	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 300	34.1	91.1	94.8	97.0	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8
GE 200	34.1	91.1	94.8	97.0	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9	99.9	99.9
GE 100	34.1	91.1	94.8	97.0	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 0	34.1	91.1	94.8	97.0	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11
NO CLIL	27.4	65.3	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 20000	31.7	73.8	74.6	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 18000	31.9	74.0	74.8	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 16000	31.9	74.1	74.9	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 14000	32.7	75.3	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 12000	33.5	77.4	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 10000	35.3	81.5	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 9000	35.6	82.0	82.9	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 8000	35.6	84.9	86.1	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 7000	35.7	85.1	86.2	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 6000	36.1	86.0	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 5000	36.1	87.2	88.5	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
GE 4000	36.1	87.2	86.5	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
GE 4000	36.5	88.5	89.8	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3500	36.9	89.7	91.3	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3000	37.0	90.8	92.5	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2500	37.0	91.4	93.1	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	37.0	92.2	94.1	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	37.2	92.8	94.7	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	37.4	94.0	96.0	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200	37.5	94.9	97.1	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	37.5	95.2	97.3	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	37.5	95.6	97.7	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	37.6	95.9	98.1	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	37.6	95.9	98.2	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMPLR: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.4	69.2	69.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 20000	32.4	78.6	78.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 18000	32.8	78.6	78.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 16000	32.8	78.8	78.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 14000	33.2	79.6	79.7	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 12000	34.0	81.7	81.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 10000	35.8	85.4	85.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 9000	36.2	86.0	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 8000	36.5	87.4	87.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 7000	36.7	87.6	87.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 6000	36.9	88.5	88.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 5000	37.2	90.4	90.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4500	37.3	90.9	91.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4000	37.7	92.8	92.9	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3500	38.0	93.5	93.7	94.8	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000	38.3	95.3	95.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	38.4	95.7	96.1	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	38.4	95.8	96.2	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	38.4	96.0	96.5	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	38.4	97.2	97.7	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	38.4	97.4	98.0	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	38.4	97.4	98.0	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	38.4	97.4	98.0	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	38.4	97.4	98.0	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	38.4	97.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.2	69.6	70.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 20000	33.3	80.9	82.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 18000	33.3	81.0	82.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 16000	33.3	81.2	82.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 14000	34.1	82.0	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 12000	35.1	84.7	86.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	36.2	86.7	88.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 9000	36.6	87.3	88.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 8000	37.0	89.1	90.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 7000	37.2	89.4	90.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 6000	37.6	90.2	91.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 5000	38.1	91.9	93.4	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4500	38.3	92.2	93.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4000	38.4	93.7	95.2	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 3500	38.7	94.3	95.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000	38.7	94.9	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	38.8	95.1	96.6	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	38.8	95.1	96.6	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	38.8	95.5	97.0	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	38.8	96.2	97.7	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	38.9	96.3	97.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	38.9	96.5	98.0	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	38.9	96.5	98.0	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 700	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	38.9	96.5	98.0	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	30.4	73.0	74.7	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
GE 20000	32.6	79.7	81.4	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	
GE 18000	32.6	79.7	81.4	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	
GE 16000	32.6	79.7	81.4	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	
GE 14000	32.7	80.1	81.8	82.4	82.7	82.7	82.8	82.8	82.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
GE 12000	33.1	82.4	84.1	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
GE 10000	34.4	84.9	86.7	87.2	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	
GE 9000	34.5	85.1	86.6	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	
GE 8000	35.1	86.6	88.5	89.0	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	
GE 7000	35.9	88.0	89.7	90.2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
GE 6000	36.0	88.3	90.0	90.6	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	
GE 5000	36.5	90.2	92.0	92.7	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
GE 4500	36.5	90.4	92.3	92.9	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
GE 4000	36.5	91.6	93.4	94.1	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GE 3500	36.6	92.8	94.6	95.3	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
GE 3000	36.6	93.4	95.4	96.1	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 2500	36.6	93.4	95.4	96.1	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 2000	36.6	93.5	95.5	96.2	96.8	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 1800	36.6	93.8	95.8	96.6	97.1	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 1500	36.6	94.4	96.5	97.2	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 1200	36.6	94.6	96.8	97.5	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 1000	36.6	94.7	96.9	97.6	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 900	36.6	94.8	97.0	97.7	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 800	36.6	94.8	97.2	98.0	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 700	36.6	95.5	97.8	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 600	36.6	95.6	98.0	98.7	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 500	36.6	95.6	98.0	98.7	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 400	36.6	95.6	98.0	98.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	36.6	95.6	98.0	98.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	36.6	95.6	98.0	98.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	36.6	95.6	98.0	98.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	36.6	95.6	98.0	98.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.6	66.1	67.5	68.4	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9
GE 20000	30.4	73.7	75.3	76.3	76.5	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 18000	30.4	73.8	75.4	76.4	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 16000	30.4	74.0	75.6	76.6	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
GE 14000	30.9	74.8	76.4	77.4	77.7	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 12000	31.4	76.6	78.2	79.2	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8
GE 10000	32.8	80.2	81.9	82.9	83.2	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 9000	33.0	80.6	82.2	83.3	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9
GE 8000	33.8	83.4	85.1	86.2	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE 7000	34.2	84.0	85.6	86.9	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6
GE 6000	34.5	84.8	86.5	87.7	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4
GE 5000	34.8	86.5	88.3	89.6	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
GE 4500	35.0	86.8	88.6	89.9	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
GE 4000	35.2	88.2	90.1	91.3	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2
GE 3500	35.4	88.8	90.9	92.2	92.6	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1
GE 3000	35.4	89.8	92.0	93.3	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3
GE 2500	35.5	90.1	92.3	93.6	94.2	94.3	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	35.5	90.2	92.6	93.9	94.5	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1
GE 1800	35.5	90.5	92.8	94.2	94.7	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1500	35.6	91.1	93.5	94.9	95.5	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 1200	35.7	91.6	94.1	95.6	96.2	96.3	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9
GE 1000	35.7	92.0	94.7	96.2	97.0	97.1	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7
GE 900	35.7	92.1	94.8	96.4	97.2	97.3	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9
GE 800	35.7	92.3	95.1	96.7	97.6	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	35.7	92.5	95.3	96.9	97.9	98.0	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7
GE 600	35.7	92.6	95.5	97.2	98.1	98.2	98.7	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
GE 500	35.7	92.7	95.6	97.3	98.3	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
GE 400	35.7	92.8	95.7	97.4	98.4	98.6	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6
GE 300	35.7	92.8	95.7	97.4	98.5	98.6	99.2	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	35.7	92.8	95.7	97.4	98.5	98.6	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	35.7	92.8	95.7	97.4	98.5	98.6	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 0	35.7	92.8	95.7	97.4	98.5	98.6	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTHS SEP HOURLY OBSERVATIONS 10 0000Z

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.0	68.2	69.1	69.3	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 20000	33.7	72.7	73.7	73.9	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 18000	33.7	72.7	73.7	73.9	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 16000	33.7	73.2	74.2	74.4	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 14000	33.9	74.0	75.0	75.2	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 12000	34.2	75.2	76.3	76.6	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 10000	34.3	76.6	78.0	78.2	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 9000	34.4	77.0	78.2	78.4	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 8000	34.4	79.7	81.0	81.2	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 7000	34.6	80.7	82.0	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 6000	34.9	81.4	82.8	83.3	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 5000	35.4	83.1	84.6	85.3	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4500	36.0	84.7	86.1	86.9	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4000	36.6	86.6	88.1	88.9	89.2	89.2	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3500	36.8	87.0	88.6	89.3	89.7	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 3000	37.0	88.6	90.4	91.3	91.8	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2500	37.0	89.1	91.0	91.9	92.3	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	37.1	89.7	91.6	92.4	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	37.1	89.7	91.6	92.4	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1500	37.1	90.2	92.1	93.0	93.4	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	37.1	90.9	92.8	93.7	94.1	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	37.1	91.9	93.9	94.9	95.3	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	37.1	92.0	94.1	95.1	95.6	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	37.1	92.4	94.7	95.7	96.1	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	37.1	92.7	94.9	95.9	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	37.1	93.4	95.7	96.7	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	37.1	93.8	96.0	97.0	98.2	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	37.1	94.0	96.2	97.2	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	37.1	94.0	96.3	97.3	98.8	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	37.1	94.0	96.3	97.4	99.0	99.0	99.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	37.1	94.0	96.3	97.4	99.0	99.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	CI	37.1	94.0	96.3	97.4	99.0	99.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS (LST): 0100-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	30.4	65.1	65.6	65.9	66.4	66.4	66.7	67.0	67.0	67.1	67.4	67.4	67.6	67.6	67.6	67.6	
GE 20000	31.3	69.0	69.4	69.8	70.3	70.3	70.6	70.9	70.9	71.0	71.3	71.3	71.4	71.4	71.4	71.4	
GE 18000	31.3	69.0	69.4	69.8	70.3	70.3	70.6	70.9	70.9	71.0	71.3	71.3	71.4	71.4	71.4	71.4	
GE 16000	31.3	69.3	69.6	70.1	70.7	70.7	70.9	71.2	71.2	71.3	71.7	71.7	71.8	71.8	71.8	71.8	
GE 14000	31.3	69.7	70.1	70.4	71.0	71.0	71.2	71.6	71.6	71.7	72.0	72.0	72.1	72.1	72.1	72.1	
GE 12000	31.3	70.3	70.9	71.2	71.8	71.8	72.0	72.3	72.3	72.4	72.8	72.8	72.9	72.9	72.9	72.9	
GE 10000	31.8	72.4	73.1	73.6	74.1	74.1	74.3	74.7	74.7	74.8	75.1	75.1	75.2	75.2	75.2	75.2	
GE 9000	31.8	72.6	73.4	73.9	74.4	74.4	74.7	75.0	75.0	75.1	75.4	75.4	75.6	75.6	75.6	75.6	
GE 8000	32.1	75.2	76.2	76.6	77.3	77.3	77.6	77.9	77.9	78.0	78.3	78.3	78.4	78.4	78.4	78.4	
GE 7000	32.1	76.3	77.3	77.9	78.4	78.4	78.7	79.0	79.0	79.1	79.4	79.4	79.6	79.6	79.6	79.6	
GE 6000	32.3	76.9	77.9	78.4	79.0	79.0	79.2	79.6	79.6	79.7	80.0	80.0	80.1	80.1	80.1	80.1	
GE 5000	33.4	79.6	80.6	81.1	81.7	81.7	81.9	82.3	82.3	82.4	82.8	82.8	82.9	82.9	82.9	82.9	
GE 4500	33.9	80.6	81.7	82.2	82.8	82.8	83.0	83.4	83.4	83.6	83.9	83.9	84.0	84.0	84.0	84.0	
GE 4000	34.7	82.4	83.6	84.2	84.9	84.9	85.1	85.6	85.6	85.7	86.0	86.0	86.1	86.1	86.1	86.1	
GE 3500	34.7	82.4	83.6	84.2	84.9	84.9	85.1	85.6	85.6	85.7	86.0	86.0	86.1	86.1	86.1	86.1	
GE 3000	35.2	85.0	86.3	87.1	87.8	87.8	88.0	88.4	88.4	88.6	89.0	89.0	89.1	89.1	89.1	89.1	
GE 2500	35.3	85.6	86.9	87.7	88.3	88.3	88.6	89.0	89.0	89.1	89.6	89.6	89.7	89.7	89.7	89.7	
GE 2000	35.3	86.9	88.3	89.2	89.9	89.9	90.1	90.6	90.6	90.7	91.1	91.1	91.2	91.2	91.2	91.2	
GE 1800	35.3	87.2	88.8	89.7	90.3	90.3	90.6	91.0	91.0	91.1	91.6	91.6	91.7	91.7	91.7	91.7	
GE 1500	35.3	88.0	89.6	90.4	91.1	91.1	91.3	91.8	91.8	91.9	92.3	92.3	92.4	92.4	92.4	92.4	
GE 1200	35.3	89.7	91.2	92.2	92.9	92.9	93.1	93.6	93.6	93.7	94.1	94.1	94.2	94.2	94.2	94.2	
GE 1000	35.3	90.3	92.0	93.0	93.8	93.8	93.8	94.0	94.4	94.4	94.6	94.6	95.0	95.0	95.1	95.1	
GE 900	35.3	90.3	92.0	93.1	93.9	93.9	94.1	94.6	94.6	94.7	95.1	95.1	95.2	95.2	95.2	95.2	
GE 800	35.3	90.9	92.6	93.7	94.6	94.6	94.8	95.2	95.2	95.3	95.8	95.8	95.9	95.9	95.9	95.9	
GE 700	35.3	91.6	92.9	94.3	95.3	95.3	95.6	96.1	96.1	96.2	96.7	96.7	96.8	96.8	96.8	96.8	
GE 600	35.3	91.1	93.0	94.4	95.7	95.7	95.9	96.4	96.4	96.6	97.0	97.0	97.1	97.1	97.1	97.1	
GE 500	35.3	91.4	93.3	94.8	96.2	96.2	96.6	97.1	97.1	97.2	97.7	97.7	97.8	97.8	97.8	97.8	
GE 400	35.3	91.4	93.6	95.1	96.9	96.9	97.3	97.9	97.9	98.1	98.6	98.6	98.7	98.7	98.7	98.7	
GE 300	35.3	91.6	93.7	95.3	97.1	97.4	98.0	98.8	98.8	99.1	99.6	99.6	99.7	99.7	99.7	99.7	
GE 200	35.3	91.6	93.7	95.3	97.1	97.4	98.0	98.8	98.8	99.2	99.8	99.8	99.9	99.9	99.9	99.9	
GE 100	35.3	91.6	93.7	95.3	97.1	97.4	98.0	98.9	98.9	99.3	99.9	99.9	100.0	100.0	100.0	100.0	
GE 0	35.3	91.6	93.7	95.3	97.1	97.4	98.0	98.9	98.9	99.3	99.9	99.9	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(1ST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	26.0	58.7	59.8	60.8	61.6	61.7	61.8	61.9	62.0	62.2	62.3	62.3	62.4	62.4	62.7	62.7
GE 20000	28.0	63.7	64.9	65.9	66.8	66.9	67.2	67.6	67.7	67.9	68.0	68.0	68.1	68.1	68.4	68.4
GE 18000	28.1	63.9	65.1	66.1	67.0	67.1	67.4	67.8	67.9	68.1	68.2	68.2	68.3	68.3	68.7	68.7
GE 16000	28.1	64.0	65.2	66.2	67.1	67.2	67.6	67.9	68.0	68.2	68.3	68.3	68.4	68.4	68.8	68.8
GE 14000	28.8	65.1	66.3	67.3	68.2	68.3	68.7	69.0	69.1	69.3	69.4	69.4	69.6	69.6	69.9	69.9
GE 12000	29.7	67.2	68.6	69.7	70.6	70.7	71.0	71.3	71.6	71.6	71.9	71.9	72.0	72.0	72.3	72.3
GE 10000	30.4	70.2	71.7	72.8	73.7	73.8	74.1	74.4	74.7	74.9	75.0	75.0	75.1	75.1	75.6	75.6
GE 9000	30.4	70.8	72.2	73.3	74.2	74.3	74.7	75.0	75.2	75.4	75.6	75.6	75.7	75.7	76.1	76.1
GE 8000	31.3	73.4	75.2	76.4	77.3	77.4	77.8	78.1	78.3	78.6	78.7	78.7	78.8	78.8	79.2	79.2
GE 7000	31.8	73.9	75.8	77.0	77.9	78.0	78.3	78.7	78.9	79.1	79.2	79.2	79.3	79.3	79.8	79.8
GE 6000	32.0	74.4	76.3	77.6	78.6	78.7	79.1	79.4	79.7	79.9	80.0	80.0	80.1	80.1	80.6	80.6
GE 5000	32.1	76.2	78.1	79.4	80.7	80.8	81.2	81.6	81.8	82.0	82.1	82.1	82.2	82.2	82.7	82.7
GE 4500	32.1	76.9	78.8	80.2	81.4	81.6	82.0	82.3	82.6	82.8	82.9	82.9	83.0	83.0	83.4	83.4
GE 4000	32.4	78.3	80.4	82.1	83.3	83.6	84.1	84.4	84.7	84.9	85.0	85.0	85.1	85.1	85.6	85.6
GE 3500	32.4	78.6	81.0	82.7	84.0	84.2	84.8	85.1	85.3	85.6	85.7	85.7	85.8	85.8	86.2	86.2
GE 3000	32.4	79.1	81.9	83.6	85.1	85.4	86.0	86.4	86.7	86.9	87.0	87.0	87.1	87.1	87.6	87.6
GE 2500	32.4	79.4	82.2	84.1	85.7	86.0	86.6	87.0	87.2	87.4	87.6	87.6	87.7	87.7	88.1	88.1
GE 2000	32.8	80.7	83.4	85.3	86.9	87.2	87.8	88.2	88.4	88.7	88.8	88.8	88.9	88.9	89.3	89.3
GE 1800	32.8	81.1	83.9	85.8	87.3	87.7	88.2	88.7	88.9	89.1	89.2	89.2	89.3	89.3	89.8	89.8
GE 1500	32.8	82.2	85.1	87.0	88.6	88.9	89.4	89.9	90.1	90.3	90.4	90.4	90.6	90.6	91.0	91.0
GE 1200	32.8	83.1	86.2	88.1	89.7	90.0	90.6	91.1	91.3	91.6	91.7	91.7	91.8	91.8	92.2	92.2
GE 1000	32.8	84.0	87.2	89.1	90.9	91.3	91.9	92.4	92.7	92.9	93.0	93.0	93.1	93.1	93.6	93.6
GE 900	32.8	84.1	87.6	89.7	91.6	92.0	92.6	93.1	93.3	93.6	93.7	93.7	93.8	93.8	94.2	94.2
GE 800	32.8	84.3	87.9	90.2	92.4	92.9	93.4	94.0	94.2	94.4	94.6	94.6	94.7	94.7	95.1	95.1
GE 700	32.8	84.7	88.3	90.8	93.2	93.7	94.4	95.1	95.3	95.6	95.7	95.7	95.8	95.8	96.2	96.2
GE 600	32.8	84.9	88.6	91.0	93.4	94.0	94.9	95.6	95.8	96.1	96.2	96.2	96.3	96.3	96.8	96.8
GE 500	32.8	85.0	88.9	91.4	94.0	94.6	95.4	96.3	96.7	97.0	97.1	97.1	97.2	97.2	97.7	97.7
GE 400	32.8	85.2	89.1	92.1	94.9	95.6	96.6	97.7	98.0	98.3	98.4	98.4	98.6	98.6	99.0	99.0
GE 300	32.8	85.2	89.1	92.1	95.1	95.8	96.8	97.9	98.7	98.6	98.7	98.7	98.8	98.8	99.2	99.2
GE 200	32.8	85.2	89.1	92.1	95.1	95.8	96.8	97.9	98.2	98.6	98.7	98.8	98.9	98.9	99.4	99.4
GE 100	32.8	85.2	89.1	92.1	95.1	95.8	96.8	97.9	98.2	98.6	98.9	99.0	99.1	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.0	61.9	62.6	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 20000	31.4	68.6	70.0	70.4	70.6	70.6	70.6	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
GE 18000	31.7	69.0	70.2	70.7	70.8	70.8	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
GE 16000	31.8	69.1	70.3	70.8	70.9	70.9	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 14000	32.0	69.9	71.1	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
GE 12000	32.7	71.6	72.8	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6
GE 10000	33.4	74.8	76.1	76.7	76.8	76.8	76.8	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
GE 9000	33.9	75.3	76.7	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	34.3	78.1	79.7	80.2	80.3	80.3	80.3	80.3	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6
GE 7000	34.8	78.5	80.4	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6
GE 6000	34.9	79.3	80.9	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
GE 5000	34.9	79.7	81.2	82.3	82.4	82.4	82.4	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
GE 4500	35.0	80.0	81.6	82.7	82.8	82.8	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
GE 4000	35.2	81.4	83.0	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4
GE 3500	35.2	81.8	83.6	84.7	84.8	84.8	84.8	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0
GE 3000	35.2	83.0	84.9	86.3	86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0
GE 2500	35.3	84.2	86.1	87.6	87.9	87.9	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 2000	35.6	84.7	86.6	88.0	88.3	88.3	88.1	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
GE 1800	35.7	85.7	87.6	89.0	89.3	89.3	89.4	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
GE 1600	35.9	87.4	89.3	91.0	91.3	91.3	91.4	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
GE 1200	35.9	88.1	90.0	91.7	92.0	92.0	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
GE 1000	35.9	89.0	91.1	92.8	93.2	93.3	93.4	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
GE 900	35.9	89.4	91.7	93.3	93.8	93.9	94.0	94.4	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 800	35.9	89.7	92.0	93.8	94.7	94.8	94.9	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	35.9	89.9	92.3	94.4	95.6	95.6	95.9	96.4	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	35.9	90.1	92.8	95.0	96.2	96.6	96.7	97.2	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	35.9	90.3	93.1	95.4	96.8	97.1	97.3	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	35.9	90.3	93.2	95.8	97.1	97.4	97.7	98.7	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	35.9	90.3	93.3	95.9	97.2	97.6	98.0	99.0	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	35.9	90.3	93.3	95.9	97.2	97.6	98.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	35.9	90.3	93.3	95.9	97.2	97.6	98.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	35.9	90.3	93.3	95.9	97.2	97.6	98.0	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.3	64.2	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 20000	35.0	73.2	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 18000	35.3	73.8	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 16000	35.3	73.8	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 14000	35.9	74.7	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	75.9
GE 12000	36.2	76.0	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 10000	36.4	78.4	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	36.7	78.9	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 8000	36.9	81.2	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	37.0	81.9	83.2	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 6000	37.2	82.2	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 5000	37.3	83.4	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 4500	37.6	84.0	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4000	37.8	85.0	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3500	38.0	86.1	87.4	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3000	38.1	87.6	89.2	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2500	38.6	89.0	90.6	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	38.8	89.8	91.3	91.9	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	39.0	90.4	92.0	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1600	39.2	91.6	93.4	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	39.2	92.6	94.2	94.9	95.1	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	39.2	93.7	95.6	96.2	96.4	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	39.2	93.8	95.8	96.4	96.7	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	39.2	93.6	95.6	96.1	96.8	97.2	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	39.2	93.9	96.4	97.2	97.7	98.1	98.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 600	39.2	93.9	96.4	97.2	97.8	98.3	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
GE 500	39.2	94.2	96.8	97.6	98.1	98.7	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	39.2	94.2	96.8	97.6	98.1	98.7	99.0	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 300	39.2	94.2	96.9	97.7	98.2	98.8	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	39.2	94.2	96.9	97.7	98.2	98.8	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	39.2	94.2	96.9	97.7	98.2	98.8	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	39.2	94.2	96.9	97.7	98.2	98.8	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 1500-1700

CEILING IN FLEET	VISIBILITY IN STATUTE MILES																
	10	6	5	4	3	2	1 1/2	1	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	28.9	61.7	63.0	63.1	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 20000	33.0	74.0	75.3	75.4	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 18000	33.1	74.4	75.8	75.9	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 16000	33.1	74.6	75.9	76.0	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 14000	33.9	75.7	77.0	77.1	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 12000	34.4	77.8	79.1	79.2	79.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 10000	35.0	80.2	81.7	82.0	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 9000	35.1	80.6	82.0	82.3	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 8000	35.2	82.3	84.0	84.3	84.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 7000	35.3	82.9	84.8	85.1	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 6000	35.7	83.7	85.6	85.9	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 5000	36.2	85.1	87.0	87.3	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 4000	36.3	85.7	87.6	87.9	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3000	37.0	87.7	89.6	90.1	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	37.4	88.6	90.4	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1000	37.7	89.9	91.8	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 800	38.1	90.8	92.7	93.3	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 700	38.3	91.4	93.3	94.0	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 600	38.3	91.7	93.6	94.2	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 500	38.4	92.2	94.1	94.8	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 400	38.4	93.3	95.2	95.9	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 300	38.4	93.9	96.1	97.0	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 200	38.4	94.0	96.2	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 100	38.4	94.6	97.1	98.0	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	38.4	94.7	97.2	98.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	38.4	95.0	97.6	98.4	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	38.4	95.2	97.9	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	38.4	95.2	97.9	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	38.4	95.2	97.9	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	38.4	95.2	97.9	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	38.4	95.2	97.9	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	38.4	95.2	97.9	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	38.4	95.2	97.9	99.0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/AFAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2
NO CLIL	79.2	85.9	66.7	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 2000	33.4	76.8	77.7	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 1800	33.4	76.9	77.8	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
GE 1600	33.4	77.2	78.1	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1400	33.7	77.8	78.7	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 1200	35.0	80.6	81.4	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1000	35.8	83.2	84.1	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 900	36.0	84.6	85.4	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 800	36.0	87.0	87.9	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 700	36.1	87.4	88.4	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 600	36.2	87.8	88.8	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 500	36.6	88.9	90.0	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 450	36.6	89.2	90.3	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 400	36.8	90.1	91.4	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 350	36.9	91.0	92.3	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 300	37.1	91.6	93.3	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 250	37.1	92.0	93.0	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 200	37.1	92.7	94.2	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 180	37.2	92.9	94.4	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 150	37.2	93.1	94.7	95.1	95.2	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 120	37.3	94.2	95.8	96.3	96.4	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 100	37.3	94.6	96.1	96.7	96.8	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 90	37.3	94.8	96.6	97.1	97.2	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 80	37.3	95.1	96.9	97.6	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 70	37.3	95.3	97.1	97.8	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 60	37.3	95.3	97.1	97.9	98.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 50	37.3	95.4	97.2	98.1	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 40	37.3	95.4	97.2	98.1	98.9	99.0	99.2	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 30	37.3	95.6	97.3	98.2	99.0	99.1	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	37.3	95.6	97.3	98.2	99.0	99.1	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	37.3	95.6	97.3	98.2	99.0	99.1	99.3	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 21

CEILING IN FEET	VISIBILITY IN STATUTE MILES													
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	32.7	70.2	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 20000	34.4	77.4	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 18000	34.6	77.6	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 16000	34.6	77.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 14000	34.8	78.1	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 12000	35.0	79.0	79.2	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 10000	35.4	81.3	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 9000	35.4	81.6	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	36.3	85.1	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 7000	36.3	85.4	85.8	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 6000	36.3	86.0	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 5000	36.8	87.9	88.2	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 4500	36.9	88.4	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 4000	37.3	90.6	90.9	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3500	37.7	91.3	91.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3000	37.7	92.9	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	37.7	92.9	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	37.9	93.9	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	37.9	93.9	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1500	37.9	94.1	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1200	37.9	94.9	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	37.9	95.4	96.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	37.9	95.6	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	37.9	96.1	96.9	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	37.9	96.1	96.9	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	37.9	96.2	97.0	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	37.9	96.2	97.1	98.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	37.9	96.3	97.2	98.1	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	37.9	96.4	97.3	98.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	37.9	96.4	97.3	98.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	37.9	96.4	97.3	98.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	37.9	96.4	97.3	98.2	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	29.9	64.5	65.3	65.7	65.9	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	
GE 20000	32.5	71.9	72.8	73.3	73.5	73.6	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	74.0	74.0	
GE 18000	32.7	72.2	73.1	73.5	73.7	73.8	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.2	74.2	
GE 16000	32.7	72.4	73.3	73.7	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	
GE 14000	33.0	73.1	74.0	74.4	74.7	74.7	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	
GE 12000	33.6	74.7	75.7	76.1	76.3	76.4	76.5	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8	
GE 10000	34.1	77.2	78.2	78.7	79.0	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	
GE 9000	34.2	77.7	78.7	79.2	79.5	79.5	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	
GE 8000	34.6	80.3	81.5	82.0	82.3	82.3	82.4	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	
GE 7000	34.8	80.9	82.2	82.8	83.1	83.1	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.6	
GE 6000	34.9	81.5	82.8	83.4	83.7	83.7	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2	
GE 5000	35.3	83.0	84.3	85.0	85.3	85.4	85.5	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	
GE 4500	35.5	83.7	85.0	85.7	86.0	86.1	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.6	86.6	
GE 4000	36.0	85.3	86.7	87.5	87.8	87.8	88.0	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	
GE 3500	36.1	85.8	87.3	88.1	88.5	88.5	88.7	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	
GE 3000	36.3	87.3	88.9	89.8	90.2	90.3	90.5	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.9	90.9	
GE 2500	36.4	87.9	89.6	90.5	90.9	91.0	91.2	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.6	
GE 2000	36.6	88.7	90.4	91.4	91.8	91.9	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.5	92.5	
GE 1800	36.7	89.1	90.8	91.7	92.2	92.3	92.4	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	
GE 1500	36.7	89.9	91.6	92.6	93.1	93.2	93.3	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	
GE 1200	36.8	90.8	92.6	93.6	94.1	94.2	94.4	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	
GE 1000	36.8	91.6	93.5	94.6	95.1	95.2	95.4	95.7	95.7	95.8	95.9	95.9	95.9	95.9	96.0	96.0	
GE 900	36.8	91.8	93.8	94.9	95.4	95.6	95.8	96.0	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	
GE 800	36.8	92.1	94.3	95.4	96.1	96.3	96.5	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.1	97.1	
GE 700	36.8	92.3	94.5	95.6	96.6	96.8	97.0	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	
GE 600	36.8	92.5	94.8	96.1	97.1	97.3	97.6	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	
GE 500	36.8	92.7	95.0	96.4	97.6	97.8	98.1	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	
GE 400	36.8	92.8	95.2	96.6	97.9	98.1	98.5	99.0	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	
GE 300	36.8	92.8	95.2	96.7	98.0	98.3	98.8	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	
GE 200	36.8	92.8	95.2	96.7	98.1	98.3	98.8	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	
GE 100	36.8	92.8	95.2	96.7	98.1	98.3	98.8	99.3	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	
GE 0	36.8	92.8	95.2	96.7	98.1	98.3	98.8	99.3	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7200



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2
NO CEIL	35.2	65.1	65.1	65.2	65.5	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.0
GE 20000	35.1	68.9	69.0	69.1	69.5	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0
GE 18000	36.3	69.1	69.2	69.4	69.7	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2
GE 16000	36.5	69.5	69.6	69.7	70.0	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5
GE 14000	36.6	70.0	70.1	70.2	70.5	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1
GE 12000	36.9	70.5	70.8	70.9	71.2	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7
GE 10000	37.3	72.2	72.4	72.5	72.8	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3
GE 9000	37.3	72.2	72.4	72.5	72.8	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3
GE 8000	38.6	74.6	74.8	74.9	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 7000	38.9	75.3	75.5	75.6	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.5
GE 6000	38.9	75.5	75.7	75.8	76.1	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7
GE 5000	39.6	77.7	78.1	78.2	78.5	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
GE 4500	39.6	78.1	78.4	78.5	78.8	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4
GE 4000	39.9	79.1	79.5	79.6	80.0	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5
GE 3500	39.9	79.7	80.1	80.2	80.6	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2
GE 3000	39.9	81.0	81.4	81.6	82.0	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6
GE 2500	40.0	81.7	82.6	82.8	83.3	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9
GE 2000	40.2	82.3	83.5	83.9	84.5	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	85.2
GE 1800	40.3	82.4	83.7	84.0	84.6	84.7	84.7	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.3
GE 1500	40.9	83.7	84.9	85.3	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.6	86.6	86.6	86.6	86.9
GE 1200	40.9	84.1	85.8	86.1	87.0	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.6	87.6	87.6	87.6	87.8
GE 1000	40.9	84.9	86.8	87.2	88.4	88.5	88.5	88.7	88.7	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.2
GE 900	40.9	85.2	87.3	87.8	89.2	89.5	89.5	89.6	89.8	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.3
GE 800	40.9	85.7	88.0	88.5	89.9	90.2	90.4	90.6	90.6	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.2
GE 700	40.9	86.0	88.5	89.0	90.4	90.8	91.0	91.2	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.7
GE 600	40.9	87.1	89.8	90.6	92.0	92.4	92.7	92.9	92.9	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.5
GE 500	40.9	87.4	90.3	91.6	93.4	93.9	94.5	95.2	95.3	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.9
GE 400	40.9	88.1	91.1	92.4	94.5	94.9	95.6	96.5	96.6	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.4
GE 300	40.9	88.2	91.2	92.5	94.9	95.5	96.1	97.0	97.1	97.4	97.6	97.6	97.6	97.7	97.7	97.7	98.1
GE 200	40.9	88.2	91.2	92.5	95.1	95.6	96.5	97.5	97.6	98.5	98.9	98.9	98.9	99.0	99.0	99.1	99.4
GE 100	40.9	88.2	91.2	92.5	95.1	95.6	96.5	97.5	97.6	98.5	98.9	98.9	98.9	99.0	99.1	99.2	99.5
GE 01	40.9	88.2	91.2	92.5	95.1	95.6	96.5	97.5	97.6	98.5	98.9	98.9	98.9	99.0	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	32.9	59.7	60.2	60.2	60.6	60.6	61.0	61.1	61.3	61.4	61.4	61.4	61.4	61.6	61.6	61.7	62.0
GE 20000	34.1	62.7	63.2	63.2	63.7	63.6	64.0	64.1	64.3	64.4	64.4	64.4	64.4	64.6	64.6	64.7	65.1
GE 18000	34.1	62.7	63.2	63.2	63.7	63.8	64.0	64.1	64.3	64.4	64.4	64.4	64.4	64.6	64.6	64.7	65.1
GE 16000	34.1	62.7	63.2	63.2	63.7	63.8	64.0	64.1	64.3	64.4	64.4	64.4	64.4	64.6	64.6	64.7	65.1
GE 14000	34.2	63.4	64.0	64.0	64.4	64.5	64.7	64.8	65.1	65.2	65.2	65.2	65.2	65.4	65.4	65.5	65.8
GE 12000	34.3	63.8	64.3	64.3	64.7	64.8	65.1	65.2	65.4	65.5	65.5	65.5	65.5	65.7	65.7	65.8	66.1
GE 10000	35.1	65.1	65.7	65.7	66.1	66.2	66.5	66.6	66.8	66.9	66.9	66.9	66.9	67.1	67.1	67.2	67.5
GE 9000	35.1	65.3	65.9	65.9	66.3	66.5	66.7	66.8	67.0	67.1	67.1	67.1	67.1	67.3	67.3	67.4	67.7
GE 8000	36.6	68.0	68.6	68.6	69.0	69.1	69.4	69.5	69.7	69.8	69.8	69.8	69.8	70.0	70.0	70.1	70.4
GE 7000	36.6	68.3	68.9	68.9	69.4	69.5	69.7	69.8	70.0	70.1	70.1	70.1	70.3	70.3	70.4	70.9	70.9
GE 6000	37.0	69.0	69.7	69.7	70.1	70.2	70.4	70.5	70.8	70.9	70.9	70.9	71.1	71.1	71.2	71.6	71.6
GE 5000	37.1	70.3	71.0	71.0	71.4	71.5	71.7	71.8	72.0	72.2	72.2	72.2	72.4	72.4	72.5	72.9	72.9
GE 4500	37.4	71.3	71.9	72.0	72.5	72.7	72.9	73.0	73.2	73.3	73.3	73.3	73.5	73.5	73.7	74.1	74.1
GE 4000	37.7	73.8	74.4	74.5	74.9	75.2	75.4	75.5	75.7	75.8	75.8	75.8	76.0	76.0	76.1	76.6	76.6
GE 3500	38.0	74.7	75.4	75.6	76.0	76.2	76.5	76.6	76.8	76.9	76.9	76.9	77.1	77.1	77.2	77.6	77.6
GE 3000	38.2	76.3	77.2	77.7	78.3	78.5	78.8	78.9	79.1	79.2	79.2	79.2	79.5	79.5	79.6	80.0	80.0
GE 2500	38.3	77.3	78.3	78.8	79.4	79.6	79.9	80.0	80.2	80.3	80.3	80.3	80.5	80.5	80.6	81.1	81.1
GE 2000	38.5	78.7	79.7	80.2	80.8	81.0	81.3	81.4	81.6	81.7	81.7	81.7	81.9	81.9	82.0	82.5	82.5
GE 1800	38.6	78.9	80.0	80.5	81.2	81.4	81.7	81.8	82.0	82.2	82.2	82.2	82.4	82.4	82.5	82.9	82.9
GE 1500	39.2	80.4	81.6	82.4	83.0	83.2	83.5	83.7	83.9	84.0	84.0	84.0	84.2	84.2	84.3	84.7	84.7
GE 1200	39.4	81.6	83.1	84.0	84.8	85.1	85.4	85.5	85.7	85.8	85.8	85.8	86.0	86.0	86.1	86.6	86.6
GE 1000	39.4	82.3	84.2	85.1	86.1	86.3	86.8	86.9	87.1	87.2	87.2	87.2	87.4	87.4	87.5	88.0	88.0
GE 900	39.5	82.6	84.6	85.5	86.7	86.9	87.3	87.4	87.6	87.6	87.6	87.6	87.8	87.8	88.1	88.2	88.6
GE 800	39.5	83.1	85.3	86.2	87.4	87.6	88.2	88.3	88.5	88.7	88.7	88.7	88.9	88.9	89.0	89.5	89.5
GE 700	39.5	83.4	86.2	87.3	88.5	88.8	89.4	89.5	89.8	90.0	90.0	90.0	90.2	90.2	90.4	90.9	90.9
GE 600	39.6	84.5	87.6	89.1	90.8	91.1	91.6	91.7	92.0	92.3	92.3	92.3	92.5	92.5	92.7	93.1	93.1
GE 500	39.6	85.1	88.4	90.1	92.8	93.2	93.9	94.0	94.3	94.5	94.5	94.5	94.7	94.7	94.9	95.5	95.5
GE 400	39.6	85.2	88.8	90.6	93.8	94.2	94.8	94.9	95.4	95.7	95.7	95.7	95.9	95.9	96.1	96.7	96.7
GE 300	39.6	85.5	89.1	91.0	94.1	94.6	95.5	95.8	96.5	97.2	97.2	97.2	97.4	97.4	97.6	98.2	98.2
GE 200	39.6	85.5	89.1	91.0	94.2	94.7	95.6	96.0	96.7	97.6	97.6	97.6	97.8	97.8	98.1	98.6	98.6
GE 100	39.6	85.5	89.1	91.0	94.2	94.7	95.6	96.2	96.9	98.0	98.2	98.2	98.4	98.4	98.6	99.1	99.1
GE 0	39.6	85.5	89.1	91.0	94.2	94.7	95.6	96.2	96.9	98.0	98.2	98.2	98.4	98.4	98.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LOCAL): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.5	51.9	53.1	53.8	54.4	54.4	54.6	54.7	55.2	55.4	55.5	55.6	55.6	55.6	55.7	56.5
GE 20000	31.2	56.2	57.4	58.1	58.8	58.8	59.0	59.1	59.6	59.8	59.9	60.0	60.0	60.0	60.1	60.9
GE 18000	31.2	56.3	57.5	58.2	58.9	58.9	59.1	59.2	59.7	59.9	60.0	60.1	60.1	60.1	60.2	61.0
GE 16000	31.2	56.3	57.5	58.2	58.9	58.9	59.1	59.2	59.7	59.9	60.0	60.1	60.1	60.1	60.2	61.0
GE 14000	31.3	57.3	58.5	59.1	59.9	59.9	60.1	60.2	60.6	60.9	61.0	61.1	61.1	61.1	61.2	61.9
GE 12000	31.7	58.4	59.6	60.3	61.1	61.1	61.4	61.5	61.9	62.2	62.3	62.4	62.4	62.4	62.5	63.2
GE 10000	32.6	60.9	62.2	62.9	63.7	63.7	64.0	64.1	64.5	64.7	64.8	64.9	64.9	64.9	65.1	65.8
GE 9000	32.6	61.0	62.3	63.0	63.8	63.8	64.1	64.2	64.6	64.8	64.9	65.1	65.1	65.1	65.2	65.9
GE 8000	34.7	63.0	64.3	65.1	65.8	65.8	66.1	66.2	66.7	66.9	67.0	67.1	67.1	67.1	67.2	68.0
GE 7000	34.5	64.1	65.4	66.1	66.9	66.9	67.2	67.3	67.7	68.0	68.1	68.2	68.2	68.2	68.3	69.0
GE 6000	35.1	65.1	66.7	67.4	68.2	68.2	68.5	68.6	69.0	69.2	69.4	69.5	69.5	69.5	69.6	70.3
GE 5000	35.5	66.6	68.2	68.9	69.7	69.7	70.0	70.1	70.5	70.8	70.9	71.0	71.0	71.0	71.1	71.8
GE 4500	35.8	67.6	69.4	70.1	70.9	70.9	71.2	71.3	71.7	71.9	72.0	72.2	72.2	72.2	72.3	73.0
GE 4000	36.6	69.7	71.4	72.2	72.9	73.0	73.3	73.4	73.9	74.1	74.2	74.3	74.3	74.3	74.4	75.2
GE 3500	36.6	70.1	71.9	72.7	73.5	73.7	74.0	74.1	74.5	74.7	74.8	74.9	74.9	74.9	75.1	75.8
GE 3000	37.0	71.4	73.3	74.1	74.9	75.1	75.4	75.5	75.9	76.1	76.2	76.3	76.3	76.3	76.5	77.2
GE 2500	37.2	71.9	73.9	74.6	75.7	75.8	76.1	76.3	76.8	77.0	77.1	77.2	77.2	77.2	77.3	78.1
GE 2000	37.4	73.8	75.7	76.5	77.6	77.7	78.1	78.3	78.7	78.9	79.0	79.1	79.1	79.1	79.2	80.0
GE 1800	37.4	74.1	76.0	76.8	78.1	78.2	78.5	78.7	79.1	79.4	79.5	79.6	79.6	79.6	79.7	80.4
GE 1600	37.6	75.8	78.1	78.9	80.3	80.5	81.0	81.2	81.6	81.8	81.9	82.0	82.0	82.0	82.2	82.9
GE 1200	37.8	76.6	78.9	79.8	81.2	81.4	81.9	82.2	82.6	82.8	82.9	83.0	83.0	83.0	83.1	83.9
GE 1000	38.0	77.2	80.0	81.0	82.5	82.7	83.2	83.4	83.9	84.1	84.2	84.3	84.3	84.3	84.4	85.2
GE 900	38.0	77.8	80.6	81.6	83.3	83.5	84.1	84.3	84.7	84.9	85.1	85.2	85.2	85.2	85.3	86.0
GE 800	38.0	78.9	81.8	83.2	85.2	85.5	86.0	86.2	86.7	86.9	87.0	87.1	87.1	87.1	87.2	88.1
GE 700	38.0	79.4	82.9	84.5	86.6	86.9	87.5	87.7	88.2	88.5	88.6	88.7	88.8	88.8	88.9	89.8
GE 600	38.0	79.6	83.2	85.2	87.6	88.0	88.7	88.9	89.4	89.7	89.8	89.9	90.0	90.1	90.2	91.0
GE 500	38.0	79.9	83.5	85.6	88.6	89.2	90.0	90.4	91.0	91.4	91.5	91.6	91.7	91.8	91.9	92.7
GE 400	38.1	80.6	84.6	87.0	90.5	91.3	92.4	93.0	93.7	94.2	94.3	94.4	94.5	94.6	94.7	95.5
GE 300	38.1	80.8	84.8	87.2	91.2	91.9	93.1	93.8	94.7	95.4	95.5	95.6	95.8	95.9	96.0	96.9
GE 200	38.1	80.8	84.8	87.2	91.3	92.0	93.2	93.9	95.2	96.0	96.5	96.6	96.8	97.1	97.2	98.3
GE 100	38.1	80.8	84.8	87.2	91.3	92.0	93.2	94.0	95.3	96.5	96.9	97.0	97.3	97.6	97.8	99.5
GE 0	38.1	80.8	84.8	87.2	91.3	92.0	93.2	94.0	95.3	96.5	96.9	97.0	97.4	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.8	54.1	54.9	55.2	55.5	55.7	55.8	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.3	56.5
GE 20000	33.2	60.2	61.1	61.3	61.6	61.8	61.9	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.5	62.6
GE 18000	33.3	60.3	61.2	61.4	61.7	61.9	62.0	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.6	62.7
GE 16000	33.3	60.3	61.2	61.5	61.8	62.0	62.2	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.7	62.8
GE 14000	33.3	60.9	61.7	62.0	62.4	62.6	62.7	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.2	63.3
GE 12000	33.5	62.8	63.7	64.0	64.3	64.5	64.6	64.8	64.8	64.9	64.9	65.1	65.1	65.1	65.2	65.3
GE 10000	34.1	64.6	65.5	65.8	66.1	66.3	66.5	66.7	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.1
GE 9000	34.2	64.7	65.6	65.9	66.2	66.5	66.6	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.1	67.2
GE 8000	35.1	66.5	67.3	67.6	68.0	68.2	68.3	68.5	68.5	68.6	68.6	68.7	68.7	68.7	68.8	68.9
GE 7000	35.8	67.4	68.3	68.6	68.9	69.1	69.2	69.5	69.5	69.6	69.6	69.7	69.7	69.7	69.8	69.9
GE 6000	36.0	68.1	68.9	69.2	69.6	69.8	69.9	70.1	70.1	70.2	70.2	70.3	70.3	70.3	70.4	70.5
GE 5000	36.3	69.1	70.1	70.4	70.8	71.0	71.1	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.6	71.7
GE 4500	36.5	69.6	70.5	70.9	71.2	71.4	71.5	71.7	71.7	71.8	71.8	71.9	71.9	71.9	72.0	72.1
GE 4000	36.6	70.4	71.5	71.9	72.3	72.6	72.7	72.9	72.9	73.0	73.0	73.1	73.1	73.1	73.2	73.3
GE 3500	36.8	70.6	71.7	72.2	72.5	72.8	72.9	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.4	73.5
GE 3000	37.2	72.5	73.5	74.0	74.4	74.7	74.8	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.4	75.5
GE 2500	37.6	73.5	74.6	75.1	75.6	75.9	76.0	76.2	76.2	76.3	76.3	76.5	76.5	76.5	76.6	76.7
GE 2000	38.0	76.0	77.2	77.7	78.4	78.7	78.8	79.0	79.0	79.1	79.1	79.2	79.2	79.2	79.4	79.5
GE 1800	38.2	76.6	77.8	78.4	79.0	79.4	79.5	79.7	79.7	79.8	79.8	79.9	79.9	79.9	80.0	80.1
GE 1500	38.5	78.4	79.8	80.3	81.1	81.4	81.5	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.0	82.1
GE 1200	38.9	80.8	82.3	82.8	83.7	84.1	84.2	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.8
GE 1000	38.9	81.7	83.7	84.5	85.5	86.0	86.2	86.5	86.5	86.6	86.6	86.7	86.7	86.7	86.8	86.9
GE 900	38.9	83.0	85.4	86.2	87.3	88.0	88.3	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.8	88.9
GE 800	39.0	83.9	86.9	88.1	89.1	89.8	90.1	90.3	90.3	90.5	90.5	90.6	90.6	90.6	90.8	90.9
GE 700	39.0	84.2	87.7	88.9	90.1	90.8	91.2	91.4	91.4	91.6	91.6	91.7	91.7	91.7	91.8	91.9
GE 600	39.0	84.8	88.6	90.2	91.8	92.5	92.9	93.1	93.1	93.3	93.3	93.4	93.4	93.4	93.5	93.7
GE 500	39.0	85.3	89.0	91.0	92.7	93.4	94.1	94.5	94.5	94.7	94.7	94.8	94.8	94.8	94.9	95.1
GE 400	39.0	85.6	89.7	91.7	94.0	94.7	95.6	96.5	96.5	97.0	97.0	97.1	97.2	97.2	97.3	97.4
GE 300	39.0	85.6	89.6	91.8	94.3	95.1	95.9	96.8	97.0	97.4	97.6	97.7	97.7	97.7	97.8	98.0
GE 200	39.0	85.6	89.9	91.9	94.4	95.3	96.1	97.1	97.3	98.3	98.5	98.6	98.7	98.9	99.1	99.4
GE 100	39.0	85.6	89.9	91.9	94.4	95.3	96.1	97.1	97.3	98.3	98.5	98.6	99.0	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	34.2	58.5	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 20000	36.7	64.7	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 18000	36.7	64.9	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 16000	36.7	65.1	65.5	65.6	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
GE 14000	36.8	65.6	66.0	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 12000	37.2	67.4	67.8	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 10000	37.8	69.5	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 9000	37.8	69.5	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 8000	38.5	71.1	71.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 7000	38.7	71.6	72.0	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	72.5
GE 6000	38.7	71.9	72.4	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 5000	38.7	72.5	72.9	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4500	38.7	72.5	72.9	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	39.2	73.3	73.8	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3500	39.7	74.1	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3000	40.2	77.6	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 2500	40.8	78.9	79.6	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 2000	41.0	80.9	81.6	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 1800	41.4	81.6	82.5	82.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1500	41.5	83.7	84.7	85.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1200	41.9	86.1	87.4	88.2	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1000	41.9	87.6	89.2	90.3	91.7	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 900	41.9	88.2	89.9	91.0	92.4	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 800	41.9	89.4	91.4	92.7	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	41.9	89.4	91.7	93.1	94.6	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	41.9	90.8	93.2	94.8	96.5	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 500	41.9	91.2	93.9	95.5	97.3	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	41.9	91.2	94.1	95.7	97.7	98.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	41.9	91.3	94.2	95.8	98.0	98.2	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	41.9	91.3	94.2	95.8	98.0	98.2	98.7	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	41.9	91.3	94.2	95.8	98.0	98.2	98.7	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	41.9	91.3	94.2	95.8	98.0	98.2	98.7	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE U
NO CEIL	32.8	59.5	59.5	54.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 20000	36.2	68.2	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 18000	36.3	68.3	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 16000	36.3	68.5	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 14000	36.5	69.0	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 12000	36.9	70.3	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 10000	37.6	72.8	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 9000	37.7	73.0	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 8000	38.1	74.0	74.7	74.7	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 7000	38.4	74.6	75.4	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 6000	38.5	74.8	75.6	75.6	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 5000	38.8	75.7	76.5	76.6	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	38.8	75.9	76.7	76.8	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4000	38.9	76.8	77.5	77.6	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3500	39.0	77.0	77.8	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3000	39.8	80.8	81.8	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	39.9	82.7	83.9	84.0	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
GE 2000	40.4	85.1	86.5	86.6	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
GE 1800	40.4	85.5	86.9	87.1	87.4	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
GE 1500	40.6	86.9	88.9	89.4	90.1	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 1200	40.9	88.7	90.8	91.3	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 1000	40.9	89.0	91.2	91.9	93.2	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 900	40.9	89.0	91.3	92.0	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 800	40.9	89.5	91.8	92.8	94.6	94.8	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	40.9	89.7	92.3	93.3	95.3	95.6	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 600	40.9	91.1	93.8	94.9	96.9	97.2	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	40.9	91.7	94.5	95.8	97.7	98.2	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	40.9	91.8	94.6	96.0	98.0	98.4	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	40.9	91.9	94.8	96.2	98.2	98.6	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	40.9	91.9	94.8	96.2	98.2	98.6	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	40.9	91.9	94.8	96.2	98.2	98.6	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	40.9	91.9	94.8	96.2	98.2	98.6	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	35.1	64.6	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 20000	37.2	71.5	71.9	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 18000	37.3	71.8	72.3	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 16000	37.3	71.8	72.3	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 14000	37.3	72.5	73.0	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 12000	38.2	74.1	74.6	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 10000	39.0	76.2	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 9000	39.1	76.3	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 8000	39.5	77.0	77.6	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 7000	39.5	77.7	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 6000	39.5	77.8	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 5000	40.0	78.8	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4500	40.0	78.8	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4000	40.2	80.3	81.4	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 3500	40.3	81.2	82.7	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3000	40.5	82.6	84.2	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	40.8	83.7	85.4	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2000	41.0	85.5	87.4	87.6	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1800	41.0	85.7	87.6	87.8	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1500	41.2	86.3	88.6	88.9	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1200	41.3	88.4	90.6	91.0	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	41.3	89.1	91.6	91.9	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 900	41.3	89.6	92.0	92.4	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 800	41.3	90.0	92.6	92.9	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	41.3	90.4	93.2	93.7	95.5	95.7	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	41.3	90.9	93.7	94.3	96.2	96.6	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	41.3	91.0	93.9	94.5	96.7	97.0	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 400	41.3	91.2	94.1	94.8	97.6	98.0	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	41.3	91.4	94.3	95.1	98.0	98.3	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	41.3	91.4	94.4	95.2	98.1	98.4	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	41.3	91.4	94.4	95.2	98.1	98.4	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	41.3	91.4	94.4	95.2	98.1	98.4	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	36.5	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	66.1
GE 20000	37.4	71.5	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.5
GE 18000	37.7	71.8	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	72.5	72.8
GE 16000	37.7	72.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1
GE 14000	37.7	72.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1
GE 12000	37.8	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.0
GE 10000	38.6	75.2	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.2
GE 9000	38.6	75.3	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.3
GE 8000	39.5	76.7	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7
GE 7000	39.6	77.5	77.8	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.6
GE 6000	39.6	77.6	78.0	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	78.8
GE 5000	39.7	78.8	79.1	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.2
GE 4500	39.7	79.0	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.4
GE 4000	40.2	80.3	80.6	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.7
GE 3500	40.3	80.6	81.0	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.0
GE 3000	40.3	81.9	82.6	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7
GE 2500	40.6	84.3	85.2	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8
GE 2000	40.6	85.2	86.0	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
GE 1800	40.6	85.2	86.0	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
GE 1500	40.6	86.1	87.4	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0
GE 1200	40.6	87.2	88.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4
GE 1000	40.6	88.2	89.9	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
GE 900	40.6	88.7	90.5	91.7	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.8
GE 800	40.6	88.9	90.9	92.5	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
GE 700	40.6	89.0	91.2	92.9	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.6
GE 600	40.6	89.4	91.5	93.2	94.5	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.3
GE 500	40.6	90.0	92.4	94.2	95.9	96.0	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.2
GE 400	40.6	90.3	92.7	94.6	96.5	96.6	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.3
GE 300	40.6	90.3	92.7	94.6	96.6	96.7	97.2	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.6
GE 200	40.6	90.3	92.9	94.8	96.9	97.1	97.6	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.8
GE 100	40.6	90.3	92.9	94.8	96.9	97.1	97.6	98.3	98.5	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.9
GE 0	40.6	90.3	92.9	94.8	96.9	97.1	97.6	98.3	98.5	98.9	99.2	99.2	99.5	99.6	99.6	100.0	

TOTAL NUMB. P. OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.5	60.1	60.5	60.7	61.0	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.6
GE 20000	35.3	65.5	66.0	66.2	66.5	66.6	66.6	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.2
GE 18000	35.4	65.7	66.2	66.4	66.7	66.7	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.4
GE 16000	35.4	65.8	66.3	66.5	66.9	66.9	67.0	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.5
GE 14000	35.5	66.4	66.9	67.1	67.4	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.9	68.1
GE 12000	35.8	67.5	68.1	68.3	68.7	68.7	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.3
GE 10000	36.5	69.5	70.2	70.4	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.4
GE 9000	36.6	69.7	70.3	70.5	70.9	70.9	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.5
GE 8000	37.5	71.3	72.0	72.2	72.6	72.6	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.3
GE 7000	37.7	72.1	72.7	73.0	73.3	73.4	73.5	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.8	74.0
GE 6000	37.9	72.5	73.2	73.4	73.8	73.8	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.5
GE 5000	38.2	73.7	74.4	74.7	75.1	75.1	75.2	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.8
GE 4500	38.3	74.1	74.9	75.2	75.5	75.6	75.7	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.2
GE 4000	38.7	75.5	76.3	76.6	77.0	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5	77.7
GE 3500	38.8	76.0	76.9	77.2	77.6	77.7	77.8	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.4
GE 3000	39.1	78.0	79.0	79.4	79.9	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.4	80.4	80.4	80.6
GE 2500	39.4	79.3	80.4	80.8	81.4	81.5	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.2
GE 2000	39.6	80.9	82.2	82.7	83.3	83.4	83.5	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.9	84.1
GE 1800	39.7	81.2	82.6	83.1	83.7	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.5
GE 1500	40.0	82.7	84.3	84.9	85.7	85.8	85.9	86.0	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.5
GE 1200	40.2	84.2	86.0	86.6	87.5	87.6	87.8	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.4
GE 1000	40.2	85.0	87.1	87.9	89.0	89.2	89.4	89.5	89.6	89.7	89.7	89.7	89.8	89.8	89.8	90.0
GE 900	40.2	85.5	87.7	88.5	89.8	90.0	90.3	90.4	90.4	90.5	90.6	90.6	90.6	90.6	90.7	90.9
GE 800	40.3	86.2	88.6	89.6	91.0	91.3	91.5	91.7	91.7	91.8	91.9	91.9	91.9	91.9	92.0	92.2
GE 700	40.3	86.4	89.2	90.3	91.9	92.2	92.6	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.3
GE 600	40.3	87.3	90.2	91.6	93.3	93.6	94.1	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.7	94.9
GE 500	40.3	87.7	90.7	92.3	94.4	94.8	95.4	95.8	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.5
GE 400	40.3	88.0	91.2	92.9	95.3	95.8	96.5	97.0	97.2	97.4	97.5	97.6	97.6	97.6	97.7	97.9
GE 300	40.3	88.1	91.4	93.0	95.6	96.1	96.8	97.4	97.7	98.1	98.2	98.2	98.3	98.3	98.4	98.6
GE 200	40.3	88.1	91.4	93.1	95.8	96.2	97.0	97.7	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.4
GE 100	40.3	88.1	91.4	93.1	95.8	96.2	97.0	97.7	98.0	98.7	99.0	99.0	99.2	99.2	99.3	99.7
GE 0	40.3	88.1	91.4	93.1	95.8	96.2	97.0	97.7	98.0	98.7	99.0	99.0	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.7	54.4	55.0	55.8	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2
GE 20000	25.6	59.9	60.4	61.2	61.3	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7
GE 18000	25.7	60.1	60.7	61.4	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 16000	25.7	60.1	60.7	61.4	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 14000	25.9	60.4	61.0	61.8	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
GE 12000	26.1	61.9	62.4	63.2	63.3	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7
GE 10000	26.9	63.8	64.6	65.3	65.4	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8
GE 9000	26.9	64.0	64.8	65.6	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0
GE 8000	27.3	65.4	66.2	67.0	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
GE 7000	28.0	66.9	67.7	68.4	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
GE 6000	28.2	67.6	68.3	69.1	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6
GE 5000	28.3	68.1	68.9	69.9	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3
GE 4500	28.7	69.0	69.8	70.8	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
GE 4000	28.7	70.4	71.2	72.2	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
GE 3500	29.4	72.2	73.0	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4
GE 3000	29.8	74.6	75.4	76.6	76.8	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
GE 2500	30.3	76.3	77.2	78.4	78.7	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
GE 2000	30.7	77.7	79.0	80.2	80.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0
GE 1800	30.7	78.1	79.6	80.8	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6
GE 1500	30.9	79.6	81.0	82.2	82.6	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0
GE 1200	30.9	81.1	83.3	85.0	85.3	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
GE 1000	30.9	82.0	84.3	86.4	87.1	87.1	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.8	87.8
GE 900	30.9	82.2	84.7	86.9	87.8	87.8	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.4	88.4
GE 800	30.9	82.7	85.7	88.0	88.9	89.0	89.2	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.8	89.8
GE 700	30.9	82.9	86.2	88.2	90.3	90.4	90.7	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.3	91.3
GE 600	31.0	83.1	86.4	89.4	90.8	90.9	91.1	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.9	91.9
GE 500	31.0	83.8	87.6	90.8	92.4	92.6	93.2	93.8	93.9	94.3	94.3	94.3	94.3	94.3	94.4	94.4
GE 400	31.0	84.1	87.9	91.1	93.1	93.3	94.4	95.1	95.3	95.8	95.8	95.8	95.8	95.8	95.9	95.9
GE 300	31.0	84.1	88.1	91.3	93.6	93.8	95.1	96.1	96.4	96.9	97.1	97.1	97.2	97.2	97.3	97.7
GE 200	31.0	84.1	88.1	91.3	93.6	93.8	95.1	96.1	96.9	97.4	97.9	97.9	98.2	98.2	98.3	98.7
GE 100	31.0	84.1	88.1	91.3	93.6	93.8	95.1	96.1	96.9	97.6	98.2	98.2	98.7	99.0	99.2	99.7
GE n	31.0	84.1	88.1	91.3	93.6	93.8	95.1	96.1	96.9	97.6	98.2	98.2	98.7	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.0	53.0	54.9	55.6	56.0	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6
GE 20000	24.0	56.6	58.4	59.2	59.7	59.7	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2
GE 18000	24.0	56.6	58.4	59.2	59.7	59.7	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2
GE 16000	24.0	56.6	58.4	59.2	59.7	59.7	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2
GE 14000	24.0	56.6	58.4	59.2	59.7	59.7	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2
GE 12000	24.0	57.4	59.3	60.1	60.6	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
GE 10000	24.1	59.4	61.3	62.2	62.7	62.7	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2
GE 9000	24.1	59.4	61.3	62.2	62.7	62.7	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2
GE 8000	24.4	60.6	62.4	63.4	63.9	63.9	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4
GE 7000	25.1	61.4	63.3	64.3	64.8	64.8	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
GE 6000	25.6	62.1	64.0	65.1	65.6	65.6	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
GE 5000	26.1	64.1	66.1	67.4	67.9	67.9	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4
GE 4500	26.3	65.0	67.0	68.3	68.8	68.8	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3
GE 4000	26.6	66.2	68.2	69.6	70.0	70.0	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6
GE 3500	27.0	67.3	69.3	70.7	71.1	71.1	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7
GE 3000	27.0	68.1	70.1	71.4	71.9	71.9	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
GE 2500	27.6	70.2	72.2	73.6	74.0	74.0	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8
GE 2000	27.8	71.7	73.8	75.1	75.6	75.6	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
GE 1800	27.8	72.6	74.7	76.0	76.4	76.4	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
GE 1500	28.6	74.6	76.6	78.2	78.8	78.8	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6
GE 1200	28.6	76.2	78.6	80.1	80.7	80.7	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
GE 1000	28.9	77.7	80.1	82.2	83.0	83.0	83.6	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
GE 900	29.1	78.9	81.6	83.7	84.6	84.6	85.1	85.1	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7
GE 800	29.1	80.0	83.6	86.0	86.9	86.9	87.6	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2
GE 700	29.1	80.6	84.1	86.7	87.6	87.6	88.3	88.3	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
GE 600	29.1	80.9	84.8	87.9	89.1	89.1	89.9	89.9	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8
GE 500	29.1	81.0	85.1	88.4	90.3	90.3	91.3	91.3	91.7	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3
GE 400	29.1	81.1	85.2	88.6	91.2	91.2	92.9	92.9	94.2	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3
GE 300	29.1	81.1	85.3	88.8	91.8	92.4	94.1	95.7	96.1	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.1	97.3
GE 200	29.1	81.2	85.6	89.0	92.0	92.7	94.4	96.1	97.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.4	98.5
GE 100	29.1	81.2	85.6	89.0	92.0	92.7	94.4	96.2	97.1	98.1	98.3	98.3	98.3	98.7	98.7	98.7	98.8	98.7
GE 0	29.1	81.2	85.6	89.0	92.0	92.7	94.4	96.2	97.1	98.1	98.4	98.4	98.9	98.9	98.9	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	20.4	45.6	47.1	48.7	50.0	50.0	50.3	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.7	51.1	
GE 20000	21.4	49.2	50.9	52.6	53.9	53.9	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.7	55.2	
GE 18000	21.4	49.2	50.9	52.6	53.9	53.9	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.7	55.2	
GE 16000	21.6	49.3	51.0	52.7	54.0	54.0	54.3	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.8	55.3	
GE 14000	21.6	49.6	51.2	52.9	54.2	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.8	54.8	55.0	55.6	
GE 12000	21.9	49.9	51.6	53.2	54.6	54.6	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.3	56.0	
GE 10000	22.4	51.4	53.3	55.0	56.4	56.4	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.2	57.9	
GE 9000	22.4	51.4	53.3	55.0	56.4	56.4	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.2	57.9	
GE 8000	23.4	54.4	56.3	58.0	59.6	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.3	61.0	
GE 7000	23.7	55.3	57.2	58.9	60.4	60.4	60.8	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.2	61.9	
GE 6000	24.0	55.8	57.7	59.3	61.0	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.8	62.4	
GE 5000	24.6	57.4	59.4	61.1	63.0	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.8	64.4	
GE 4000	24.6	58.0	60.0	61.7	63.6	63.6	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.3	65.0	
GE 4000	24.6	58.7	60.7	62.3	64.3	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	65.1	65.8	
GE 3000	24.9	59.4	61.6	63.2	65.2	65.2	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.8	66.0	66.7	
GE 3000	25.8	61.3	63.4	65.1	67.1	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.9	68.6	
GE 2500	25.1	63.6	65.7	67.3	69.3	69.3	69.4	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.2	70.9	
GE 2000	26.8	66.2	68.6	70.2	72.2	72.2	72.3	72.7	72.8	72.8	72.8	72.8	72.9	72.9	73.1	73.8	
GE 1800	26.9	67.1	69.6	71.4	73.4	73.4	73.6	73.9	74.0	74.0	74.0	74.0	74.1	74.1	74.3	75.0	
GE 1500	27.7	68.9	71.6	73.4	75.6	75.6	75.7	76.1	76.4	76.6	76.6	76.6	76.7	76.7	76.9	77.6	
GE 1200	27.8	71.0	73.9	76.3	78.6	78.6	78.7	79.3	79.7	79.8	79.8	79.8	79.9	79.9	80.1	80.8	
GE 1000	27.8	72.3	75.3	77.9	80.3	80.3	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.9	82.1	82.8	
GE 900	28.0	73.2	76.4	79.6	82.3	82.3	83.6	83.9	84.0	84.1	84.2	84.2	84.3	84.3	84.6	85.2	
GE 800	28.0	74.7	78.3	81.7	85.2	85.2	86.9	87.2	87.3	87.6	87.7	87.7	87.8	87.8	88.0	88.7	
GE 700	28.0	75.4	79.1	82.7	86.2	86.2	87.0	88.1	88.4	88.6	88.8	88.9	89.0	89.1	89.3	90.0	
GE 600	28.0	76.1	79.8	83.4	87.1	87.1	88.0	89.3	89.8	90.0	90.2	90.3	90.4	90.6	90.8	91.4	
GE 500	28.0	76.3	80.1	83.8	87.8	87.8	88.8	90.3	91.2	91.4	91.7	91.9	92.0	92.1	92.3	93.0	
GE 400	28.0	76.6	80.4	84.2	88.3	88.3	89.6	91.3	92.9	93.3	93.7	93.9	94.0	94.1	94.4	95.1	
GE 300	28.0	76.7	80.6	84.8	88.9	88.9	90.3	92.2	94.1	94.7	95.3	95.6	95.7	95.9	96.2	97.0	
GE 200	28.0	76.7	80.6	84.8	88.9	88.9	90.3	92.2	94.3	95.2	96.2	96.7	96.8	97.2	97.6	98.4	
GE 100	28.0	76.7	80.6	84.8	88.9	88.9	90.3	92.2	94.3	95.3	96.3	96.9	97.0	97.6	98.0	98.9	
GE 01	28.0	76.7	80.6	84.8	88.9	88.9	90.3	92.2	94.3	95.3	96.3	96.9	97.0	97.6	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.2	47.2	48.6	49.1	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9
GE 20000	23.3	53.4	54.8	55.7	56.1	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7
GE 18000	23.4	53.8	55.1	56.0	56.4	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
GE 16000	23.4	53.8	55.1	56.0	56.4	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
GE 14000	23.4	54.4	56.0	56.9	57.3	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9
GE 12000	23.6	55.0	56.6	57.4	57.9	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
GE 10000	24.3	56.9	58.6	59.4	59.9	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
GE 9000	24.4	57.4	59.1	60.0	60.4	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0
GE 8000	25.0	59.7	61.3	62.2	62.9	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4
GE 7000	25.8	60.8	62.4	63.3	64.0	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6
GE 6000	25.9	60.9	62.7	63.7	64.3	64.4	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0
GE 5000	26.1	62.0	63.8	64.8	65.6	65.7	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
GE 4500	26.1	62.2	64.2	65.2	66.0	66.1	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9
GE 4000	26.6	63.8	65.9	66.9	67.7	67.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6
GE 3500	26.8	64.2	66.3	67.3	68.1	68.2	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0
GE 3000	26.9	64.9	67.0	68.0	68.8	68.9	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7
GE 2500	27.3	65.8	67.9	69.0	69.8	69.9	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
GE 2000	27.9	68.0	70.3	71.7	72.4	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3
GE 1800	28.0	69.4	71.8	73.1	73.9	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8
GE 1500	28.3	71.7	74.3	75.7	76.4	76.6	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4
GE 1200	28.4	72.8	75.6	77.0	77.9	78.0	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9
GE 1000	28.7	74.3	77.3	79.0	80.7	80.8	81.2	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2
GE 900	28.7	75.8	79.2	81.1	83.0	83.2	83.7	84.1	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9
GE 800	28.7	76.2	79.8	81.9	84.2	84.4	85.1	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4
GE 700	28.7	76.8	80.9	83.2	85.7	86.1	86.9	87.4	88.2	88.2	88.2	88.2	88.2	88.3	88.4	88.4
GE 600	28.7	77.4	81.6	84.3	87.1	87.7	88.7	89.3	90.3	90.4	90.4	90.4	90.4	90.6	90.7	90.7
GE 500	28.7	77.8	82.4	85.4	88.3	88.9	90.2	91.7	93.0	93.2	93.2	93.2	93.2	93.3	93.4	93.4
GE 400	28.7	77.9	82.7	85.9	89.0	89.6	91.2	93.1	95.3	95.8	95.9	96.0	96.1	96.1	96.2	96.2
GE 300	28.7	78.0	82.9	86.1	89.3	89.9	91.7	94.0	96.7	97.4	97.9	98.1	98.2	98.2	98.4	98.4
GE 200	28.7	78.0	82.9	86.1	89.3	89.9	91.8	94.4	97.3	98.2	98.8	99.0	99.2	99.2	99.4	99.4
GE 100	28.7	78.0	82.9	86.1	89.3	89.9	91.8	94.4	97.4	98.3	98.9	99.1	99.4	99.6	99.9	100.0
GE 0	28.7	78.0	82.9	86.1	89.3	89.9	91.8	94.4	97.4	98.3	98.9	99.1	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.4	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000	26.7	60.0	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 18000	27.3	61.1	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 16000	27.3	61.4	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	27.3	61.7	62.3	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
GE 12000	27.6	62.6	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 10000	28.1	63.9	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 9000	28.3	64.2	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 8000	28.4	65.7	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 7000	29.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 6000	29.2	67.9	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 5000	29.9	70.0	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 4500	29.9	70.0	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	30.4	71.6	72.3	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
GE 3500	30.4	71.8	72.6	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3000	30.7	72.4	73.2	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 2500	31.0	73.7	74.4	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 2000	31.3	76.3	77.2	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1800	31.8	77.2	78.1	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
GE 1500	31.8	80.0	81.0	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1200	32.1	82.0	83.3	84.1	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1000	32.3	83.4	84.9	85.7	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 900	32.3	84.4	86.2	87.0	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 800	32.4	85.2	87.0	88.3	89.8	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	32.4	85.4	87.6	89.4	91.1	91.6	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 600	32.4	85.6	87.9	89.9	91.7	92.2	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 500	32.4	85.7	88.0	90.0	92.2	92.8	93.7	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 400	32.4	85.7	88.0	90.0	92.6	93.1	94.3	96.0	97.1	97.3	97.4	97.4	97.4	97.6	97.8	97.8
GE 300	32.4	85.7	88.0	90.0	92.9	93.4	94.8	96.6	97.7	98.3	98.6	98.6	98.6	98.7	98.9	98.9
GE 200	32.4	85.7	88.0	90.0	92.9	93.4	94.8	96.9	98.1	99.0	99.3	99.3	99.3	99.4	99.7	99.7
GE 100	32.4	85.7	88.0	90.0	92.9	93.4	94.8	96.9	98.1	99.0	99.3	99.3	99.3	99.4	99.8	99.8
GE 0	32.4	85.7	88.0	90.0	92.9	93.4	94.8	96.9	98.1	99.0	99.3	99.3	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.4	53.8	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 20000	28.1	62.2	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 18000	28.3	63.1	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 16000	28.3	63.3	64.2	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
GE 14000	28.3	63.4	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 12000	28.9	65.1	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 10000	29.8	66.6	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 9000	30.0	66.8	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
GE 8000	30.4	68.0	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 7000	30.6	68.9	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	69.9
GE 6000	30.6	69.1	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	70.1
GE 5000	31.0	70.3	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4500	31.2	70.9	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4000	31.4	72.7	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 3500	32.0	73.7	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	74.7
GE 3000	32.3	75.6	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 2500	32.8	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 2000	32.8	79.2	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1800	33.1	80.1	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1500	33.3	81.9	83.6	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1200	33.3	83.0	84.9	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1000	33.3	83.8	86.1	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 900	33.3	84.3	87.1	88.1	88.7	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 800	33.3	84.6	87.6	89.0	89.7	90.0	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 700	33.3	85.0	88.2	89.9	90.8	91.1	91.4	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 600	33.3	85.1	88.7	90.4	91.7	92.0	92.3	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 500	33.3	85.3	89.3	91.2	92.7	93.1	94.0	96.1	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 400	33.3	85.3	89.3	91.2	92.7	93.1	94.1	96.7	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	33.3	85.3	89.3	91.2	92.8	93.2	94.2	96.8	97.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	33.3	85.3	89.3	91.2	92.8	93.2	94.2	96.8	97.7	98.7	99.3	99.3	99.4	99.4	99.4	99.4
GE 100	33.3	85.3	89.3	91.2	92.8	93.2	94.2	96.8	97.7	98.7	99.3	99.3	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.1	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	30.4	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 18000	30.6	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 16000	30.6	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 14000	30.6	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 12000	31.0	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 10000	31.2	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 9000	31.2	69.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 8000	31.3	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 7000	31.3	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 6000	31.4	71.8	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 5000	31.8	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4500	32.1	73.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4000	32.1	75.1	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3500	32.4	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3000	32.6	78.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2500	32.9	80.4	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2000	33.2	82.4	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1800	33.6	82.9	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1500	33.7	83.6	84.9	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1200	33.7	84.3	85.8	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1000	33.7	85.1	86.9	87.6	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 900	33.7	85.6	87.9	88.6	89.6	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 800	33.7	86.1	88.7	89.4	91.6	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 700	33.7	86.6	89.1	90.0	92.9	93.1	93.1	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 600	33.7	86.9	89.7	90.7	93.8	94.1	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 500	33.7	86.9	89.7	90.7	94.1	94.4	95.3	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 400	33.7	86.9	90.0	91.0	94.7	95.1	96.4	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 300	33.7	86.9	90.0	91.0	94.8	95.2	96.6	97.1	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 200	33.7	86.9	90.0	91.0	94.9	95.4	96.9	97.4	98.2	98.8	98.9	98.9	99.1	99.1	99.1	99.1
GE 100	33.7	86.9	90.0	91.0	94.9	95.4	96.9	97.4	98.2	98.9	99.0	99.0	99.2	99.2	99.4	100.0
GE 0	33.7	86.9	90.0	91.0	94.9	95.4	96.9	97.4	98.2	98.9	99.0	99.0	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.4	59.4	59.9	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
GE 20000	28.9	64.9	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	28.9	64.9	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 16000	28.9	64.9	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	28.9	65.0	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 12000	29.0	66.0	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 10000	29.2	67.6	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 9000	29.2	67.6	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 8000	29.7	68.8	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 7000	30.3	70.0	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 6000	30.9	70.7	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 5000	31.2	72.1	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4500	31.6	72.4	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4000	31.6	74.0	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3500	31.9	75.0	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3000	32.3	77.3	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 2500	32.6	78.4	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	32.8	80.6	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1800	33.0	81.0	82.4	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1500	33.0	81.7	83.6	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1200	33.1	82.7	84.8	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1000	33.2	83.9	86.1	86.9	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
GE 900	33.2	84.6	86.9	87.7	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1
GE 800	33.2	85.2	88.2	89.0	90.1	90.3	90.3	90.3	90.3	90.3	90.4	90.6	90.6	90.6	90.6	90.6
GE 700	33.2	85.9	88.9	90.0	91.3	91.9	91.9	91.9	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1
GE 600	33.3	86.1	89.4	90.7	92.0	92.7	92.9	93.0	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2
GE 500	33.3	86.3	89.8	91.3	93.4	94.3	95.0	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3
GE 400	33.3	86.4	90.1	91.7	94.1	95.1	96.3	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9
GE 300	33.3	86.4	90.3	91.9	94.4	95.4	96.8	97.2	97.2	97.2	97.4	97.7	97.7	97.7	97.7	97.7
GE 200	33.3	86.4	90.3	91.9	94.4	95.4	96.8	97.3	97.6	97.6	98.0	98.3	98.6	98.6	98.6	98.6
GE 100	33.3	86.4	90.3	91.9	94.4	95.4	96.8	97.4	97.7	97.7	98.1	98.8	99.0	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.2	53.6	54.4	54.9	55.2	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5
GE 20000	26.1	59.1	60.1	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.3
GE 18000	26.2	59.4	60.4	61.0	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6
GE 16000	26.2	59.5	60.5	61.1	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7
GE 14000	26.3	59.8	60.8	61.4	61.7	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0
GE 12000	26.5	60.8	61.8	62.4	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.1
GE 10000	27.0	62.4	63.5	64.1	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.8
GE 9000	27.1	62.6	63.7	64.3	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	65.0
GE 8000	27.5	64.2	65.3	65.9	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.7
GE 7000	28.0	65.3	66.4	67.0	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.8
GE 6000	28.2	65.7	66.9	67.5	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.3
GE 5000	28.6	67.2	68.3	69.0	69.4	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8
GE 4500	28.8	67.7	68.9	69.6	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.4	70.4
GE 4000	29.0	69.1	70.3	71.0	71.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8
GE 3500	29.4	70.0	71.3	72.0	72.4	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.9
GE 3000	29.7	71.6	73.0	73.7	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.6
GE 2500	30.1	73.2	74.6	75.4	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.4
GE 2000	30.4	75.3	76.9	77.8	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.7
GE 1800	30.6	76.1	77.8	78.7	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.6
GE 1500	30.9	77.7	79.6	80.6	81.2	81.2	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7
GE 1200	31.0	79.1	81.3	82.5	83.2	83.3	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.8
GE 1000	31.1	80.3	82.6	84.1	85.1	85.2	85.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	86.0
GE 900	31.2	81.1	83.8	85.3	86.6	86.8	87.1	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.6	87.7
GE 800	31.2	81.8	84.8	86.7	88.3	88.6	88.9	89.2	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.6
GE 700	31.2	82.3	85.5	87.6	89.5	89.9	90.3	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.1	91.2
GE 600	31.2	82.7	86.0	88.3	90.4	90.8	91.4	91.9	92.1	92.3	92.3	92.4	92.4	92.4	92.5	92.5
GE 500	31.2	82.9	86.5	89.0	91.4	91.9	92.9	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.6	94.6
GE 400	31.2	83.0	86.7	89.2	92.0	92.6	93.9	95.2	95.9	96.3	96.4	96.4	96.4	96.4	96.6	96.6
GE 300	31.2	83.0	86.8	89.4	92.3	93.0	94.4	95.9	96.8	97.4	97.6	97.7	97.8	97.8	97.9	98.1
GE 200	31.2	83.0	86.8	89.4	92.3	93.0	94.5	96.2	97.3	98.0	98.4	98.5	98.7	98.7	98.8	99.0
GE 100	31.2	83.0	86.8	89.4	92.3	93.0	94.5	96.2	97.3	98.1	98.6	98.7	98.9	99.0	99.3	99.8
GE	31.2	83.0	86.8	89.4	92.3	93.0	94.5	96.2	97.3	98.1	98.6	98.7	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.5	57.3	58.4	58.6	59.0	59.0	59.2	59.4	59.4	59.5	59.5	59.5	59.5	59.6	59.6	60.0
GE 20000	26.7	60.2	61.5	61.8	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.8	62.8	63.2
GE 18000	26.7	60.3	61.6	61.9	62.4	62.4	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	63.3
GE 16000	26.7	60.3	61.6	61.9	62.4	62.4	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	63.3
GE 14000	26.7	60.5	61.8	62.2	62.6	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.5
GE 12000	27.1	61.5	62.8	63.1	63.5	63.5	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.1	64.1	64.5
GE 10000	27.7	62.6	63.9	64.2	64.6	64.6	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.2	65.2	65.6
GE 9000	27.7	62.6	63.9	64.2	64.6	64.6	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.2	65.2	65.6
GE 8000	28.4	63.7	64.9	65.3	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.7
GE 7000	28.6	64.5	65.8	66.1	66.6	66.6	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.5
GE 6000	28.6	65.1	66.3	66.7	67.1	67.1	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.6	68.1
GE 5000	28.8	66.3	67.6	68.0	68.4	68.4	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.9	68.9	69.4
GE 4500	28.9	67.2	68.5	68.8	69.2	69.2	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8	70.2
GE 4000	28.9	68.4	69.7	70.0	70.4	70.4	70.6	70.8	70.8	70.9	70.9	70.9	70.9	71.0	71.0	71.4
GE 3500	29.2	69.6	70.9	71.2	71.6	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.2	72.2	72.6
GE 3000	29.2	71.0	72.3	72.6	73.0	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.5	74.0
GE 2500	29.6	72.0	73.3	73.7	74.1	74.1	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.6	74.6	75.1
GE 2000	30.2	73.4	74.7	75.3	76.0	76.0	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.6	76.6	77.0
GE 1800	30.3	73.8	75.1	75.6	76.5	76.5	76.7	76.8	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.4
GE 1500	31.1	76.3	77.7	78.3	79.1	79.1	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	80.3
GE 1200	31.6	78.7	80.1	81.1	82.2	82.2	82.8	83.1	83.1	83.3	83.3	83.3	83.3	83.4	83.4	83.9
GE 1000	31.7	79.6	81.1	82.0	83.2	83.2	83.9	84.2	84.2	84.6	84.6	84.6	84.6	84.7	84.7	85.2
GE 900	31.7	79.8	81.8	83.0	84.3	84.3	85.1	85.4	85.4	85.8	85.8	85.9	85.9	86.0	86.0	86.5
GE 800	31.8	80.2	82.4	83.5	85.4	85.4	86.1	86.5	86.5	86.9	86.9	87.0	87.0	87.1	87.1	87.5
GE 700	31.8	80.5	83.0	84.5	86.8	86.8	87.6	88.0	88.0	88.4	88.4	88.5	88.5	88.6	88.6	89.0
GE 600	31.9	81.7	84.3	86.0	88.8	88.8	89.7	90.0	90.0	90.5	91.0	91.0	91.0	91.1	91.1	91.5
GE 500	31.9	81.9	84.9	86.7	89.6	89.6	90.5	90.9	90.9	91.6	92.0	92.0	92.0	92.2	92.2	92.6
GE 400	31.9	82.2	85.3	87.1	90.4	90.4	91.7	92.5	92.5	93.4	94.0	94.0	94.0	94.1	94.1	94.5
GE 300	31.9	82.2	85.3	87.4	91.5	91.5	92.2	93.0	94.1	94.2	95.6	96.1	96.1	96.2	96.3	96.8
GE 200	31.9	82.2	85.3	87.4	91.5	91.5	92.2	93.0	94.2	94.6	96.1	96.9	96.9	97.0	97.2	97.3
GE 100	31.9	82.2	85.3	87.4	91.5	91.5	92.2	93.0	94.2	94.6	96.3	97.1	97.1	97.4	97.6	98.1
GE 0	31.9	82.2	85.3	87.4	91.5	91.5	92.2	93.0	94.2	94.6	96.3	97.1	97.1	97.4	97.6	98.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	25.7	56.6	57.2	57.8	58.2	58.2	58.3	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.6	58.8	
GE 20000	26.2	58.9	59.6	60.5	61.1	61.1	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8	
GE 18000	26.2	58.9	59.6	60.5	61.1	61.1	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8	
GE 16000	26.2	58.9	59.6	60.5	61.1	61.1	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8	
GE 14000	26.2	59.2	59.9	60.9	61.5	61.5	61.6	61.7	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.3	
GE 12000	26.5	59.9	60.6	61.6	62.3	62.3	62.4	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.8	63.0	
GE 10000	27.3	61.5	62.3	63.2	63.9	63.9	64.0	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.6	
GE 9000	27.4	61.6	62.4	63.3	64.0	64.0	64.1	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.5	64.7	
GE 8000	27.7	62.4	63.1	64.1	64.7	64.7	64.8	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.3	65.5	
GE 7000	28.0	63.1	63.9	64.8	65.5	65.5	65.6	65.7	65.7	65.8	65.9	65.9	65.9	65.9	66.0	66.2	
GE 6000	28.2	64.2	64.9	65.9	66.6	66.6	66.7	66.8	66.8	66.9	67.0	67.0	67.0	67.0	67.1	67.3	
GE 5000	28.3	65.3	66.0	67.0	67.7	67.7	67.8	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.3	68.5	
GE 4500	28.3	66.1	66.9	67.8	68.6	68.6	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.1	69.4	
GE 4000	28.3	67.0	67.7	68.7	69.5	69.5	69.6	69.7	69.7	69.8	69.9	69.9	69.9	69.9	70.0	70.2	
GE 3500	28.6	68.0	68.8	69.8	70.5	70.5	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.3	
GE 3000	28.7	69.7	70.5	71.5	72.4	72.4	72.5	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.9	73.1	
GE 2500	28.8	70.8	71.8	72.9	74.0	74.0	74.1	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.5	74.7	
GE 2000	29.4	72.4	73.8	74.8	76.1	76.1	76.2	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.7	76.9	
GE 1800	29.5	72.9	74.3	75.4	76.8	76.8	76.9	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.3	77.5	
GE 1500	30.1	74.7	76.6	78.0	79.5	79.5	79.6	79.7	79.7	79.8	79.9	79.9	79.9	79.9	80.0	80.2	
GE 1200	30.2	76.1	78.2	79.6	81.3	81.5	81.7	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.3	82.5	
GE 1000	30.5	77.6	79.7	81.2	82.9	83.1	83.3	83.5	83.5	83.7	83.8	83.8	83.8	83.8	83.9	84.1	
GE 900	30.5	77.7	80.3	81.9	83.7	83.9	84.1	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.6	84.8	
GE 800	30.5	78.3	81.0	83.2	85.3	85.5	85.9	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.5	86.7	
GE 700	30.5	79.5	82.2	84.5	86.8	87.0	87.4	87.6	87.6	87.7	87.8	87.8	87.8	87.8	88.0	88.2	
GE 600	30.5	80.0	82.9	85.5	88.0	88.3	88.8	89.0	89.1	89.5	89.6	89.6	89.6	89.6	89.7	89.9	
GE 500	30.5	80.4	83.7	86.8	89.4	89.9	90.5	90.8	90.9	91.2	91.3	91.3	91.4	91.4	91.5	91.8	
GE 400	30.5	80.4	83.8	87.2	90.4	91.1	92.0	92.7	93.3	93.7	93.8	93.8	93.9	93.9	94.0	94.3	
GE 300	30.5	80.4	83.8	87.3	91.1	91.7	92.9	93.9	94.7	95.3	95.5	95.5	95.6	95.6	95.7	96.0	
GE 200	30.5	80.4	83.8	87.3	91.1	91.7	93.1	94.2	95.1	95.6	96.1	96.2	96.3	96.3	96.7	97.2	
GE 100	30.5	80.4	83.8	87.3	91.1	91.7	93.1	94.2	95.1	95.6	96.1	96.2	96.3	96.6	97.6	99.9	
GE 0	30.5	80.4	83.8	87.3	91.1	91.7	93.1	94.2	95.1	95.6	96.1	96.2	96.3	96.6	97.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	24.3	52.6	53.4	53.9	54.2	54.3	54.5	54.8	54.8	54.8	55.1	55.1	55.2	55.2	55.3	55.5	
GE 20000	25.5	56.5	57.4	58.0	58.3	58.4	58.7	59.0	59.0	59.1	59.4	59.4	59.5	59.5	59.6	59.8	
GE 18000	25.6	56.6	57.5	58.1	58.4	58.5	58.8	59.1	59.1	59.2	59.5	59.5	59.6	59.6	59.7	59.9	
GE 16000	25.6	56.6	57.5	58.1	58.4	58.5	58.8	59.1	59.1	59.2	59.5	59.5	59.6	59.6	59.7	59.9	
GE 14000	25.6	56.6	57.7	58.3	58.6	58.7	59.0	59.4	59.4	59.5	59.7	59.7	59.8	59.8	59.9	60.1	
GE 12000	25.7	57.5	58.5	59.0	59.4	59.5	59.8	60.1	60.1	60.2	60.4	60.4	60.5	60.5	60.6	60.9	
GE 10000	26.2	59.0	60.1	60.6	61.2	61.3	61.7	62.0	62.0	62.3	62.5	62.5	62.6	62.6	62.7	62.9	
GE 9000	26.3	59.1	60.2	60.8	61.3	61.4	61.8	62.2	62.2	62.4	62.6	62.6	62.7	62.7	62.8	63.0	
GE 8000	26.7	60.0	61.1	61.8	62.4	62.5	62.9	63.2	63.2	63.4	63.7	63.7	63.8	63.8	63.9	64.1	
GE 7000	26.7	60.5	61.6	62.4	62.9	63.0	63.4	63.8	63.8	64.0	64.2	64.2	64.3	64.3	64.4	64.6	
GE 6000	26.8	61.6	62.7	63.4	64.1	64.2	64.6	64.9	64.9	65.2	65.4	65.4	65.5	65.5	65.6	65.8	
GE 5000	27.0	62.8	63.9	64.6	65.3	65.4	65.8	66.1	66.1	66.3	66.6	66.6	66.7	66.7	66.8	67.0	
GE 4500	27.0	63.1	64.2	64.9	65.6	65.7	66.1	66.5	66.5	66.7	66.9	66.9	67.0	67.0	67.1	67.3	
GE 4000	27.5	65.1	66.2	67.0	67.6	67.7	68.2	68.5	68.5	68.7	68.9	68.9	69.0	69.0	69.1	69.4	
GE 3500	27.8	66.2	67.5	68.3	68.9	69.0	69.5	69.8	69.8	70.0	70.2	70.2	70.3	70.3	70.4	70.6	
GE 3000	28.1	67.4	68.7	69.6	70.2	70.3	70.8	71.1	71.1	71.3	71.5	71.5	71.6	71.6	71.7	71.9	
GE 2500	28.3	68.6	70.1	71.0	71.6	71.7	72.3	72.6	72.6	72.8	73.0	73.0	73.1	73.1	73.2	73.4	
GE 2000	28.9	70.6	72.3	73.4	74.2	74.3	74.8	75.2	75.2	75.4	75.6	75.6	75.7	75.7	75.8	76.0	
GE 1800	29.1	70.9	72.5	73.7	74.4	74.5	75.1	75.4	75.4	75.6	75.8	75.8	75.9	75.9	76.0	76.2	
GE 1500	29.4	71.7	73.3	74.6	75.6	75.7	76.2	76.6	76.6	76.8	77.0	77.0	77.1	77.1	77.2	77.4	
GE 1200	29.5	73.5	75.3	76.8	77.7	77.8	78.4	78.7	78.7	78.9	79.1	79.1	79.2	79.2	79.4	79.6	
GE 1000	29.7	75.1	76.8	78.4	79.4	79.5	80.1	80.5	80.6	80.9	81.1	81.1	81.2	81.2	81.3	81.5	
GE 900	29.7	76.3	78.1	80.1	81.1	81.2	81.8	82.3	82.4	82.6	82.9	82.9	83.0	83.0	83.1	83.3	
GE 800	29.7	77.4	79.8	81.7	82.8	83.0	83.7	84.1	84.2	84.5	84.8	84.8	84.9	84.9	85.1	85.3	
GE 700	29.7	78.2	80.6	82.9	84.4	84.6	85.3	85.7	85.8	86.2	86.6	86.6	86.7	86.8	86.9	87.1	
GE 600	29.7	78.4	81.0	83.8	85.9	86.2	86.9	87.4	87.5	88.1	88.4	88.4	88.5	88.6	88.7	88.9	
GE 500	29.7	78.6	81.6	84.5	87.3	87.6	89.0	89.7	90.0	90.6	91.1	91.1	91.4	91.5	91.6	91.8	
GE 400	29.7	78.6	81.8	84.8	88.0	88.3	89.9	90.9	91.5	92.3	92.9	92.9	93.2	93.3	93.4	93.7	
GE 300	29.7	78.7	81.9	85.2	88.4	88.8	90.4	91.8	92.6	93.9	94.5	94.5	94.8	94.9	95.2	95.5	
GE 200	29.7	78.7	81.9	85.2	88.4	88.8	90.5	91.9	92.9	94.4	95.2	95.2	95.6	95.8	96.3	96.8	
GE 100	29.7	78.7	81.9	85.2	88.4	88.8	90.5	91.9	92.9	94.4	95.2	95.2	95.8	96.1	97.2	99.9	
GE 0	29.7	78.7	81.9	85.2	88.4	88.8	90.5	91.9	92.9	94.4	95.2	95.2	95.8	96.1	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB MS

PERIOD OF RECORD: 77-86  
MTH: DEC HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.9	49.9	50.3	50.5	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.2	51.5
GE 20000	27.1	56.8	57.3	57.5	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.4	58.7
GE 18000	27.3	57.0	57.5	57.7	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.7	59.0
GE 16000	27.3	57.0	57.5	57.7	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.7	59.0
GE 14000	27.3	57.2	57.7	58.0	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.9	59.2
GE 12000	27.6	58.5	59.0	59.2	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.2	60.5
GE 10000	28.1	60.8	61.3	61.5	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.6	63.0
GE 9000	28.3	61.4	61.9	62.2	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.2	63.7
GE 8000	29.0	63.7	64.2	64.4	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.7	66.1
GE 7000	29.2	64.4	64.9	65.2	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.5	66.9
GE 6000	29.6	65.2	65.7	65.9	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.2	67.6
GE 5000	30.0	66.5	67.0	67.2	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.8	69.2
GE 4500	30.0	67.0	67.5	67.7	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.4	69.8
GE 4000	30.3	68.4	68.9	69.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.8	71.2
GE 3500	30.4	68.5	69.0	69.4	70.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	71.1	71.5
GE 3000	30.4	68.9	69.5	69.9	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.6	72.0
GE 2500	30.8	69.9	70.8	71.3	72.3	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.9	73.1	73.5
GE 2000	31.0	71.0	71.8	72.6	73.5	73.8	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.4	74.6	75.1
GE 1800	31.2	71.3	72.2	72.9	73.9	74.1	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.7	74.9	75.4
GE 1500	31.9	73.4	74.5	75.6	76.8	77.0	77.2	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.8	78.3
GE 1200	32.2	75.3	76.8	78.1	79.5	79.7	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.5	81.0
GE 1000	32.3	76.0	77.8	79.1	80.5	80.8	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.7	82.2
GE 900	32.3	76.9	78.8	80.5	82.3	82.5	82.7	83.0	83.0	83.1	83.1	83.1	83.1	83.2	83.4	83.9
GE 800	32.3	77.7	79.9	82.4	84.1	84.3	84.5	84.8	84.8	85.1	85.1	85.1	85.1	85.2	85.4	85.8
GE 700	32.3	78.5	81.2	83.9	86.0	86.3	86.7	87.2	87.2	87.6	87.8	87.8	87.8	88.0	88.2	88.7
GE 600	32.3	78.5	81.5	84.2	86.7	87.1	87.6	88.4	88.6	89.1	89.5	89.5	89.5	89.6	89.8	90.3
GE 500	32.3	78.7	81.7	84.5	87.3	87.8	88.5	89.5	90.1	90.6	91.0	91.1	91.3	91.4	91.7	92.3
GE 400	32.3	78.7	81.8	84.6	87.6	88.3	89.0	90.3	91.3	91.9	92.3	92.4	92.6	92.7	93.0	93.5
GE 300	32.3	78.7	81.8	84.6	87.7	88.6	89.4	90.9	91.8	94.0	94.5	94.6	94.8	94.9	95.4	96.0
GE 200	32.3	78.7	81.8	84.6	87.7	88.6	89.5	91.0	92.2	94.6	95.5	95.6	96.1	96.3	96.9	97.5
GE 100	32.3	78.7	81.8	84.6	87.7	88.6	89.5	91.0	92.2	94.6	95.5	95.6	96.3	96.8	98.2	99.9
GE 0	32.3	78.7	81.8	84.6	87.7	88.6	89.5	91.0	92.2	94.6	95.5	95.6	96.3	96.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEILING	24.2	51.6	52.0	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 20000	27.2	59.5	59.9	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	27.5	59.8	60.4	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	27.5	59.8	60.4	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	27.7	60.2	60.9	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 12000	28.2	61.0	61.6	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	28.8	64.1	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 9000	28.8	64.3	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 8000	29.1	66.8	67.6	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	29.6	67.5	68.4	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	29.7	67.8	68.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 5000	30.0	68.8	69.7	70.0	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4500	30.0	68.9	69.8	70.1	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4000	30.3	69.6	70.4	70.8	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 3500	30.8	70.4	71.3	71.8	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3000	30.9	71.8	72.7	73.2	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 2500	31.1	72.7	73.8	74.5	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 2000	31.9	75.7	77.2	78.2	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 1800	31.9	76.0	77.5	78.5	79.4	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1500	32.5	77.3	79.2	80.2	81.1	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 1200	32.7	78.5	80.8	81.7	83.1	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1000	32.7	79.4	81.6	82.6	84.8	85.1	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 900	32.7	80.3	82.9	84.1	86.3	86.6	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 800	32.7	81.3	84.2	85.4	87.7	88.0	88.8	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 700	32.7	81.6	84.6	86.1	88.5	88.8	89.7	90.8	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1
GE 600	32.7	81.8	84.9	86.9	89.6	89.9	91.0	92.0	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5
GE 500	32.7	81.9	85.2	87.1	90.1	90.5	91.7	93.0	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8
GE 400	32.7	81.9	85.3	87.3	90.6	91.2	92.5	94.2	94.3	94.9	95.4	95.4	95.5	95.5	95.5	95.5
GE 300	32.7	81.9	85.3	87.3	90.8	91.3	92.6	95.1	95.2	96.2	97.0	97.3	97.5	97.5	97.6	97.6
GE 200	32.7	81.9	85.3	87.3	90.8	91.4	92.7	95.3	95.4	96.6	98.1	98.4	99.0	99.2	99.5	99.5
GE 100	32.7	81.9	85.3	87.3	90.8	91.4	92.7	95.3	95.4	96.6	98.2	98.5	99.2	99.6	100.0	100.0
GE 0	32.7	81.9	85.3	87.3	90.8	91.4	92.7	95.3	95.4	96.6	98.2	98.5	99.2	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	26.8	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	
GE 20000	28.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	
GE 18000	28.8	63.2	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 16000	28.8	63.2	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 14000	29.1	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	
GE 12000	30.8	65.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 10000	31.2	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
GE 9000	31.2	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	
GE 8000	31.3	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
GE 7000	31.3	71.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 6000	31.3	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	
GE 5000	32.0	73.4	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	
GE 4500	32.0	73.4	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	
GE 4000	32.4	74.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 3500	32.5	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	
GE 3000	32.5	77.3	78.3	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	
GE 2500	32.9	78.3	79.2	79.2	79.4	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
GE 2000	33.4	80.9	82.0	82.0	82.2	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
GE 1800	33.7	81.5	82.8	82.8	82.9	83.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	
GE 1500	33.8	82.6	84.2	84.2	84.7	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	
GE 1200	33.8	84.2	86.1	86.2	86.9	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	
GE 1000	33.8	85.1	87.0	87.7	88.7	89.1	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
GE 900	33.8	86.2	88.5	89.2	90.4	90.9	91.7	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	
GE 800	33.8	86.6	89.0	89.9	91.6	92.2	93.0	93.2	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	
GE 700	33.8	87.0	89.5	90.4	92.2	92.8	93.7	94.0	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	
GE 600	33.8	87.1	89.8	91.0	92.9	93.5	94.7	95.4	95.5	96.1	96.2	96.2	96.3	96.3	96.3	96.3	
GE 500	33.8	87.1	89.8	91.1	93.0	93.7	95.5	96.2	96.5	97.1	97.2	97.2	97.3	97.3	97.3	97.3	
GE 400	33.8	87.2	89.9	91.2	93.4	94.1	96.3	97.3	97.7	98.5	98.6	98.6	98.7	98.7	98.7	98.7	
GE 300	33.8	87.2	89.9	91.2	93.4	94.1	96.3	97.4	98.2	99.0	99.2	99.2	99.4	99.4	99.4	99.4	
GE 200	33.8	87.2	89.9	91.2	93.4	94.1	96.3	97.6	98.5	99.4	99.7	99.7	99.9	99.9	99.9	99.9	
GE 100	33.8	87.2	89.9	91.2	93.4	94.1	96.3	97.6	98.5	99.4	99.7	99.7	99.9	99.9	100.0	100.0	
GE 0	33.8	87.2	89.9	91.2	93.4	94.1	96.3	97.6	98.5	99.4	99.7	99.7	99.9	99.9	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.4	60.1	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 20000	30.0	65.7	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 18000	30.0	65.7	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	30.0	65.7	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 14000	30.3	66.8	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	31.3	68.7	69.1	69.1	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 10000	32.1	71.8	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 9000	32.1	71.8	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 8000	32.1	73.7	74.1	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 7000	32.1	74.5	75.0	75.0	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 6000	32.1	75.2	75.6	75.6	75.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 5000	32.1	75.6	76.5	76.5	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	32.1	76.5	77.3	77.3	77.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 4000	32.1	77.1	78.0	78.0	78.2	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	32.3	78.3	79.2	79.2	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3000	32.6	79.8	80.7	80.7	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	32.7	80.6	81.4	81.4	81.7	81.7	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 2000	33.2	82.1	83.2	83.2	83.4	83.5	83.9	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1800	33.2	82.3	83.4	83.4	83.6	83.7	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 1600	33.2	83.1	84.4	84.7	85.4	85.5	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1400	33.2	84.4	85.7	86.1	86.8	86.9	87.6	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1200	33.2	85.4	86.8	87.7	88.9	89.1	89.8	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1000	33.2	86.1	87.6	88.6	89.8	90.0	90.6	90.8	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 900	33.2	86.4	88.0	89.4	90.9	91.2	91.9	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 800	33.2	86.6	88.5	90.0	91.5	91.7	92.4	92.7	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 700	33.2	86.9	89.2	90.8	92.3	92.8	93.6	93.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 600	33.2	87.5	89.8	91.9	93.7	94.2	95.3	95.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 500	33.2	88.0	90.6	92.8	94.6	95.0	96.2	96.4	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	33.2	88.0	90.6	92.9	94.7	95.1	96.3	96.8	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	33.2	88.0	90.6	92.9	94.7	95.1	96.3	96.8	97.7	98.7	98.8	99.1	99.1	99.1	99.2	99.2
GE 200	33.2	88.0	90.6	92.9	94.7	95.1	96.3	96.8	97.7	98.8	98.9	99.4	99.4	99.4	99.5	99.5
GE 0	33.2	88.0	90.6	92.9	94.7	95.1	96.3	96.8	97.7	98.8	98.9	99.4	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.9	60.4	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 20000	29.1	64.9	65.7	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 18000	29.1	65.2	65.9	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 16000	29.1	65.2	65.9	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 14000	29.4	65.7	66.5	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 12000	30.0	67.0	67.7	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 10000	31.1	69.4	70.1	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 9000	31.1	69.4	70.1	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 8000	31.2	70.3	71.1	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 7000	31.2	71.6	72.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 6000	31.2	72.2	72.9	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 5000	31.3	73.2	74.0	74.2	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4500	31.3	73.5	74.2	74.4	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 4000	31.5	74.9	75.6	76.1	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3500	31.5	75.6	76.4	77.0	77.1	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3000	31.6	76.5	77.2	77.9	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 2500	31.8	77.3	78.2	78.9	79.0	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 2000	32.3	79.0	79.8	80.5	80.8	80.8	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1800	32.3	79.3	80.3	80.9	81.3	81.3	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1500	32.6	79.9	81.1	81.9	82.5	82.5	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1200	32.7	81.9	83.1	83.9	84.7	84.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1000	32.9	82.4	83.7	84.7	85.4	85.4	86.1	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 900	32.9	82.7	84.4	85.3	86.1	86.1	86.7	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7
GE 800	32.9	83.7	85.5	86.5	87.5	87.5	88.3	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 700	32.9	84.3	86.5	87.5	89.0	89.0	89.9	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 600	32.9	85.1	87.8	88.9	90.6	90.6	91.7	92.6	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 500	33.0	85.4	88.1	89.5	91.5	91.5	92.7	93.7	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3
GE 400	33.0	85.9	88.7	90.2	92.7	92.7	94.2	95.3	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 300	33.0	85.9	88.8	90.3	92.9	93.0	94.6	95.7	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 200	33.0	85.9	88.9	90.6	93.3	93.4	95.3	96.3	96.7	97.4	97.5	97.7	97.8	97.8	98.0	98.0
GE 100	33.0	85.9	88.9	90.6	93.3	93.4	95.3	96.3	96.7	97.5	97.6	98.0	98.1	98.2	98.3	98.5
GE 01	33.0	85.9	88.9	90.6	93.3	93.4	95.3	96.3	96.7	97.5	97.6	98.0	98.1	98.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.8	55.6	56.3	56.5	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.2
GE 20000	27.6	60.7	61.4	61.7	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.6
GE 18000	27.7	60.8	61.6	61.9	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.7
GE 16000	27.7	60.8	61.6	61.9	62.2	62.2	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.7
GE 14000	27.8	61.3	62.1	62.4	62.6	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1	63.2
GE 12000	28.4	62.5	63.3	63.6	63.9	63.9	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.4
GE 10000	29.1	64.6	65.4	65.8	66.1	66.1	66.3	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.7
GE 9000	29.1	64.8	65.6	65.9	66.2	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.9
GE 8000	29.4	66.4	67.2	67.6	67.9	67.9	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.5
GE 7000	29.6	67.2	68.1	68.4	68.8	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.4
GE 6000	29.7	67.9	68.7	69.1	69.4	69.5	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.9	69.9	70.1
GE 5000	29.9	69.0	69.9	70.2	70.7	70.7	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.2	71.3
GE 4500	30.0	69.5	70.3	70.7	71.1	71.2	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.8
GE 4000	30.2	70.7	71.6	71.9	72.4	72.4	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	73.1
GE 3500	30.4	71.5	72.4	72.9	73.3	73.4	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.9	74.0
GE 3000	30.5	72.8	73.7	74.2	74.7	74.7	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.4
GE 2500	30.7	73.8	74.8	75.4	75.9	75.9	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.7
GE 2000	31.3	75.6	76.8	77.5	78.2	78.2	78.6	78.7	78.7	78.8	78.8	78.8	78.9	78.9	78.9	79.1
GE 1800	31.4	76.0	77.2	77.9	78.6	78.7	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.4	79.5
GE 1500	31.8	77.4	78.9	79.7	80.6	80.7	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.6
GE 1200	32.0	79.1	80.7	81.7	82.8	83.0	83.4	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.9	84.0
GE 1000	32.1	80.1	81.8	82.9	84.2	84.4	84.9	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.7
GE 900	32.1	80.8	82.8	84.1	85.5	85.7	86.3	86.6	86.6	86.8	86.9	86.9	86.9	86.9	87.0	87.1
GE 800	32.1	81.5	83.7	85.3	86.9	87.2	87.8	88.2	88.3	88.5	88.6	88.6	88.6	88.6	88.7	88.9
GE 700	32.1	82.0	84.5	86.2	88.1	88.4	89.1	89.6	89.7	90.0	90.1	90.1	90.1	90.2	90.2	90.4
GE 600	32.1	82.4	85.2	87.1	89.3	89.7	90.5	91.1	91.2	91.7	91.9	91.9	91.9	91.9	92.0	92.2
GE 500	32.1	82.7	85.6	87.8	90.2	90.7	91.7	92.4	92.7	93.2	93.4	93.4	93.5	93.5	93.6	93.8
GE 400	32.1	82.9	85.9	88.1	91.0	91.5	92.7	93.7	94.2	94.8	95.1	95.1	95.2	95.3	95.3	95.5
GE 300	32.1	82.9	85.9	88.3	91.3	91.8	93.2	94.4	95.0	96.1	96.5	96.6	96.7	96.7	96.9	97.1
GE 200	32.1	82.9	85.9	88.3	91.4	91.9	93.3	94.7	95.4	96.6	97.2	97.4	97.6	97.7	98.0	98.3
GE 100	32.1	82.9	85.9	88.3	91.4	91.9	93.3	94.7	95.4	96.7	97.3	97.4	97.8	98.0	98.6	99.9
GE 0	32.1	82.9	85.9	88.3	91.4	91.9	93.3	94.7	95.4	96.7	97.3	97.4	97.8	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 7434

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
MONTH: ALL HOURS(1ST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.6	58.2	59.0	59.4	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.0
GE 20000	31.3	65.1	66.0	66.4	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.2
GE 18000	31.4	65.4	66.2	66.7	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.4
GE 16000	31.4	65.5	66.4	66.8	67.1	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
GE 14000	31.6	65.9	66.8	67.3	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	68.0
GE 12000	32.1	67.1	68.0	68.5	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2
GE 10000	33.0	69.7	70.6	71.1	71.4	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.9
GE 9000	33.1	69.9	70.9	71.4	71.7	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1
GE 8000	33.8	72.2	73.2	73.7	74.0	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.5
GE 7000	34.2	73.0	74.1	74.6	74.9	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.4
GE 6000	34.5	73.7	74.8	75.3	75.6	75.7	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1
GE 5000	34.9	75.2	76.3	76.9	77.3	77.3	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.8
GE 4500	35.1	75.8	76.9	77.5	77.9	78.0	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.4
GE 4000	35.5	77.4	78.6	79.3	79.7	79.8	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.2
GE 3500	35.8	78.3	79.6	80.3	80.7	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2
GE 3000	36.1	79.8	81.3	82.0	82.5	82.6	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1
GE 2500	36.4	81.1	82.7	83.4	84.0	84.1	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.7
GE 2000	36.7	82.5	84.2	85.0	85.6	85.7	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.4
GE 1800	36.8	82.9	84.7	85.5	86.1	86.3	86.5	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.9
GE 1500	37.1	84.2	86.1	87.1	87.8	88.0	88.2	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.7
GE 1200	37.2	85.5	87.5	88.6	89.4	89.6	89.9	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4
GE 1000	37.3	86.4	88.6	89.8	90.8	91.0	91.4	91.6	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0
GE 900	37.4	86.8	89.2	90.5	91.6	91.8	92.3	92.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.9	93.0
GE 800	37.4	87.2	89.8	91.3	92.5	92.8	93.3	93.6	93.7	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.1
GE 700	37.4	87.5	90.2	91.8	93.2	93.5	94.1	94.4	94.5	94.7	94.8	94.8	94.8	94.8	94.9	94.9	95.0
GE 600	37.4	87.8	90.6	92.4	93.9	94.3	94.9	95.3	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.9	96.0
GE 500	37.4	87.9	90.9	92.8	94.5	94.9	95.7	96.2	96.4	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.0
GE 400	37.4	88.0	91.1	93.0	94.9	95.4	96.3	97.0	97.3	97.6	97.8	97.8	97.8	97.9	97.9	97.9	98.0
GE 300	37.4	88.0	91.1	93.1	95.1	95.6	96.6	97.4	97.8	98.3	98.4	98.5	98.6	98.6	98.6	98.7	98.8
GE 200	37.4	88.0	91.2	93.1	95.2	95.7	96.7	97.5	97.9	98.5	98.8	98.9	99.0	99.1	99.1	99.2	99.4
GE 100	37.4	88.0	91.2	93.1	95.2	95.7	96.7	97.5	98.0	98.6	98.9	99.0	99.2	99.3	99.3	99.5	99.9
GE 0	37.4	88.0	91.2	93.1	95.2	95.7	96.7	97.5	98.0	98.6	98.9	99.0	99.2	99.3	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 87642

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

TOTAL SKY COVER

FOR ALL WAYS STATIONS THE VALUES OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBLSCURED WERE USED TO DETERMINE FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 2/10

BROKEN WAS CONVERTED TO 4/10

OVERCAST WAS CONVERTED TO 10/10

OBLSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JAN

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	38.7			17.9						13.0	30.4	4.7	925
03-05	41.1			15.3						10.4	33.2	4.7	926
06-08	27.9			23.8						12.4	36.0	5.4	926
09-11	15.9			30.7						17.7	35.7	6.1	926
12-14	13.7			31.0						19.3	36.1	6.3	929
15-17	10.9			34.8						19.2	35.1	6.3	930
18-20	19.4			31.7						16.6	32.4	5.7	930
21-23	35.2			20.5						12.6	31.7	4.9	927
TOTALS	25.4			25.7						15.2	33.8	5.5	7419

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: FEB

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	33.7			17.9						12.4	36.0	5.3	831
03-05	33.1			17.2						13.0	36.6	5.4	830
06-08	21.1			23.2						13.8	42.0	6.1	829
09-11	14.2			23.6						19.6	42.6	6.7	843
12-14	14.1			26.6						20.9	38.3	6.5	845
15-17	11.8			30.1						20.7	37.4	6.5	846
18-20	14.9			30.0						21.3	33.8	6.2	846
21-23	29.1			21.6						13.3	36.1	5.4	843
TOTALS	21.5			23.8						16.9	37.9	6.0	6713

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.0			15.5						11.8	35.7	5.1	927
03-05	33.6			17.7						12.1	36.7	5.3	929
06-08	20.6			23.8						18.3	37.4	6.1	926
09-11	16.4			21.9						22.1	39.6	6.6	925
12-14	14.7			25.2						18.4	41.7	6.6	930
15-17	11.5			24.5						22.6	41.4	6.9	930
18-20	13.7			28.2						18.0	40.2	6.5	930
21-23	31.9			17.1						11.7	39.2	5.5	930
TOTALS	22.4			21.7						16.9	39.0	6.1	7427

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.0			21.1						14.6	30.3	5.0	899
03-05	31.2			21.4						17.3	30.1	5.2	891
06-08	17.6			27.1						23.1	32.1	6.1	896
09-11	15.7			27.8						21.6	34.9	6.3	898
12-14	9.8			31.7						24.8	35.8	6.6	900
15-17	7.9			35.1						28.3	28.7	6.5	898
18-20	11.4			36.6						26.0	26.1	6.0	897
21-23	32.1			23.9						17.9	26.1	4.9	897
TOTALS	20.0			28.1						21.7	30.3	5.8	7176

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: MAY

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	26.8			25.8						15.0	32.5	5.4	927
03-05	21.1			26.1						20.5	32.3	5.9	926
06-08	8.5			27.0						29.4	35.0	7.0	925
09-11	7.1			29.0						30.6	33.2	7.0	930
12-14	4.1			34.1						32.8	29.0	6.9	930
15-17	4.0			37.8						32.5	25.7	6.6	930
18-20	5.6			39.8						30.2	24.4	6.4	930
21-23	25.4			26.1						19.0	29.5	5.4	930
TOTALS	12.8			30.7						26.3	30.2	6.3	7428

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: JUN

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	28.0			26.5						23.0	22.5	5.1	897
03-05	20.9			29.9						22.9	26.3	5.6	896
06-08	8.1			30.6						33.0	28.3	6.7	898
09-11	9.1			34.4						30.4	26.1	6.4	899
12-14	6.9			40.3						32.1	20.7	6.2	900
15-17	6.2			43.3						31.3	19.2	6.0	898
18-20	8.2			42.3						27.6	21.9	5.9	897
21-23	22.5			31.6						23.4	22.5	5.3	898
TOTALS	13.7			34.9						28.0	23.4	5.9	7183



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS PERIOD OF RECORD: 77-86  
 MONTH: JUL

HOURS   (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	38.9			30.5							16.4	14.3	3.8	929
03-05	30.1			34.0							19.5	16.5	4.4	930
06-08	15.1			38.4							28.6	17.9	5.5	929
09-11	17.7			42.4							26.4	13.5	5.0	927
12-14	10.4			50.8							28.3	10.5	5.1	930
15-17	7.9			56.1							29.5	6.5	5.0	928
18-20	13.5			54.6							24.2	7.7	4.6	926
21-23	30.9			41.5							15.5	12.1	3.9	927
TOTALS	20.6			43.5							23.6	12.4	4.7	7426

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS PERIOD OF RECORD: 77-86  
 MONTH: AUG

HOURS   (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	35.4			29.9							16.7	18.1	4.2	924
03-05	33.7			29.3							17.3	19.8	4.4	926
06-08	12.4			37.5							30.1	20.1	5.8	921
09-11	13.2			41.1							29.6	16.1	5.5	925
12-14	8.2			46.8							31.2	13.9	5.6	930
15-17	5.9			56.7							27.9	9.5	5.2	929
18-20	11.9			51.6							26.1	10.4	4.9	926
21-23	29.4			38.6							16.8	15.3	4.2	923
TOTALS	18.8			41.4							24.5	15.4	5.0	7404

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS PERIOD OF RECORD: 77-86  
 MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	38.6			24.1						15.2	22.2	4.3	897
03-05	37.8			23.3						15.9	23.0	4.4	888
06-08	37.3			36.1						22.0	24.6	5.5	883
09-11	17.5			38.0						23.6	20.9	5.4	895
12-14	13.8			41.8						25.0	19.4	5.4	899
15-17	13.0			40.1						28.1	18.8	5.6	900
18-20	18.7			39.6						24.4	17.3	5.1	898
21-23	34.9			29.2						16.2	19.7	4.3	900
TOTALS	24.0			34.0						21.3	20.7	5.0	7160

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS PERIOD OF RECORD: 77-86  
 MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	40.8			19.5						12.7	26.9	4.4	928
03-05	35.8			21.4						14.2	28.6	4.8	918
06-08	22.2			25.4						22.8	29.6	5.8	914
09-11	17.7			29.0						23.7	29.6	6.0	923
12-14	18.3			29.9						24.5	27.3	5.6	930
15-17	18.0			33.4						22.9	25.7	5.6	929
18-20	25.3			33.3						19.4	22.0	4.9	928
21-23	39.9			22.1						13.6	24.4	4.3	927
TOTALS	27.3			26.8						19.2	26.8	5.2	7397

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS PERIOD OF RECORD: 77-86  
 MONTH: NOV

HOURS   (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	35.0			14.9						15.4	34.7	5.3	898
03-05	32.9			19.0						12.7	35.4	5.3	896
06-08	19.9			24.3						18.9	36.9	6.1	896
09-11	12.7			29.6						18.4	39.3	6.5	900
12-14	11.9			31.6						20.7	35.8	6.4	899
15-17	12.8			31.7						23.4	32.1	6.3	900
18-20	22.1			31.3						16.7	29.9	5.4	900
21-23	34.2			19.7						15.2	30.9	5.0	900
TOTALS	22.7			25.3						17.7	34.4	5.8	7189

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS PERIOD OF RECORD: 77-86  
 MONTH: DEC

HOURS   (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9			10
00-02	33.1			21.3						10.4	35.2	5.1	924
03-05	32.7			21.0						11.1	35.2	5.1	929
06-08	22.9			24.3						16.2	36.6	5.8	926
09-11	14.8			26.3						21.8	37.0	6.5	926
12-14	15.3			25.2						22.9	36.7	6.5	930
15-17	13.0			30.2						23.3	33.4	6.4	930
18-20	22.8			27.4						17.3	32.6	5.6	927
21-23	32.4			22.0						10.4	35.2	5.1	926
TOTALS	23.4			24.7						16.7	35.2	5.8	7418

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 77-86  
 MONTH: ALL

		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
HOURS (LST)		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.4			25.7						15.2	33.8	5.5	7419
FEB		21.5			23.8						16.9	37.9	6.0	6713
MAR		22.4			21.7						16.9	39.0	6.1	7427
APR		20.0			28.1						21.7	30.1	5.8	7176
MAY		12.8			30.7						26.3	30.2	6.3	7428
JUN		13.7			34.9						28.0	23.4	5.9	7183
JUL		20.6			43.5						23.6	12.4	4.7	7426
AUG		18.8			41.4						24.5	15.4	5.0	7404
SEP		24.0			34.0						21.3	20.7	5.0	7160
OCT		27.3			26.8						19.2	26.8	5.2	7397
NOV		22.7			25.3						17.7	34.4	5.8	7189
DEC		23.4			24.7						16.7	35.2	5.6	7418
TOTALS		21.1			30.1						20.7	28.3	5.6	87340

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

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

Continued on Reverse

3. Divariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

These tables have been temporarily discontinued for the Russwo pending the advent of RUSSWO-2 in mid 1986.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.







NATIONAL CLIMATOLOGICAL SERVICE

DAILY TEMPERATURES

STATION NAME

STATION NO. CONNELL AFB TX

PERIOD

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

PERCENT

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10							1.0						1.0
11							1.0	1.4					2.4
12							2.4	4.4					6.8
13							7.7	14.7	24.7	52.1			84.5
14							12.1	23.5	43.0	64.4	19.7		91.3
15							18.8	35.3	57.6	81.2	28.4		99.6
16							25.5	42.3	67.4	85.0	59.1		100.0
17							32.3	49.7	72.7	88.9	78.0		100.0
18							39.1	56.0	78.0	93.4	88.0		100.0
19							45.9	62.0	83.4	93.4	93.4		100.0
20							52.7	68.9	88.9	98.4	98.4		100.0
21							59.5	75.8	93.9	98.4	98.4		100.0
22							66.3	82.7	98.9	98.9	98.9		100.0
23							73.1	89.6	98.9	98.9	98.9		100.0
24							79.9	96.5	98.9	98.9	98.9		100.0
25							86.7	98.9	98.9	98.9	98.9		100.0
26							93.5	98.9	98.9	98.9	98.9		100.0
27							98.9	98.9	98.9	98.9	98.9		100.0
28							98.9	98.9	98.9	98.9	98.9		100.0
29							98.9	98.9	98.9	98.9	98.9		100.0
30							98.9	98.9	98.9	98.9	98.9		100.0
31							98.9	98.9	98.9	98.9	98.9		100.0
32							98.9	98.9	98.9	98.9	98.9		100.0
33							98.9	98.9	98.9	98.9	98.9		100.0
34							98.9	98.9	98.9	98.9	98.9		100.0
35							98.9	98.9	98.9	98.9	98.9		100.0
36							98.9	98.9	98.9	98.9	98.9		100.0
37							98.9	98.9	98.9	98.9	98.9		100.0
38							98.9	98.9	98.9	98.9	98.9		100.0
39							98.9	98.9	98.9	98.9	98.9		100.0
40							98.9	98.9	98.9	98.9	98.9		100.0
41							98.9	98.9	98.9	98.9	98.9		100.0
42							98.9	98.9	98.9	98.9	98.9		100.0
43							98.9	98.9	98.9	98.9	98.9		100.0
44							98.9	98.9	98.9	98.9	98.9		100.0
45							98.9	98.9	98.9	98.9	98.9		100.0
46							98.9	98.9	98.9	98.9	98.9		100.0
47							98.9	98.9	98.9	98.9	98.9		100.0
48							98.9	98.9	98.9	98.9	98.9		100.0
49							98.9	98.9	98.9	98.9	98.9		100.0
50							98.9	98.9	98.9	98.9	98.9		100.0
51							98.9	98.9	98.9	98.9	98.9		100.0
52							98.9	98.9	98.9	98.9	98.9		100.0
53							98.9	98.9	98.9	98.9	98.9		100.0
54							98.9	98.9	98.9	98.9	98.9		100.0
55							98.9	98.9	98.9	98.9	98.9		100.0
56							98.9	98.9	98.9	98.9	98.9		100.0
57							98.9	98.9	98.9	98.9	98.9		100.0
58							98.9	98.9	98.9	98.9	98.9		100.0
59							98.9	98.9	98.9	98.9	98.9		100.0
60							98.9	98.9	98.9	98.9	98.9		100.0
61							98.9	98.9	98.9	98.9	98.9		100.0
62							98.9	98.9	98.9	98.9	98.9		100.0
63							98.9	98.9	98.9	98.9	98.9		100.0
64							98.9	98.9	98.9	98.9	98.9		100.0
65							98.9	98.9	98.9	98.9	98.9		100.0
66							98.9	98.9	98.9	98.9	98.9		100.0
67							98.9	98.9	98.9	98.9	98.9		100.0
68							98.9	98.9	98.9	98.9	98.9		100.0
69							98.9	98.9	98.9	98.9	98.9		100.0
70							98.9	98.9	98.9	98.9	98.9		100.0
71							98.9	98.9	98.9	98.9	98.9		100.0
72							98.9	98.9	98.9	98.9	98.9		100.0
73							98.9	98.9	98.9	98.9	98.9		100.0
74							98.9	98.9	98.9	98.9	98.9		100.0
75							98.9	98.9	98.9	98.9	98.9		100.0
76							98.9	98.9	98.9	98.9	98.9		100.0
77							98.9	98.9	98.9	98.9	98.9		100.0
78							98.9	98.9	98.9	98.9	98.9		100.0
79							98.9	98.9	98.9	98.9	98.9		100.0
80							98.9	98.9	98.9	98.9	98.9		100.0
81							98.9	98.9	98.9	98.9	98.9		100.0
82							98.9	98.9	98.9	98.9	98.9		100.0
83							98.9	98.9	98.9	98.9	98.9		100.0
84							98.9	98.9	98.9	98.9	98.9		100.0
85							98.9	98.9	98.9	98.9	98.9		100.0
86							98.9	98.9	98.9	98.9	98.9		100.0
87							98.9	98.9	98.9	98.9	98.9		100.0
88							98.9	98.9	98.9	98.9	98.9		100.0
89							98.9	98.9	98.9	98.9	98.9		100.0
90							98.9	98.9	98.9	98.9	98.9		100.0
91							98.9	98.9	98.9	98.9	98.9		100.0
92							98.9	98.9	98.9	98.9	98.9		100.0
93							98.9	98.9	98.9	98.9	98.9		100.0
94							98.9	98.9	98.9	98.9	98.9		100.0
95							98.9	98.9	98.9	98.9	98.9		100.0
96							98.9	98.9	98.9	98.9	98.9		100.0
97							98.9	98.9	98.9	98.9	98.9		100.0
98							98.9	98.9	98.9	98.9	98.9		100.0
99							98.9	98.9	98.9	98.9	98.9		100.0
100							98.9	98.9	98.9	98.9	98.9		100.0
MEAN	57.3	61.3	65.2	69.1	73.0	76.9	80.8	84.7	88.6	92.5	96.4	100.3	77.0
TOTAL OBS	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103

SAFETAC (U.S. GOVERNMENT PRINTING OFFICE: 1964 O 275 101 A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
53													59	
54	67	83	79	90	87	104	114	106	104	96	77	65	114	
55	64	65	86	91	92	91	102	101	98	86	77	81	102	
56	68	80	87	94	98	105	104	107	101	90	77	67	107	
57	66	68	75	77	83	96	102	102	95	85	74	63	102	
58	57	68	57	82	94	99	100	100	95	89	75	62	100	
59	61	64	80	91	89	102	97	102	96	78	77	63	102	
60	66	62	80	85	89	103	101	99	92	88	73	64	103	
61	58	69	76	87	88	96	100	101	96	82	66	64	101	
62	58	79	79	83	100	95	102	105	97	90	70	64	105	
63	59	70	84	89	93	98	104	108	92	93	76	62	108	
64	71	57	74	83	99	101	105	107	98	85	77	57	107	
65	69	68	76	85	87	94	100	98	92	92	75	66	100	
66	63	61	83	82	91	95	105	104	91	90	76	74	105	
67	74	72	88	87	99	92	96	100	89	88	70	61	100	
68	66	61	81	84	90	97	103	109	92	89	72	60	109	
69	55	69	74	82	90	99	103	107	95	89	72	64	107	
70	63	78	75	89	88	100	106	106	102	83	71	69	106	
71	70	65	78	84	90	99	104	96	101	89	72	61	104	
72	56	82	82	97	89	98	102	99	96	89	67	67	102	
73	63	62	72	78	86	103	99	103	92	86	73	66	103	
74	58	68	86	77	91	105	107	100	90	81	69	58	107	
75	55	55	75	82	85	92	100	101	99	93	77	73	101	
76	67	84	86	86	85	97	101	105	101	90	71	66	105	
77	56	74	79	83	86	97	104	98	92	87	70	67	104	
78	57	49	86	84	88	99	106	103	103	92	79	66	106	
79	45	61	80	81	86	96	101	100	95	94	68	63	101	
80	60	65	68	85	90	108	110	110	100	93	82	85	110	
81	73	79	79	90	83	102	107	100	94	86	70	65	107	
82	60	74	80	89	88	93	101	107	102	90	72	67	107	

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
83	62	69	76	77	88	92	106	107	98	88	77	51	107
84	62	71	70	82	86	99	105	110	105	82	68	68	110
85	48	55	78	85	100	104	107	103	103	82	73	53	107
86	67	75	81	85	85	96	108	92	92	78	62	50	108
MEAN	61.9	68.5	78.5	85.0	89.8	98.4	103.4	102.9	96.6	87.7	72.9	63.9	105.1
S.D.	6.605	8.639	6.266	4.747	4.788	4.330	3.699	4.245	4.493	4.477	4.241	6.046	3.391
TOTAL OBS	1023	932	1023	990	1023	990	1023	1023	990	1023	990	1054	12084

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	WHOLE DEGREES FAHRENHEIT											ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
53												7	0
54	0	16	13	29	32	48	67	64	50	31	20	16	3
55	11	3	8	35	50	50	67	60	51	32	9	5	5
56	5	6	10	31	46	52	65	52	46	41	15	15	2
57	2	14	19	24	42	55	63	63	50	26	24	10	6
58	6	7	18	35	45	50	60	55	43	35	15	8	-11
59	-11	2	22	30	44	55	56	62	45	30	9	23	0
60	8	5	0	33	34	55	58	60	49	30	20	12	-2
61	4	10	28	32	38	53	57	53	43	37	24	-2	-10
62	-10	2	3	22	44	57	59	58	46	36	25	-2	-7
63	-7	11	23	37	35	59	66	58	45	35	24	1	-1
64	-1	13	15	28	45	51	60	53	41	30	9	2	1
65	10	1	13	35	47	57	59	59	43	35	19	20	-2
66	-2	6	16	27	38	51	67	57	44	30	18	1	1
67	7	9	1	30	37	54	56	54	39	34	23	7	-3
68	-2	9	16	25	38	50	58	60	47	38	23	-3	6
69	8	18	6	35	45	50	63	63	54	31	18	17	3
70	3	11	22	27	42	53	52	58	44	32	12	15	-4
71	4	-4	15	29	43	61	54	60	44	35	23	23	-4
72	-4	4	16	24	46	52	54	60	37	27	23	3	-1
73	-1	16	30	27	40	53	62	59	42	31	28	1	-3
74	-3	13	15	33	44	53	64	56	43	36	21	15	5
75	8	5	11	17	42	48	54	65	45	34	6	6	-2
76	-2	9	14	29	33	53	62	59	42	21	8	-2	-2
77	-2	13	23	33	49	58	63	58	55	16	21	5	-4
78	-4	-1	5	32	40	54	61	58	48	35	24	8	-6
79	-6	-5	24	29	40	53	64	58	50	36	20	5	3
80	8	3	7	33	39	57	64	65	45	26	21	8	-3
81	15	-3	28	39	41	54	62	58	45	32	27	13	-9
82	-6	-9	19	27	44	52	66	63	45	32	19	14	

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 724505 STATION NAME: MCCONNELL AFB KS

PERIOD OF RECORD: 53-86

YEAR	WHOLE DEGREES FAHRENHEIT -H-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
83	16	7	25	29	35	46	60	69	38	42	22	-8	-8
84	-1	14	20	33	38	57	61	59	37	33	25	14	-1
85	-3	1	25	35	49	50	65	60	35	33	15	8	-3
86	9	8	23	32	47	58	62	53	52	37	8	19	8
MEAN	1.8	6.5	16.2	30.2	41.6	53.3	60.9	59.1	44.9	33.0	18.7	8.4	-1.3
S.D.	6.845	6.596	8.039	4.633	4.796	3.450	4.168	3.864	4.802	4.294	6.156	7.658	4.733
TOTAL OBS	1023	932	1023	990	1023	990	1023	1023	990	1023	990	1054	12084

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DAY-BY-DAY TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724 5 MCCONNELL - FB KS 77-86  
STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN	25.	30.8	42.1	51.7	60.2	69.7	76.6	74.3	67.6	54.9	41.8	31.0	52.3	
	S D	1.7	4.12	6.84	7.137	9.495	6.902	6.367	5.364	6.080	9.073	8.962	10.458	10.931	19.401
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
3-05	MEAN	24.6	29.1	39.9	47.7	56.2	67.4	73.8	71.7	65.2	53.0	40.1	29.0	50.3	
	S D	1.725	12.220	9.885	9.328	7.001	6.211	4.955	5.669	8.11	9.243	10.257	11.048	18.968	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
6-08	MEAN	23.	28.0	39.2	50.2	59.0	69.3	75.3	72.5	65.1	52.6	39.0	29.0	50.4	
	S D	1.66	12.076	9.834	9.565	7.037	6.401	5.050	5.854	6.792	9.066	9.989	10.883	19.738	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	900	10956	
9-11	MEAN	27.	32.8	45.9	57.9	67.2	77.1	84.0	81.7	73.7	60.4	44.3	33.0	57.3	
	S D	11.5	7.13	11.71	10.735	10.467	7.451	7.807	6.869	7.655	10.082	8.909	10.646	11.348	21.748
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
12-14	MEAN	3.4	30.0	52.3	63.5	72.0	82.5	91.3	88.2	81.5	66.8	51.3	38.9	63.4	
	S D	13.1	13.14	6.66	11.914	11.173	8.220	8.699	7.552	8.459	11.060	10.058	11.735	12.518	22.296
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
3-17	MEAN	30.1	41.2	54.5	65.2	73.5	83.8	92.9	89.6	81.0	67.9	51.0	39.8	64.8	
	S D	13.4	7.15	11.37	11.295	11.347	8.411	8.802	7.542	8.426	11.121	10.394	11.768	12.670	22.371
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956	
6-20	MEAN	20.5	36.8	50.2	60.7	69.1	79.7	87.5	84.0	75.7	61.6	45.8	34.7	59.8	
	S D	11.5	13.947	11.063	10.453	7.800	8.037	7.142	7.755	10.378	9.425	10.480	11.143	21.641	
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	927	10952	
9-23	MEAN	27.7	33.3	45.6	55.0	63.4	73.2	80.2	77.8	70.2	57.4	42.9	32.3	55.0	
	S D	10.83	11.289	10.151	9.500	6.022	6.719	5.801	6.669	9.427	8.875	10.231	10.890	19.987	
	TOTAL OBS	930	846	930	869	930	900	930	930	900	930	900	927	10952	
ALL HOURS	MEAN	24.0	33.9	46.2	56.7	65.4	75.3	82.8	80.0	72.5	59.3	44.4	33.6	56.7	
	S D	12.26	14.126	12.024	11.64	9.250	9.511	9.408	9.687	11.626	10.886	11.472	12.41	21.465	
	TOTAL OBS	744	6768	7440	719	744	7200	7439	7440	7200	7440	7200	7434	8764	

GLOBAL CLIM TOLOGY BRANCH  
AFETAC  
A. LEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

NET-BALLS TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7241 5 MCCONNELL AFB KS 77-86  
STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
J-02	MEAN	23.7	28.4	38.2	47.1	56.0	64.5	68.6	66.9	61.2	49.9	39.5	28.5	47.7
	S D	10.00	11.59	9.26	9.72	6.94	5.79	3.86	4.54	8.01	8.55	10.04	10.49	17.55
J-02	TOTAL OBS	930	846	930	899	929	900	928	930	900	930	897	930	10949
D-00	MEAN	22.0	27.0	36.6	45.8	54.6	63.3	67.3	65.8	60.1	48.8	37.4	27.7	46.5
	S D	10.10	11.49	9.23	9.22	7.13	5.89	3.84	4.72	8.08	8.89	10.01	10.74	17.58
D-00	TOTAL OBS	930	846	930	900	927	900	927	930	900	930	897	930	10947
C-00	MEAN	21.0	26.2	36.2	46.2	55.7	64.2	68.2	66.4	60.2	48.6	36.6	26.9	46.5
	S D	10.20	11.49	9.33	9.28	7.10	5.78	3.66	4.80	8.17	8.85	9.78	10.70	18.14
C-00	TOTAL OBS	930	846	930	900	928	900	928	930	900	930	897	930	10949
-11	MEAN	24.5	29.6	40.5	50.7	59.8	67.8	71.9	70.4	64.3	53.0	40.0	29.8	50.3
	S D	10.63	11.67	9.26	9.04	7.04	5.36	3.42	4.70	8.20	7.86	9.66	10.51	18.37
-11	TOTAL OBS	929	845	930	900	929	900	929	929	900	930	900	930	10951
1-17	MEAN	28.7	33.8	44.1	53.5	62.1	69.5	73.2	72.1	66.4	55.8	43.3	33.5	53.1
	S D	10.97	11.81	9.29	9.10	7.05	5.75	3.48	4.54	8.07	7.58	9.72	10.68	17.55
1-17	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
10-17	MEAN	29.9	35.1	45.1	54.1	62.4	69.8	73.1	71.9	66.2	56.0	43.6	34.1	53.5
	S D	10.88	11.85	9.17	8.87	6.86	5.53	3.38	4.39	7.79	7.62	9.56	10.72	17.16
10-17	TOTAL OBS	929	846	930	900	930	900	930	930	900	930	900	930	10955
-2	MEAN	27.0	32.4	42.9	52.0	60.0	68.5	71.7	70.2	64.0	53.2	40.7	31.0	51.5
	S D	10.10	11.53	8.87	8.16	6.84	5.52	3.59	4.34	7.80	7.77	9.38	10.23	17.50
-2	TOTAL OBS	930	845	930	900	930	900	929	930	900	930	900	927	10951
1-23	MEAN	25.1	30.2	40.5	49.2	57.8	66.3	69.8	68.2	62.2	51.1	39.0	29.4	49.2
	S D	9.94	11.41	8.09	8.86	6.72	5.53	3.75	4.45	8.00	8.12	9.45	10.27	17.45
1-23	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	899	927	10951
ALL HOURS	MEAN	25.4	30.3	40.5	49.8	58.0	66.7	70.5	69.0	63.1	52.1	39.9	30.1	49.3
	S D	10.70	11.98	9.68	9.56	7.52	6.18	4.21	5.12	8.36	8.61	9.99	10.82	17.85
ALL HOURS	TOTAL OBS	7430	6766	7440	7198	7433	7000	7431	7419	7200	7440	7140	7434	8709

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

SEA-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7245 5		MCCONNELL AFB KS											77-86	
STATION		STATION NAME											YEARS	
HRS 1ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	17.0	23.6	32.9	42.3	52.6	61.4	64.3	62.8	57.1	45.1	34.0	23.3	43.2
	S D	11.92	12.65	10.58	10.55	8.235	6.596	5.396	5.584	9.364	10.429	11.626	12.472	18.785
	TOTAL OBS	930	846	930	899	929	920	926	930	900	930	897	930	10949
0-0	MEAN	17.1	22.6	31.9	41.6	51.6	60.6	63.7	62.5	56.7	44.7	33.4	22.7	42.5
	S D	12.2	12.94	10.59	10.737	8.269	6.596	4.871	5.624	9.001	10.343	11.557	12.810	18.910
	TOTAL OBS	930	846	930	900	927	920	927	930	900	930	897	930	10947
0-00	MEAN	16.3	21.2	30.6	42.0	52.3	61.2	64.5	63.1	56.9	44.7	32.8	22.1	42.5
	S D	12.517	12.991	10.779	10.690	8.429	6.606	4.624	5.639	9.09	10.365	11.225	12.820	19.370
	TOTAL OBS	930	846	930	900	929	920	926	930	900	930	897	930	10949
-11	MEAN	17.8	23.7	33.1	43.9	54.5	62.6	65.7	64.8	58.5	46.5	34.5	23.6	44.2
	S D	12.976	12.872	10.929	11.209	9.072	6.983	4.994	5.780	9.810	10.347	11.264	12.608	19.469
	TOTAL OBS	929	845	930	900	929	920	929	929	900	930	900	930	10941
1-1	MEAN	15.7	20.6	34.5	44.7	55.4	62.6	64.5	64.4	58.0	46.5	35.1	24.7	44.6
	S D	12.621	12.574	11.160	11.561	9.299	7.191	6.000	6.434	10.362	10.870	11.657	12.635	18.910
	TOTAL OBS	930	846	930	900	930	920	930	930	900	930	900	930	10950
-1	MEAN	16.4	20.2	34.5	44.4	55.1	62.6	63.6	63.2	57.0	45.9	35.0	24.8	44.5
	S D	12.147	12.303	11.164	11.469	9.215	7.274	6.289	6.646	10.184	11.128	11.509	12.595	18.476
	TOTAL OBS	929	846	930	900	929	920	930	930	900	930	900	930	10955
-2	MEAN	16.0	25.5	34.2	44.0	54.5	62.5	63.8	63.0	57.0	45.7	34.3	24.1	44.1
	S D	11.950	12.279	10.744	11.172	8.932	7.121	5.976	6.232	9.654	10.501	11.183	12.323	18.525
	TOTAL OBS	930	845	930	900	920	920	929	930	900	930	900	927	10951
1-23	MEAN	16.9	24.7	34.1	43.5	53.6	62.4	64.4	63.0	57.1	45.3	33.7	23.0	43.8
	S D	11.855	12.354	10.320	10.617	8.068	6.456	5.426	5.800	9.370	10.295	10.991	12.311	18.612
	TOTAL OBS	930	846	930	899	920	920	930	930	900	930	899	927	10951
ALL HOURS	MEAN	16.4	24.2	33.4	43.3	53.7	62.0	64.3	63.3	57.3	45.5	34.1	23.6	43.7
	S D	12.34	12.726	10.836	11.067	8.821	6.807	5.476	6.026	9.597	10.563	11.400	12.598	18.920
	TOTAL OBS	7436	6766	7440	7158	7433	7200	7431	7439	7200	7440	7100	7434	87609











1. MAJ. CLIM. TOLOG. BRANCH  
 2. AFETAC  
 3. WEATHER SERVICE/MAL

**RELATIVE HUMIDITY**

STATION STANWELL AFB PERIOD 77-78 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%		
1-1	10-12	100.0	100.0	100.0	100.0	77.0	74.0	71.0	4.0	1.0	76.4	10
1-10	10-12	100.0	100.0	100.0	100.0	74.7	71.4	67.0	4.0	1.0	74.0	10
1-19	10-12	100.0	100.0	100.0	100.0	75.0	71.0	66.0	4.0	1.0	73.0	19
1-28	10-12	100.0	100.0	100.0	100.0	74.8	71.1	67.0	17.0	1.0	73.0	28
1-37	10-12	100.0	100.0	100.0	100.0	74.1	70.1	66.0	7.0	1.0	74.1	37
1-46	10-12	100.0	100.0	100.0	100.0	74.0	70.1	66.0	1.0	1.0	74.0	46
1-55	10-12	100.0	100.0	100.0	100.0	74.0	70.0	66.0	1.0	1.0	74.0	55
TOTALS		100.0	100.0	100.0	100.0	74.1	70.1	66.0	4.0	1.0	74.1	158

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIRCRAFT SERVICE/MAL

# RELATIVE HUMIDITY

104 25 STATION CONNELL FEB 7-13 PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OBS	
		10	20	30	40	50	60	70	80	90			
01	01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

AD-A179 196

MCCONNELL AFB KANSAS REVISED UNIFORM SUMMARY OF SURFACE 4/8

WEATHER OBSERVATION (U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT AFB 07 APR 87

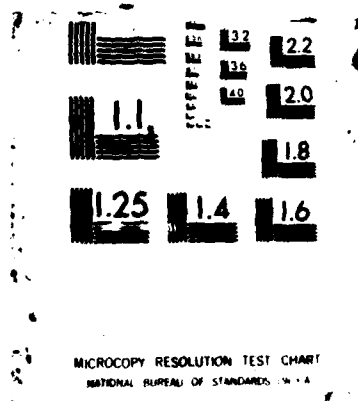
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963-A















# RELATIVE HUMIDITY

U.S. AIR FORCE  
 U.S. AIR FORCE SERVICE CENTER

STATION: CONNELL AFB TX STATION NAME: CONNELL AFB TX PERIOD: 17-50 MONTH: ALL

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS OBS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JAN	100.0	9.9	25.0	40.4	51.3	59.9	64.4	67.0	68.0	68.0	67.0	747
FEB	100.0	9.6	27.0	42.2	51.1	57.6	62.0	64.0	64.0	64.0	64.0	670
MAR	100.0	9.4	27.0	47.0	54.0	58.7	61.0	62.0	62.0	62.0	62.0	744
APR	100.0	9.7	25.0	40.7	51.7	57.0	60.0	62.0	62.0	62.0	62.0	710
MAY	100.0	9.0	25.0	40.0	49.1	56.1	57.0	57.0	57.0	57.0	57.0	770
JUN	100.0	9.0	25.0	40.0	49.3	56.1	57.0	57.0	57.0	57.0	57.0	740
JUL	100.0	9.6	25.0	47.0	57.0	60.0	61.0	61.0	61.0	61.0	61.0	711
AUG	100.0	9.7	27.0	40.0	47.4	56.0	57.0	57.0	57.0	57.0	57.0	748
SEP	100.0	9.0	25.0	40.0	47.0	53.0	57.0	57.0	57.0	57.0	57.0	740
OCT	100.0	9.9	27.0	40.0	47.1	57.7	60.0	60.0	60.0	60.0	60.0	744
NOV	100.0	9.9	25.0	40.0	47.0	56.7	57.0	57.0	57.0	57.0	57.0	710
DEC	100.0	9.6	25.0	40.0	47.0	56.5	60.0	60.0	60.0	60.0	60.0	714
TOTALS	1000.0	9.6	25.0	40.7	49.7	56.7	61.0	62.0	62.0	62.0	62.0	7700

U S AIR FORCE  
 ENVIRONMENTAL TECHNICAL  
 APPLICATIONS CENTER

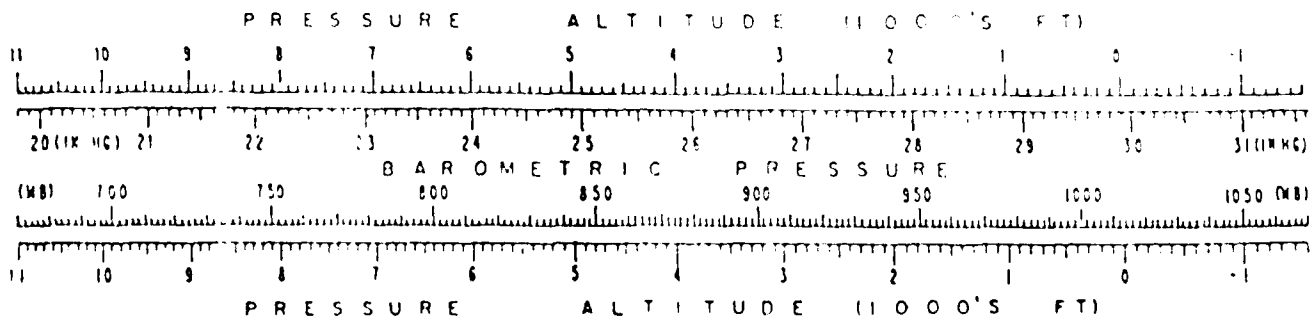
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
 Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
 METAR stations do not report sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



F



GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

724 5 MCCONNELL AFB KS

77-86

STATION		YEARS												ANNUAL
STATION NAME		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
0	MEAN	29.67428	29.60828	29.49428	29.47728	29.45928	29.48528	29.52328	29.53928	29.54628	29.57128	29.57928	29.63128	29.549
	S.D.	.21	.231	.234	.170	.152	.124	.393	.170	.157	.173	.224	.254	.198
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	31	365
1	MEAN	29.67128	29.59928	29.48728	29.46528	29.44728	29.47528	29.51928	29.53528	29.54328	29.56528	29.57228	29.625	29.542
	S.D.	.22	.231	.236	.176	.157	.127	.393	.170	.158	.178	.224	.259	.200
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	31	365
0	MEAN	29.66528	29.6128	29.49228	29.47628	29.46428	29.49328	29.53628	29.5528	29.55728	29.57528	29.628	29.621	29.550
	S.D.	.22	.226	.241	.179	.161	.129	.96	.173	.154	.181	.224	.26	.210
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	31	365
1	MEAN	29.66628	29.6328	29.51828	29.4928	29.48428	29.51928	29.55328	29.56628	29.58028	29.60328	29.60628	29.651	29.574
	S.D.	.21	.226	.244	.204	.163	.132	.96	.175	.161	.195	.228	.26	.203
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	31	365
0	MEAN	29.69128	29.62928	29.51128	29.4928	29.47528	29.49628	29.53828	29.5528	29.56528	29.58828	29.59328	29.646	29.564
	S.D.	.23	.226	.244	.204	.159	.131	.96	.175	.162	.193	.228	.257	.203
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	31	365
0	MEAN	29.6328	29.57428	29.46128	29.44628	29.44128	29.4628	29.49828	29.50828	29.51428	29.53928	29.54428	29.601	29.519
	S.D.	.22	.222	.239	.176	.154	.128	.95	.175	.162	.178	.228	.253	.199
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	31	365
2	MEAN	29.6528	29.58128	29.45728	29.43628	29.41928	29.43528	29.47028	29.48528	29.50328	29.53828	29.55528	29.619	29.517
	S.D.	.224	.21	.233	.171	.149	.125	.94	.174	.163	.174	.226	.25	.179
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	30	365
1	MEAN	29.6628	29.6428	29.48328	29.46828	29.44828	29.46628	29.50128	29.52228	29.53928	29.56728	29.57528	29.637	29.541
	S.D.	.22	.221	.231	.175	.147	.122	.94	.171	.159	.172	.25	.243	.196
	TOTAL OBS	31	29	31	30	31	30	31	31	30	31	30	30	365
ALL HOURS	MEAN	29.6628	29.6328	29.48828	29.46928	29.45528	29.47728	29.51728	29.53228	29.54328	29.56828	29.57528	29.629	29.544
	S.D.	.22	.226	.238	.177	.157	.129	.96	.176	.161	.179	.226	.254	.201
	TOTAL OBS	240	225	248	240	245	240	248	248	240	248	240	247	2524

GENERAL CLIMATOLOGICAL DATA  
 METAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

72475 MCCONNELL AFB KS

77-86

STATION NAME		YEARS												AVG	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
0	MEAN	1.22	1.14	1.14	1.13	1.12	1.13	1.14	1.14	1.15	1.16	1.16	1.15	1.15	1.16
	S.D.	0.543	0.813	0.683	0.902	0.574	0.573	0.473	0.709	0.873	0.455	0.379	0.615	0.615	0.615
	TOTAL OBS	310	2-2	310	300	310	300	310	310	300	310	300	310	300	300
-	MEAN	1.22	1.19	1.14	1.13	1.12	1.12	1.13	1.14	1.15	1.16	1.17	1.16	1.16	1.16
	S.D.	0.532	0.837	0.769	0.929	0.644	0.677	0.422	0.713	0.921	0.617	0.367	0.708	0.708	0.708
	TOTAL OBS	310	2-2	310	300	310	300	310	310	300	310	300	310	300	300
.	MEAN	1.22	1.19	1.14	1.13	1.12	1.13	1.14	1.15	1.16	1.17	1.16	1.16	1.16	1.16
	S.D.	0.675	0.698	0.955	0.731	0.739	0.753	0.498	0.876	0.916	0.725	0.394	0.789	0.789	0.789
	TOTAL OBS	310	2-2	310	300	310	300	310	310	300	310	300	310	300	300
.	MEAN	1.23	1.20	1.15	1.14	1.13	1.13	1.14	1.15	1.16	1.16	1.17	1.16	1.16	1.16
	S.D.	0.708	0.66	0.976	0.745	0.765	0.815	0.504	0.881	0.945	0.687	0.367	0.708	0.708	0.708
	TOTAL OBS	310	2-2	310	300	310	300	310	310	300	310	300	310	300	300
1	MEAN	1.23	1.20	1.15	1.14	1.13	1.13	1.14	1.15	1.16	1.17	1.16	1.16	1.16	1.16
	S.D.	0.792	0.595	0.73	0.740	0.785	0.817	0.538	0.894	0.963	0.776	0.43	0.671	0.671	0.671
	TOTAL OBS	310	2-2	310	300	310	300	310	310	300	310	300	310	300	300
.	MEAN	1.21	1.11	1.13	1.12	1.11	1.11	1.12	1.13	1.14	1.15	1.16	1.16	1.16	1.16
	S.D.	0.673	0.479	0.847	0.724	0.66	0.726	0.525	0.917	0.959	0.659	0.444	0.484	0.484	0.484
	TOTAL OBS	310	2-2	310	300	310	300	310	310	300	310	300	310	300	300
.	MEAN	1.21	1.16	1.13	1.12	1.11	1.11	1.12	1.13	1.14	1.15	1.16	1.16	1.16	1.16
	S.D.	0.430	0.345	0.616	0.745	0.492	0.597	0.496	0.881	0.107	0.472	0.392	0.227	0.227	0.227
	TOTAL OBS	310	2-2	310	300	310	300	310	310	299	310	300	300	300	300
1	MEAN	1.22	1.19	1.14	1.13	1.12	1.12	1.13	1.14	1.15	1.16	1.16	1.16	1.16	1.16
	S.D.	0.59	0.434	0.552	0.769	0.376	0.474	0.463	0.715	0.973	0.386	0.363	0.208	0.208	0.208
	TOTAL OBS	310	2-2	310	2-9	310	300	310	310	300	310	300	300	300	300
ALL HOURS	MEAN	1.22	1.19	1.14	1.13	1.12	1.12	1.13	1.14	1.15	1.16	1.16	1.16	1.16	1.16
	S.D.	0.623	0.626	0.841	0.721	0.741	0.740	0.597	0.909	0.950	0.649	0.405	0.570	0.570	0.570
	TOTAL OBS	2400	2250	2400	2399	2400	2400	2400	2400	2399	2400	2400	2400	2400	2220

END

DATE  
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