

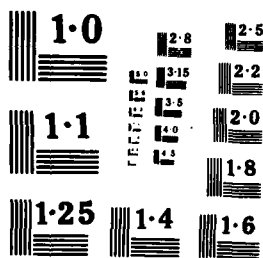
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USAFETAC/DS-85/009

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18 MAR 1985

AD-A159 613

DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

STATION DATA
SURFACE WEATHER OBSERVATIONS

FT ROCK/COMMAN AAF KY KOS 1724240
E 37 54 W 085 58 ELEV 753 FT FTK
PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: DEC 74 - NOV 84
SUMMARY OF DAY DATA: MAR 45 - NOV 84
TIME CONVERSION GMT TO LST: -5

13 MAR 1985

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

FEDERAL BUILDING
ASHEVILLE, N. C.

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UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

AD A157 613

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION Unclassified		1b. RESTRICTIVE MARKINGS	
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FIELD 04	GROUP 02	*climatology *weather Meteorological conditions	
		(continued over)	
19. ABSTRACT (Continue on reverse if necessary and identify by block number) A six-part statistical data summary of surface weather observation climatology for: FORT KNOX KENTUCKY. 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 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs) for complete descriptions of contents and instructions for use.			
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22a. NAME OF RESPONSIBLE INDIVIDUAL Mario Wakefield		22b. TELEPHONE (Include Area Code) (618) 256-2625	22c. OFFICE SYMBOL USAFETAC/LDD

DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted
All other editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE

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18. Subject terms cont.

winds	preceipitation	temperature	visibility
barometric pressure		relative humidity	
sky cover	psychrometric data	ceiling	

Revised Uniform Summary of Surface Weather Observations
RUSSWO

FORT KNOX KENTUCKY

GODMAN AAF

USKY 724240

UNCLASSIFIED

Application for
Small Group
Study
of the Bible
in the Home
of the
Church of Christ
in the
United States
of America
1954

✓

A-1



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 combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION LOCATION AND INSTRUMENTATION HISTORY

AWS MSC NO. 724240		NAME OF STATION FORT KNOX KENTUCKY/GODMAN AAF		LATITUDE N 37 54		LONGITUDE W 085 58		FIELD ELEV (FT) 753		CALL SIGN FTK		WHO NUMBER	
LOG NO.	GEOGRAPHICAL LOCATION AND NAME		TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY			
				FROM	TO			FIELD (FT)	HT BARO				
1	Godman Fld, Ft Knox Ky		AAF	Apr 38	Mar 40	N 37 54	W 085 58	732	735	9			
2	Same		Same	Jun 40	Jun 40	Same	Same	Same	Same	9			
3	Same		Same	Aug 40	Dec 41	Same	Same	Same	Same	9			
4	Same		Same	Jan 42	May 48	Same	Same	Same	Same	9			
5	Godman AFB, FT Knox KY		AFB	Jun 48	Feb 54	Same	Same	Same	Same	24			
6	Same		Same	Mar 54	Mar 55	Same	Same	753	764	24			
7	Godman AAF, Ft Knox KY		AAF	Apr 55	Feb 59	Same	Same	764	735	24			
8	Same		Same	Mar 59	Feb 64	Same	Same	753	753	24			
9	Same		Same	Mar 64	16 Jun 71	Same	Same	753	785	24			
10	Same		Same	17 Jun 71	Dec 74	Same	Same	Same	Same	10			
11	Same		Same	Jan 75	Jan 79	Same	Same	Same	Same	24			
12	Same		Same	Feb 79	Dec 80	Same	Same	Same	Same	17			
13	Same		Same	Jan 81	Apr 82	Same	Same	753	735	18			
14	Same		Same	May 82	Oct 82	Same	Same	Same	Same	10			
15	Same		Same	Nov 82	Dec 84	Same	Same	Same	735*	24			

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

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.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
U.S. WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION FT KNOX/GOOMAY AAF KY

75-84

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	01-12	.5	0.4	1.6	13.6		22.1	19.2	3.5	.6		22.6	593
	03-06	.5	10.1	1.7	14.2		24.6	19.7	2.3	.6		22.1	605
	06-09	.1	0.5	1.6	13.5		23.5	24.9	4.5	1.2		24.9	427
	09-11	.1	4.1	1.5	16.3		25.7	24.9	6.3	1.7		21.4	368
	11-14	.1	1.2	.7	14.6		23.4	19.4	5.7	1.4		25.6	588
	14-17	.1	7.3	.3	13.7		20.8	17.5	5.6	1.2		21.1	365
	17-20		7.3		12.1		18.7	20.5	4.4	1.4		25.5	411
	21-23	.2	7.4	.8	12.2		19.3	19.7	2.8	1.7		20.4	761
TOTALS		.2	6.2	1.1	13.7		22.4	20.7	4.5	1.2		23.4	6262

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

000000 FT KNOX/OLMAN AAF KY
STATION STATION NAME

75-84

YEARS

FE.
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-01	1.3	10.9		0.1		10.0	13.2	3.0			14.0	435
	03-05	1.2	7.9	.2	9.1		10.6	15.4	4.3	.1		14.1	425
	06-08	.3	7.9	1.4	9.9		10.0	20.0	7.0			20.0	756
	09-11		7.9	.1	11.3		10.0	22.0	12.1	.1		21.0	843
	12-14	.4	8.3		7.4		10.7	14.9	10.7	.1		23.0	847
	15-17	.5	7.0		0.0		10.0	11.0	6.4	.1		18.0	843
	18-20	.6	10.2		7.3		17.0	14.4	5.0	.3		18.9	798
	21-23	.2	10.5	.3	7.4		17.0	14.7	5.0			18.0	741
TOTALS		.6	7.2	.3	0.4		17.0	16.6	6.7	.1		21.0	5724

WEATHER CONDITIONS

7-54

YEARS

MONTH

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
12	37-72	1.7	10.3	.4	3.4		19.4	15.7	3.4			17.4	485
1	37-72	1.7	10.3	.6	4.3		19.6	14.3	.8			18.4	485
2	37-72	.7	11.3	.8	4.2		18.6	20.3	3.1			20.3	79
3	37-72	.6	11.4	.1	4.7		19.1	19.3	4.2	.1		20.3	73
4	37-72	.2	.4	.2	1.1		14.1	11.3	4.7	.2		17.3	73
5	37-72	.4	4.3		7.7		13.7	11.2	3.7	.1		14.2	63
6	37-72	1.4	11.6	.1	4.6	.1	15.4	14.3	2.3	.1		17.6	77
7	37-72	1.2	10.2	.1	4.3	.1	17.4	14.3	1.3	.1		18.1	77
TOTALS		1.2	12.9	.3	4.4	.1	17.1	16.2	4.2	.1		18.1	609

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH

APPROXIMATE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS.

MONTH	HOURS ILST	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	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
2-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
3-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
4-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
5-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
6-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
7-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
8-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
9-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
10-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
11-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
12-1	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40
TOTALS	1.0	1.0	1.0		1.0		1.0	1.0	1.0			1.0	40

LOCAL CLIMATOLOGY BRANCH
 WAFETAS
 AIR WEATHER SERVICE/MAJ

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

104240 FI KNOX/20 JAN AAF KY
 STATION NAME

45-04

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
4			1.00	1.11	1.05	1.42	1.56	.74	.92	2.04	1.19	.74	
46	1.73	2.16		.48	1.16	1.09	1.45	1.61*	1.08	1.71	2.12	1.23	
47	1.43	.25	.80	1.41	1.13	1.68	1.31	1.07	1.10	1.72	.49	.07	1.08
48	1.74	1.86	2.01	2.47	.67	.53	1.44	1.89	.97	1.10	2.82	.17	3.47
49	1.71	1.56	2.72	.56	.79	1.79	2.72	2.32	.58	2.02	.46	2.57	2.07
50	2.00	2.39	1.46	1.39	1.41	2.20	1.90	1.40	1.43	.50	1.25	1.15	2.39
51	2.71	1.37	.97	.47	.82	.51	1.20	1.51	1.94	1.45	1.41	1.68	2.71
52	1.30	.82	2.24	.49	.98	1.29	.48	1.20	.90	.46	.73	2.10	2.24
53	.73	.90	2.71	1.23	1.14	2.34	1.68	.37	.74	.75	1.22	1.01	3.01
54	1.70	1.31	.53	.78	.56	1.00	.75	1.64	2.12	1.91	.05	1.45	2.10
55	.92	1.41	1.35	1.80	2.29	1.38	1.52	.90	1.61	1.22	1.69	.43	2.29
56	1.79	1.25	1.77	1.25	.74	1.56	1.31	.78	.77	1.74	.95	.95	1.77
57	1.70	.7	.44	1.10	2.24	2.06	2.56	1.23	.62	1.92	3.20	1.10	3.20
58	.70	.31	1.14	.86	.50	1.35	2.00	.75	3.95	1.56	.82	.83	3.95
59	1.60	.89	.67	.50	1.20	.73	2.65	.95	1.24	1.71	.54	1.22	2.65
60	1.27	1.20	.81	.84	1.12	2.51	1.49	2.68	1.19	.93	1.75	.88	3.51
61	.54	1.46	1.79	1.64	2.51	1.52	1.11	1.45	.76	1.61	1.17	.94	2.51
62	.07	1.81	1.13	.45	1.47	1.23	1.11	1.51	2.58	3.69	.89	1.08	3.69
63	.20	.48	1.86	.93	.63	1.79	1.42	1.44	.72	.10	.63	.48	1.86
64	.61	.81	4.77	1.45	1.30	.96	1.76	1.05	2.00	.14	1.24	1.76	4.77
65	.93	1.03	1.36	.86	.45	1.30	1.48	.71	3.68	.67	.59	.87	3.68
66	1.94	1.76	.33	2.60	.63	.44	.91	1.13	.65	.74	1.70	1.61	2.60
67	.64	.67	1.77	1.00	1.77	1.95	.33	3.16	.80	.06	1.77	1.15	3.16
68	.31	.49	1.60	2.17	2.42	.35	1.31	1.52	1.05	.45	1.57	1.22	2.42
69	1.23	.35	.71	1.19*	1.00	.96	2.89	2.33	.75	.67	.93	1.21	2.89
70	.40	1.39	1.10	4.16	1.50	2.72	1.53	1.40	3.61	1.72	.61	2.73	4.16
71	1.15	1.46	.55	.80	1.75	1.81	1.84	1.59	1.44	.80	.47	.72	1.84
72	.71	1.03	.95	3.16	1.83	.77	1.78	.50	.49	2.73*	1.53*	2.47	3.16
73	.64	.61	1.23*	.82	.98	1.98	2.66*	.49*	1.10*	1.23*	2.56*	1.32	2.56
74	2.95*	.88*	2.30*	.74*	1.40	.51	1.20	1.68	.66	1.77	.76*	1.43	2.95
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

724240
STATION

FI KNOX/GODMAN AAF KY
STATION NAME

45-84

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	41.0	21.6	3.9	7.9	4.6	6.2	6.4	4.9	3.3	.2				37.4	1135	3.73	14.67	.67
FEB	43.4	19.8	3.0	7.2	5.4	7.3	5.5	5.1	3.0	.2				36.8	1091	3.64	8.80	.70
MAR	42.6	16.9	3.2	6.7	4.4	8.9	7.3	6.8	2.9	.3				40.5	1199	4.59	12.63	1.14
APR	46.0	15.1	2.5	7.2	5.4	6.8	6.9	6.2	3.2	.4				38.6	1175	4.33	10.85	.88
MAY	52.6	12.4	3.1	4.9	4.0	5.9	6.9	7.1	2.9	.2				35.0	1233	4.17	11.73	.77
JUN	56.7	10.7	2.3	4.6	3.3	6.2	6.7	6.2	2.9	.2				32.5	1200	4.05	10.47	.97
JUL	58.4	9.9	2.1	6.0	3.4	4.6	5.9	4.9	4.4	.5				31.7	1236	4.55	9.56	.72
AUG	63.8	10.0	1.5	4.5	2.6	5.2	4.9	4.1	3.2	.2				26.2	1234	3.62	9.52	.87
SEP	65.6	10.5	1.4	3.9	2.3	4.7	4.3	4.7	2.0	.5				23.9	1186	3.27	12.41	.03
OCT	66.0	9.4	2.2	4.9	2.5	5.3	3.8	3.6	2.0	.2				24.6	1229	2.87	7.22	.10
NOV	52.8	13.9	3.0	6.3	3.3	7.0	4.6	5.8	3.0	.3				33.3	1106	3.66	8.93	.69
DEC	45.1	19.0	4.0	6.6	4.4	7.1	5.2	4.9	3.5	.3				35.9	1183	3.81	10.82	.77
ANNUAL	52.8	14.1	2.7	5.9	3.8	6.3	5.7	5.4	3.0	.3				33.0	14337	46.22		

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

- * 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; 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.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WTA WEATHER SERVICE/MAO

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

104240 FT KNOX/DODMAN AAF KY

49-84

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	3.6	76.8	6.0	32.9		17.5	44.8	45.2	3.2		43.7	1092
FEB		5.3	39.1	2.1	25.3	.3	54.7	43.5	47.3	1.7		41.4	1096
MAR		10.0	45.9	1.6	17.0	.7	55.6	35.2	41.0	1.0		55.6	1175
APR		11.3	71.2		4.0	.5	52.0	31.1	36.3		.1	44.0	1071
MAY		71.1	45.1			.9	45.0	37.3	29.4			47.5	1107
JUN		25.5	40.3			.2	40.0	43.6	43.1			56.0	1090
JUL		29.3	41.2			.3	41.2	52.5	54.0			46.0	1112
AUG		22.0	35.5			.2	35.6	57.4	61.0			70.0	1110
SEP		12.5	33.0			.2	33.0	51.3	53.4			45.0	1067
OCT		5.1	33.0		.0	.3	33.2	43.3	43.7			58.5	1100
NOV		5.3	35.7	.3	12.7	.3	45.5	38.7	37.5	.0		54.4	1046
DEC		0.7	39.5	2.9	22.6	.2	43.6	40.1	40.0	1.0		57.2	1059
TOTALS		18.2	40.0	1.1	9.6	.4	45.5	43.5	43.3	.0	.1	55.5	10991

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

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

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LOCAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04240 STATION 74-84 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.2	8.2	1.1	13.7		22.4	20.7	4.3	1.1		25.4	6252
FEB		.6	9.2	.3	8.4		17.8	16.6	6.9	.1		21.8	5726
MAR		1.3	12.9	.3	4.4	.2	17.1	15.2	4.1	.1		19.2	6295
APR		1.4	15.5		.6	.2	13.4	3.8	2.8			11.1	6096
MAY		3.0	15.1				10.1	13.0	6.6			14.9	6245
JUN		2.6	5.3				8.2	14.0	71.4			71.2	6291
JUL		2.9	4.6				4.6	16.1	71.4			40.0	6765
AUG		3.0	4.7				4.7	22.4	27.9			44.8	6401
SEP		1.1	6.5				6.5	23.7	19.6			37.2	6345
OCT		.3	9.7				9.7	20.2	5.6			24.1	6601
NOV		.4	12.6	.1	1.9	.0	14.4	16.3	4.0	.0		19.0	6272
DEC		.3	13.0	.6	6.0		20.0	16.6	2.1	.1		18.2	5657
TOTALS		1.4	9.2	.2	2.9	.2	12.1	17.1	11.0	.1		20.1	74659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

74-247
STATION

FT KNOX/GRUMAN AAF KY
STATION NAME

74-83

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01-02	.0	13.1	1.2	9.7		23.5	16.1	1.4			16.7	497
	03-05	.0	13.3	1.4	8.5		23.2	17.2	.0			17.0	495
	06-08	.5	14.6	.9	4.9		19.6	21.0	.9	.1		22.1	748
	09-11		14.5	.5	5.5		20.2	20.3	4.3	.3		24.1	885
	12-14		13.8		4.9		18.5	16.0	3.7	.3		18.9	883
	15-17		14.0		4.2		17.9	14.5	3.4	.1		16.0	865
	18-20	.3	13.0		4.5		17.3	14.2	1.5			15.5	645
	21-23	.2	12.7	.6	7.1		19.5	13.8	.0			14.1	615
TOTALS		.3	13.6	.6	6.2		20.0	16.6	2.1	.1		18.2	5657

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

104240 STATION FT KNOX/BOOMAN AAF KY 75-84 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-04	.5	12.9		1.1	.2	14.5	14.6	1.5			16.1	622
	05-09	.6	12.6		2.1		14.7	17.6	1.5			19.3	615
	10-14	.6	14.4	.4	2.1		15.7	24.8	2.9			26.4	815
	15-19	.1	12.5		1.7		14.4	21.1	7.5			25.4	877
	20-24	.2	15.7		2.2		12.6	11.7	6.7	.1		17.3	871
	25-29	.3	11.7		2.3		13.6	13.4	5.6			15.4	872
	30-31	.4	13.2		2.2		15.3	15.3	4.6			15.7	819
	41-23	.6	12.3		1.1		14.5	15.0	3.5			16.2	705
TOTALS		.4	12.6	.1	1.9	.3	14.4	16.3	4.3	.2		14.5	6272

LIBERAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

704240 STATION FT KNOX/BODMAN AAF KY 75-34 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01-01	.5	18.2				18.2	25.0	3.4			27.0	650
	01-01	.1	18.5				18.5	30.1	2.2			31.0	722
	01-02	.4	11.7				11.9	34.7	4.8			37.4	891
	01-11	.3	18.0				18.2	22.3	5.6			26.6	922
	12-14	.1	8.3				8.0	11.3	7.0			17.5	924
	12-17	.4	8.8				9.2	9.6	5.0			15.1	912
	12-20	.5	8.3				8.0	12.3	7.3			16.3	877
	21-24		7.5				7.1	15.5	6.1			16.4	703
TOTALS		.3	10.7				9.7	20.2	5.3			24.1	6601

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

04040 FT KNOX/JOE MAN AAF KY

75-84

STATION

STATION NAME

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-23	.5	5.2				5.5	27.5	15.5			7.5	597
	03-05	.5	5.5				5.5	42.5	15.5			45.5	675
	06-08	1.1	5.4				5.4	52.5	25.5			55.5	807
	09-11	.4	5.8				5.5	21.5	22.5			71.7	991
	12-14	1.5	5.1				5.1	9.4	15.7			75.5	891
	15-17	1.6	5.5				5.5	5.9	11.2			57.1	572
	18-20	1.3	5.7				5.7	11.5	22.5			75.5	937
	21-23	1.6	5.5				5.5	11.7	19.5			72.5	769
TOTALS		1.1	5.5				5.5	23.7	15.5			77.7	6345

WEATHER CONDITION

75-54

YEARS

435
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
4-7	07-02	3.0	3.2				3.2	27.3	10.0			41.0	55
	08-05	2.0	3.1				5.1	42.0	17.0			51.0	65
	09-10	2.2	4.7				4.7	56.6	25.0			60.0	72
	09-11	1.9	4.7				4.7	19.6	37.0			50.0	93
	10-14	2.3	3.3				5.5	6.6	22.4			27.1	93
	15-17	3.2	3.4				3.4	3.7	22.4			30.0	90
	18-20	3.2	3.6				3.6	6.6	22.4			30.0	84
	21-23	3.5	3.2				3.2	16.7	25.0			27.0	71
TOTALS		20.1	4.7				4.7	22.4	27.9			44.0	640

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LEGAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAO

WEATHER CONDITION

STATION 75-24 STATION NAME FT. MONROE/ARMY AAF KY YEARS 30 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01-01	1.7	3.3				1.3	14.3	23.9			71.3	545
	02-01	.8	4.3				4.3	34.4	22.4			44.1	544
	03-01	1.4	6.1				6.1	32.9	23.0			48.4	965
	04-01	1.3	5.9				5.9	11.0	18.4			27.6	967
	05-01	1.4	5.9				5.9	5.3	17.1			21.1	967
	06-01	4.3	5.3				5.3	1.7	17.6			18.1	984
	07-01	5.9	6.2				6.2	4.5	21.2			24.2	852
	08-01	3.6	5.4				5.4	6.7	24.2			26.3	707
TOTALS		2.6	5.3				5.3	14.3	21.4			71.1	6291

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAO

WEATHER CONDITIONS

STATION FT KNOX/CLAYMAN AFB KY

75-76

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-01	1.1	8.3				1.1	1.1	7.5			1.1	473
	02-03	3.7	10.5				1.1	10.5	4.5			1.1	511
	04-05	2.4	10.3				1.1	27.1	14.1			1.1	564
	06-07	1.1	10.3				1.1	11.3	11.1			1.1	524
	08-09	1.7	9.3				1.1	7.3	6.4			1.1	524
	10-11	2.3	10.3				1.1	6.3	4.1			1.1	504
	12-01	3.3	10.3				1.1	6.3	7.3			1.1	564
	01-02	3.7	10.3				1.1	6.7	7.3			1.1	677
TOTALS		1.1	10.1				10.1	13.3	7.3			1.1	524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUE

PRECIPITATION

FROM DAILY OBSERVATIONS

724242 FI KNOX/GOV. MAN AAF KY
STATION STATION NAME

45-64

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
75	* 1.64	3.66	2.34	1.40	.58	1.06	.61	.52	.91	3.58*	1.52*	1.27	3.6
76	* 1.69	2.14	1.94	.43	.81	.98	1.54	.96	1.27	1.24	.44*	.41	3.1
77	* .55	.75	1.64	1.45	.37	1.51	1.34	2.39	.78	3.29	1.20*	1.52	3.2
78	* 1.45	.28	.76	1.02	1.24	.87	1.93	2.85	.42	.76	1.78*	4.52	* 4.6
79	* 1.29	.98	1.11	2.24	.93	2.12	3.56	1.35	4.41	.95	1.75*	1.58	4.4
80	* .94	.34	1.17	.77	1.84	.78	2.26	.84*	1.02*	.91*	1.17*	.51	2.2
81	* .23*	.82	.65	1.11*	1.93	.61*	1.44	1.57*	1.72*	1.23*	.55*	1.23	* 1.6
82	* 1.47*	.72	.76	1.33*	.92	1.66*	1.32	1.18*	1.66	.62	1.57	1.83	1.5
83	.99	.62	.76	2.85	3.93	1.86	.43	1.17	.47	2.37	2.04	1.54	3.6
84	.31	.69	.90	1.22	1.99	.80*	2.55	1.03	2.04	.52	1.14		
MEAN	1.098	1.197	1.374	1.368	1.307	1.397	1.617	1.432	1.345	1.370	1.244	1.196	2.28
S D	.577	.782	.828	.881	.748	.729	.692	.653	1.006	.873	.662	.553	.66
TOTAL OBS	1185	1091	1199	1175	1233	1200	1236	1234	1186	1279	1186	1183	1433

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

724242 FT KNOX/CODMAN AAF KY
STATION

45-84

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4				9.66	4.44	4.73	8.10	3.90	2.00	1.42	2.60	3.30	1.11	
46		2.90	6.18		5.80	4.85	2.79	5.20	3.81*	2.54	2.12	3.54	4.42	
47		4.36	8.7	2.70	6.12	4.77	5.60	6.11	2.86	2.60	2.20	2.36	2.85	42.81
48		2.12	5.66	3.93	6.57	1.66	2.58	4.64	2.37	2.56	2.74	7.23	7.10	43.98
49		9.66	4.64	6.33	2.98	2.00	5.66	5.94	4.98	1.37	4.23	2.10	6.73	55.59
50		14.67	6.51	4.13	4.15	5.68	5.90	8.09	4.24	4.17	.94	5.03	2.30	65.87
51		9.14	3.97	4.80	1.72	2.76	3.09	2.88	4.26	3.96	2.58	5.19	4.75	46.40
52		4.85	2.54	6.94	1.59	2.18	2.78	.72	2.43	1.96	1.72	2.45	6.13	39.54
53		3.88	1.60	6.26	4.40	4.62	2.68	2.76	1.06	.88	.87	1.60	2.72	32.48
54		4.06	2.13	1.69	2.87	2.56	2.23	1.47	5.43	3.79	3.67	1.02	5.55	35.77
55		2.15	8.80	5.14	5.06	6.51	4.45	4.84	1.87	3.12	2.48	3.77	1.68	49.27
56		3.71	7.94	4.23	.20	3.69	3.58	4.24	2.40	1.61	2.14	2.30	2.3	41.54
57		4.10	3.17	1.91	4.27	5.67	6.40	4.22	1.26	2.40	2.53	5.93	4.10	48.92
58		2.96	1.22	2.84	4.19	2.41	5.05	8.72	3.56	4.82	2.74	2.44	1.15	42.13
59		5.43	2.02	2.59	1.97	5.84	.27	6.09	3.16	1.71	4.61	3.28	5.79	42.31
60		2.34	4.49	2.76	1.49	3.44	10.47	2.79	4.23	3.30	2.76	4.31	3.13	44.65
61		1.35	4.49	7.04	4.13	6.07	3.01	3.03	4.66	.98	1.89	4.46	3.35	46.31
62		3.65	6.37	3.92	1.26	3.76	4.06	2.64	2.54	9.01	5.90	2.43	2.14	46.73
63		.92	1.11	7.31	1.74	2.62	2.96	6.78	3.81	.50	.10	1.97	1.23	29.48
64		2.47	1.49	12.63	5.03	3.00	2.77	3.39	1.86	3.38	.18	3.22	7.74	47.16
65		3.30	4.34	4.53	3.67	.77	5.07	4.54	1.41	8.16	2.91	1.37	.77	39.90
66		5.50	4.64	1.14	7.79	2.15	1.75	2.03	3.42	2.71	2.20	4.46	6.10	43.27
67		1.57	2.47	4.59	4.18	5.18	3.75	5.08	7.63	2.20	2.51	3.54	4.46	48.26
68		1.70	1.20	6.34	3.77	5.50	2.85	3.85	3.90	3.65	.99	3.31	4.14	41.30
69		5.17	1.35	2.70	4.32*	3.96	4.30	5.30	4.23	.56	1.93	2.99	3.43	42.45
70		1.11	2.76	3.24	9.94	3.96	7.35	4.43	3.65	5.90	5.30	1.61	5.04	54.39
71		2.15	5.32	2.38	1.74	4.19	5.67	5.40	4.87	3.70	1.61	1.74	3.79	42.24
72		7.27	6.68	4.29	17.55	4.05	2.20	2.92	1.63	2.31	5.56*	5.51*	5.94	55.21
73		*.14	1.70	6.20*	5.63	5.11	4.90	7.50*	.87*	2.04*	2.91*	5.11*	2.50*	49.51
74		*7.24*	1.96*	5.76*	3.52*	5.97	2.44	1.59	6.86	3.84	3.16	2.92*	3.98	40.56
MEAN														
SD														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS.

224242 F.I. KNOX/62L MAN 3AF MY
STATION STATION NAME

45-54

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

724240 STATION FT KNOX/GODMAN AAF KY

46-84

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	67.1	18.2	5.7	4.1	2.5	1.2	.4	.5	.3					14.7	1185	4.8	24.5	TRACE
FEB	73.1	15.3	4.4	4.0	1.2	1.0	.4	.5	.1					11.5	1091	4.2	13.0	TRACE
MAR	82.1	10.9	3.0	2.0	.9	.3	.3	.3	.3					7.0	1167	2.7	19.1	TRACE
APR	96.2	3.0	.5	.3										.8	1145	.1	1.0	.3
MAY	100.0														1202	.0	.0	.3
JUN	100.0														1170	.0	.0	.3
JUL	100.0														1209	.0	.0	.0
AUG	100.0														1203	.0	.0	.0
SEP	100.0														1156	.0	.0	.0
OCT	99.4	.6													1198	TRACE	TRACE	.3
NOV	88.2	8.9	1.1	.9	.5		.1	.2		.1				2.9	1156	1.5	17.5	.3
DEC	77.9	15.5	2.9	2.5	.5	.3	.3	.1						6.6	1152	2.1	11.1	.0
ANNUAL	93.3	6.0	1.5	1.1	.5	.2	.1	.1	.1	.0				3.6	14030	15.4		

FORM 0-15.5 (OL A)
OCT 75

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

724240 FT KNOX/COLEMAN AAF KY
STATION STATION NAME

46-84

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
46	TRACE	2.5	*	.0	.0	.0	.0	.0*	.0	.0	.0	.7	
47	2.0	1.5	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
48	3.9	6.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	6.1
49	2.9	TRACE	.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	3.0
50	TRACE	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	2.0	2.0	7.0
51	2.0	6.0	3.9	TRACE	.0	.0	.0	.0	.0	.0	3.9	1.6	6.0
52	.4	1.4	.2	TRACE	.0	.0	.0	.0	.0	TRACE	2.0	2.2	2.0
53	4.0	TRACE	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	4.0
54	2.8	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.3	2.8	2.8
55	3.3	.9	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	3.3
56	6.4	TRACE	1.4	TRACE	.0	.0	.0	.0	.0	.0	1.3	TRACE	6.4
57	1.1	TRACE	3.2	TRACE	.0	.0	.0	.0	.0	TRACE	1.4	1.0	3.2
58	3.9	2.6	6.3	.0	.0	.0	.0	.0	.0	.0	4.0	.1	6.3
59	3.7	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	.9	.2	3.7
60	.3	3.9	6.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.9	9.1
61	1.4	9.2	TRACE	.8	.0	.0	.0	.0	.0	.0	TRACE	.6	9.2
62	1.0	2.1	1.0	.2	.0	.0	.0	.0	.0	TRACE	TRACE	.0	2.1
63	2.3	2.8	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.8	3.8
64	6.1	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.9	TRACE	6.1
65	5.1	2.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.1
66	4.0	4.9	3.0	TRACE	.0	.0	.0	.0	.0	.0	14.3	.9	14.3
67	.5	4.2	5.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2	5.0
68	4.9	.1*	9.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	* 9.0
69	3.0	3.0	.8	.0*	.0	.0	.0	.0	.0	.0	.3	3.0	3.0
70	2.3	3.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3	3.1
71	1.1	4.2	1.8	TRACE	.0	.0	.0	.0	.0	.0	2.0	TRACE	4.2
72	2.4	1.6	1.8	TRACE	.0	.0	.0	.0	.0	.0*	1.7*	.8	2.4
73	* .3	3.1	1.3*	.8	.0	.0	.0*	.0*	.0*	.0*	.0*	1.0	3.1
74	* 1.5*	1.3*	1.2*	TRACE*	.0	.0	.0	.0	.0	.0	TRACE*	1.3*	* 1.6
75	* .7	.5	4.2	TRACE	.0	.0	.0	.0	.0	.0*	TRACE*	TRACE	4.2
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

EXTREME VALUES

SNOW-FALL

FROM DAILY OBSERVATIONS

724241 .. FT KNOX/LODMAN AAF KY
STATION STATION NAME

45-54

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION 704247 FT KNOX/GOODMAN AAF KY

46-54

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	TRACE	2.5	* .0	.0	.0	.0	.0	.0*	.0	.0	.0	.7	
47	2.0	6.5	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.2
48	8.5	13.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0	23.3
49	3.4	TRACE	.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	7.4
50	TRACE	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	2.6	3.0	5.7
51	5.1	7.4	6.9	TRACE	.0	.0	.0	.0	.0	.0	3.5	2.4	25.3
52	.5	2.5	.2	TRACE	.0	.0	.0	.0	.0	TRACE	2.0	3.1	8.4
53	5.9	TRACE	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.5	10.8
54	2.8	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.3	2.0	5.8
55	10.0	1.3	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	12.8
56	12.0	TRACE	2.2	TRACE	.0	.0	.0	.0	.0	.0	1.5	TRACE	15.2
57	2.2	TRACE	3.2	TRACE	.0	.0	.0	.0	.0	TRACE	1.4	1.4	8.3
58	6.1	5.5	9.3	.0	.0	.0	.0	.0	.0	.0	5.1	.1	24.1
59	5.7	TRACE	.8	.0	.0	.0	.0	.0	.0	.0	1.1	.3	7.9
60	1.1	11.6	19.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	11.1	42.9
61	3.3	11.3	TRACE	.9	.0	.0	.0	.0	.0	TRACE	.6	3.0	19.6
62	4.2	3.8	2.4	.2	.0	.0	.0	.0	.0	TRACE	TRACE	2.1	12.7
63	3.3	3.9	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.1	13.4
64	11.1	2.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.0	TRACE	15.2
65	14.1	3.9	4.8	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	22.7
66	6.7	5.4	3.7	TRACE	.0	.0	.0	.0	.0	.0	17.5	1.2	34.7
67	1.1	10.6	6.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.3	19.5
68	13.1	.1*	9.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	* 19.3
69	3.0	6.3	.8	.0*	.0	.0	.0	.0	.0	.0	.3	6.4	* 16.8
70	6.3	4.3	3.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3	14.8
71	1.3	5.3	4.0	TRACE	.0	.0	.0	.0	.0	.0	3.5	TRACE	18.1
72	2.8	3.4	1.3	TRACE	.0	.0	.0	.0	.0	.0	* 2.3*	.4	* 11.1
73	* .7	4.2	1.3*	1.0	.0	.0	.0*	.0*	.0*	.0*	.0*	2.1	* 9.5
74	* 1.0*	2.0*	1.2*	TRACE*	.0	.0	.0	.0	.0	.0	TRACE*	2.7*	* 7.5
75	* 2.3	1.0	5.7	TRACE	.0	.0	.0	.0	.0	.0	* TRACE*	TRACE	* 9.2
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (TRACED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OIA)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

124242 FT KNOX/LOLMAN AAF KY
STATION STATION NAME

46-84

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

724240 STATION FT KNOX/GODMAN AAF KY

45-84

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	69.2	9.6	6.2	4.7	3.3	5.1	1.4	.4						21.2	1185			
FEB	75.3	7.7	4.1	3.8	2.7	5.7	.7							17.0	1091			
MAR	90.7	3.9	1.5	1.3	.6	1.3	.8							9.4	1199			
APR	99.3	.5	.2											.2	1175			
MAY	100.0														1233			
JUN	100.0														1200			
JUL	100.0														1236			
AUG	100.0														1234			
SEP	100.0														1186			
OCT	100.0														1229			
NOV	96.2	1.5	1.0	.7	.4		.1	.1						2.3	1186			
DEC	47.1	7.3	3.0	.9	.8	.9								5.7	1183			
ANNUAL	93.1	2.5	1.3	.9	.6	1.1	.2	.0						4.3	14337			

USAFETAC FORM 0-15.5 (OL A)
OCT 75

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 ETAC
 AIR FATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

STATION FT KNOX/GOODMAN AAF KY

45-54

YEARS

DAILY SNOW DEPTH IN INCHES

	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR														
46														
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EXTREME VALUES

040, 276TH

FROM DAILY OBSERVATIONS

704242 STATION FI KMDA/GOLDMAN AAF KY STATION NAME

45-54

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NOT: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

✓

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 July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 CRAFTAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

10-FACE WINDS

FROM DAILY OBSERVATIONS

124242 FT KNOX/RODMAN AAF KY
 STATION

45-24

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
46					SSW#32W	37VNW	42WNW	50WSW	20W	70VW	78W	7	
47	SSW 43SW	43WSW	56SSW	39W	36N	29VNW	52SSW	44W	32W	44SSW	28WNW	30	WSW 58
48	WSW 43W	36SW	41VNW	38SW	42W	40W	30N	34SW	26WSW	29W	47W	71	SW 61
49	W 52SW	46W	42W	44SW	39W	36SW	32W	58W	*73W	*73W	*75W	*17	W 54
50	SW *79SW	*37SW	*44S	*41W	36WSW	43SW	37SW	19SW	*43W	73WSW	*42W	75	SW *44
51	WSW 36WNW	76SSW	45W	*38WNW	59S	35SW	43W	61S	*70WNW	71S	43W	40	W 60
52	S 42W	49WSW	*44WNW	*27W	*32W	*11	NNW	20W	*40NNW	*70SSW	45WSW	4	W 60
53	NNW 37W	42W	43WSW	54WNW	44VNW	41SW	49W	32SSW	34WSW	71W	33WSW	43	W 64
54	S 36WNW	*32WSW	78SW	61WSW	52WSW	45W	*27N	37VNW	36SW	75W	35WSW	41	S 61
55	WSW 30SW	33WSW	52SW	41W	43WSW	35ENE	39WSW	29WNW	35WSW	72W	77W	22	WSW 50
56	WSW 33W	56WSW	46WSW	39W	30ENE	30WSW	42WNW	73WSW	40WNW	71W	43W	71	W 54
57	WSW 43SSW	36W	40VNW	56W	42SW	56WSW	49S	33SSW	27SSW	29WSW	41W	75	W 54
58	S 34W	30ENE	28W	49WSW	38SSW	32WSW	78S	48W	73WNW	74WSW	70SSW	11	W 49
59	SSW 47SW	40SW	45WNW	49W	35WSW	30SW	30SW	30VNW	25W	79SSW	44VNW	70	W 49
60	VNW 36WSW	45WNW	36W	42W	52NNW	31W	75ESE	43W	20WSW	70WSW	40VNW	51	N 50
61	W 31W	43SW	40VNW	47VNW	40WSW	35WSW	30ESE	28SSW	70VNW	77S	39WSW	70	NNW 47
62	W 29WSW	40WSW	50WNW	56W	78WSW	34NW	75SSW	71S	28W	70W	73W	71	W 54
63	S 70W	33SSW	78VNW	46WSW	32VNW	37VNW	34W	26W	24W	71S	76W	70	W 45
64	WSW 46WNW	*31WSW	42WNW	73WSW	72WNW	32VNW	32W	75W	20SW	79S	73W	71	WSW 44
65	WSW 42W	38SW	37SW	35SSW	72W	42W	32SW	73WSW	34WSW	40W	43W	42	W 43
66	S 27W	36WSW	35W	78SW	28SSW	26W	40ESE	29SW	70W	77S	29SW	70	W 47
67	S 43W	50SW	72SW	36W	40NW	29WNW	30W	21WSW	23WSW	43WNW	29WSW	76	W 50
68	W 26SW	40SW	32SW	41SW	31SW	2734/	3632/	2917/	2621/	7323/	3404/	44	24/ 44
69	16/ 4074/	3327/	4429/	3130/	5630/	7227/	5133/	4012/	2513/	7729/	3224/	7	3/ 56
70	21/ 4136/	3324/	5621/	5032/	7624/	2324/	42 3/	3420/	2626/	7222/	5627/	73	24/ 56
71	25/ 4175/	3926/	4130/	3926/	4231/	2630/	7429/	2821*	2121/	7426/	27 4/	54	24/ 54
72	24* 3923/	3925/	7829/	4415/	7227/	3122/	29 3/	4234/	30 7/	3522/	7216/	41	29/ 44
73	72/ 4214/	4016/	5222/	4124/	3427/	5022/	4529*	2314*	2624*	7627/	4021*	57	21* 57
74	75* 7524*	4415*	3326*	4415*	3621/	7126/	26 7/	2123/	3220/	7121/	4517/	78	21/ 45
75	72/ 4425/	3223/	4627/	4624/	3630/	2821/	39 3/	7622/	3936/	7226/	4722*	70	22/ 49
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

LIPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

44240 FT KNOX/LOWMAN AAF KY
STATION STATION NAME

46-34 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
76	30/ 5472/ 4271/ 4671/ 4026/ 4022/ 4024/ 2424/ 30 7/ 2075/ 3001/ 3005/ 31												30/ 59
77	27/ 4617/ 4220/ 4625/ 3621/ 3230/ 38 1/ 3121/ 4926/ 37 4/ 4126/ 3124/ 31												31/ 49
78	32/ 46 9/ 4216/ 3622/ 3227/ 3504/ 3930/ 30 1/ 2819/ 2424/ 2801/ 3337/ 22												32/ 46
79	27/ 34 5/ 3917/ 4027/ 3419/ 3024/ 3421/ 3122/ 28 2/ 3024/ 36 4/ 3724/ 30												17/ 47
80	19/ 3006/ 4013/ 3423/ 4124/ 3326/ 3430/ 4521/ 3427/ 3524/ 3321/ 2736/ 28												31/ 48
81	30/ 2626/ 3615/ 3571/ 4523/ 3824/ 6029/ 4624/ 2529/ 3325/ 3516/ 2604/ 31												24/ 60
82	22/ 3726/ 2916/ 4076/ 4525/ 3023/ 4025/ 2626/ 1926/ 3219/ 2616/ 3415/ 36												26/ 45
83	31/ 3471/ 2727/ 3626/ 3622/ 3925/ 2531/ 3315/ 2632/ 2433/ 1420/ 2227/ 31												22/ 38
84	27/ 3571/ 3426/ 4020/ 3527/ 2724/ 2222/ 2626/ 2318/ 2223/ 2227/ 31												
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95													
96													
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MEAN	39.4	38.1	41.3	42.1	37.8	36.3	39.7	33.7	29.2	32.3	37.3	36.2	36.9
S D	7.22	7.186	8.095	7.603	9.019	8.242	7.876	10.099	5.456	5.853	7.074	7.5 7	6.188
TOTAL OBS	1141	1034	1133	1094	1187	1129	1156	1180	1104	1176	1134	1009	13574

NOTES: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

3 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

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

SURFACE WINDS

124240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS FEB MONTH 1900-1400 HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.9	2.0	.2								5.0	6.2
NNE	.4	.8	1.8	.9	.2							4.2	8.6
NE	.2	1.2	.8	.2								2.5	6.7
ENE	.8	.9	1.4	.5	.1							3.8	7.2
E	1.1	3.0	1.4	.4	.1							5.9	5.8
ESE	1.2	1.8	.9	.1								4.0	5.1
SE	.8	1.1	.5									2.4	4.5
SSE	1.3	.6	.6	.7		.2						3.4	7.6
S	1.9	2.6	3.3	1.2	.4							9.4	7.4
SSW	1.1	2.6	4.0	2.7	.7	.1						11.3	9.3
SW	.6	1.5	1.7	1.2	.6							5.8	9.8
WSW	.6	1.4	3.3	3.1		.2						6.7	9.6
W	1.4	2.4	4.0	4.4	.7	.2						13.2	9.4
WNW	.1	2.1	2.6	1.9								6.8	8.7
NW	.2	1.3	1.2	.4	.1							3.2	7.5
NNW	.4	1.5	1.3									3.2	6.1
VARBL													
CALM												7.4	
	12.9	26.8	31.7	17.9	3.2	.8						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

643

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

704240 FT KNOX/GODMAN AAF KY 75-84 FEE
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	.0	.4								5.5	5.4
NNE	1.2	1.1	1.3	.7								4.3	6.3
NE		1.3	1.3		.2							2.8	7.8
ENE	.5	1.9	1.9	.8								5.1	7.6
E	2.1	4.3	2.7	.2								9.4	5.7
ESE	2.4	2.4	.5	.2								5.5	4.4
SE	.8	1.1	.2	.1								2.3	4.5
SSE	.6	1.3	.6	.2	.1							2.8	6.4
S	.6	2.3	2.8	.8	.5	.1						7.1	8.3
SSW	1.5	2.7	3.2	2.1	.5							10.1	7.9
SW	1.1	.9	2.4	1.2	.2							5.7	6.7
WSW	.7	1.4	2.1	1.9	.2	.1						6.5	9.1
W	.6	2.7	4.0	2.4	.8							10.6	9.0
WNW	1.1	2.0	1.9	.5								5.5	6.6
NW	.4	.7	1.4	.1								2.6	6.9
NNW	.8	2.0	1.4	.1								4.4	5.9
VARBL													
CALM												18.4	
	15.8	30.2	28.8	11.9	2.6	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 643

ALPACAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 124240 STATION NAME FT KNOX/GODMAN AAF KY YEARS 75-84 MONTH FEB
CLASS ALL WEATHER HOURS 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	2.1									5.9	5.5
NNE	1.0	1.1	1.3									3.4	5.5
NE	.6	1.6	1.4	.1	.1	.3						4.1	7.9
ENE	1.5	2.5	1.9	.4	.3							6.5	6.2
E	3.3	3.4	.8	.5								7.9	4.5
ESE	1.0	1.0	.1	.4								2.5	5.2
SE	.9	.8	.1	.3								2.0	4.6
SSE	.1	1.4	.8	.3								2.5	6.8
S	.8	1.6	.9	1.0								4.3	7.2
SSW	1.0	2.5	2.3	1.6	.1							8.4	7.1
SW	1.5	2.1	2.4	1.1	.3							7.4	7.5
WSW	.9	.8	1.6	.4	.1							3.6	7.3
W	1.4	2.9	2.3	1.0	.1							7.7	6.9
WNW	1.1	2.4	1.8	.1								5.4	5.6
NW	.8	.8	.5	.4								2.4	5.8
NNW	1.0	1.4	1.0	.3								3.6	5.6
VARBL													
CALM												22.2	
	19.0	28.6	21.1	7.8	1.0	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 FT KNOX/GOODMAN AAF KY 75-77,82-84 FEB

STATION STATION NAME YEARS MONTH

ALL WEATHER 0300-0500

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	1.2	.2								3.0	6.3
NNE													
NE	.5	1.2	1.2									2.8	5.8
ENE	.9	2.1	2.1	.2								5.4	6.1
E	2.1	2.6	1.4	.5								6.5	5.0
ESE	.9	.7	.2									1.9	4.3
SE	.2	1.6	1.2									3.0	5.7
SSE	.7	.7	.5	.2								2.1	5.2
S	1.2	2.3	1.9	.2	.2							5.6	6.4
SSW	1.4	3.7	6.1	.5								11.7	7.0
SW	1.6	3.5	1.5	.9								7.7	6.2
WSW		1.9	2.6	1.2	.2							5.8	8.8
W	1.2	1.6	2.6	.7	.2							6.3	7.5
WNW	1.4	2.8	1.2	.2								5.6	5.3
NW	.7	.9	1.6	.2								3.5	6.7
NNW	.2	2.1	1.9	.2								4.4	6.4
VARBL													
CALM												24.5	
	13.5	28.9	27.0	5.4	.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 429

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-78,80,82-84
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	2.1	.2								3.9	7.4
NNE	.2	.7	.5									1.4	5.2
NE	.2	1.2	.7									2.1	5.2
ENE	.9	2.3	1.4	.9								5.5	6.7
E	2.3	2.3	.7									5.3	4.0
ESE	1.2	.7	.7									2.5	4.6
SE	.5	.2										.7	3.3
SSE	.2	1.2	.7	.9								2.5	8.2
S	.9	1.8	2.1	1.2	.2							6.2	7.8
SSW	2.1	1.2	3.7	.5	.2							7.6	7.0
SW	2.3	1.2	2.3	1.8	.2							7.9	8.0
WSW	.7	1.4	2.5	1.4								6.0	8.3
W		2.8	2.1									4.8	6.6
WNW	1.4	2.5	2.1									6.0	5.5
NW	.9	2.1	1.4									4.4	5.3
NNW	1.8	1.6	.9	.5								4.8	5.2
VARBL													
CALM												28.2	
	15.7	24.7	23.3	7.4	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.1	1.4	.2								4.7	5.8
NNE	.7	1.5	.9	.2								3.3	5.7
NE	.6	1.4	.9	.1								2.9	5.7
ENE	.6	1.8	1.1	.2								3.6	5.9
E	.8	2.2	1.8	.3								5.1	6.2
ESE	1.7	1.3	.5	.1								2.6	4.6
SE	.6	1.0	.2	.0								1.8	4.5
SSE	.6	1.0	.7	.4	.0	.0						2.7	6.8
S	1.0	2.0	2.2	1.4	.2	.0						7.0	7.9
SSW	1.0	2.2	2.3	1.3	.1	.0						6.9	7.6
SW	1.4	2.0	1.6	.9	.1	.0						6.0	6.8
WSW	1.1	2.5	2.3	1.5	.5	.1		.0				8.1	8.4
W	1.6	4.2	5.0	3.4	.5	.1	.0					14.9	8.5
WNW	1.2	2.4	2.7	1.6	.0	.0						7.9	7.5
NW	.7	1.6	1.2	.5	.0	.0						4.0	6.8
NNW	.7	1.7	1.1	.2								3.8	6.0
VARBL													
CALM												14.5	
	14.5	30.7	25.8	12.4	1.6	.4	.0	.0				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 6282

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.9	.1	.1								4.0	3.8
NNE	.5	1.4	.9	.3								3.1	6.2
NE	.6	1.7	.6									2.9	5.1
ENE	.3	2.2	1.3	.1								3.8	6.0
E	.9	1.7	2.2	.1								4.9	6.2
ESE	1.0	1.7	.4									3.1	4.3
SE	.9	.8	.3									1.9	4.3
SSE	.3	.5	.8	.4								1.9	7.6
S	.9	2.3	2.7	1.9	.6							8.5	8.6
SSW	1.0	2.4	1.9	.6								6.0	6.2
SW	1.3	2.6	.9	.3	.1							5.1	5.5
WSW	1.4	1.9	1.7	.3	.4							5.6	6.5
W	1.9	4.2	2.6	1.3	.4							10.4	6.9
WNW	1.2	2.4	2.6	1.2								7.3	6.7
NW	1.3	2.4	1.3	.6								5.6	6.3
NNW	1.3	2.6	.5	.5								4.9	5.6
VARBL													
CALM												21.0	
	16.5	32.7	20.6	7.7	1.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

781

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	46 - 56	%	MEAN WIND SPEED
N	1.5	2.1	1.2									4.6	5.1
NNE	.6	1.7	.7	.4								3.5	5.7
NE	.7	2.2	.5									3.5	4.9
ENE	.5	2.1	1.0									3.6	5.6
E	.5	2.5	1.1	.2								4.3	6.3
ESE	.6	1.0	.2									1.8	4.3
SE	.7	1.7	.2	.1								2.8	4.8
SSE	1.0	1.7	1.4	.7	.1							4.9	7.1
S	1.2	2.2	2.0	1.6								7.0	7.3
SSW	.9	2.5	1.5	.4								5.2	5.9
SW	1.6	2.3	1.1	.5								5.5	5.5
WSW	1.5	2.5	1.6	.7	.1	.1						6.5	6.7
W	2.6	5.5	4.6	1.8		.2						14.8	6.9
WNW	2.3	2.1	2.5	2.3	.1							9.4	7.5
NW	1.0	1.7	1.0	.6		.1						4.4	6.7
NNW	1.5	1.7	.5									3.7	4.3
VARBL													
CALM												14.2	
	18.7	35.6	21.1	9.5	.4	.5						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS JAN MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.1	.3								4.3	6.9
NNE	1.4	1.4	1.5									4.2	5.6
NE	.3	.9	.6	.1								1.9	5.6
ENE	.1	1.8	1.5	.5								3.8	6.6
E	.3	1.2	1.9	.1								3.6	6.7
ESE	.5	.9	.5									1.8	5.4
SE	.1	1.2	.5									1.8	5.6
SSE	.3	1.6	.9	.5		.1						3.4	7.3
S	.9	3.5	2.7	2.1	.1							9.3	8.0
SSW	.5	2.6	3.2	1.6	.2							8.0	8.0
SW	.8	1.4	1.5	1.4								5.0	7.8
WSW	.7	3.3	2.9	3.2	1.0	.1		.1				11.3	9.8
W	.7	3.6	8.0	6.5	.9		.1					19.6	9.9
WNW	1.2	1.7	2.9	1.8								7.7	8.0
NW	.7	2.5	1.5	.6	.1							5.3	6.9
NNW	.2	1.5	1.6	.6								3.8	7.4
VARBL													
CALM												5.1	
	9.2	30.2	33.6	19.1	2.4	.2	.1	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 888

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.4	1.9	.7								5.5	6.7
NNE	.7	1.9	1.1	.3								4.1	6.2
NE	.2	.6	1.2	.3								2.4	7.8
ENE	.7	.9	1.1	.1								2.8	6.0
E	.6	1.9	1.2	.3								4.1	6.2
ESE	1.1	1.5	1.2	.2								4.1	5.7
SE	.5	1.0	.1									1.6	4.5
SSE	.6	.8	.8	.7	.1							2.9	7.7
S	1.0	1.5	3.5	1.6	.2	.1						7.9	8.5
SSW	1.1	1.4	2.3	2.4	.5							7.5	9.2
SW	.6	1.7	1.9	1.4	.1							5.6	8.0
WSW	1.0	3.0	3.3	3.3	1.1	.5						12.2	10.0
W	.5	3.6	7.3	6.1	.7							18.1	9.7
WNW	.2	2.5	3.8	2.4	.1							9.0	8.8
NW	.1	1.4	1.4	.1								2.9	6.9
NNW	.5	1.8	1.7									3.9	6.1
VARBL													
CALM												5.4	
	9.8	27.7	33.9	19.8	2.8	.6						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

888

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS JAN MONTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.9	1.4									5.2	5.4
NNE	.5	.8	1.5	.3								3.0	6.9
NE	.2	1.2	1.2	.3								3.0	6.9
ENE	.3	1.6	1.2	.1								3.3	6.5
E	.8	2.7	2.8	.3								6.6	6.3
ESE	1.6	2.0	.9	.1								4.6	4.8
SE	.8	1.0	.3									2.1	4.6
SSE	.3	1.5	.1	.1	.1							2.1	5.8
S	.6	1.5	2.3	1.9	.1							6.3	6.8
SSW	1.1	2.5	2.5	1.5	.2							7.8	7.9
SW	1.7	2.4	1.4	1.4	.5	.1						7.3	7.4
WSW	1.1	2.1	3.5	1.2	.2	.3						8.6	8.6
W	1.2	2.8	5.9	4.1	.7							14.6	9.3
WNW	.8	2.8	2.5	2.4	.1							8.6	8.1
NW	.7	1.2	1.7	.5	.2							4.3	7.6
NNW	.3	1.4	1.4	.2								3.3	6.8
VARBL													
CALM												9.2	
	13.0	30.4	30.4	14.4	2.1	.5						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 888

2
2GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

124240
STATIONFT KNOX/GODMAN AAF KY
STATION NAME

75-84

YEARS

JAN
MONTHALL WEATHER
CLASS0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	1.3	.5								4.6	6.5
NNE	.5	1.2	.2									1.9	4.8
NE	1.5	1.9	1.3	.1								4.9	5.4
ENE	1.0	1.8	.7	.4								3.9	5.5
E	1.5	3.3	1.8	.4								6.9	5.5
ESE	1.0	1.5	.1									2.6	3.7
SE	.6	1.2	.1									1.9	3.9
SSE	.5	.4	.1	.2								1.2	5.8
S	1.5	1.3	1.5	.7	.1							5.1	6.7
SSW	1.0	1.9	1.7	1.3		.1						6.1	7.4
SW	1.9	1.3	2.2	1.1								6.6	6.7
WSW	1.1	2.2	1.3	1.5	.5							6.6	8.1
W	1.6	4.7	3.0	2.2	.1	.4						12.0	7.6
WNW	1.3	3.0	2.6	.7								7.7	6.4
NW	1.0	.5	.7	.5								2.7	6.2
NNW	.5	1.6	1.3	.1								3.5	6.2
VARBL													
CALM												21.9	
	17.0	30.0	20.2	9.7	.7	.5						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

823

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 FT KNOX/GODMAN AAF KY

75-80, 83-84

1 JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.1	1.5									4.5	5.7
NNE	.8	2.8	.7									4.3	4.7
NE	.7	1.3	.8									2.6	5.2
ENE	1.2	1.3	.8									3.3	5.2
E	1.0	2.1	1.5	.5								5.1	6.3
ESE	1.2	1.0	.2	.2								2.5	4.3
SE	.5	.3										.8	3.4
SSE	.3	.8	.3	.3								1.8	6.5
S	1.3	1.3	.7	.8	.2	.2						4.5	7.3
SSW	1.0	2.1	3.0	1.3								7.4	7.6
SW	.8	2.8	1.5	1.0	.3							6.4	7.3
WSW	1.0	3.0	1.3	.3	.5							6.1	6.9
W	2.6	4.5	3.8	2.1	1.0		.2					14.2	7.8
WNW	1.0	1.7	2.5	.8								6.0	7.2
NW	.3	1.7	.3	.7								3.0	6.8
NNW	.7	1.3	.8									2.8	5.4
VARBL													
CALM												24.5	
	15.2	30.2	19.7	8.1	2.0	.2	.2					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

605

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-80, 83-84
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	1.2	.2								5.0	5.3
NNE	.7	1.0	.5									2.2	4.5
NE	.5	1.2	.3									2.0	4.8
ENE	.8	2.7	1.0	.3								4.8	5.3
E	1.7	1.8	1.3	.8								5.0	6.6
ESE	1.5	.2										1.7	2.8
SE	.7	.5										1.2	3.1
SSE	1.3	.2	.8	.3								2.7	5.2
S	1.0	2.5	2.2	.3								6.0	6.7
SSW	1.2	1.8	2.7	1.0								6.7	7.2
SW	2.5	1.8	2.2	.3		.2						7.0	5.8
WSW	1.0	2.2	2.0	.3	.3							5.9	6.7
W	2.5	4.8	3.2	2.0	.5	.3						13.4	7.6
WNW	2.0	2.5	1.7	.3		.5						7.0	6.6
NW	.3	1.2	2.0	.3								3.6	7.0
NNW	1.2	1.5	1.0	.5								4.2	5.8
VARBL													
CALM												21.4	
	19.6	28.3	22.1	6.9	.8	1.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

598

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.2	.9	.9								6.2	6.3
NNE	.6	2.0	.7	.1	.1							3.6	5.9
NE	.8	1.3	1.1	.5								3.7	6.5
ENE	.6	1.9	1.2	.6	.1							4.4	7.1
E	.8	1.3	.8	.1								3.1	5.3
ESE	.6	1.4	.9	.1								3.1	6.0
SE	.4	.9	.4		.1							1.8	5.9
SSE	.9	1.2	1.4	.4	.1							4.0	6.5
S	.9	3.1	3.7	1.4	.2							9.4	7.8
SSW	.8	3.2	2.1	2.6	.5							9.3	8.8
SW	1.4	2.0	3.1	1.1	.5							8.1	7.7
WSW	.5	1.7	2.4	1.4	.5	.1						6.9	9.1
W	.7	3.2	6.3	3.6	1.1	.5						15.3	10.0
WNW	.4	1.2	4.5	1.3								7.4	8.7
NW	.2	1.5	2.3	.8								4.9	7.9
NNW	.6	1.2	1.7	.2								3.7	6.5
VARBL													
CALM												5.5	
	11.7	30.4	33.5	15.2	3.2	.6						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

843

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724245
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.3	1.1	.4	.1							5.6	5.6
NNE	1.6	2.5	.6	.4								5.1	5.4
NE	1.0	1.4	.9	.3								3.5	5.6
ENE	.5	1.9	1.1	.5								4.0	6.6
E	.8	3.3	1.0	.4								5.4	5.8
ESE	.8	1.6	.4	.1								2.9	5.0
SE	1.0	2.0	.6									3.6	4.6
SSE	1.5	1.8	.9	.3								4.4	5.4
S	1.4	2.9	1.9	1.0	.1							7.3	6.8
SSW	.8	3.8	1.1	.6								6.3	6.1
SW	.9	.9	1.7	.6	.3							3.6	8.0
WSW	.6	1.1	1.8	.6								4.1	7.4
W	1.9	4.8	4.9	2.0	.3							13.8	7.4
WNW	1.4	1.6	3.4	.8	.1	.1						7.4	7.3
NW	2.0	1.6	1.8	.3								5.6	5.4
NNW	.9	.8	.8	.1								2.5	5.4
VARBL													
CALM												14.8	
	18.7	34.1	23.2	8.3	.9	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

798

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240

FT KNOX/GODMAN AAF KY

75-84

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.2	1.8	.5								5.7	5.6
NNE	2.0	1.6	.9	.1								4.7	4.7
NE	.7	2.0	.8	.8								4.3	6.7
ENE	.9	1.6	.7	.5								3.8	6.2
E	2.4	3.6	.8									6.9	4.4
ESE	1.6	1.3	.8									3.6	4.5
SE	.5	1.5	.1	.3								2.4	5.7
SSE	.5	1.1	.3	.4								2.3	6.4
S	1.6	1.5	3.1	.8								7.0	6.8
SSW	1.1	1.2	1.9	1.2	.3							5.7	8.1
SW	.5	1.6	1.8	1.1	.1							5.1	7.9
WSW	1.2	.8	.8	.4								3.2	6.1
W	2.0	3.0	3.2	.7	.1							9.0	6.4
WNW	2.3	3.0	2.0	.1	.1							7.6	5.6
NW	1.2	1.8	.8	.1	.1							4.0	5.6
NNW	1.3	.7	.9	.1								3.1	4.9
VARBL													
CALM												21.3	
	22.3	27.5	20.8	7.3	.8							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

741

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	1.5	.4	.0							5.2	5.9
NNE	1.0	1.3	1.0	.3	.1							3.7	6.1
NE	.5	1.4	1.0	.3	.1	.0						3.3	6.7
ENE	.3	1.9	1.4	.6	.1							4.7	6.7
E	1.3	3.0	1.2	.3	.0							6.3	5.2
ESE	1.2	1.5	.6	.1								3.4	4.9
SE	.7	1.2	.4	.1	.0							2.3	5.0
SSE	.8	1.2	.7	.4	.0	.0						3.1	6.5
S	1.2	2.3	2.5	1.0	.2	.0						7.2	7.4
SSW	1.3	2.7	2.8	1.6	.3	.0						6.7	7.9
SW	1.2	1.6	2.0	1.1	.3							6.3	8.0
WSW	.7	1.3	2.1	1.3	.1	.1						5.6	8.6
W	1.2	3.0	3.9	2.1	.5	.1						10.7	8.3
WNW	1.1	2.1	2.5	.7	.0	.0						6.5	7.0
NW	.8	1.3	1.4	.3	.0							3.8	6.4
NNW	.9	1.4	1.2	.2								3.6	5.8
VARBL													
CALM												15.3	
	16.3	29.2	26.4	10.8	1.8	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

5726

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-77,83-84
YEARS

MAR
MONTH

0000-0200
HOURS (L S Y)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56 - 63	%	MEAN WIND SPEED
N	1.9	2.8	.4	.6								5.8	5.3
NNE	1.1	.6	.9									2.6	4.7
NE	.9	1.3	.9	.6								3.7	6.5
ENE	1.5	3.4	3.2									8.2	5.9
E	3.0	3.0	1.1	1.3								6.4	5.5
ESE	1.1	1.3	1.3	.2								3.9	5.9
SE		.6	.4	.4								1.5	8.6
SSE	.2	1.1	1.1	.6	.4							3.4	8.6
S	.6	1.7	3.2	2.4	.2							8.2	9.3
SSW	.2	1.3	2.4	1.1	.6	.2						5.8	10.0
SW	.9	2.4	1.1									4.3	5.4
WSW	.2	.6	1.1	.2	.4	.2						2.8	10.7
W	.9	1.7	2.6	1.3								6.5	7.9
WNW	1.7	2.4	1.7									5.8	5.1
NW	1.3	2.2	.4	.2								4.1	4.8
NNW	.6	2.8	1.3									4.7	5.2
VARBL													
CALM												20.4	
	16.1	29.2	23.0	9.0	1.7	.4						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

465

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-77,83-84 YEARS MAR MONTH
0300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.1									4.3	4.8
NNE	1.1	1.5	.7	.2								3.0	4.8
NE	.9	2.4	1.1									4.3	5.3
ENE	1.1	3.9	3.0	.9								8.8	6.1
E	2.6	3.9	1.3	.2								8.0	4.6
ESE	.9	1.3	.4	.4	.2							3.2	6.5
SE	.4	.6	.2	.2								1.5	6.0
SSE		.9	.4	.2								1.5	7.1
S	.6	1.3	2.4	1.9								6.2	8.9
SSW	1.1	3.2	3.4	2.6	.4	.6						11.4	9.4
SW	.9	2.6	1.5	.9								5.8	6.6
WSW	.6		1.1	.6			.2					2.6	9.7
W	.6	1.9	1.9	1.5	.2	.2						6.5	9.1
WNW	1.7	1.9	1.3	1.3								6.2	6.6
NW	1.3	2.4	.4	.2								4.3	4.7
NNW	.9	1.9	.9									3.7	5.3
VARBL													
CALM												18.7	
	16.1	31.4	20.6	11.2	.9	.9	.2					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.4	1.1	.6								5.0	5.8
NNE	.9	.7	.5	.1								2.2	4.9
NE	1.4	2.6	.7	.3	.1							5.1	5.6
ENE	.7	3.1	2.8	1.3								7.8	7.4
E	1.4	4.0	2.5	.3								8.2	5.8
ESE	1.3	1.0	.7	.1	.1							3.2	5.5
SE	.8	.3	.6	.5								2.2	6.8
SSE	.5	.3	.6	.7	.1							2.2	8.5
S	.8	2.5	1.9	1.7	.1							7.1	7.9
SSW	1.1	3.4	2.7	1.6								8.9	7.3
SW	1.3	1.8	1.3	.3								4.7	5.8
WSW	.7	.5	1.1	1.3								3.5	8.7
W	1.4	2.6	1.9	1.8	.5							8.2	7.8
WNW	1.0	1.5	1.3	.9		.1						4.8	7.3
NW	1.4	1.0	1.0	.6								4.0	5.8
NNW	.9	1.6	1.4	.3								4.2	6.0
VARBL													
CALM												18.9	
	17.3	28.3	22.1	12.4	.9	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAD
MONTH

ALL WEATHER
CLASS

0000-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	1.0	.2								4.0	5.7
NNE	.9	1.4	1.4	.8								4.4	7.1
NE	.4	1.5	1.3									3.2	6.2
ENE	1.0	1.8	2.5	.5	.1							5.9	7.2
E	1.0	3.7	3.1	1.1	.3							9.1	7.3
ESE	1.3	1.7	1.5	.3								4.8	5.8
SE	.1	1.3	.6	.3								2.4	6.6
SSE	.8	.2	1.2	1.0	.2	.1						3.4	9.2
S	.4	1.5	3.2	2.5	1.0	.1						6.7	10.3
SSW	.8	2.7	4.4	2.9	.4							11.2	9.2
SW	.6	1.6	2.9	1.5								6.6	8.1
WSW	.4	1.1	2.2	1.4	.4							5.5	9.6
W	.5	1.9	3.8	2.5	.5	.2						9.5	10.0
WNW	1.1	2.2	3.1	1.8	.1							6.3	7.9
NW	.4	1.5	1.7	.3								4.0	6.9
NNW	.9	1.3	2.2	.5								4.8	6.9
VARBL													
CALM												4.2	
	11.4	27.3	35.9	17.6	3.1	.4						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

774240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAP
MONTH

ALL WEATHER
CLASS

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

CO. IDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	1.4	.3								4.1	6.7
NNE	.5	1.2	.6	.4	.2							3.3	7.2
NE	.9	1.1	1.2	.2								3.3	6.2
ENE	.5	1.5	1.3	.3	.2							3.9	7.3
E	2.0	2.3	1.2	1.1	.1							6.7	6.3
ESE	1.1	2.2	1.4	.2								4.8	5.7
SE	.5	.4	1.4	.8	.1							3.2	8.3
SSE	1.3	.6	1.0	.9								3.8	6.6
S	.9	1.6	2.9	3.4	1.0	.4						13.2	10.9
SSW	.2	1.7	2.8	3.8	.9	.1						9.5	11.1
SW	.2	.5	1.4	2.7	.3	.1						5.3	11.2
WSW	.4	1.1	2.5	3.2	.3	.1						7.6	10.4
W	.9	2.2	5.3	5.5	1.1	.1						14.9	10.3
WNW	.5	1.5	4.7	1.9	.3							6.3	9.0
NW	.3	1.3	2.7	.8								5.1	8.3
NNW	.6	1.1	1.2	.5								3.4	7.0
VARBL													
CALM												2.6	
	11.9	21.9	32.2	26.0	4.5	.9						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

✓

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	1.5									4.4	5.2
NNE	.6	1.1	1.7	.3	.1							3.5	7.0
NE	.6	.8	1.1	.4								2.9	6.6
ENE	.6	1.4	.8	.9	.1							3.8	7.6
E	1.7	1.6	2.2	.8								5.5	6.9
ESE	.8	1.1	1.4	.5								3.8	6.9
SE	.1	.4	.9	.4								1.8	8.4
SSE	.6	.9	.6	.8	.2							3.1	7.8
S	.6	1.6	3.4	5.1	1.0	.1						11.8	10.7
SSW	.2	.9	1.8	3.8	1.5	.1						6.3	12.5
SW	.4	.5	1.3	1.4	.4		.1					4.2	10.8
WSW	.4	1.6	1.8	3.1	.5							7.5	10.3
W	.1	2.5	6.3	5.9	.4	.2						15.5	10.1
WNW	.5	2.4	4.4	3.5								10.9	9.0
NW	.2	1.9	2.6	1.0								5.7	7.9
NNW	.3	1.6	1.6	.4								4.0	7.2
VARBL													
CALM												3.0	
	8.7	21.7	33.4	28.3	4.3	.4	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 930

L

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.8	1.1	.3								4.0	5.9
NNE	1.0	1.6	1.5	.3								4.4	6.3
NE	.8	1.1	1.0	.6								3.5	6.5
ENE	.5	2.8	1.0	1.0								5.3	7.0
E	1.3	3.0	1.4	.7								6.3	5.9
ESE	.9	1.7	1.0									3.5	5.1
SE	.3	1.0	.8	.2								2.4	6.7
SSE	.3	1.3	1.6	.5	.1							3.8	7.6
S	1.3	1.6	3.6	3.3	.3							10.1	8.9
SSW	.7	1.6	1.7	2.3	.1							6.4	9.0
SW	.8	1.6	.7	.8	.1							4.0	7.1
WSW	.3	1.6	1.4	1.0	.2							4.6	8.6
W	1.6	4.4	4.2	2.0		.1						12.4	7.3
WNW	1.9	3.3	3.2	1.7								10.1	6.9
NW	1.4	2.2	2.7	.9								7.2	6.9
NNW	1.0	1.5	1.3	.5								4.2	6.0
VARBL													
CALM												7.8	
	14.7	32.1	28.2	16.2	.9	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

ALL WEATHER
CLASS

CONDITION

MAP
MONTH

2100-2300
HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.0	.9	.4								5.4	4.8
NNE	.6	1.6	1.7	.4								3.5	6.4
NE	.9	1.2	.7	.4								3.2	6.2
ENE	1.1	3.2	3.4	.9	.1							8.7	6.8
E	1.2	5.0	1.5	.4								8.1	5.3
ESE	.4	.4	1.1	.4								2.2	7.4
SE	.9	1.5	.7	.5		.1						3.7	6.7
SSE	.2	.5	.9	.7	.1							2.4	9.1
S	1.2	1.2	2.1	2.3	.6							7.5	9.2
SSW	1.0	1.1	2.4	1.2	.1							5.9	8.3
SW	.6	2.1	.9	.2								3.8	6.0
WSW	.6	.9	.7	.6								2.6	7.0
W	2.2	3.2	2.0	1.5		.1						8.9	6.6
WNW	2.1	2.6	2.2	.5								7.3	5.7
NW	2.1	2.8	1.0	.4								6.2	5.0
NNW	1.2	1.3	.9	.1								3.5	5.2
VARBL													
CALM												16.6	
	18.5	30.5	22.3	10.8	1.0	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

817

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2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240	FT KNOX/GODMAN AAF KY	75-84	MAR
STATION	STATION NAME	YEARS	NORTH
ALL WEATHER			ALL
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	1.1	.3								4.5	5.6
NNE	.9	1.2	1.0	.3	.0							3.5	6.4
NE	.9	1.4	1.0	.3	.0							3.6	6.1
ENE	.3	2.5	2.1	.7	.1							6.2	7.0
E	1.5	3.2	1.9	.7	.1							7.4	6.1
ESE	.9	1.4	1.1	.3	.0							3.7	6.0
SE	.4	.8	.8	.4	.0	.0						2.4	7.3
SSE	.6	.7	.9	.7	.1	.0						3.0	8.0
S	.8	1.7	2.9	2.9	.6	.1						9.0	9.7
SSW	.7	2.0	2.7	2.5	.5	.1						6.4	9.7
SW	.7	1.5	1.4	1.1	.1	.0	.0					4.8	8.0
WSW	.5	1.0	1.6	1.6	.3	.0	.0					4.9	9.6
W	1.0	2.6	3.7	3.0	.4	.1						10.9	8.9
WNW	1.3	2.2	2.9	1.6	.1	.0						5.0	7.6
NW	1.0	1.8	1.7	.6								5.2	6.6
NNW	.8	1.5	1.4	.3								4.1	6.3
VARBL													
CALM												10.2	
	14.0	27.4	28.1	17.5	2.3	.4	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 5295

L

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

774240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-77,83-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.0	.7	.2								5.3	4.5
NNE	1.1	2.2	.7	.4								4.4	6.1
NE	.4	3.1	1.1	.2								4.9	5.9
ENE	.4	2.9	3.6									6.9	6.3
E	1.3	3.3	3.3	.4								8.4	6.4
ESE	.9	1.1	.4	.2								2.7	5.1
SE	.7	.2	.2									1.1	4.0
SSE	.4	.4	.9	.4								2.2	7.2
S	1.6	2.2	2.2	.7		.2						6.9	6.4
SSW	1.3	1.8	1.6	.7								5.3	6.3
SW	1.3	2.7	2.2	.2								6.4	5.8
WSW	2.7	2.9	1.6	.4								6.9	5.4
W	1.6	2.0	1.1	.9	.2	.2						6.0	7.0
WNW	.4	1.3	.9									2.7	5.5
NW	1.8	1.1	.9									3.8	4.2
NNW	1.1	.7										1.8	3.4
VARBL													
CALM												24.2	
	18.9	30.0	21.3	4.9	.2	.4						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.2	1.9									6.6	5.6
NNE	.7	2.0	2.7	.2								5.5	6.7
NE	.6	1.2	1.9	.2								3.6	6.9
ENE	.4	1.9	1.5	.7								4.5	7.1
E	1.2	2.2	2.0	.2								5.6	6.0
ESE	.8	1.1	1.0	.8								3.7	7.0
SE	.8	1.2	.7									2.7	4.8
SSE	.6	1.5	1.1	.4								3.7	6.5
S	.9	3.5	3.8	1.7	.2							10.1	7.6
SSW	2.1	2.0	3.5	1.7								9.3	7.2
SW	1.0	2.4	2.3	1.7	.7							8.1	8.4
WSW	1.2	2.4	3.3	1.2	.1							8.3	7.5
W	1.5	3.2	4.8	2.3	.2							12.1	7.9
WNW	.6	.7	2.1	.4	.2							4.0	8.1
NW	.3	2.0	1.3	.4								4.1	6.8
NNW	1.2	2.4	1.4	.1								5.2	5.3
VARBL													
CALM												2.9	
	15.4	33.1	35.2	12.1	1.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

904

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.8	1.7	.3								6.4	5.6
NNE	.5	1.6	1.3	.8								4.2	7.1
NE	.6	.8	1.2	.3								2.9	6.6
ENE	1.0	1.2	1.9	.4								4.5	6.6
E	1.0	1.8	3.2	.5								7.6	6.3
ESE	1.0	1.2	.8	.3								3.2	6.0
SE	.3	1.0	.9	.3								2.5	7.0
SSE	1.2	1.1	1.1	.2	.1							3.7	5.9
S	1.2	2.7	4.0	1.4	.1							9.4	7.5
SSW	1.1	2.7	4.1	2.1	.6	.1						10.7	8.7
SW	1.0	2.1	3.7	2.1	.5	.1						9.4	8.9
WSW	.4	1.2	3.9	1.2	.1							6.3	8.3
W	.9	2.4	5.2	1.2	.2							9.8	7.9
WNW	.9	2.1	2.1	.5								5.5	6.6
NW	.9	1.7	1.1									3.7	5.5
NNW	.9	2.6	1.5	.2								5.2	5.6
VARBL													
CALM												4.3	
	15.3	28.9	37.7	11.9	1.7	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

74240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.4	1.7	.2								5.6	5.5
NNE	.8	2.8	1.4	.2								5.2	5.8
NE	.4	1.7	.9	.4								3.5	6.3
ENE	1.2	1.5	1.5	.4								4.7	6.2
E	1.4	3.6	2.8	.3								8.1	6.0
ESE	1.6	2.2	1.1	.4								5.3	5.2
SE	.9	1.2	.5	.2								2.8	5.3
SSE	1.2	1.0	.6	.2								3.0	5.3
S	1.2	3.2	3.5	1.4								9.3	7.1
SSW	.9	3.8	4.3	1.1	.1							10.2	7.4
SW	1.1	3.5	3.0	1.4	.2	.1						9.3	7.7
WSW	.3	2.1	1.8	1.4								5.6	7.8
W	.8	2.8	3.1	1.2								7.9	7.4
WNW	1.0	1.2	.9	.3								3.4	5.8
NW	1.3	1.6	1.2	.2								4.3	5.6
NNW	1.7	1.5	.4									2.9	4.7
VARBL													
CALM												8.7	
	16.5	36.0	28.9	9.5	.3	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.8	.5									2.4	4.3
NNE	1.5	1.4	1.5									4.3	5.0
NE	1.9	2.3	.7									4.9	4.3
ENE	1.4	3.6	.9	.7								6.6	5.6
E	2.8	3.5	1.7	.5								6.5	5.2
ESE	1.7	1.2	.2	.1								3.3	3.8
SE	1.6	.6	.1									2.3	3.3
SSE	.5	1.0	.1									1.6	4.8
S	2.0	2.4	2.1	.7								7.2	5.8
SSW	2.7	3.1	2.4	.8								8.9	5.6
SW	2.1	2.1	1.6	.6								6.4	5.8
WSW	1.8	1.6	1.1	.2								4.6	4.9
W	1.2	2.4	.7	.5								4.8	5.2
WNW	.5	1.0	.8	.1								2.4	5.4
NW	.5	.9	.7									2.0	5.5
NNW	1.1	1.5	.8	.1								3.5	5.1
VARBL													
CALM												26.2	
	24.4	29.3	15.3	4.2								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 884

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.7	.3									4.0	4.0
NNE	2.3	2.3	1.2									5.8	4.3
NE	1.2	1.0	1.5	.2								3.8	5.9
ENE	1.8	2.7	.8	.2								5.5	4.6
E	1.2	3.3	.5									5.0	4.5
ESE	2.5	.2										2.7	2.3
SE	.8	.8	.3									2.0	4.1
SSE	.2	.5	.3	.2								1.2	6.7
S	1.2	2.3	.7	1.0								5.1	6.3
SSW	2.2	2.2	1.5	.8								6.6	6.0
SW	2.7	2.0	.5	.2								5.3	4.0
WSW	2.5	.8	.2	.2								3.7	3.5
W	3.0	1.5	.7	.3								5.5	4.2
WNW	.8	.7	.5									2.0	5.1
NW	.7	.8	.5	.5								2.5	6.1
NNW	.5	1.5	.5	.2								2.7	5.1
VARBL													
CALM												36.7	
	25.4	24.3	10.0	3.7								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

602

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-77,81,83-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										2.5	3.8
NNE	1.5	2.5	1.7	.2								5.9	5.0
NE	2.1	.6	.4									3.2	3.7
ENE	2.1	1.7	.2									4.0	3.5
E	2.3	4.0	.2	.2								6.8	4.2
ESE	1.1	.2	.4	.2								1.9	4.4
SE	1.1	.2	.6									1.9	4.9
SSE	.2	.6	.2	.2								1.3	6.0
S	1.3	1.7	2.1									5.1	5.9
SSW	1.7	2.3	2.5	.4								7.0	6.1
SW	4.2	1.3	1.3	.2								7.0	3.9
WSW	1.7	1.1		.4								3.2	4.3
W	2.1	.8	.6									3.6	3.9
WNW	.4	.8	1.1	.2								2.5	6.7
NW	.8	1.3	.2	.2								2.5	4.3
NNW	1.1	.6	.8									2.5	5.0
VARBL													
CALM												38.9	
	25.1	21.2	12.5	2.3								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS APR MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	1.3	.4	.0							5.2	5.8
NNE	1.0	1.8	1.2	.5	.0							4.4	6.2
NE	.9	2.1	1.2	.3	.0							4.5	5.9
ENE	1.0	2.5	2.7	.5	.1							6.8	6.7
E	1.3	3.0	2.8	.4								7.6	6.2
ESE	.8	1.3	.7	.2								3.0	5.5
SE	.6	.7	.4	.1	.0							1.9	5.4
SSE	.6	.9	1.0	.7	.0							3.3	7.6
S	1.3	2.2	2.9	2.0	.3	.0						8.6	8.2
SSW	1.2	1.9	2.4	2.2	.4	.1						8.2	8.7
SW	1.7	1.5	1.7	1.3	.2	.0						5.8	8.2
WSW	.8	1.5	2.2	1.6	.3	.0						6.4	8.7
W	1.1	2.6	3.1	2.4	.5	.1						9.8	8.7
WNW	.5	1.7	2.2	1.4	.1							5.9	8.3
NW	1.0	1.5	1.2	.3	.0							4.1	6.2
NNW	.7	1.3	.8	.1	.0							3.0	5.7
VARBL													
CALM												11.5	
	15.3	28.8	28.1	14.4	2.0	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 6096

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	.5	.4								3.7	5.3
NNE	1.5	2.3	1.7	.4								5.9	5.8
NE	1.5	4.0	.5									6.1	4.4
ENE	1.4	3.6	1.4		.3							6.7	5.8
E	1.5	3.2	1.7	.6								7.1	5.9
ESE	.8	1.4	.6	.1								3.0	5.4
SE	.5	.3	.4	.3	.1							1.5	7.0
SSE	.5	.1	.6	.6								1.9	8.3
S	2.1	2.6	2.8	1.0	.3							8.8	7.0
SSW	1.5	1.4	1.0	1.5		.3						5.8	8.1
SW	1.7	1.2	.8	.9								4.5	5.9
WSW	1.2	1.0	1.3	.8		.1						4.4	7.2
W	1.7	3.2	1.3	.5	.3	.3						7.2	6.8
WNW	.9	1.3	1.2	.5								3.9	6.5
NW	1.4	1.0	.5									3.0	4.2
NNW	1.5	2.1	.3	.3								4.1	4.5
VARBL													
CALM												22.4	
	21.1	30.3	16.6	8.0	.9	.6						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 776

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

124240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.1	1.1	.2								5.3	5.2
NNE	1.6	2.7	1.4	.5								6.2	5.7
NE	.7	2.5	.8	.4	.1							4.5	6.1
ENE	1.1	3.3	2.0	.4	.2							6.9	6.4
E	1.1	2.7	2.3	.2								6.3	6.1
ESE	.4	.6	1.1	.2								2.2	6.5
SE	.1	.7	.2	.4								1.4	7.3
SSE	.5	1.2	.6	.7								2.9	7.4
S	1.6	2.3	3.8	2.2	.2							10.2	8.0
SSW	1.1	2.2	1.6	1.6	.5							7.0	8.5
SW	.4	1.4	2.0	.9	.1							4.8	8.3
WSW	.5	2.0	2.2	1.6								6.3	8.1
W	1.9	4.2	4.0	2.1	.4							12.6	7.4
WNW		2.3	2.0	1.1	.1							5.5	8.1
NW	2.1	1.6	1.9	.4								6.0	5.4
NNW	1.2	.9	.8	.1								3.1	4.7
VARBL													
CALM												8.7	
	16.0	32.9	27.8	13.0	1.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

852

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.5	2.2	.9	.1							7.8	6.8
NNE	.3	1.3	.4	.8	.1							3.0	7.3
NE	.6	1.1	1.4	.6								3.7	7.2
ENE	1.4	1.4	2.3	.4								5.4	6.4
E	.9	1.8	2.5	.3								5.5	6.6
ESE	.2	1.6	.4	.4								2.7	6.3
SE	.4	.7	.6									1.7	5.3
SSE	.4	1.4	1.7	.9	.1							4.6	8.3
S	.9	1.8	3.0	3.3	.3							9.4	9.3
SSW	.7	.7	3.3	3.2	.8							6.7	10.6
SW	.4	.7	1.3	2.1	.4	.1						5.1	11.2
WSW	.4	1.2	3.2	3.0	.6	.1						8.6	10.6
W	.8	2.7	5.1	4.5	1.3	.1						14.5	10.1
WNW	.4	2.3	3.3	3.0	.1							9.3	9.2
NW	.2	2.5	2.1	.4	.2							5.5	7.5
NNW	.2	1.7	1.6	.3								3.8	6.9
VARBL													
CALM												1.0	
	9.6	26.3	34.3	24.3	4.1	.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	2.1	.4	.1							6.3	6.5
NNE	.3	1.8	1.1	.4								3.7	6.9
NE	.4	.6	1.1	.3								2.4	7.0
ENE	.7	1.6	2.4	.9								5.6	7.6
E	1.2	2.3	3.4	.6								7.6	6.7
ESE	1.0	1.6	.7	.2								3.4	5.5
SE	.6	1.3	.4									2.3	5.0
SSE	1.0	1.2	1.0	1.0								4.2	7.2
S	.8	1.9	3.3	3.6	.7	.1						10.3	10.1
SSW	.8	1.0	2.8	3.4	.8	.1						8.9	10.5
SW	.6	.7	2.4	2.6	.7							6.9	11.0
WSW	.3	1.0	2.9	2.6	.9	.1						7.8	10.8
W	.2	2.1	4.9	4.8	.4	.2						12.7	10.5
WNW	.3	1.9	3.9	2.1	.2							8.4	9.0
NW	.2	1.9	1.7	.7								4.4	7.7
NNW	.2	1.2	1.8	.2	.1							3.6	7.5
VARBL													
CALM												1.4	
	9.8	24.6	36.0	23.8	3.9	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.7	.4								4.3	6.5
NNE	.4	1.1	1.4	.6								3.6	7.3
NE	.1	1.6	1.6	.6								3.6	7.8
ENE	.7	2.0	3.1	.9	.1							6.6	7.3
E	1.2	2.8	4.7	.6								9.2	6.7
ESE	.8	2.0	1.8									4.6	5.9
SE	.9	1.1	.9									2.9	4.8
SSE	.7	.9	1.3	.9	.1							3.9	7.8
S	.9	2.2	3.8	1.9	.1							8.9	8.1
SSW	1.1	2.1	3.9	3.6	.6	.1						11.3	9.4
SW	.6	1.4	2.6	1.7	.4	.1						6.8	9.3
WSW	.3	1.6	2.6	2.1	.3							6.9	9.4
W	.6	1.9	3.4	3.3	.3							9.6	9.4
WNW	.3	2.1	2.4	1.2	.1							6.2	8.1
NW	.7	1.3	1.2	.8								4.0	7.7
NNW	.4	1.7	1.1	.1								3.3	6.2
VARBL													
CALM												4.0	
	10.7	27.0	37.4	18.6	2.1	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

124240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.2	.9	.1								3.9	4.8
NNE	1.3	1.8	1.5	.4								4.9	5.8
NE	1.9	2.2	1.8	.1								6.0	5.1
ENE	1.1	2.6	4.1	.5								6.2	6.7
E	2.6	4.9	2.9	.2								10.6	5.4
ESE	1.5	1.2		.1								2.8	3.6
SE	.6	.9	.2									1.8	4.6
SSE	.8	.6	.9	.6								2.9	7.2
S	1.3	2.3	1.8	.8	.2							6.4	7.2
SSW	2.0	3.3	2.6	.7	.2							6.8	6.2
SW	2.1	2.0	1.6	.7								6.4	5.5
WSW	1.2	.9	1.6	.7								4.4	6.9
W	1.1	2.2	1.8	.8	.2							6.1	7.0
WNW	.9	1.2	1.8	1.4	.1							5.4	6.3
NW	1.1	.7	.5									2.2	4.6
NNW	.1	.9	.1									1.2	4.5
VARBL													
CALM												16.0	
	21.1	28.9	24.1	7.1	.8							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

855

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/COLMAN AAF KY
STATION NAME

75-84
YEARS

APR
MONTH

ALL WEATHER
CLASS

0700-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.0	.6	.2								4.9	5.2
NNE	1.1	1.5	.9	.2								3.9	5.2
NE	1.3	3.2	1.7									6.2	5.0
ENE	1.1	4.1	4.3	.2								9.7	6.5
E	.6	3.2	1.1	.4								5.4	5.8
ESE	.6	.9	.2	.2								1.9	4.9
SE	.9		.4	.2								1.5	5.9
SSE	.2	1.1	1.1	.2								2.6	6.4
S	1.5	2.1	.9	.6								5.2	6.0
SSW	1.5	3.0	1.7	1.3	.2							7.7	7.1
SW	1.7	3.0	.4	.2								5.4	4.4
WSW	.9	2.8	1.1	.2								4.9	5.4
W	1.3	2.4	.4	.4	.4							4.9	6.5
WNW	.4	.6	.9	.2								2.1	7.3
NW	1.7	1.5		.2								3.4	4.2
NNW	1.3	1.1	.2									2.6	4.1
VARBL												27.7	
CALM													
	17.4	33.5	15.9	4.9	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

466

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1300-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.5	.7									6.7	3.7
NNE	1.0	1.3	1.4									3.7	5.4
NE	1.5	2.0	.5	.1								4.1	4.5
ENE	.3	2.4	1.2									4.4	5.2
E	1.6	2.5	1.0		.1							5.3	5.2
ESE	.9	1.4	.8									3.1	5.3
SE	.8	1.5	.2	.1								2.7	4.5
SSE	.7	1.2	.7	.3								2.9	5.8
S	3.4	3.8	2.5	.5								10.2	5.2
SSW	1.3	3.2	2.9	.8								6.2	6.5
SW	1.9	2.7	2.3									6.6	5.5
WSW	1.4	1.3	1.5	.5								4.6	5.9
W	1.2	2.9	2.3	.9								7.2	6.8
WNW	1.5	2.0	.9	.2								4.6	5.1
NW	2.3	1.4	.6	.2								4.5	4.1
NNW	1.4	1.6	.6	.3								3.9	5.1
VARBL													
CALM												17.6	
	25.1	33.6	20.1	4.1	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

864

✓

2

JULIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240 STATION	FT KNOX/GODMAN AAF KY STATION NAME	75-84 YEARS	MAY MONTH
ALL WEATHER CLASS			2100-2300 HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.9	.3									5.1	3.2
NNE	2.8	1.8	.6	.1								5.4	4.1
NE	.9	1.3	.4									2.7	4.2
ENE	.7	1.2	.7	.1								2.8	5.4
E	1.3	1.9	1.0	.4								4.6	5.4
ESE	1.0	1.0	.3									2.4	4.1
SE	1.3	1.3	.1									2.8	3.9
SSE	.6	1.8	.3	.3								3.0	5.6
S	1.8	4.0	1.6	.9								8.3	5.8
SSW	2.2	2.4	.9	.4								6.0	5.2
SW	3.0	.6	.1	.3								4.0	3.5
WSW	1.2	1.0		.4								2.7	4.9
W	1.9	.4	.7	.3								3.4	4.6
WNW	1.9	1.0	.6									3.6	3.5
NW	1.8	.6	.4									2.6	3.7
NNW	1.6	1.0	.1									2.8	3.2
VARBL													
CALM												37.5	
	27.1	23.5	8.5	3.4								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 672

L

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.2	1.0	.1								5.2	4.7
NNE	1.3	1.9	1.5	.2								4.9	5.5
NE	1.1	1.4	.9	.2								3.6	5.4
ENE	1.1	2.0	1.2	.4								4.7	5.7
E	1.7	2.8	1.7	.3	.0							6.6	5.5
ESE	1.3	1.2	.6	.3								3.3	5.1
SE	.9	1.0	.4	.1								2.5	4.8
SSE	.7	1.1	.6	.2	.0							2.7	5.8
S	1.6	3.0	2.7	1.0	.0							8.4	6.5
SSW	1.7	2.8	2.9	1.1	.1	.0						8.6	6.9
SW	1.9	2.2	2.0	.9	.2	.0						7.3	6.7
WSW	1.2	1.5	1.7	.8	.0							5.2	6.6
W	1.5	2.2	2.5	.9	.1							7.2	6.8
WNW	.9	1.2	1.2	.3	.0							3.6	6.0
NW	1.1	1.3	.8	.2								3.4	5.3
NNW	1.1	1.7	.8	.1								3.7	5.1
VARBL													
CALM												18.9	
	21.1	29.7	22.8	7.0	.5	.0						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

6245

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-78,83-84
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.9										2.8	2.9
NNE	2.8	2.4	.2	.4								5.7	3.9
NE	1.5	.7		.2								2.4	3.9
ENE	1.5	.7										2.2	3.5
E	2.4	2.2	.2									4.6	3.4
ESE	1.3	.7	.4									2.4	3.8
SE	.4	.9										1.3	4.1
SSE	.9	.9										1.9	3.2
S	1.9	2.0	.6									4.4	4.0
SSW	1.9	2.4	1.9									6.1	5.2
SW	3.3	4.3	.7									8.3	3.9
WSW	2.2	1.7	.4									4.3	3.7
W	3.3	1.1										4.4	2.8
WNW	.6	.9										1.5	3.5
NW	.7	.2										.9	2.2
NNW	1.3	.2										1.5	2.6
VARBL													
CALM												45.0	
	27.8	22.4	4.3	.6								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

540

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.6		.2								4.5	3.2
NNE	2.6	2.0		.2								4.8	3.5
NE	.9	.8	.2	.2								2.0	4.4
ENE	2.3	1.2										3.6	3.0
E	2.2	.8	.2									3.1	2.9
ESE	1.2	.5										1.7	3.3
SE	.8		.2									.9	3.0
SSE	.2	1.1	.2									1.4	4.2
S	1.7	1.9	.3									3.9	4.1
SSW	2.0	4.3	1.2									7.6	4.8
SW	2.0	3.3	1.2									6.5	4.6
WSW	1.6	1.2	.5	.2								3.4	4.5
W	2.5	1.7	.5									4.7	3.9
WNW	.8	.5	.2									1.4	3.4
NW	.6	.5										1.1	3.3
NNW	2.0	.2										2.2	2.1
VARBL													
CALM												47.2	
	26.2	21.4	4.5	.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 644

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 FT KNOX/GODMAN AAF KY 75-84 JUN

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

0600-0800

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	.2	.1								3.1	3.9
NNE	1.2	2.5	.1	.1								3.9	4.2
NE	1.3	2.1	.5	.1								3.9	4.8
ENE	.8	2.8	.3									3.9	4.6
E	1.8	2.8	.6									5.2	4.2
ESE	1.3	1.4										2.6	3.6
SE	.6	.6										1.2	3.5
SSE	.8	.9										1.7	3.5
S	2.4	3.7	1.5	.2								7.8	4.9
SSW	2.6	5.9	2.6	.7								11.9	5.5
SW	3.1	3.3	1.4	.3								8.2	4.8
WSW	1.4	2.4	.8	.1								4.7	4.8
W	1.5	2.3	.7	.1								4.6	4.7
WNW	1.0	.8	.1									2.0	3.7
NW	1.3	1.0	.1									2.4	3.7
NNW	.7	.7	.3	.2								2.0	5.4
VARBL													
CALM												30.9	
	23.5	34.2	9.3	2.1								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.7	1.4	.1								5.8	5.2
NNE	1.1	2.8	.7		.1							4.7	5.1
NE	1.6	1.4	.6									3.6	4.1
ENE	1.1	2.2	1.2									4.6	5.2
E	1.9	3.0	1.0									5.9	4.5
ESE	1.8	2.2	.6									4.6	4.2
SE	.7	.8	.1									1.6	3.8
SSE	1.9	1.0	.6									3.4	3.8
S	1.8	1.9	2.4	.6								6.7	6.1
SSW	1.1	4.3	4.3	2.3								12.1	7.4
SW	1.6	3.9	4.7	1.3								11.4	6.9
WSW	1.7	4.0	3.9	.9								10.4	6.7
W	1.0	4.2	2.9	.3	.1							8.6	6.3
WNW	.9	2.3	.7	.1								4.0	5.3
NW	1.0	1.3	.2	.1								2.7	4.7
NNW	1.1	1.9	.2									3.2	3.9
VARBL													
CALM												6.9	
	21.7	40.0	25.4	5.8	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GOLDMAN AAF KY 75-84 YEARS JUN MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.0	1.7	.1								7.2	4.8
NNE	.9	1.9	1.6	.1								4.4	5.9
NE	.6	1.9	1.6									4.0	5.8
ENE	1.0	1.7	.9									3.1	5.0
E	1.3	2.6	.9	.3								5.1	5.0
ESE	1.4	1.3	.6									3.3	4.1
SE	.7	.6	.1									1.3	3.7
SSE	.2	1.0	.4									1.7	5.0
S	1.2	1.3	1.9	.4								4.9	6.3
SSW	1.4	3.6	5.3	2.7								13.0	8.0
SW	1.1	3.2	4.3	2.3	.1							11.1	8.1
WSW	1.3	3.7	4.4	1.3	.1		.1					11.0	7.5
W	1.8	3.8	3.6	.6								9.7	6.2
WNW	1.1	2.1	1.7	.2								5.1	5.8
NW	1.1	2.3	1.1									4.6	5.0
NNW	1.4	2.3	1.6									5.3	5.1
VARBL													
CALM												5.1	
	19.1	35.8	31.6	8.1	.2		.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JULY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.5	.7	.3								6.9	4.7
NNE	1.6	2.9	1.5									6.0	5.1
NE	.9	1.2	.5									2.6	4.6
ENE	.6	2.4	1.7	.3								5.0	6.2
E	.6	1.5	1.2	.1								3.4	5.7
ESE	.6	.8	.2									1.6	4.2
SE	.5	.9	.6									1.9	5.1
SSE	.5	1.6	.6	.1								2.7	5.1
S	1.6	3.2	2.1	.7	.1							7.7	6.2
SSW	1.6	3.4	4.4	2.3	.3							12.0	7.8
SW	1.1	2.7	5.7	1.8	.1							11.4	7.9
WSW	.9	2.8	2.9	1.2								7.9	7.3
W	1.7	3.6	2.6	1.1								9.0	6.5
WNW	1.5	3.3	1.4	.6								6.7	5.5
NW	1.8	2.1	.9	.1								5.0	4.5
NNW	2.1	2.6	1.4	.3								6.4	5.1
VARBL													
CALM												3.7	
	19.8	38.6	28.3	9.0	.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 884

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.8	.8									6.8	4.1
NNE	2.3	1.8	.6	.1								4.8	4.2
NE	1.9	2.9	.6	.1								5.5	4.4
ENE	.6	2.2	.5									3.3	4.7
E	1.9	2.7	.4									4.9	3.8
ESE	1.3	1.8										3.1	3.6
SE	.6	1.1	.2									1.9	4.3
SSE	.9	.9	.4									2.2	4.3
S	2.1	4.1	2.3	.2								8.8	5.4
SSW	2.8	5.2	3.3	.7								12.0	5.6
SW	2.9	3.6	1.8	.4	.1							8.7	5.2
WSW	.7	2.1	1.3	.2								4.3	5.8
W	1.4	2.7	.7	.4								5.2	5.1
WNW	1.2	1.4	.7	.1								3.4	4.8
NW	2.2	1.6	.2									4.1	3.4
NNW	3.4	1.6	.4	.1								5.5	3.5
VARBL													
CALM												19.5	
	29.3	38.6	14.1	2.3	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 852

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

774240 FT KNOX/GOODMAN AAF KY 75-84 JUN

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

2100-2300

HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.4	.6									5.3	3.4
NNE	3.3	2.1										5.4	3.1
NE	1.4	2.1	.3									3.8	4.1
ENE	.7	1.7										2.4	4.1
E	1.7	1.1										2.8	2.9
ESE	1.0	.9	.6									2.4	4.3
SE	1.6	1.1										2.7	3.3
SSE	1.3	.9	.3									2.4	3.7
S	2.3	2.4	.9	.1								5.7	4.5
SSW	2.8	3.6	.9									7.3	4.3
SW	2.7	4.3	1.0	.1	.1							8.3	4.7
WSW	1.3	.7										2.0	3.2
W	1.0	.6	.1									1.7	3.5
WNW	1.4	.4	.1									2.0	3.3
NW	1.0	.7										1.7	3.1
NNW	1.3	.4	.4									2.1	3.7
VARBL													
CALM												42.0	
	28.0	24.5	5.1	.3	.1							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 703

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS JUN MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.2	.7	.1								5.5	4.3
NNE	1.9	2.3	.6	.1	.0							4.9	4.5
NE	1.2	1.7	.6	.1								3.6	4.6
ENE	1.0	1.9	.7	.0								3.6	4.8
E	1.7	2.1	.6	.1								4.5	4.2
ESE	1.2	1.3	.3									2.8	4.0
SE	.7	.7	.2									1.6	3.9
SSE	.8	1.0	.3	.0								2.2	4.2
S	1.9	2.6	1.6	.3	.0							6.4	5.4
SSW	2.0	4.2	3.2	1.2	.0							10.7	6.5
SW	2.1	3.5	2.8	.9	.1							9.4	6.2
WSW	1.3	2.5	2.0	.6	.0		.0					6.4	6.3
W	1.7	2.7	1.5	.3	.0							6.3	5.5
WNW	1.1	1.6	.7	.1								3.5	5.0
NW	1.3	1.3	.4	.0								3.0	4.2
NNW	1.7	1.4	.6	.1								3.7	4.3
VARBL													
CALM												22.0	
	24.0	33.1	16.7	4.0	.2		.0					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 6291

✓

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-78,83-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.5	.2									4.0	3.5
NNE	3.3	1.5	.4									5.1	3.3
NE	1.6	1.1	.7									2.9	3.0
ENE	2.2	.5	.2									2.9	2.7
E	2.2	1.8										4.0	3.2
ESE	1.6	.2										1.6	2.3
SE	.5	.2										.7	2.0
SSE	.2	.2										.4	3.0
S	1.5	.7	.7									2.9	4.5
SSW	1.6	2.7	.2									4.6	4.2
SW	4.0	4.0	.2									8.2	3.3
WSW	4.4	1.8	.5									6.7	3.4
W	1.8	2.2	.4									4.4	4.0
WNW	1.1	.7										1.6	3.0
NW	.7	.5	.2									1.5	3.6
NNW	.7	.2	.4									1.3	3.7
VARBL													
CALM												46.8	
	29.7	19.9	3.5									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

549

L

2

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

124240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED 'KNTS' DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.1	.7									4.2	3.1
NNE	2.4	2.1	.6									5.1	3.9
NE	2.8	.9	.7									3.5	3.1
ENE	1.2	.5	.7									1.8	3.4
E	1.3	.6										2.6	2.9
ESE	.5	.5										.9	3.8
SE	.3	.2										.9	2.5
SSE		.2										.2	4.0
S	2.7	1.1										3.0	3.3
SSW	1.8	1.7	.9									4.4	4.5
SW	2.4	2.4	.5	.2								5.4	4.0
WSW	3.7	1.5	.6	.2								5.3	3.9
W	2.1	2.7	.6									5.4	4.1
WNW	1.4	.8										2.1	2.9
NW	1.7	.3	.2									2.1	2.9
NNW	1.2	.2	.3									1.7	3.4
VARBL													
CALM												51.6	
	27.2	16.5	4.4	.3								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

665

AD-A159 613 FORT KNOX/GODMAN AAF KENTUCKY REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
UNCLASSIFIED TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 85
USAFETAC/DS-85/009 F/G 4/2

FORT KNOX/GODMAN AAF KENTUCKY REVISED UNIFORM SUMMARY
 OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL
 TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 85
 USAFETAC/DS-85/009 F/G 4/2

25

UNCLASSIFIED

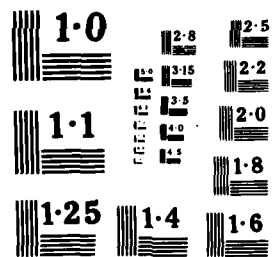
USAFETAC/DS-85/009

F/G 4/2

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS JUL
STATION NAME CLASS 0600-0800
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	.7									3.0	4.2
NNE	2.1	2.1	.2									4.5	3.6
NE	1.9	2.4	.6									4.8	4.0
ENE	2.4	1.9	1.0									5.3	4.5
E	1.9	1.6	.6									4.0	3.9
ESE	1.0	1.3	.1									2.5	3.5
SE	1.0	.4										1.5	3.2
SSE	.4	.9										1.3	3.5
S	1.7	1.9	.2									3.8	3.6
SSW	2.2	4.9	2.1									9.3	4.9
SW	3.9	4.7	.9	.1								9.7	4.3
WSW	2.0	2.6	.9	.3								5.8	5.0
W	1.9	3.4	.9									6.2	4.6
WNW	.8	1.1										1.9	3.6
NW	.6	.9										1.5	3.8
NNW	1.3	.3										1.7	2.6
VARBL													
CALM												33.1	
	26.5	31.7	8.2	.4								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 890

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	.8									3.4	5.0
NNE	1.2	1.9	1.0	.1								4.2	5.1
NE	.9	2.0	.4	.1								3.0	5.4
ENE	1.4	2.1	.9	.2								4.6	5.1
E	2.0	2.7	2.2									6.9	5.3
ESE	2.0	1.0	.9									3.8	4.5
SE	.2	.8	.3									1.3	5.3
SSE	1.3	1.2	.7									3.2	4.2
S	1.4	1.3	.8	.1								3.6	4.8
SSW	1.6	5.6	2.9	.2								10.3	5.7
SW	1.5	4.0	3.6	.8								9.9	6.3
WSW	1.5	3.6	5.2	.2								10.5	6.2
W	2.5	4.3	4.5	.3								11.6	6.1
WNW	1.9	3.7	.9	.1								6.6	4.6
NW	.8	2.6	.8									4.2	4.7
NNW	1.5	2.5	.2	.1								4.4	4.2
VARBL													
CALM												8.5	
	22.1	41.3	25.9	2.3								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.4	1.1	.2								6.7	4.9
NNE	1.2	2.5	.8									4.5	4.8
NE	1.0	2.1	1.5									4.6	5.7
ENE	.8	1.2	2.3	.1								4.4	6.4
E	1.2	2.1	2.0	.3								5.6	5.9
ESE	.8	1.1	.7									2.5	5.3
SE	.2	.7	.7									1.5	6.2
SSE	.4	.7	.4									1.5	4.7
S	1.7	1.8	2.2	.3	.1							6.1	6.1
SSW	1.5	3.3	3.4	.7								8.9	6.4
SW	1.0	3.4	3.2	.7								8.3	6.6
WSW	1.2	2.5	4.0	1.0								8.7	7.0
W	1.2	5.8	5.3	1.0								13.3	6.7
WNW	1.1	3.7	2.3	.1								7.3	5.6
NW	.8	3.2	.9									4.8	5.1
NNW	1.9	3.9	.6									6.3	4.6
VARBL													
CALM												4.6	
	18.0	41.4	31.3	4.4	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.5	2.6									6.4	5.2
NNE	1.3	2.8	.5	.1								4.7	5.0
NE	1.0	2.6	1.1	.2								5.0	5.5
ENE	.6	2.2	1.6									4.3	6.1
E	.7	2.2	1.5									4.3	5.7
ESE	.5	1.4	.5	.1								2.4	5.2
SE	.1	.6	.2									.9	5.1
SSE	.3	1.0	1.1	.2								2.7	6.9
S	.9	1.8	1.4	.1								4.2	5.6
SSW	1.0	3.8	3.4	.3								8.5	6.4
SW	1.0	4.3	4.2	.9	.1							10.6	6.8
WSW	.3	2.5	4.4	1.1								8.4	7.5
W	1.9	3.3	3.2	.9								9.3	6.4
WNW	1.7	3.1	1.6									6.4	5.0
NW	1.5	2.8	1.1	.2	.1							5.8	5.5
NNW	3.0	4.4	.8	.1								8.3	4.6
VARBL													
CALM												5.6	
	18.1	42.4	29.3	4.4	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.6	.2	.6								6.2	4.6
NNE	1.6	2.7	.7									5.1	4.3
NE	1.4	2.7	.8									4.9	4.8
ENE	1.4	1.5	.8									3.8	4.3
E	1.1	2.1	.4	.2								3.8	4.9
ESE	1.2	1.5	.6	.4								3.6	5.1
SE	.7	.7	.6									2.0	4.6
SSE	.5	1.2	.1									1.8	4.3
S	2.0	2.9	1.3	.1								6.4	4.9
SSW	2.0	3.2	2.1									7.3	5.1
SW	2.2	4.5	1.5									8.2	4.7
WSW	1.9	2.6	1.4	.2								6.1	5.2
W	2.1	2.4	.7		.2							5.4	5.0
WNW	3.6	2.6	.7									6.9	3.7
NW	4.1	1.2	.4									5.6	2.9
NNW	3.2	1.2	.4									4.7	3.3
VARBL													
CALM												18.1	
	31.9	35.5	12.7	1.5	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

850

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS JUL MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	1.4	.3	.3								6.3	3.4
NNE	2.6	2.0										4.5	3.2
NE	1.8	2.9	.3									5.0	4.0
ENE	1.0	1.0										2.0	3.4
E	2.1	1.5										3.6	3.1
ESE	.9	1.4	.1									2.4	3.9
SE	.3	.6										.8	3.3
SSE	.7	.7	.3									1.7	4.0
S	2.4	1.1	.1									3.6	3.1
SSW	2.8	3.5	.6	.1								7.0	4.2
SW	2.4	2.9	.7									6.0	4.0
WSW	1.3	1.3	.6									3.1	4.1
W	1.8	.3	.3									2.4	3.3
WNW	2.4	.4	.4	.1								3.3	4.0
NW	1.4	.3	.1									1.8	3.0
NNW	1.5	.4										2.0	2.9
VARBL													
CALM												44.6	
	29.4	21.6	3.8	.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION 75-84 YEARS JUL MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	.8	.1								5.4	4.4
NNE	1.6	2.2	.5	.0								4.7	4.2
NE	1.4	2.2	.7	.0								4.3	4.6
ENE	1.3	1.4	1.0	.0								3.8	4.9
E	1.6	1.9	.9	.1								4.5	4.7
ESE	1.7	1.1	.4	.1								2.6	4.5
SE	.5	.5	.3									1.3	4.4
SSE	.5	.8	.4	.0								1.7	4.8
S	1.7	1.6	.9	.1	.0							4.3	4.7
SSW	1.8	3.7	2.1	.2								7.8	5.4
SW	2.2	3.8	2.0	.4	.0							8.4	5.3
WSW	1.8	2.4	2.4	.4								7.0	5.8
W	1.9	3.2	2.2	.3	.0							7.6	5.7
WNW	1.8	2.2	.8	.0								4.8	4.5
NW	1.4	1.6	.5	.0	.0							3.6	4.3
NNW	1.9	1.8	.3	.0								4.0	4.0
VARBL													
CALM												24.2	
	24.9	32.7	16.2	1.9	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 6368

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-78,83-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.8	.4									4.7	3.6
NNE	3.1	3.2	.7									7.0	4.0
NE	2.3	2.0	.5									4.8	3.9
ENE	1.3	1.6										2.9	3.5
E	3.6	.9										4.5	2.7
ESE	.9											.9	2.0
SE	.5	.4										.9	3.0
SSE	.2		.2									.4	5.0
S	3.4	2.5										5.9	3.2
SSW	3.8	2.2										5.9	3.2
SW	5.0	3.2	.2									8.4	3.2
WSW	1.4	.4	.4									2.2	3.4
W	1.1			.2								1.3	3.6
WNW	.4	.2										.5	3.3
NW	.5	.4										.9	3.0
NNW	1.3	.4										1.6	2.8
VARBL													
CALM												47.2	
	31.2	19.0	2.3	.2								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

557

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2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240	FT KNOX/GODMAN AAF KY	75-84	AUG
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			0300-0500
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.8	.2									5.7	3.5
NNE	3.7	2.6	.8									7.1	3.7
NE	2.1	2.3	.6	.2								5.2	4.5
ENE	1.2	.8										2.0	3.3
E	2.0	.8										2.8	2.8
ESE	1.8	.2										2.0	2.2
SE	.3	.5										.8	3.8
SSE	.5	.2										.6	2.5
S	2.9	1.2	.2									4.3	2.9
SSW	4.3	3.4	.6									8.3	3.6
SW	3.2	1.5	.6	.2								5.5	3.8
WSW	1.7	1.4	.2									3.2	3.8
W	1.1	.2										1.2	2.5
WNW	.5	.3	.2	.2								1.1	5.1
NW	.3	.3	.3									.9	5.0
NNW	2.5		.2									2.6	2.4
VARBL													
CALM												46.8	
	37.8	18.3	3.7	.5								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 652

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS MONTH AUG
0600-0800
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.1	.2									3.3	3.6
NNE	2.2	4.5	1.7									7.7	4.4
NE	3.0	2.6	1.7									6.9	4.3
ENE	2.0	1.4	.5									3.6	4.0
E	2.2	1.3	.1									3.3	3.4
ESE	1.3	.3	.1									1.7	3.1
SE	1.0											1.0	2.1
SSE	.7	.3	.2									1.3	3.7
S	2.9	2.4	1.1									6.4	4.2
SSW	4.2	4.9	1.8									10.8	4.5
SW	7.2	2.4	1.1									6.8	3.9
WSW	1.5	1.3	.3									3.1	4.2
W	1.7	1.4	.7									3.3	3.5
WNW	.7	.2	.1									1.0	3.6
NW	.6	.2	.1	.1								1.0	4.2
NNW	.7	.2	.2									1.1	3.5
VARBL													
CALM												37.3	
	22.5	24.5	8.6	.1								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 871

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2

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 724240 STATION NAME FT KNOX/GODMAN AAF KY YEARS 75-84 MONTH AUG
CLASS ALL WEATHER HOURS (L & T) 0000-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.2	.7									4.3	3.9
NNE	1.0	1.4	1.2									3.5	5.5
NE	1.2	2.9	1.9									6.0	5.4
ENE	1.7	3.9	1.7									6.9	4.8
E	2.5	3.4	1.3									7.2	4.5
ESE	1.3	1.8	.1									3.6	3.6
SE	.8	.3										1.1	2.8
SSE	1.0	.9										1.8	3.7
S	2.0	4.3	1.7	.5								8.6	5.5
SSW	2.7	6.7	4.5	.9								14.7	6.0
SW	1.2	3.7	3.4	.6								8.3	6.7
WSW	1.4	4.0	3.1	1.3								9.8	5.7
W	1.5	3.2	2.6	.4								7.6	5.9
WNW	1.6	1.3	.5									3.4	4.0
NW	.0	.6	.3									1.8	4.1
NNW	1.9	.6	.5									3.1	4.1
VARBL													
CALM												7.7	
	25.2	40.5	22.8	3.8								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

L

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

124240 FT KNOX/BOUMAN AAF KY 75-84 AUG
STATION STATION NAME YEARS MONTH
1000-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.4	1.7									7.5	4.5
NNE	1.5	2.3	1.9	.1								6.2	5.3
NE	1.1	1.9	1.4									4.4	5.6
ENE	1.0	2.6	1.4	.4								5.4	5.9
E	1.7	2.3	.9	.1								4.2	5.1
ESE	1.3	1.2	.4									2.9	4.1
SE	.2	.7	.1									.5	3.8
SSE	.3	.4	.6									1.8	4.8
S	1.4	2.7	2.6	.4								7.3	6.2
SSW	1.6	4.3	6.5	.8								13.1	6.9
SW	.2	3.3	3.2	1.3								8.1	7.6
WSW	.8	3.1	4.2	1.1								9.1	7.4
W	2.4	4.6	4.3	.8								12.0	6.1
WNW	2.7	3.2	1.4									6.9	4.7
NW	1.1	1.1	.4									2.6	4.0
NNW	.3	2.4	.4									3.7	4.6
VARBL													
CALM												4.2	
	25.1	39.8	31.0	4.9								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

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

SURFACE WINDS

124240 STATION FT KNOX/GODMAN AAF KY 75-78,82-84 YEARS OCT MONTH
ALL WEATHER CLASS
CONDITION

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.5	.5									4.3	3.8
NNE	2.3	3.1		.2								5.5	3.8
NE	1.5	2.6	.5									4.6	4.4
ENE	1.1	2.0	.3									3.4	4.6
E	2.8	1.8										4.6	3.1
ESE	.8	.2										.9	3.3
SE	.3	.5										.8	4.4
SSE	.2	1.1	.3	.2								1.7	6.4
S	1.2	2.8	1.7	.2								5.8	5.7
SSW	1.4	2.2	1.2	.3								5.1	5.6
SW	2.0	1.7	1.5									5.2	4.9
WSW	1.7	.9										2.6	3.0
W	1.8	.9	.3	.2								3.2	3.9
WNW	2.3	.6	.2									3.1	2.8
NW	1.5	.8	.3									2.6	3.6
NNW	1.2	.9	.6									2.8	4.3
VARBL													
CALM												43.7	
	24.5	23.5	7.4	.9								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 650

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2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.0	.9	.0								6.5	4.3
NNE	2.4	3.9	1.3	.2	.0							7.9	4.9
NE	1.9	2.4	.3	.4								5.5	4.9
ENE	1.5	2.0	.6	.0								4.2	4.5
E	1.9	2.1	.4	.0	.0							4.4	4.0
ESE	1.0	.9	.1									1.9	3.5
SE	.6	.8	.1									1.5	3.9
SSE	.7	1.0	.3	.1								2.2	4.8
S	1.3	3.0	1.7	.2	.0							6.6	5.3
SSW	2.3	3.5	2.1	.3	.0							8.2	5.3
SW	1.3	2.1	1.2	.3								4.9	5.5
WSW	.9	1.2	.7	.1								2.8	5.0
W	1.1	2.1	.9	.1	.0							4.2	5.2
WNW	1.0	1.0	.5	.0								2.5	4.6
NW	1.4	1.2	.5	.1								3.2	4.3
NNW	1.5	1.7	.6									3.8	4.3
VARBL													
CALM												29.7	
	24.7	31.9	12.5	1.8	.1							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 6345

L

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION 724240 FT KNOX/GODMAN AAF KY 75-84 YEARS SEP MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.9	.1									5.8	3.5
NNE	3.0	1.9	.3	.1	.1							5.5	4.0
NE	2.1	1.8	.3	.3								4.4	4.2
ENE	1.0	.4										1.4	2.9
E	1.4	1.0	.4									2.7	3.9
ESE	.8	.1										1.0	2.4
SE	.3	.7										1.0	3.7
SSE	.1	.8	.4	.1								1.5	6.2
S	2.3	3.3	.4									6.0	3.9
SSW	3.3	2.1	.7									6.0	3.8
SW	1.5	1.0	.1	.3								2.9	4.4
WSW	.8	.5	.3									1.6	4.1
W	.8	.4	.1									1.4	3.2
WNW	1.1	.3	.3									1.6	3.9
NW	1.4	1.1	.3									2.7	4.0
NNW	1.1	1.5	.3									2.9	4.1
VARBL													
CALM												51.5	
	23.8	19.8	4.0	.8	.1							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1960-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	1.6	.1	.1								6.8	3.2
NNE	3.3	2.5	.5	.2								6.6	4.1
NE	1.7	2.2	.2	.5								4.5	4.9
ENE	1.6	1.1	.1	.1								2.9	4.1
E	1.8	1.7	.2									3.0	3.4
ESE	1.0	1.1										2.0	3.5
SE	1.0	1.1										2.0	3.5
SSE	1.4	1.6	.2									3.2	3.9
S	3.1	4.5	.5									5.1	4.0
SSW	2.0	3.0	.8									5.9	4.5
SW	1.4	1.6	1.1	.1								4.2	5.1
WSW	.7	.8	.2									1.8	4.7
W	1.6	.8	.2									2.6	3.4
WNW	1.1	.6	.1	.1								1.9	4.3
NW	2.6	1.0	.4									3.9	3.3
NNW	3.6	1.7	.1									5.4	3.0
VARBL													
CALM												35.1	
	32.9	25.9	4.9	1.2								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 FT KNOX/GODMAN AAF KY 75-84 SEP
STATION STATION NAME YEARS MONTH
1500-1700
HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	1.8									9.3	4.8
NNE	1.4	4.2	2.4	.1								8.1	5.7
NE	1.4	2.7	1.7	.8								6.6	6.2
ENE	1.9	3.8	.8									6.5	4.5
E	1.3	3.0	.5	.1								4.6	4.5
ESE	.9	.6										1.5	3.2
SE	.6	1.1	.1									1.8	4.4
SSE	.6	1.0	.8	.1								2.5	5.6
S	1.1	3.8	3.6	.2	.1							8.8	6.4
SSW	.9	3.7	3.8	.5								8.8	6.5
SW	1.3	3.2	2.2	.9								7.2	6.4
WSW	.8	2.4	1.1	.2								4.6	5.7
W	1.0	4.1	2.4	.3								7.9	5.9
WNW	1.0	1.4	1.3									3.7	5.2
NW	1.8	1.9	1.5	.1								5.4	5.0
NNW	2.1	3.1	.3									5.5	4.0
VARBL													
CALM												6.9	
	20.6	44.8	24.3	3.3	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 873

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.6	1.7									7.3	5.4
NNE	1.9	5.2	2.4	.2								9.7	5.3
NE	1.0	2.1	1.3	.6								5.1	6.1
ENE	1.0	2.2	1.3	.1								4.7	5.6
E	2.0	4.0	.4									6.5	4.3
ESE	.7	1.7	.1									2.5	4.5
SE	.4	.9	.3									1.7	4.8
SSE	.4	1.6	.9	.3								3.3	6.2
S	1.1	2.7	2.5	.3								6.6	6.3
SSW	1.2	3.8	5.3	.8	.1							11.2	7.0
SW	.7	2.9	2.1	.9								6.6	6.7
WSW	1.2	1.9	1.8	.2								5.2	5.7
W	1.5	4.3	2.4									8.1	5.7
WNW	1.0	2.7	1.1	.1								4.9	5.3
NW	1.0	1.8	1.1	.1								4.0	5.4
NNW	1.3	1.5	1.5									4.3	5.3
VARBL													
CALM												8.4	
	17.6	43.9	26.3	3.7	.1							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 891

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	.9									4.6	4.7
NNE	1.1	3.9	1.9	.3								7.3	5.8
NE	1.0	2.7	1.0	.3								5.1	5.5
ENE	2.0	4.4	1.3	.1								7.9	5.0
E	2.8	3.6	1.1	.2	.1							7.9	4.6
ESE	2.4	2.1	.3									4.8	3.6
SE	1.2	1.0	.3									2.6	4.0
SSE	1.5	1.6	.1									3.1	3.8
S	1.7	2.8	1.8	.8	.1							7.2	6.2
SSW	2.5	5.3	2.8	.9								11.4	5.8
SW	1.5	2.9	2.2	.2								6.8	5.8
WSW	1.7	1.6	1.2									4.5	4.8
W	2.0	3.0	1.2	.1								6.4	4.8
WNW	1.7	1.5	.7									3.8	4.3
NW	1.1	1.3	.1									2.6	4.0
NNW	.8	2.4	1.1									4.3	5.3
VARBL													
CALM												9.6	
	26.2	42.5	18.3	3.0	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

891

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.0	1.1									5.9	4.1
NNE	3.3	3.9	.9	.1								8.2	4.3
NE	3.4	3.9	.8	.2								8.3	4.1
ENE	1.9	1.4	.6									3.9	4.1
E	2.8	1.3										4.1	2.9
ESE	.9	.5										1.4	3.2
SE	.6	.6										1.2	3.5
SSE	.7	.1	.1									.9	3.0
S	1.8	1.6	2.0	.1								5.5	5.6
SSW	2.0	4.5	.6	.1								7.2	4.5
SW	1.8	1.9	.7									4.3	4.0
WSW	.6	.5										1.1	3.2
W	.8	.7	.2	.1	.1							2.0	5.0
WNW	.6	.8										1.4	3.9
NW	1.1	1.1										2.1	3.6
NNW	.8	1.3	.4									2.5	4.2
VARBL													
CALM												40.1	
	25.8	25.9	7.4	.7	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 853

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240 STATION 724240 FT KNOX/GODMAN AAF KY STATION NAME 75-84 YEARS SEP MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.9	.7	.1								5.6	4.0
NNE	3.0	5.2	.7	.3	.1							9.3	4.5
NE	2.7	1.8	.6									5.0	3.8
ENE	1.2	1.3	.1									2.7	3.6
E	1.3	1.3										2.7	3.4
ESE	.1	.3										.4	4.0
SE	.1	.3										.4	3.3
SSE	.3	.9										1.2	4.5
S	1.6	2.1	1.2									4.9	4.7
SSW	3.6	3.0	.4									7.0	3.7
SW	1.0	1.0	.1									2.2	3.7
WSW	.7	.4	.3									1.5	4.1
W	.6	1.2		.1								1.9	5.0
WNW	1.2	.1										1.3	2.3
NW	.7	.7		.1								1.6	3.8
NNW	1.3	.6	.3									2.2	3.7
VARBL													
CALM												49.9	
	22.4	22.2	4.6	.7	.1							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 675

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-78,62-84
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.5	.3									6.0	3.8
NNE	3.0	4.9	.3		.2							8.4	4.3
NE	2.3	2.0										4.4	3.3
ENE	1.5	.2										1.7	2.9
E	1.2	.7	.2									2.0	3.3
ESE	.7	.2										.8	3.0
SE	.7	.2										.8	2.6
SSE	.3	.5										.8	3.8
S	1.3	2.8	.7									4.9	4.5
SSW	4.0	2.2	1.0									7.2	3.8
SW	1.8	1.3	.2									3.4	3.6
WSW	.3	.8										1.2	4.0
W	.2	1.3										1.5	4.4
WNW	.2	.2										.3	3.0
NW	1.3	.5	.2	.2								2.2	3.9
NNW	.8	.7	.7									2.2	4.8
VARBL													
CALM												52.3	
	21.9	21.9	3.5	.2	.2							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	2.8	.6	.1								6.6	3.9
NNE	2.2	3.3	1.2	.1								6.8	4.6
NE	1.6	2.2	1.1	.9								5.0	4.8
ENE	1.4	1.7	.7	.1								3.8	4.6
E	2.0	1.8	.5	.0								4.3	4.1
ESE	1.2	.9	.1	.0								2.2	3.7
SE	.6	.4	.1									1.1	3.4
SSE	.7	.5	.2	.0	.0							1.5	4.3
S	2.4	2.9	1.4	.2								6.9	4.9
SSW	2.9	4.3	2.9	.3	.0							10.5	5.5
SW	2.4	2.8	1.9	.5								7.5	5.4
WSW	1.1	2.1	1.7	.5								5.3	6.2
W	1.8	2.0	1.6	.2								5.6	5.4
WNW	1.2	1.2	.5	.0								3.0	4.3
NW	1.1	.8	.3	.0								2.2	4.0
NNW	1.6	1.1	.4	.0								3.0	3.9
VARBL													
CALM												24.7	
	27.3	30.7	15.2	2.1	.0							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 6401

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	2.4	.3									8.1	3.0
NNE	3.3	3.1	.3									6.7	3.7
NE	1.8	1.8										3.6	3.4
ENE	1.1	1.0										2.1	3.4
E	2.4	1.0	.3									3.6	3.2
ESE	.7	1.0	.1									1.8	4.0
SE	1.3	.6	.1									2.0	3.7
SSE	1.7	.4	.1									2.2	3.1
S	2.6	2.8	.7									6.1	3.9
SSW	2.9	2.8	.3									6.0	3.7
SW	4.0	1.3	.3	.1								5.7	3.1
WSW	.7	.4										1.1	2.9
W	1.5	.4										2.0	2.9
WNW	.7	.4	.3									1.4	3.6
NW	1.3	.4										1.7	2.5
NNW	.6	.8	.3									1.7	4.1
VARBL													
CALM												44.2	
	32.1	20.5	3.1	.1								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

717

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.6	3.3	.8	.2								10.0	3.9
NNE	2.4	3.9	.9									7.2	4.4
NE	1.5	1.9	.4									3.8	4.0
ENE	1.7	.8	.2	.1								2.8	3.7
E	1.1	1.7	.4									3.1	4.2
ESE	.9	1.1	.1									2.1	4.1
SE	.7	.8	.4									1.9	4.1
SSE	.5	.2	.6	.1								1.4	5.8
S	3.3	3.2	.8	.2								7.6	4.3
SSW	3.3	4.5	1.5									9.4	4.6
SW	2.3	3.4	1.1	.1								6.9	4.6
WSW	.9	1.8	.5	.4								3.6	5.5
W	2.4	1.4	.8	.1								4.7	4.2
WNW	1.4	1.1	.5									3.0	4.0
NW	2.0	.8	.2	.2								3.3	3.8
NNW	2.4	.9	.4									3.7	3.4
VARBL													
CALM												25.5	
	32.4	31.0	9.6	1.5								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 843

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	5.1	1.2	.2								8.9	4.7
NNE	1.8	4.8	2.3	.3								9.2	5.5
NE	.6	2.1	1.8	.2								4.7	6.3
ENE	.9	.9	1.3									3.1	5.6
E	1.9	2.3	.4	.2								4.9	4.5
ESE	.6	1.1	.1	.1								1.9	5.0
SE	.3	.4										.8	3.4
SSE	.3	1.1	.1		.1							1.7	5.5
S	1.1	3.7	3.1	.3								7.5	6.4
SSW	1.2	4.3	5.7	.8	.1							12.1	6.9
SW	1.6	3.7	3.4	1.1								9.8	6.6
WSW	.8	2.9	3.3	.4								7.4	6.7
W	2.0	2.8	3.4	.2								8.4	6.0
WNW	1.7	2.1	.7									4.4	4.2
NW	1.7	2.0	.7									4.3	4.4
NNW	2.3	2.7	.8	.1								5.9	4.3
VARBL													
CALM												5.0	
	21.0	41.3	28.4	4.1	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 901

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	.7									3.3	4.1
NNE	1.4	3.7	.7	.1								6.0	4.1
NE	1.7	2.6	.4	.1								4.8	4.1
ENE	.4	2.1	.7									3.2	5.1
E	2.5	1.2	.1									3.9	3.1
ESE	1.0											1.0	2.1
SE	.1	.1	.1									.4	5.1
SSE	.1	1.0	.3									1.4	4.1
S	.6	3.6	2.2	1.1								7.5	6.1
SSW	1.7	3.0	1.2	.7								6.6	5.1
SW	2.1	2.2	1.2	.1								5.7	4.1
WSW	1.9	1.2	.4	.4								4.0	4.1
W	2.2	1.8	.4	.3								4.7	4.1
WNW	1.2	.4	.3									1.9	3.1
NW	1.2	.6	.7									2.5	4.1
NNW	2.1	1.2	.6									3.9	3.1
VARBL													
CALM												39.2	
	21.2	26.6	10.1	2.9								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 72

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.1	.3									3.6	3.8
NNE	.9	2.8	.9	.1								4.7	5.1
NE	1.1	3.3	.4	.2								5.1	4.6
ENE	1.6	2.9	.1									4.6	3.8
E	4.3	1.8	.2									6.3	3.1
ESE	1.0	1.0										2.0	3.3
SE	.2	.1	.3									.7	5.8
SSE	.2	.4	.6									1.2	5.9
S	1.3	3.4	2.4	.3								7.4	6.1
SSW	1.9	3.8	1.7	.8								8.2	5.6
SW	2.9	1.9	1.0									5.8	4.3
WSW	1.2	1.5	1.1	.4								4.3	6.1
W	2.4	2.2	.8									5.4	4.3
WNW	1.6	1.1		.1								2.8	3.5
NW	.8	1.1	.6	.1								2.6	5.0
NNW	1.5	1.5	.2									3.1	3.8
VARBL													
CALM												32.2	
	25.0	30.0	10.7	2.1								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

891

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	1.4	.1								4.9	5.5
NNE	1.2	1.4	1.1	.4								4.1	6.1
NE	.8	.9	1.2									2.8	5.6
ENE	1.3	2.5	1.3									5.1	5.2
E	3.6	5.1	2.3	.3								11.0	4.8
ESE	2.0	1.3	.4									3.7	3.9
SE	.7	.3	.3	.1								1.4	4.9
SSE	1.6	.9	1.4	.1	.1							4.1	5.9
S	1.5	2.5	4.3	2.3	.1							10.7	7.8
SSW	1.8	3.8	3.9	1.4								11.0	6.6
SW	1.2	2.8	2.0	.7								6.6	6.0
WSW	1.3	1.8	2.7	.3	.3							6.5	6.9
W	1.2	2.2	3.8	.9								8.0	7.2
WNW	1.2	2.5	.9									4.6	4.8
NW	.7	1.8	.4		.1							3.0	5.3
NNW	1.8	2.1	1.1									5.0	4.7
VARBL													
CALM												7.5	
	22.9	34.2	28.2	6.6	.7							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 922

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.4	1.7	.4	.1							7.1	5.9
NNE	.8	1.9	1.4	.5								4.7	6.3
NE	.2	.9	.3	.2								1.6	6.3
ENE	1.4	1.6	1.0	.1								4.1	4.9
E	2.2	3.7	1.5	.1								7.5	4.7
ESE	1.3	1.6	.9	.2								4.0	5.1
SE	.6	.8	.1									1.5	4.1
SSE	1.1	.5	1.6	.2		.2						3.7	7.1
S	1.9	2.8	5.0	2.8	.4	.1						13.1	8.2
SSW	1.0	2.3	4.2	2.7								10.2	8.3
SW	.2	1.9	2.9	1.1								6.2	8.0
WSW	.9	2.9	3.8	1.3								8.9	7.5
W	.5	2.9	4.1	1.8	.2							9.6	8.3
WNW	.9	2.7	2.6	.3								6.5	6.6
NW	.5	2.4	.9									3.8	5.2
NNW	.4	2.7	1.3		.1							4.0	6.1
VARBL													
CALM												3.6	
	15.5	34.5	33.3	11.9	.9	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.7	1.8	.1								6.7	5.8
NNE	.5	1.6	1.9	.3								4.4	6.6
NE	.8	1.4	.5									2.7	4.6
ENE	.5	2.0	.2									2.7	4.6
E	.7	2.7	1.2	.1								4.7	5.4
ESE	.9	2.2	.8									3.8	4.8
SE	1.2	.8	.1									2.1	3.4
SSE	1.5	1.6	1.4	.3		.2						5.2	6.4
S	1.3	3.1	5.6	1.5	.3	.1						12.0	8.0
SSW	.5	2.7	4.3	1.2								8.8	7.7
SW	.9	1.8	3.2	.3								6.1	7.1
WSW	1.1	2.1	3.0	.5								6.7	6.6
W	1.3	3.3	4.2	1.2	.1							10.1	7.4
WNW	1.8	3.5	3.1	.5								8.9	6.1
NW	1.0	2.2	1.2	.3								4.7	5.6
NNW	2.1	2.5	.3									4.9	4.0
VARBL													
CALM												5.5	
	17.2	37.3	32.7	6.6	.4	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724243 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS OCT MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.9	.8	.2								5.8	4.4
NNE	2.2	1.8	.7									4.7	3.9
NE	1.7	1.4										3.1	3.1
ENE	1.0	1.6										2.6	3.7
E	1.7	2.3	.3									4.3	4.0
ESE	.9	1.5										2.4	3.9
SE	1.0	1.1	.1									2.3	3.7
SSE	.9	1.9	.8		.3							4.0	5.9
S	3.2	4.4	2.3									9.9	4.8
SSW	1.5	2.6	.8	.1								5.0	4.9
SW	2.2	1.5	.3	.6								4.6	4.7
WSW	.6	1.5	.3									2.4	4.7
W	1.7	1.7	1.1									4.6	5.0
WNW	1.5	.9	.8	.1								3.3	4.7
NW	2.5	1.8	.3									4.7	3.7
NNW	1.9	1.5	.3	.1								3.9	4.1
VARBL													
CALM												32.5	
	27.4	29.5	9.1	1.1	.3							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 877

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	.9	.1								4.9	4.6
NNE	.8	2.4	.4									3.6	4.4
NE	1.7	2.0										3.7	3.4
ENE	1.4	1.9	.3									3.6	4.0
E	3.2	2.0	.1									5.4	3.4
ESE	.4	.5										.9	4.0
SE	.5	.6										1.1	3.4
SSE	.1	.4	1.3	.1								1.9	7.7
S	1.9	2.3	2.7	.5								7.4	6.1
SSW	1.8	1.5	.8	.4								4.5	5.0
SW	1.5	1.1	1.0	.3								4.0	4.9
WSW	1.0	1.3	.3	.1								2.7	4.3
W	1.1	1.9	.4									3.4	4.5
WNW	1.4	.6	.3	.1								2.8	3.5
NW	2.3	.9	.1									3.1	3.1
NNW	1.7	.5	.9									3.1	4.5
VARBL													
CALM												44.1	
	22.9	22.1	9.3	1.7								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

783

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	1.0	.1	.0							5.2	5.0
NNE	1.2	2.3	.9	.2								4.7	5.2
NE	1.1	1.8	.4	.1								3.5	4.4
ENE	1.1	2.1	.5	.0								3.7	4.5
E	2.6	2.7	.7	.1								6.1	4.1
ESE	1.0	1.1	.3	.0								2.5	4.2
SE	.6	.6	.1	.0								1.3	4.1
SSE	.8	1.0	1.0	.1	.1	.1						3.0	6.3
S	1.7	3.1	3.4	1.2	.1	.0						9.5	7.0
SSW	1.4	2.8	2.4	1.0								7.6	6.5
SW	1.6	1.9	1.7	.4								5.6	5.8
WSW	1.2	1.7	1.6	.4	.0							4.9	6.2
W	1.5	2.2	2.7	.6	.0							6.4	6.4
WNW	1.5	1.6	1.1	.2								4.4	5.1
NW	1.3	1.5	.6	.1	.0							3.4	4.6
NNW	1.6	1.6	.7	.0	.0							3.9	4.5
VARBL													
CALM												24.5	
	21.9	30.2	18.5	4.5	.3	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

6681

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-78,80,82-84
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.6	.8	.2								3.7	4.4
NNE	1.3	1.1	.5									2.9	4.5
NE	1.0	1.6	.8									3.4	4.7
ENE	.6	1.3	1.4									3.4	6.0
E	1.8	1.4	.5									3.7	4.1
ESE	.6	1.0	.5									2.1	4.8
SE	1.1	1.0	.3									2.4	4.1
SSE	1.4	1.4	.9	.2								3.9	4.9
S	.5	2.6	1.8	1.9								6.8	7.9
SSW	1.6	2.4	3.1	1.0	.3							8.4	7.2
SW	2.1	3.7	1.0	.2								6.9	4.8
WSW	.3	.8	1.1	.3								2.6	7.8
W	1.6	2.4	3.4	1.1	.2							8.7	7.2
WNW	1.0	1.4	1.3	.5								4.2	6.4
NW	.6	1.4	.2									2.3	4.5
NNW	1.3	.8	.8	.8								3.7	6.7
VARBL													
CALM												31.2	
	19.0	25.1	18.2	6.1	.5							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

622

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GOUMAN AAF KY
STATION NAME

75-78,82-84
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.9	.6									4.4	4.3
NNE	.5	1.3	.3									2.1	4.7
NE	1.1	1.1	1.3									3.6	5.3
ENE	.8	.0	.8									2.6	4.8
E	2.1	1.8	.6									4.5	4.0
ESE	.8	1.6	.5									2.9	4.8
SE	.6	.6	.3	.2								1.8	5.4
SSE	.5	1.3	1.8	.2								3.4	6.5
S	.8	2.6	2.1	1.1	.3							7.0	7.8
SSW	.5	3.2	2.1	2.4	.3							8.6	8.6
SW	.8	2.9	1.0									5.7	5.6
WSW	.5	1.1	1.1	.2								2.9	6.3
W	1.7	3.4	2.4	.3			.2					7.3	6.6
WNW	.6	3.6	2.3	.3								6.6	6.2
NW	1.3	.8	.5									2.6	3.9
NNW	.2	1.0	.5	.3								1.9	6.7
VARBL													
CALM												32.0	
	13.9	29.0	19.3	5.0	.6		.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

618

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-P4
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.1	.1								4.9	4.9
NNE	1.5	.5	.2									2.2	3.6
NE	1.1	2.1	1.1									4.3	5.3
ENE	1.0	1.8	.9	.1								3.0	5.1
E	1.9	2.6	1.0	.2								5.6	4.8
ESE	.5	.9	.1	.1								1.6	4.6
SE	.4	.6										1.0	3.5
SSE	.5	1.2	1.5									3.2	6.6
S	1.2	2.7	2.2	1.3	.1							7.6	7.2
SSW	2.1	2.5	4.7	1.5	.1							10.8	7.1
SW	.7	2.1	1.6	.2								4.7	6.1
WSW	.7	1.6	.9	.7								3.9	6.5
W	2.7	3.2	2.5	.6								9.0	5.6
WNW	1.3	2.3	1.6	.4								5.6	5.6
NW	.9	.7	.2	.1								2.0	4.6
NNW	1.2	.6	.4									2.2	3.8
VARBL													
CALM												27.6	
	19.4	27.4	19.9	5.5	.2							104.0	4.2

TOTAL NUMBER OF OBSERVATIONS

415

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 FT KNOX/GODMAN AAF KY 75-84 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (LST)

SPEED KNTS/ DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.0	1.1	.1								3.4	1
NNE	.8	2.1	1.5									4.4	5.5
NE	.6	2.0	1.3									3.8	5.5
ENE	.6	1.6	2.0	.3								4.5	6.7
E	2.2	2.4	.9	.1								5.6	4.7
ESE	2.3	2.2	1.7	.1								5.6	4.4
SE	.8	.7	.1	.1								1.7	4.1
SSE	.8	1.0	.9	.5								3.2	6.6
S	1.4	3.0	4.3	1.8	.6							11.0	8.1
SSW	1.5	3.9	5.6	2.1	.3							13.4	7.6
SW	.9	1.7	2.6	.9	.1							6.3	7.2
WSW	.7	1.6	1.6	.7	.1							4.7	7.4
W	.6	2.5	4.3	3.0	.1							10.5	8.7
WNW	.7	1.6	3.6	.2								6.1	7.0
NW	.1	1.7	1.1									3.0	6.4
NNW	1.0	1.0	.8									2.9	4.7
VARBL													
CALM												9.8	
	16.1	30.1	32.8	10.0	1.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 870

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 75-84 YEARS NOV MONTH
1000-1400 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.2	1.3	.1								4.7	6.1
NNE	.9	.8	1.4									3.1	5.7
NE	.5	.8	1.0									2.3	5.8
ENE	.7	1.8	2.4									4.9	6.0
E	1.3	1.7	1.5	.2								4.7	5.6
ESE	1.3	1.7	.9									3.9	5.0
SE	1.0	1.4	.2	.1								2.8	4.4
SSE	.7	1.5	.7	.6								3.4	6.4
S	.6	3.6	3.8	2.3	.2							10.4	6.3
SSW	1.4	2.4	4.8	3.7	.5							12.7	9.1
SW	.2	2.1	4.2	1.8	.2							8.6	6.8
WSW	.8	2.4	2.9	1.6	.6							6.2	6.5
W	.9	2.6	5.2	4.0								12.7	8.8
WNW	.2	1.6	3.6	.7	.1							6.2	8.1
NW	.7	.8	1.5	.3		.1						3.4	7.2
NNW	.5	1.7	.3	.1								2.6	5.3
VARBL													
CALM												5.2	
	12.2	29.2	36.2	15.6	1.6	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 871

2
 LOCAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 124240 STATION NAME FT KNOX/GODMAN AAF KY YEARS 75-84 MONTH NOV
 CLASS ALL WEATHER HOURS 1500-1700
 CONDITION

SPEED (KNTS) DIP	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.9	.9									3.3	4.8
NNE	.5	2.2	1.3									4.5	6.1
NE	.3	1.5	.7	.1								3.1	5.2
ENE	.5	1.9	1.5	.2								4.1	6.1
E	1.1	1.4	1.7	.3								4.5	6.3
ESE	.7	.7	.6									1.9	4.8
SE	.7	.8	.1									1.6	4.0
SSE	.9	2.1	1.1	.5								4.6	6.1
S	1.4	4.6	4.1	2.1	.2							12.4	7.2
SSW	1.0	4.0	4.0	3.0	.1							12.2	8.1
SW	1.1	2.8	2.2	1.3	.2							7.6	7.6
WSW	.5	1.3	2.2	2.1	.1							6.1	9.1
W	.5	3.0	5.8	3.0	.6							13.0	9.0
WNW	1.0	1.8	1.9	1.3								6.1	7.3
NW	.7	1.1	1.1	.8	.1							3.9	7.5
NNW	.9	1.4	.3	.1								2.8	4.7
VARBL													
CALM												6.4	
	14.0	33.4	30.2	14.7	1.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 872

2

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

74-84
YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.2	2.2	.4	.0							7.5	5.8
NNE	.7	2.2	1.7	.4	.1							5.1	6.7
NE	.6	1.8	1.8	.5	.0	.0						4.9	5.8
ENE	.9	1.8	2.0	.5	.1							5.3	6.8
E	1.0	2.4	2.2	.6	.0							6.1	6.5
ESE	.7	1.4	.7	.1								3.0	5.4
SE	.6	.3	.4	.1	.0							1.9	5.5
SSE	.4	1.1	.3	.2	.0	.0						2.5	6.8
S	1.0	1.9	1.8	.9	.1							5.7	7.1
SSW	1.3	2.3	1.7	.8	.1							6.3	6.7
SW	.3	1.6	1.3	.7	.0							4.5	6.9
WSW	.8	2.0	1.9	.9	.2	.1	.0	.0				6.1	7.9
W	1.3	3.6	4.0	1.9	.3	.1						11.1	7.9
WNW	1.1	2.2	2.7	.8	.1	.0						7.0	7.1
NW	1.0	2.0	1.7	.6	.0							4.9	6.3
NNW	1.0	2.3	1.3	.3								5.1	5.7
VARBL													
CALM												15.0	
	15.3	32.7	27.3	9.8	1.1	.3	.0	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

9334

USAFETAC

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 724240 FT KNOX/GODMAN AAF KY 74-84 YEARS ALL MONTH ALL HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.2	1.7	.2	.0							5.2	4.9
NNE	1.4	2.1	1.5	.2	.3							4.6	5.2
NE	1.7	1.7	.9	.2	.0	.0						3.8	5.3
ENE	1.3	1.9	1.2	.2	.0							4.3	5.7
E	1.7	2.4	1.2	.2	.0							5.5	5.1
ESE	1.1	1.2	.5	.1	.0							2.9	4.7
SE	.6	.8	.3	.1	.0	.0						1.9	4.9
SSE	.7	1.0	.7	.3	.0	.0						2.7	6.2
S	1.5	2.6	2.4	1.1	.2	.3						7.8	7.0
SSW	1.6	3.0	2.9	1.4	.2	.0						9.1	7.1
SW	1.5	2.3	1.9	.8	.1	.0	.0					6.7	6.7
WSW	1.0	1.8	1.8	.9	.1	.0	.0	.0				5.6	7.4
W	1.4	2.7	2.8	1.4	.2	.0	.0					6.6	7.4
WNW	1.1	1.8	1.7	.6	.0	.0						5.3	6.6
NW	1.1	1.4	.9	.2	.0	.0						3.6	5.6
NNW	1.2	1.5	.8	.1	.0							3.6	5.1
VARBL													
CALM												19.3	
	19.7	30.2	21.0	8.1	.9	.1	.0	.0				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

74659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724240 STATION FT KNOX/GODMAN AAF KY 74-83 YEARS DEC NORTH
ALL WEATHER CLASS ALL HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	1.1	.1								4.3	5.4
NNE	.5	1.1	.4	.0	.0							2.4	5.7
NE	.4	1.0	.6	.2								2.2	6.2
ENE	.7	1.3	.9	.2								3.1	5.6
E	1.4	2.4	.0	.1								4.8	4.9
ESE	1.0	1.6	.4	.0								2.9	4.4
SE	.5	1.1	.5	.1		.0						2.4	5.7
SSE	.7	1.0	1.2	.5	.0							3.5	7.1
S	1.4	3.0	3.3	1.6	.3	.0						9.7	7.7
SSW	1.7	3.3	5.1	3.2	.2							13.5	8.2
SW	1.0	1.9	3.0	1.8	.2	.0						7.8	8.2
WSW	.5	1.7	2.2	1.1	.2	.1						5.8	8.5
W	1.4	2.9	4.0	1.7	.3	.0						10.4	7.9
WNW	1.0	2.0	3.0	1.3	.1	.0						7.4	7.9
NW	.3	1.4	1.6	.6	.0							4.4	6.9
NNW	.9	1.5	1.2	.2								3.8	5.9
VARBL													
CALM												11.5	
	15.0	29.3	29.9	12.8	1.3	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 5657

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

74-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	1.5									3.9	5.6
NNE	.3	.5	.6									1.5	5.8
NE		1.1	.8	.5								2.4	8.0
ENE	.2	.5	.8	.3								1.8	7.8
E	.8	2.3	1.1	.2								4.4	5.4
ESE	.8	1.1	.2									2.1	3.8
SE	.5	.8	.5	.5								2.3	6.9
SSE	1.3	.3	2.1	.8								4.5	7.4
S	1.6	2.9	4.1	1.9								10.6	7.5
SSW	1.6	2.8	3.7	1.3								9.4	7.0
SW	1.0	2.8	2.1	.8								6.7	6.7
WSW	.5	1.6	2.1	.2	.2							4.5	7.5
W	1.5	2.6	1.1	.3								5.5	5.4
WNW	1.9	3.7	2.4	.3								8.3	5.8
NW	1.1	1.1	3.4	.8								6.5	7.4
NNW	.6	1.3	2.3	.8								5.0	7.7
VARBL													
CALM												20.6	
	14.3	27.3	28.9	8.8	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

616

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

124240
STATION

FT KNOX/GOUMAN AAF KY
STATION NAME

74-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1900-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.3	.2								2.3	5.3
NNE	.9	.9	1.4	.2								3.3	6.4
NE	.3	.9	.5	.5								2.2	7.1
ENE	.6	.9	.8	.5								2.8	6.3
E	2.0	1.4	.8									4.2	4.0
ESE	1.4	2.2	.2									3.7	4.0
SE	1.1	2.2	.9	.3								4.5	5.7
SSE	1.2	1.5	.8	.3								3.9	5.5
S	2.2	5.6	3.7	1.2	.2	.2						13.0	6.5
SSW	2.6	3.7	2.8	1.2								10.4	6.2
SW	1.1	1.4	1.2	.6		.2						4.5	6.7
WSW	.3	.2	.9	.6								2.0	9.2
W	2.3	4.3	2.5	.3	.2							9.6	5.7
WNW	1.5	1.7	4.0	1.4								8.7	7.8
NW	1.5	2.3	1.7	1.1								6.7	6.4
NNW	1.4	.9	.6	.3								3.3	5.1
VARBL													
CALM												15.2	
	21.4	31.1	23.1	8.7	.3	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

646

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240 STATION FT KNOX/GODMAN AAF KY 74-83 YEARS DEC MONTH
1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	1.6	.2								4.6	5.7
NNE	.5	.8	1.0		.1							2.4	6.6
NE	.2	.7	.2	.1								1.2	5.9
ENE	.8	1.2	1.2	.1								3.4	5.6
E	1.2	2.1	1.1									4.5	5.1
ESE	.6	1.7	.3									2.6	4.7
SE	.5	1.4	.7	.1								2.6	5.8
SSE	.2	2.5	1.8	.2								4.7	6.6
S	.7	3.3	3.4	2.3	.1							9.7	8.1
SSW	1.4	3.7	5.6	3.8	.1							14.7	8.6
SW	.2	1.6	3.8	1.9	.3							7.9	9.2
WSW	.5	1.7	2.1	1.4	.2	.1						6.0	8.7
W	.6	2.6	6.0	3.4	.2							12.8	9.0
WNW	.6	2.7	3.7	2.3	.1							9.4	6.5
NW	.7	1.4	1.1	.5								3.6	6.8
NNW	1.4	2.3	1.6									5.2	5.3
VARBL													
CALM												4.6	
	11.2	31.1	35.5	16.3	1.2	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 885

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

74-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.9	1.6	.1								4.0	6.5
NNE	.1	1.8	.8									2.7	5.8
NE	.6	1.0	.6	.1								2.3	5.5
ENE	.5	1.4	1.0									2.6	5.8
E	1.6	2.6	.9	.1								5.2	4.9
ESE	.8	1.5	.8	.1								3.2	5.4
SE	.8	.9	.2	.1								2.0	4.7
SSE	.8	.6	1.4	.2	.1							3.1	7.0
S	.7	3.3	3.6	1.9	.5							9.9	8.3
SSW	.2	1.8	6.1	5.3	.7							14.1	10.4
SW	.6	1.4	3.1	3.8	.7							9.5	10.3
WSW	.2	2.7	3.8	2.4	.5							9.6	9.4
W	1.6	1.8	6.1	3.4	.8	.2						13.9	9.4
WNW	.5	1.4	2.9	1.8	.2							6.8	9.2
NW	.5	1.1	1.5	.6	.1							3.7	7.3
NNW	.6	1.1	1.5	.5								3.6	7.1
VARBL													
CALM												3.6	
	10.2	26.2	35.8	20.5	3.5	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

885

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATIONFT KNOX/GODMAN AAF KY
STATION NAME74-83
YEARSDEC
MONTHALL WEATHER
CLASS0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	.3	.1								3.7	4.6
NNE	.8	1.7	1.0									3.5	5.3
NE	.3	1.1	.9	.1								2.5	6.4
ENE	.8	2.6	1.1	.1								4.6	5.5
E	1.4	2.8	1.2									5.4	5.2
ESE	1.5	2.5	.7									4.6	4.8
SE	.5	.7	.6	.1								1.8	6.1
SSE	.7	.9	1.0	.8								3.4	7.9
S	1.2	3.1	4.1	1.1	.5							9.9	7.7
SSW	1.6	2.5	7.6	4.1								15.7	8.6
SW	.2	1.7	3.6	2.1	.1							7.8	9.2
WSW	.3	2.1	2.0	1.2	.2	.3						6.3	9.0
W	1.2	3.5	5.8	1.7	.2							12.4	7.9
WNW	1.1	1.5	2.1	1.0	.5							6.2	8.1
NW	.3	1.6	1.2	.6								3.7	7.3
NNW	.7	1.2	1.1									3.1	5.7
VARBL													
CALM												5.2	
	13.9	31.5	34.5	13.1	1.5	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724242 FT KNOX/GODMAN AAF KY 74-83 DEC
STATION STATION NAME YEARS MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.1	1.1	.1								4.6	5.0
NNE	.3	1.5	.5									2.8	5.0
NE	.4	1.3	.3									2.0	4.9
ENE	1.3	.9	.5									2.6	4.1
E	1.5	3.5	.4	.1								5.5	4.5
ESE	.7	1.3										2.0	3.3
SE	.4	1.5	.7									2.5	5.3
SSE	.5	.8	.7	.4	.1							2.5	7.4
S	2.5	2.3	3.2	1.1	.4							9.2	7.2
SSW	2.5	5.3	5.2	2.7	.1							15.9	7.3
SW	1.5	2.1	2.9	.9								7.5	6.7
WSW	1.1	.9	1.5	.9								4.4	7.2
W	1.2	2.7	3.6	.9	.1							8.6	7.5
WNW	1.2	1.3	3.2	.9								6.7	7.6
NW	.8	1.1	.8	.7								3.3	6.7
NNW	.9	1.5	.5	.3								3.2	5.0
VARBL													
CALM												16.2	
	18.9	29.9	25.1	9.1	.8							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 748

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATIONFT KNOX/GODMAN AAF KY
STATION NAME74-78, 82-83
YEARSDEC
MONTHALL WEATHER
CLASS0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.4	1.2									6.1	4.
NNE	.2	.6	.4	.2								1.4	6.
NE	.4	.6	.4	.2								1.6	6.
ENE	.9	1.2	.6	.2								2.8	5.
E	1.6	2.6	.4	.2								4.8	4.
ESE	1.0	.6	.2									1.6	3.
SE	.4	1.0	.2									1.6	4.
SSE	.6	.4	1.0	.8								2.8	8.
S	1.4	1.6	1.6	1.6	.6							6.9	8.
SSW	2.8	4.6	3.8	3.0	.2							14.5	7.
SW	2.0	2.2	2.6	1.4								8.3	7.
WSW	.6	2.2	2.5	.8								6.3	7.
W	1.2	3.4	2.6	1.2	.8							9.3	8.
WNW	.6	2.0	3.0	1.4		.2						7.3	8.
NW	.4	1.6	1.8									3.8	6.
NNW	1.2	2.0	.4									3.6	4.
VARBL													
CALM												17.0	
	17.8	29.3	23.0	11.1	1.6	.2						100.0	5.

TOTAL NUMBER OF OBSERVATIONS

49

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

74-78,82-83
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	1.8	.2								5.8	5
NNE	.4	.4										.8	3
NE	.6	1.6	1.0	.2								3.4	5
ENE	1.0	1.2	.6	.2								3.0	5
E	1.2	1.4	.9	.2								3.6	5
ESE	1.0	.8	.4									2.2	4
SE	.2	.8	.6			.2						1.8	7
SSE	.6	.6	.2	1.0								2.4	6
S	1.0	1.0	3.6	1.8								7.4	8
SSW	1.2	2.8	3.6	2.2	.4							10.3	8
SW	2.6	3.2	3.6	1.4								10.9	6
WSW	.8	2.0	2.0	1.0	.2							6.0	7
W	1.8	3.0	1.6	1.0								7.4	6
WNW	.4	2.0	2.6	.6								5.6	7
NW	1.2	1.6	1.8	.4								5.0	6
NNW	.6	1.4	1.2									3.2	6
VARBL													
CALM												20.9	
	16.1	26.4	25.6	10.3	.6	.2						100.0	5

TOTAL NUMBER OF OBSERVATIONS 41

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

724240
STATIONFT KNOX/GODMAN AAF KY
STATION NAME75-84
YEARSNOV
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	1.5	1.7	1.0	.1								4.4	4.9
NNE	1.2	1.4	.9									3.5	4.8
NE	.9	1.4	1.1	.0								3.4	5.3
ENE	.7	1.4	1.3	.1								3.5	5.7
E	1.6	1.8	1.1	.2								4.8	5.1
ESE	1.1	1.4	.6	.1								3.2	4.7
SE	.9	1.1	.2	.1								2.3	4.2
SSE	1.0	1.3	1.0	.3								3.5	5.8
S	1.3	3.5	3.0	1.8	.2							9.8	7.5
SSW	1.5	3.0	3.4	2.0	.2							10.2	7.6
SW	1.0	2.4	2.1	.8	.1							6.4	6.9
WSW	.6	1.6	1.5	.9	.1							4.6	7.7
W	1.4	2.6	3.7	1.8	.1		.0					9.6	7.7
WNW	1.1	1.9	2.3	.6	.0							5.9	6.6
NW	.8	1.2	.8	.3	.0	.0						3.1	6.1
NNW	.8	1.1	.6	.3								2.7	5.6
VARBL													
CALM												19.1	
	17.6	28.8	24.4	9.3	.8	.0	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 6272

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WIND!

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-23
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.6	1.3	.1								3.7	5
NNE	1.5	1.3	.3									3.1	3
NE	1.3	1.1	1.4									3.6	5
ENE	1.3	.6	.6									2.5	4
E	1.5	1.5	.5	.1								3.7	4
ESE	1.7	2.0	.3	.3								4.2	4
SE	1.0	1.7	.4	.3								3.3	4
SSE	1.1	.8	.8									2.7	4
S	1.1	3.2	2.2	2.2	.3							8.9	7
SSW	2.2	3.4	1.0	1.0								7.6	5
SW	1.5	2.2	1.3	1.1								6.1	6
WSW	.4	1.7	1.3	.5	.1							3.9	7
W	1.5	1.8	2.4	1.0								6.8	7
WNW	1.9	1.4	1.5	.4								5.2	5
NW	.9	1.4	.4	.5								3.2	5
NNW	.9	1.4	1.0	.3								3.6	6
VARBL													
CALM												27.6	
	21.5	26.1	16.6	7.8	.4							100.0	4

TOTAL NUMBER OF OBSERVATIONS

7

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WIND

724240

FT KNOX/GODMAN AAF KY

75-84

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1900-20

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME/ WIP SPE
N	1.8	2.3	.5	.1								4.8	4
NNE	2.6	1.8	.5									4.9	1
NE	1.1	1.1	.9	.1								3.2	5
ENE	.6	.5	.5									1.6	4
E	1.5	1.5	1.5	.7								5.1	6
ESE	.7	1.1	.5	.2								2.6	5
SE	1.8	1.7	.1									3.7	1
SSE	1.7	1.1	.6	.1								3.5	4
S	3.2	5.0	2.8	1.6								12.6	6
SSW	1.8	2.3	1.2	.7								6.1	6
SW	1.0	2.3	1.2	.2	.1							4.9	6
WSW	1.0	2.2	.5	.7	.1							4.5	6
W	2.2	1.7	3.2	.6	.1							7.8	1
WNW	2.3	1.8	2.2	.7								7.1	1
NW	1.1	1.6	1.2	.5								4.4	1
NNW	.5	.5	.4	.6								2.0	
VARBL													
CALM												21.4	
	24.9	28.6	17.7	7.1	.4							100.0	

TOTAL NUMBER OF OBSERVATIONS

U. S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq \frac{1}{8}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500											97.4					98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

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

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

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

✓

ADDITIONAL EXAMPLES

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

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

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

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 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
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124242 FT KNOX/GORDMAN AAF KY

75-42.63-04

1A

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1B
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	0.4	35.3	35.5	39.0	38.0	39.0	39.7	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥20000	0.4	39.5	39.5	40.1	40.1	40.1	40.1	40.6	40.6	40.6	40.6	41.0	41.0	41.0	41.0	41.0
≥18000	0.4	39.5	39.6	40.1	40.1	40.1	40.1	40.6	40.6	40.6	40.6	41.0	41.0	41.0	41.0	41.0
≥16000	0.4	39.5	39.6	40.1	40.1	40.1	40.1	40.6	40.6	40.6	40.6	41.0	41.0	41.0	41.0	41.0
≥14000	0.4	39.6	39.6	40.3	40.3	40.3	40.3	40.8	40.8	40.8	40.8	41.1	41.1	41.1	41.1	41.1
≥12000	0.4	40.1	40.3	40.8	40.8	40.8	40.8	41.3	41.3	41.3	41.3	41.6	41.6	41.6	41.6	41.6
≥10000	0.4	44.1	44.3	44.8	44.8	44.8	44.8	45.3	45.3	45.3	45.3	45.7	45.7	45.7	45.7	45.7
≥9000	0.4	44.6	44.8	45.3	45.3	45.3	45.3	45.8	45.8	45.8	45.8	46.2	46.2	46.2	46.2	46.2
≥8000	0.4	47.7	47.8	48.5	48.5	48.5	48.5	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3
≥7000	0.4	48.3	48.5	49.2	49.2	49.2	49.2	49.7	49.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0
≥6000	0.4	49.7	49.8	50.5	50.5	50.5	50.5	51.0	51.0	51.0	51.0	51.3	51.3	51.3	51.3	51.3
≥5000	0.4	51.2	51.5	52.3	52.3	52.3	52.3	52.8	52.8	52.8	52.8	53.2	53.2	53.2	53.2	53.2
≥4500	0.4	52.7	53.0	53.8	53.8	54.0	54.0	54.5	54.5	54.5	54.5	54.8	54.8	54.8	54.8	54.8
≥4000	0.4	55.0	55.5	56.4	56.4	56.5	56.5	57.2	57.2	57.2	57.2	57.5	57.5	57.5	57.5	57.5
≥3500	0.4	56.5	57.2	58.0	58.0	58.2	58.2	58.9	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2
≥3000	0.4	59.2	60.2	61.5	61.7	61.9	62.0	62.5	62.5	62.5	62.5	62.9	62.9	62.9	62.9	62.9
≥2500	0.4	61.2	62.5	64.2	64.4	64.5	64.5	65.4	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9
≥2000	0.4	65.4	67.4	69.6	71.1	71.2	71.7	72.2	72.4	72.4	72.4	72.7	72.7	72.7	72.7	72.7
≥1800	0.4	67.6	70.1	72.7	74.4	74.6	75.3	75.8	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.3
≥1600	0.4	70.9	73.7	76.9	78.9	79.1	79.9	80.4	80.3	80.3	80.3	81.1	81.1	81.1	81.1	81.1
≥1400	0.4	72.2	75.4	78.9	81.3	81.4	82.4	82.9	83.3	83.4	83.4	83.9	83.9	83.9	83.9	83.9
≥1200	0.4	73.2	76.8	80.6	83.1	83.3	84.9	85.5	85.8	85.8	85.8	86.2	86.2	86.2	86.2	86.2
≥1000	0.4	73.2	76.8	80.8	83.7	83.8	85.5	86.3	86.6	86.6	86.6	87.3	87.3	87.3	87.3	87.3
≥900	0.4	73.2	76.9	80.9	83.8	84.3	86.8	87.5	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0
≥800	0.4	73.2	76.9	80.9	83.9	84.4	88.0	88.8	89.1	89.3	89.3	89.8	89.8	89.8	89.8	89.8
≥700	0.4	73.2	76.9	81.3	84.3	84.3	88.6	89.0	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0
≥600	0.4	73.4	77.1	82.3	86.0	86.0	90.8	92.3	92.6	93.3	93.3	93.8	93.8	93.8	93.8	93.8
≥500	0.4	73.4	77.1	82.4	86.3	87.0	91.1	93.1	93.5	94.1	94.1	94.6	94.6	94.6	94.6	94.6
≥450	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥400	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥350	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥300	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥250	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥200	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥150	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥100	0.4	73.4	77.1	82.4	86.3	87.3	92.0	94.3	94.6	95.3	95.3	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 125240 FT KNOX/GOLMAN AAF KY

75-80, 23-54

YEAR

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-2-56

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.25	≥.16	≥.1	≥.05	≥.01
20000	7.9	37.4	37.5	37.9	38.2	38.2	38.5	38.5	39.7	38.7	38.9	38.8	39.2	39.2	39.3	39
18000	7.9	36.7	38.3	39.2	39.5	39.5	39.8	39.6	40.0	40.0	40.2	40.2	40.5	40.5	40.7	40
16000	7.8	36.8	39.0	39.3	39.7	39.7	40.0	40.0	40.2	40.2	40.3	40.3	40.7	40.7	40.8	41
14000	7.8	36.8	39.0	39.3	39.7	39.7	40.0	40.0	40.2	40.2	40.3	40.3	40.7	40.7	40.8	41
12000	7.2	36.8	39.0	39.3	39.7	39.7	40.0	40.0	40.2	40.2	40.3	40.3	40.7	40.7	40.8	41
10000	7.9	39.3	39.5	39.8	40.2	40.2	40.5	40.5	40.7	40.7	40.8	40.8	41.2	41.2	41.3	41
8000	6.6	43.6	44.0	44.3	44.6	44.6	45.0	45.0	45.1	45.1	45.3	45.3	45.6	45.6	45.8	46
6000	2.6	44.3	44.6	45.0	45.3	45.3	45.6	45.6	45.8	45.8	46.0	46.0	46.3	46.3	46.4	46
4000	2.8	47.3	47.6	47.9	48.3	48.3	48.6	48.6	48.8	48.8	48.9	48.9	49.3	49.3	49.4	49
2000	2.8	47.9	48.3	48.6	48.9	48.9	49.3	49.3	49.4	49.4	49.6	49.6	49.9	49.9	50.1	50
1000	2.8	48.1	48.4	48.8	49.1	49.1	49.4	49.4	49.6	49.6	49.8	49.8	50.1	50.1	50.2	50
500	2.8	49.6	49.9	50.2	50.6	50.6	50.9	50.9	51.1	51.1	51.2	51.2	51.6	51.6	51.7	51
400	2.8	52.2	52.7	53.2	53.6	53.6	53.9	53.9	54.0	54.0	54.2	54.2	54.5	54.5	54.7	54
300	2.8	54.2	54.7	55.5	56.0	56.0	56.4	56.4	56.5	56.5	56.7	56.7	57.0	57.0	57.2	57
200	2.8	56.4	57.0	57.9	58.3	58.3	58.7	58.7	58.8	58.8	59.0	59.0	59.3	59.3	59.5	59
100	2.2	59.0	59.8	61.0	62.1	62.1	62.6	62.6	62.8	62.8	63.0	63.0	63.3	63.3	63.5	63
50	2.3	61.8	62.0	63.1	64.3	64.3	64.8	64.8	65.1	65.1	65.3	65.3	65.6	65.6	65.8	60
25	2.8	64.6	66.3	67.4	69.6	69.6	70.2	70.4	70.7	70.9	71.1	71.1	71.4	71.4	71.5	71
10	2.2	66.3	67.1	69.3	71.7	71.7	72.4	72.6	72.9	73.1	73.2	73.2	73.6	73.6	73.7	73
5	2.8	69.4	72.1	73.9	76.7	76.7	77.9	78.0	78.3	78.5	79.0	79.0	79.3	79.3	79.5	79
2	2.8	71.1	77.9	78.8	78.8	80.6	81.2	81.2	81.3	81.3	81.5	81.5	82.1	82.1	82.3	82
1	2.8	72.4	75.4	77.4	80.5	80.6	82.8	83.3	83.6	83.8	84.5	84.5	84.8	84.8	85.3	85
.5	2.9	72.9	75.9	78.5	81.8	82.5	84.6	85.1	85.5	85.6	86.3	86.3	86.6	86.6	87.1	87
.25	2.9	73.1	76.0	78.7	82.1	82.6	85.5	86.3	86.6	86.6	87.4	87.4	87.8	87.8	88.3	88
.16	2.8	73.1	75.0	78.8	82.5	83.5	86.1	86.9	87.3	87.4	88.1	88.1	88.4	88.4	88.9	89
.1	2.8	73.1	76.0	79.0	83.0	84.0	86.9	88.4	88.8	88.9	89.6	89.6	89.9	89.9	90.2	90
.05	2.8	73.1	76.0	79.5	83.9	84.8	88.4	90.1	91.1	91.2	91.9	91.9	92.2	92.2	92.4	93
.01	2.8	73.1	76.0	79.5	84.3	85.3	88.9	91.1	92.4	92.6	93.2	93.2	93.6	93.6	94.4	95
.005	2.8	73.1	75.0	79.5	84.6	85.0	89.7	92.2	93.6	93.7	94.7	94.7	95.2	95.2	96.0	96
.001	2.8	73.1	76.0	79.5	84.6	85.6	89.8	92.7	94.0	94.2	95.2	95.2	95.5	95.5	96.4	97
.0001	2.8	73.1	76.0	79.5	84.6	85.6	89.8	92.7	94.0	94.2	95.2	95.2	95.5	95.5	96.4	98
.00001	2.8	73.1	76.0	79.5	84.6	85.6	89.8	92.7	94.0	94.2	95.2	95.2	95.5	95.5	96.4	98

TOTAL NUMBER OF OBSERVATIONS 6

CEILING VERSUS VISIBILITY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

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

LOCAL CLIMATOLOGY BRANCH
AFETAC
WFOEAT-PA SERVICE/AC

CEILING VERSUS VISIBILITY

STATION NO. 75-64 STATION NAME FT. KNICKLEMAN AFB, KY

75-64

YEAR

MOSE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥ 1000	17.9	72.3	37.2	33.3	34.6	34.9	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.4	35.4
900	18.7	37.7	39.0	39.1	40.7	41.0	41.2	41.2	41.2	41.3	41.3	41.4	41.4	41.4	41.6	41.6
800	19.9	78.1	39.2	39.3	40.9	41.2	41.4	41.4	41.4	41.6	41.7	41.7	41.7	41.7	41.8	41.8
700	19.9	36.1	39.2	39.3	40.9	41.2	41.4	41.4	41.4	41.6	41.7	41.7	41.7	41.8	41.8	41.8
600	20.9	36.3	39.5	39.6	41.2	41.6	41.8	41.8	41.8	41.9	42.1	42.1	42.1	42.1	42.1	42.1
500	21.1	39.9	41.2	41.3	42.9	43.2	43.5	43.5	43.5	43.6	43.7	43.7	43.7	43.8	43.8	43.8
400	22.1	43.1	44.5	44.6	46.3	46.6	46.9	46.9	46.9	47.0	47.1	47.1	47.1	47.2	47.2	47.2
300	22.1	43.2	44.6	44.7	46.4	46.7	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.3
200	23.3	45.0	46.4	46.5	48.2	48.5	48.9	48.9	48.9	49.1	49.2	49.2	49.2	49.3	49.3	49.3
100	23.3	47.1	46.4	43.8	50.5	50.8	51.7	51.7	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9
90	24.1	48.0	49.5	50.0	51.7	52.0	52.3	52.3	52.3	52.6	52.7	52.7	52.7	52.8	52.8	52.8
80	24.2	47.7	50.7	51.1	52.8	53.2	53.5	53.5	53.5	53.8	53.9	53.9	53.9	54.0	54.1	54.1
70	24.2	47.7	51.4	51.9	53.6	53.9	54.3	54.3	54.3	54.6	54.7	54.7	54.7	54.8	54.8	54.8
60	24.7	51.0	52.7	53.4	55.1	55.4	55.9	55.9	55.9	56.2	56.3	56.3	56.3	56.4	56.4	56.4
50	24.4	52.0	53.7	54.5	56.3	56.6	57.1	57.1	57.1	57.4	57.5	57.5	57.5	57.7	57.7	57.7
40	25.1	54.1	55.9	56.8	58.9	59.2	59.7	59.8	60.1	60.5	60.6	60.6	60.6	60.7	60.7	60.7
30	26.7	56.2	58.1	59.2	61.5	61.9	62.7	62.8	63.2	63.5	63.6	63.6	63.6	63.7	63.7	63.7
20	27.0	56.2	62.2	63.5	66.8	67.2	68.4	68.9	68.9	69.4	69.5	69.5	69.5	69.6	69.6	69.6
10	27.0	59.6	63.1	64.6	68.3	68.5	69.8	70.2	70.7	71.2	71.3	71.3	71.3	71.4	71.4	71.4
9	27.3	62.1	65.8	67.9	71.6	72.1	73.8	74.1	74.9	75.3	75.5	75.5	75.5	75.6	75.6	75.6
8	27.3	64.0	69.0	70.5	74.5	75.1	77.3	77.6	78.4	78.9	79.1	79.2	79.2	79.3	79.3	79.3
7	27.3	64.5	68.8	71.5	75.9	76.7	79.2	79.7	80.5	81.1	81.2	81.3	81.4	81.5	81.5	81.5
6	27.3	64.9	69.3	72.4	77.6	78.7	81.3	82.7	83.6	84.1	84.7	84.7	84.7	84.9	85.1	85.1
5	27.3	65.1	69.5	72.7	78.7	79.3	82.3	83.2	84.1	84.8	85.5	85.7	85.7	86.0	86.3	86.3
4	27.3	65.1	69.7	73.1	78.8	80.1	83.4	84.7	85.8	86.6	87.7	87.5	87.5	88.1	88.2	88.2
3	27.3	65.2	69.8	73.3	79.3	80.5	84.6	86.1	87.5	88.4	89.2	89.4	89.4	90.2	90.3	90.3
2	27.3	65.2	69.8	73.3	79.7	81.2	85.4	87.6	89.6	90.9	92.6	93.1	93.1	94.5	94.9	94.9
1	27.3	65.2	69.8	73.3	79.7	81.2	85.4	87.6	89.6	91.1	92.9	93.7	93.7	95.9	97.1	97.1
0	27.3	65.2	69.8	73.3	79.7	81.2	85.4	87.6	89.6	91.1	93.1	94.0	94.0	95.7	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 62

CLIPAL CLIMATOLOGY BRANCH
USAF ETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 104240 FT WNDX/GOLDMAN AAF KY

75-84

YEARS

MO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1-140

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
20000	20.2	34.5	34.7	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
18000	20.2	42.1	42.5	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
16000	20.2	42.1	42.5	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
14000	20.2	42.7	43.0	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
12000	20.2	45.2	45.5	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
10000	20.2	49.0	49.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
8000	20.2	49.2	49.8	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
6000	20.2	51.5	52.0	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
4000	20.2	52.5	53.0	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2000	20.2	53.4	53.9	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1000	20.2	54.3	55.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
500	20.2	54.6	55.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
200	20.2	55.3	56.2	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
100	20.2	56.0	57.0	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
50	20.2	56.5	57.5	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
20	20.2	56.8	57.8	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
10	20.2	57.0	58.0	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
5	20.2	57.2	58.2	59.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
2	20.2	57.4	58.4	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
1	20.2	57.6	58.6	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
0	20.2	57.8	58.8	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
20000	20.2	62.6	63.0	65.5	66.3	66.4	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
18000	20.2	66.0	67.5	69.7	71.3	71.6	72.0	72.1	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7
16000	20.2	67.0	68.5	70.8	72.7	73.1	73.4	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
14000	20.2	68.4	70.2	72.7	75.2	75.6	76.7	76.8	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
12000	20.2	69.7	72.1	74.9	78.5	79.2	80.4	81.0	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9
10000	20.2	70.5	73.1	76.2	80.4	81.1	83.0	83.7	84.0	85.0	85.4	85.4	85.4	85.4	85.4	85.4
8000	20.2	70.7	73.3	76.8	81.3	82.1	84.1	84.9	86.1	86.6	86.9	87.0	87.0	87.0	87.0	87.0
6000	20.2	70.7	73.3	76.9	81.4	82.3	84.6	85.4	86.6	87.0	87.4	87.5	87.5	87.5	87.5	87.5
4000	20.2	71.2	74.2	78.4	83.9	85.4	88.1	89.2	90.4	91.0	91.6	91.8	91.8	91.8	91.8	91.8
2000	20.2	71.2	74.2	78.4	83.9	85.4	89.3	90.8	92.0	92.6	93.1	93.4	93.7	93.9	93.9	93.9
1000	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.0	93.2	94.4	95.0	95.3	95.6	95.8	95.8	95.8
500	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
200	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
100	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
50	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
20	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
10	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
5	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
2	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
1	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7
0	20.2	71.2	74.2	78.4	83.9	85.4	90.3	92.1	93.6	95.0	96.2	97.0	97.4	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 28

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

STATION 154240 FT KNOX/BOOMAN AAF KY

YEARS 75-84

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	21.3	36.1	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥20000	21.2	43.9	44.8	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥18000	25.5	44.1	45.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥16000	27.5	44.1	45.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥14000	25.6	44.7	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥12000	25.3	47.7	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥10000	27.4	52.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥8000	27.5	52.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥6000	31.7	55.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥4000	31.3	58.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥2000	31.5	58.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥1000	32.2	57.5	59.2	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥500	32.3	58.1	59.6	60.0	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥250	32.9	59.8	61.0	61.5	61.7	61.7	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥125	33.1	61.1	61.6	62.3	62.5	62.5	62.7	62.7	62.7	62.8	62.8	62.8	63.0	63.0	63.0	63.0
≥62.5	34.3	62.4	64.5	65.3	65.7	65.7	66.0	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3
≥31.25	34.3	65.7	67.5	68.6	68.9	69.0	69.4	69.5	69.5	69.7	69.7	69.7	69.8	69.8	69.8	69.8
≥15.625	35.5	69.1	71.5	73.4	74.1	74.6	75.2	75.7	75.7	75.9	76.7	76.7	76.8	76.8	76.8	76.8
≥7.8125	34.7	70.5	73.0	75.1	75.9	76.6	77.4	77.8	77.8	78.2	78.2	78.2	78.3	78.3	78.3	78.3
≥3.90625	34.5	71.6	74.4	77.1	78.6	79.4	80.4	80.9	81.0	81.3	81.5	81.5	81.6	81.6	81.6	81.6
≥1.953125	34.5	72.5	76.4	79.5	81.3	82.2	83.7	84.2	84.5	84.8	85.0	85.0	85.1	85.1	85.1	85.1
≥0.9765625	34.5	73.4	77.3	81.2	83.3	84.5	86.7	86.8	87.0	87.5	87.8	87.8	87.8	87.8	87.8	87.8
≥0.48828125	34.5	73.5	77.7	81.9	84.0	85.1	86.9	87.8	88.2	88.6	89.1	89.1	89.1	89.1	89.1	89.1
≥0.244140625	34.5	73.5	77.9	82.3	84.8	86.1	88.2	89.1	89.5	90.1	90.5	90.5	90.5	90.5	90.5	90.5
≥0.1220703125	34.5	73.6	78.0	82.7	85.2	86.9	89.1	90.0	90.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥0.06103515625	34.5	73.6	78.0	82.7	85.6	87.4	90.7	91.6	92.1	92.7	93.5	93.5	93.5	93.5	93.5	93.5
≥0.030517578125	34.5	73.8	78.2	83.1	86.5	88.4	92.6	94.0	94.8	95.8	97.0	97.1	97.1	97.1	97.1	97.1
≥0.0152587890625	34.5	73.8	78.2	83.1	86.5	88.4	92.6	94.4	95.2	96.2	97.5	97.5	97.5	97.5	97.5	97.5
≥0.00762939453125	34.5	73.8	78.2	83.1	86.5	88.4	92.6	94.4	95.3	96.3	97.7	97.7	97.7	97.7	97.7	97.7
≥0.003814697265625	34.5	73.8	78.2	83.1	86.5	88.4	92.6	94.4	95.3	96.3	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 88

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

754040 FT KNOX/GOOMAN AAF KY

75-84

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1952-2003

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	15.4	35.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
1800	15.5	40.9	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
1600	15.5	40.9	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
1400	17.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
1200	17.2	42.8	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
1000	18.9	48.2	49.1	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
800	18.9	48.5	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
600	19.4	50.9	51.8	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
400	20.1	52.3	53.3	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
200	20.7	53.4	54.9	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
100	21.2	55.0	56.6	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
50	21.5	56.2	57.9	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
25	21.7	59.1	60.8	61.5	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
10	22.3	61.9	64.1	65.4	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
5	23.2	66.5	69.7	70.9	71.0	71.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2	23.7	69.8	72.5	74.0	74.6	75.3	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
1	23.8	70.2	74.2	76.3	77.4	78.2	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
0.5	23.8	71.6	75.2	78.4	80.3	81.0	82.1	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
0.25	23.8	72.4	77.3	81.0	83.5	84.5	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
0.1	23.8	72.5	78.1	81.3	84.3	85.5	86.8	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
0.05	23.8	72.6	78.2	81.6	84.7	86.1	87.5	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
0.025	23.8	72.7	78.5	82.5	85.8	87.4	89.0	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
0.01	23.8	72.7	78.7	83.1	86.4	88.3	90.3	91.6	91.9	92.2	92.4	93.3	93.3	93.3	93.3	93.3
0.005	23.8	72.7	78.7	83.2	86.6	88.4	90.5	92.0	92.4	93.3	93.3	93.6	94.2	94.2	94.2	94.2
0.0025	23.8	72.7	78.7	83.4	86.8	89.0	91.7	93.7	94.2	95.2	95.2	95.4	96.1	96.1	96.1	96.1
0.001	23.8	72.7	78.7	83.4	86.9	89.0	92.6	94.7	95.2	96.2	96.2	96.5	97.2	97.2	97.2	97.2
0.0005	23.8	72.7	78.7	83.4	86.9	89.0	92.7	94.9	95.4	96.5	96.9	97.3	97.9	97.9	97.9	97.9
0.00025	23.8	72.7	78.7	83.4	86.9	89.0	92.7	95.1	95.6	97.0	97.8	98.4	99.0	99.1	99.1	99.1
0.0001	23.8	72.7	78.7	83.4	86.9	89.0	92.7	95.1	95.6	97.0	97.9	98.5	99.1	99.3	99.3	99.3
0.00005	23.8	72.7	78.7	83.4	86.9	89.0	92.7	95.1	95.6	97.0	97.9	98.5	99.1	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 111

CEILING VERSUS VISIBILITY

75-84

100-232

TOTAL NUMBER OF OBSERVATIONS 721

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

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

174240 FT KNOX/30 MAN AAF KY

75-64

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO FOG/NO ≥20000	14.5	35.0	30.4	35.8	36.2	36.0	36.3	30.4	26.4	30.4	36.5	36.5	36.5	36.6	36.6	36.7
≥10000	16.2	39.6	41.1	40.6	41.7	41.0	41.1	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.5	41.5
≥5000	16.3	39.6	40.2	40.6	41.1	41.1	41.2	41.3	41.3	41.3	41.4	41.4	41.5	41.5	41.6	41.6
≥4000	16.4	40.1	40.7	41.1	41.5	41.5	41.7	41.8	41.9	41.8	41.9	41.9	42.0	42.0	42.0	42.1
≥3000	17.0	41.5	42.1	42.6	43.0	43.1	43.2	43.2	43.3	43.3	43.4	43.4	43.4	43.5	43.5	43.6
≥2000	18.4	45.6	46.3	46.8	47.3	47.4	47.5	47.5	47.6	47.6	47.7	47.7	47.8	47.8	47.8	47.9
≥1500	19.4	48.9	48.6	47.1	47.6	47.7	47.8	47.8	47.9	47.9	48.0	48.0	48.0	48.1	48.1	48.1
≥1000	19.0	48.5	49.3	49.3	50.3	50.4	50.5	50.6	50.6	50.6	50.7	50.7	50.8	50.8	50.9	50.9
≥750	19.7	49.9	50.7	51.3	51.9	51.9	52.0	52.1	52.1	52.2	52.3	52.3	52.3	52.4	52.4	52.4
≥500	19.6	50.9	51.9	52.5	53.0	53.1	53.2	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.6	53.6
≥400	19.9	52.2	53.4	54.0	54.6	54.7	54.8	54.9	54.9	54.9	55.0	55.0	55.1	55.1	55.2	55.2
≥300	20.8	53.4	54.6	55.4	56.0	56.1	56.2	56.3	56.3	56.4	56.5	56.5	56.5	56.6	56.6	56.6
≥250	20.1	54.9	55.1	56.9	57.6	57.6	57.8	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.3	58.3
≥200	20.2	55.9	57.3	58.2	58.9	58.9	59.1	59.2	59.2	59.3	59.4	59.4	59.5	59.5	59.6	59.6
≥150	20.5	56.6	60.3	61.5	62.4	62.5	62.9	62.9	63.0	63.1	63.2	63.2	63.3	63.3	63.3	63.4
≥100	21.3	56.6	63.0	65.0	66.1	66.2	66.7	66.6	67.0	67.0	67.0	67.2	67.2	67.3	67.3	67.3
≥75	21.5	65.2	67.9	69.7	71.4	71.8	72.5	72.7	72.9	73.1	73.2	73.2	73.3	73.3	73.4	73.4
≥50	21.9	66.6	69.7	71.7	73.7	74.1	74.9	75.2	75.4	75.6	75.7	75.7	75.8	75.8	75.9	75.9
≥25	21.9	66.8	72.3	74.8	77.1	77.7	78.7	79.0	79.3	79.5	79.7	79.8	79.8	79.8	79.9	79.9
≥15	21.8	70.0	74.1	76.9	79.7	80.4	81.9	82.2	82.5	82.8	83.1	83.2	83.2	83.3	83.3	83.3
≥10	21.0	70.6	74.9	78.0	81.2	82.0	83.7	84.3	84.7	85.3	85.3	85.3	85.4	85.7	85.8	85.9
≥5	21.0	70.9	75.2	78.7	82.0	83.0	84.9	85.5	86.0	86.4	86.8	86.8	87.1	87.1	87.2	87.2
≥2.5	21.0	71.0	75.4	79.1	82.7	83.7	85.9	86.7	87.2	87.5	87.9	88.0	88.3	88.4	88.4	88.5
≥1.5	22.0	71.2	75.6	79.7	83.4	84.7	87.1	88.0	88.5	89.0	89.4	89.5	89.8	89.9	90.0	90.1
≥1	22.0	71.2	75.7	79.9	83.9	85.2	88.1	89.3	89.9	90.3	90.9	91.0	91.4	91.5	91.6	91.7
≥0.75	22.0	71.3	75.8	80.2	84.5	86.0	89.3	90.7	91.5	92.1	92.6	92.8	93.3	93.5	93.6	93.6
≥0.5	22.0	71.3	75.8	80.3	84.8	86.5	90.1	91.8	92.8	93.5	94.2	94.4	94.9	95.2	95.3	95.3
≥0.25	22.0	71.3	75.8	80.3	84.9	86.6	90.4	92.3	93.4	94.3	95.0	95.5	96.1	96.4	96.5	96.6
≥0.15	22.0	71.3	75.8	80.3	84.9	86.7	90.5	92.6	93.7	94.7	95.8	96.4	97.3	97.7	98.1	98.2
≥0.1	22.0	71.3	75.8	80.3	84.9	86.7	90.5	92.6	93.7	94.8	95.9	96.5	97.6	98.1	98.7	99.4
≥0.05	22.0	71.3	75.8	80.3	84.9	86.7	90.5	92.6	93.7	94.8	95.9	96.5	97.6	98.1	98.8	99.4

TOTAL NUMBER OF OBSERVATIONS 6000

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

CEILING VERSUS VISIBILITY

75-76, sub. c2-24

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

[illegible]TOTAL NUMBER OF OBSERVATIONS 633

CEILING VERSUS VISIBILITY

75-77, 52-64

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

[illegible]TOTAL NUMBER OF OBSERVATIONS 42

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

CEILING VERSUS VISIBILITY

75-34

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]TOTAL NUMBER OF OBSERVATIONS 279

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

LOCAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

STATION FI WYOMING AAF PY

75-04

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-12-17

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ .00
≥ 1000	37.2	35.1	35.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
900	34.2	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
800	34.2	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
700	34.3	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
600	34.4	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
500	36.3	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
400	36.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
300	37.3	52.9	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
200	37.7	53.9	54.1	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
100	37.2	54.8	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
50	37.9	56.1	56.5	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
40	37.5	57.6	58.1	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
30	41.2	61.2	61.6	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
20	42.7	64.1	64.7	65.7	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
10	44.5	70.1	71.1	72.0	72.4	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
5	45.2	74.7	76.5	77.4	77.8	78.1	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2	47.5	77.8	80.2	81.6	82.3	82.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
1	47.7	79.0	81.5	83.0	83.7	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
.5	47.7	80.2	83.7	85.4	86.3	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
.3	47.8	82.5	87.1	89.2	90.9	91.3	91.3	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
.2	47.8	82.7	87.7	90.3	92.2	92.6	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
.1	47.8	83.1	88.2	91.1	92.9	93.3	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
.05	47.8	83.3	88.6	91.5	93.3	93.9	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
.01	47.8	83.3	88.6	91.6	92.5	94.2	95.6	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
.00	47.8	83.4	88.7	91.7	92.9	94.5	95.9	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
.00	47.8	83.4	88.8	91.8	94.1	94.7	96.3	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
.00	47.8	83.4	88.8	92.2	94.5	95.3	97.7	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
.00	47.8	83.4	88.8	92.2	94.5	95.6	97.4	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
.00	47.8	83.4	88.8	92.2	94.5	95.7	97.5	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
.00	47.8	83.4	88.8	92.2	94.5	95.7	97.5	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 53

CEILING VERSUS VISIBILITY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1-12-14-1~~

[illegible]TOTAL NUMBER OF OBSERVATIONS 22

USAF ETAC 0-14.5 IOL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FI KNOX/20 MAY AAF KY

YEAR 75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
≥1000	22.5	37.7	38.3	36.4	37.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥800	25.6	43.1	43.8	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥600	25.6	43.1	43.8	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥400	25.6	43.1	43.8	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥300	25.6	43.3	44.7	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥200	25.7	44.2	44.3	44.9	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥150	25.5	47.1	47.7	47.8	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥100	25.7	47.5	48.2	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥75	25.4	51.4	52.0	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥50	21.2	52.3	53.4	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥40	21.3	53.9	54.5	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥30	31.4	55.6	56.3	56.7	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥25	31.9	56.3	57.2	57.5	57.8	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥20	31.4	58.4	59.4	59.9	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥15	37.7	61.2	61.4	61.9	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥10	34.2	63.2	67.1	67.6	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥7.5	35.5	64.0	71.1	71.7	72.2	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥5	35.0	72.0	74.2	75.1	75.8	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥4	34.5	73.1	75.3	76.5	77.3	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥3	36.3	74.4	76.8	78.4	79.7	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥2.5	37.1	76.1	79.1	81.4	83.0	83.3	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥2	37.2	77.6	80.9	83.2	85.4	85.5	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥1.5	37.3	78.1	81.4	83.9	86.2	86.9	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥1	37.3	78.5	81.9	84.7	87.1	88.0	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥0.75	37.3	78.6	82.7	85.1	87.7	88.6	89.9	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥0.5	37.3	78.9	82.5	86.1	88.9	90.0	91.6	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥0.25	37.3	79.1	82.8	86.6	89.8	91.3	93.4	94.1	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥0.15	37.3	79.1	82.8	86.6	90.1	91.6	94.3	96.6	97.4	98.1	98.3	98.4	98.6	98.7	98.7	98.7
≥0.1	37.3	79.1	82.8	86.6	90.1	91.6	94.3	96.7	97.8	98.5	98.7	98.8	98.9	99.0	99.0	99.0
≥0.05	37.3	79.1	82.8	86.6	90.1	91.6	94.3	96.7	97.8	98.5	98.7	98.8	98.9	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 530

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724240 FT KYCK/COUMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
10000	17.7	34.9	37.1	37.9	38.0	38.0	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.9	38.9
8000	16.3	39.7	41.9	42.7	42.8	42.8	43.2	43.2	43.3	43.3	43.5	43.5	43.5	43.5	43.7	43.7
6000	16.3	39.7	41.9	42.8	42.9	42.9	43.3	43.3	43.5	43.5	43.6	43.6	43.6	43.6	43.8	43.8
4000	16.3	39.7	41.9	42.8	42.9	42.9	43.3	43.3	43.5	43.5	43.6	43.6	43.6	43.6	43.8	43.8
2000	16.3	39.7	41.9	42.8	42.9	42.9	43.3	43.3	43.5	43.5	43.6	43.6	43.6	43.6	43.8	43.8
1000	16.6	40.3	42.4	43.3	43.5	43.5	43.9	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.4	44.4
800	16.1	44.1	46.3	47.2	47.3	47.3	47.8	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.2	48.2
600	16.1	44.5	46.6	47.6	47.7	47.7	48.1	48.1	48.2	48.2	48.4	48.4	48.4	48.4	48.6	48.6
400	16.3	46.6	48.8	50.2	50.3	50.3	50.7	50.7	50.9	50.9	51.0	51.0	51.0	51.0	51.2	51.2
200	16.4	47.2	49.4	50.7	50.9	50.9	51.3	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.8	51.8
100	16.5	48.0	50.4	51.8	52.0	52.1	52.6	52.6	52.7	52.7	52.9	52.9	52.9	52.9	53.0	53.0
50	16.7	50.9	53.4	54.7	54.9	55.1	55.7	55.7	56.0	56.0	56.2	56.2	56.2	56.2	56.4	56.4
25	16.7	52.4	55.2	56.6	57.1	57.3	58.1	58.1	58.4	58.4	58.6	58.6	58.6	58.6	58.8	58.8
15	16.9	55.2	57.9	59.6	60.1	60.3	61.2	61.2	61.4	61.4	61.7	61.7	61.7	61.7	61.9	61.9
10	16.9	56.4	59.2	61.0	61.5	61.8	62.7	62.9	63.1	63.1	63.4	63.4	63.4	63.4	63.6	63.6
5	16.5	60.8	63.8	65.8	66.3	66.6	67.5	67.7	67.9	67.9	68.1	68.1	68.1	68.1	68.4	68.4
2	20.1	63.1	66.4	68.4	69.2	69.4	70.5	70.8	71.0	71.0	71.2	71.2	71.2	71.2	71.4	71.4
1	20.4	66.3	70.1	72.2	73.4	73.6	74.7	75.0	75.2	75.2	75.4	75.4	75.4	75.4	75.8	75.8
0.5	20.6	68.5	72.4	74.6	75.9	76.1	77.2	77.5	77.7	77.7	77.9	77.9	77.9	78.1	78.3	78.3
0.25	21.2	70.2	74.4	76.7	78.2	78.4	79.6	79.9	80.1	80.1	80.3	80.3	80.3	80.4	80.7	80.7
0.15	21.2	72.6	77.0	80.0	81.7	82.0	83.3	83.5	83.7	83.7	84.0	84.0	84.0	84.1	84.3	84.3
0.1	21.2	73.7	78.6	82.0	83.7	84.1	85.7	85.9	86.1	86.2	86.5	86.5	86.5	86.6	86.8	86.8
0.05	21.2	74.1	79.1	82.7	84.4	85.0	86.8	87.0	87.4	87.5	87.7	87.7	87.7	87.8	88.1	88.1
0.025	21.2	74.3	79.4	83.2	84.9	85.4	87.4	87.6	87.9	88.1	88.5	88.5	88.5	88.6	88.9	88.9
0.015	21.2	74.9	80.0	83.7	85.8	86.5	88.4	88.6	89.0	89.1	89.5	89.5	89.5	89.6	89.9	89.9
0.01	21.2	75.2	81.7	84.5	86.7	87.0	89.0	89.2	89.6	89.7	90.1	90.1	90.1	90.2	90.5	90.5
0.005	21.2	75.4	81.9	84.8	87.0	88.3	90.9	91.6	91.9	92.3	92.7	92.7	92.8	92.9	93.2	93.3
0.0025	21.2	75.4	81.9	85.2	87.8	89.4	92.9	94.0	94.4	94.8	95.3	95.3	95.4	95.6	95.9	95.9
0.0015	21.2	75.4	81.9	85.3	88.1	89.6	93.3	94.3	95.2	95.8	96.2	97.0	97.5	97.6	97.8	98.1
0.001	21.2	75.4	81.9	85.3	88.1	89.6	93.4	94.4	95.3	95.9	97.3	97.5	98.0	98.1	98.3	98.5
0.0005	21.2	75.4	81.9	85.3	88.2	89.8	93.5	94.5	95.4	96.0	97.5	97.7	98.2	98.4	98.6	99.0
0.00025	21.2	75.4	81.9	85.3	88.2	89.8	93.5	94.5	95.4	96.0	97.5	97.7	98.2	98.4	98.6	99.0

TOTAL NUMBER OF OBSERVATIONS 479

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 224240 FT KNOX/GODMAN AAF KY

75-77, 83-84

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2359
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	17.4	44.5	45.4	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
18000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
16000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
14000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
12000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
10000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
8000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
6000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
4000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
2000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
1000	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
500	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
200	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
100	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
50	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
20	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
10	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
5	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
2	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
1	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
0	18.7	50.5	51.4	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5

TOTAL NUMBER OF OBSERVATIONS 46

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

LOCAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

104240 ET MAX/LOWMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥10000	15.3	41.0	42.0	42.6	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
8000	15.4	47.0	46.0	45.7	45.0	44.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
6000	15.5	47.1	46.1	45.8	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4
4000	15.5	47.1	46.1	45.8	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4
2000	15.5	47.7	48.8	49.5	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1
1000	15.9	49.0	50.1	50.3	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
500	20.3	52.3	53.4	54.1	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
250	20.1	52.6	53.7	54.5	54.8	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1
100	20.8	55.8	57.0	57.8	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5
50	21.1	57.3	58.7	59.5	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
25	21.2	56.1	59.5	60.4	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
10	21.4	55.6	61.2	62.1	62.5	62.6	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
5	21.0	61.2	62.9	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
2	22.2	63.1	65.7	66.2	66.7	66.9	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3
1	22.7	64.6	66.5	67.9	68.4	68.6	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0
0.5	23.2	66.9	69.0	70.4	71.1	71.3	71.5	71.5	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8
0.25	23.5	67.7	72.0	73.6	74.4	74.6	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.3
0.1	24.7	72.5	75.4	77.3	78.3	78.6	79.0	79.0	79.1	79.2	79.2	79.3	79.3	79.4	79.4	79.4
0.05	24.2	73.4	76.6	78.6	79.7	80.0	80.4	80.5	80.6	80.7	80.7	80.8	80.8	80.9	80.9	81.0
0.025	24.3	75.1	78.6	80.9	82.2	82.5	83.1	83.3	83.5	83.6	83.7	83.8	83.9	83.9	84.0	84.0
0.01	24.3	76.1	80.0	83.0	84.6	85.1	85.9	86.2	86.3	86.5	86.6	86.7	86.8	86.8	86.9	86.9
0.005	24.3	76.7	80.8	84.3	86.1	86.7	87.7	88.1	88.3	88.5	88.6	88.8	88.9	89.0	89.0	89.0
0.0025	24.4	76.9	81.3	84.9	86.8	87.3	88.6	89.2	89.4	89.6	89.8	89.9	90.0	90.2	90.2	90.2
0.001	24.4	77.1	81.6	85.3	87.5	88.2	89.4	90.0	90.2	90.4	90.7	90.8	91.0	91.1	91.1	91.1
0.0005	24.4	77.3	81.9	85.8	88.2	88.9	90.4	91.0	91.3	91.5	91.8	91.9	92.0	92.2	92.2	92.2
0.00025	24.4	77.4	82.1	86.3	89.1	89.9	91.6	92.4	92.7	93.0	93.4	93.6	93.9	94.0	94.0	94.0
0.0001	24.4	77.6	82.2	86.5	89.5	90.4	92.6	93.7	94.0	94.4	95.0	95.2	95.6	95.7	95.7	95.7
0.00005	24.4	77.7	82.3	86.7	89.8	90.6	93.3	94.6	95.0	95.6	96.2	96.5	96.7	97.0	97.1	97.1
0.000025	24.4	77.7	82.4	86.7	89.9	91.0	93.6	95.0	95.5	96.3	97.0	97.3	97.7	98.0	98.3	98.3
0.00001	24.4	77.7	82.4	86.7	89.9	91.0	93.7	95.2	95.7	96.5	97.3	97.6	98.5	98.7	99.0	99.0
0.000005	24.4	77.7	82.4	86.7	89.9	91.0	93.7	95.2	95.8	96.6	97.5	97.7	98.7	98.9	99.2	99.2
0.0000025	24.4	77.7	82.4	86.7	89.9	91.0	93.7	95.2	95.8	96.6	97.5	97.7	98.7	98.9	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 572

CEILING VERSUS VISIBII

75-84

55
504

[illegible]

TOTAL NUMBER OF OBSERVATIONS _____

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LUNAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AMC

CEILING VERSUS VISIBIL

STATION 104240 FT MYCA/COLEMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES													
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14
20000	17.2	40.6	47.0	41.0	41.7	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
18000	20.5	49.7	49.9	51.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
16000	20.9	50.1	50.3	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
14000	20.9	50.1	50.3	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
12000	21.1	51.2	51.1	51.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
10000	22.2	53.1	53.3	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
8000	23.5	56.1	58.3	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
7000	23.3	56.1	58.3	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
6000	24.2	60.2	60.4	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
5000	25.1	61.8	62.2	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
4500	25.4	63.1	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
4000	25.4	63.3	63.5	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
3500	25.7	64.7	65.2	65.5	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
3000	25.2	66.2	67.5	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2500	26.7	68.2	69.8	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
2000	26.3	70.4	71.6	72.2	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
1800	26.4	72.8	74.1	74.6	75.3	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9
1600	26.6	75.1	75.6	77.8	78.6	78.9	79.2	79.3	79.3	79.4	79.4	79.6	79.6	79.6
1400	26.9	76.6	78.3	79.9	80.7	81.2	81.6	81.8	82.0	82.0	82.0	82.3	82.3	82.3
1200	27.1	78.2	80.3	82.5	83.3	83.8	84.3	84.4	85.0	85.1	85.1	85.5	85.7	85.7
1000	27.1	79.2	81.7	85.0	86.7	86.5	87.2	87.8	88.0	88.1	88.1	88.5	88.7	88.7
900	27.2	79.9	82.6	86.1	87.2	87.7	88.6	89.2	89.3	89.5	89.5	90.0	90.2	90.2
800	27.2	79.9	82.7	86.5	87.7	88.5	89.5	90.5	90.6	90.7	90.9	91.4	91.6	91.6
700	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7
600	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7
500	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7
400	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7
300	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7
200	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7
100	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7
0	27.2	80.1	82.8	86.6	87.8	88.6	89.6	90.4	90.7	90.9	91.0	91.5	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBIL

104240

FT KNOX/GOUMAN AAF KY

70-64

EE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1-70

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
18000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
16000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
14000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
12000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
10000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
8000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
6000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
4000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
2000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
1000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
200	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
100	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
50	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
25	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
12	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBIL

75-84

25

1-2-

		VISIBILITY STATUTE MILES													
		≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05
100	FEET	24.7	40.8	41.4	41.6	41.6	41.5	41.3	41.6	41.8	41.9	41.9	41.9	41.9	41.9
200	FEET	25.7	47.4	48.2	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
300	FEET	26.7	47.4	48.2	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
400	FEET	26.8	47.9	48.6	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
500	FEET	27.3	49.2	49.9	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
600	FEET	27.5	51.7	52.6	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
700	FEET	28.7	52.1	52.9	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
800	FEET	29.7	55.5	56.3	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
900	FEET	30.2	56.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
1000	FEET	30.4	57.4	58.5	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
1100	FEET	30.7	58.6	60.2	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
1200	FEET	31.2	60.5	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
1300	FEET	31.5	62.5	63.3	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
1400	FEET	31.9	63.0	64.4	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
1500	FEET	32.5	65.6	67.4	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
1600	FEET	34.5	69.5	71.4	72.6	72.7	72.8	72.8	72.8	73.0	73.1	73.1	73.1	73.1	73.1
1700	FEET	35.2	74.1	77.1	78.4	78.5	78.6	78.9	78.9	79.0	79.1	79.1	79.2	79.2	79.2
1800	FEET	36.2	75.0	79.3	79.7	80.0	80.1	80.3	80.3	80.4	80.5	80.5	80.7	80.7	80.7
1900	FEET	36.2	76.4	80.4	82.1	82.6	82.9	83.3	83.3	83.4	83.5	83.5	83.7	83.7	83.7
2000	FEET	36.2	77.5	82.1	84.5	85.1	85.5	86.2	86.3	86.4	86.6	86.7	87.0	87.1	87.1
2100	FEET	36.2	77.6	82.2	85.2	86.8	87.3	88.7	88.7	89.0	89.2	89.3	89.6	89.7	89.7
2200	FEET	36.2	77.6	83.2	86.2	87.3	87.9	89.4	89.6	89.8	90.3	90.6	90.9	91.0	91.0
2300	FEET	36.4	78.8	84.2	87.4	89.7	89.6	91.3	91.5	91.7	92.3	92.5	92.9	93.0	93.0
2400	FEET	36.4	79.0	84.5	88.3	89.9	90.4	92.4	92.5	92.8	93.2	93.5	93.6	94.1	94.1
2500	FEET	36.4	79.0	84.5	88.4	90.2	90.7	92.7	93.1	93.6	94.1	94.4	94.7	94.9	95.1
2600	FEET	36.4	79.0	84.5	88.5	90.3	91.1	93.6	93.7	94.2	94.7	95.1	95.4	96.0	96.2
2700	FEET	36.4	79.0	84.5	88.6	90.5	91.3	94.3	94.5	95.4	96.3	96.9	97.2	97.7	97.9
2800	FEET	36.4	79.0	84.5	88.6	90.7	91.7	94.4	95.4	96.2	97.0	97.7	98.1	98.9	99.1
2900	FEET	36.4	79.0	84.5	88.6	90.7	91.7	94.4	95.5	96.1	97.3	98.0	98.3	99.3	99.4
3000	FEET	36.4	79.0	84.5	88.6	90.7	91.7	94.5	95.5	96.1	97.3	98.0	98.3	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

75-64

* SIBLING * STATUTE MILES

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

RURAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIB

224940 FT KNOX/RODMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05
≥1000	9.4	36.9	40.7	42.6	43.2	43.2	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7
≥900	0.0	41.8	43.7	45.9	46.6	46.6	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1
≥800	0.0	41.8	43.7	45.9	46.6	46.6	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1
≥700	0.0	41.8	43.7	45.9	46.6	46.6	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1
≥600	0.0	42.1	44.0	46.1	46.9	46.9	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5
≥500	0.0	42.0	44.5	46.6	47.4	47.4	47.7	47.7	47.7	47.7	48.0	48.0	48.0	48.0	48.0
≥400	10.0	46.0	47.0	50.0	50.9	50.9	51.1	51.1	51.1	51.1	51.4	51.4	51.4	51.4	51.4
≥300	10.0	46.2	48.1	50.3	51.0	51.0	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6
≥200	10.0	49.2	51.4	53.5	54.3	54.3	54.6	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9
≥100	10.0	50.3	52.6	54.8	55.5	55.5	55.9	55.9	55.9	55.9	56.2	56.2	56.2	56.2	56.2
≥50	10.0	51.3	53.6	55.9	56.8	56.8	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4
≥40	10.0	52.9	55.5	58.2	59.3	59.3	60.1	60.1	60.1	60.1	60.3	60.3	60.3	60.3	60.3
≥30	11.3	54.5	57.8	60.9	62.1	62.2	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1
≥20	11.3	56.2	60.7	64.1	65.5	65.5	66.3	66.3	66.3	66.3	66.6	66.6	66.6	66.6	66.6
≥10	11.7	58.2	62.1	65.5	66.8	67.0	67.7	67.7	67.8	67.8	68.1	68.1	68.1	68.1	68.1
≥5	11.0	59.9	63.7	67.2	68.7	68.8	69.7	69.8	70.1	70.1	70.4	70.4	70.4	70.4	70.4
≥2.5	11.0	62.6	66.6	70.2	72.0	72.1	73.0	73.1	73.4	73.4	73.6	73.6	73.6	73.6	73.6
≥1.5	12.1	64.2	69.0	72.7	74.7	75.0	75.9	76.0	76.3	76.3	76.5	76.5	76.5	76.5	76.5
≥1.0	12.1	65.2	71.0	73.7	75.9	76.1	77.0	77.1	77.4	77.4	77.6	77.6	77.6	77.6	77.6
≥0.75	12.3	66.0	72.2	76.1	78.3	78.5	79.4	79.5	79.8	79.8	80.0	80.0	80.0	80.0	80.0
≥0.5	12.3	66.6	74.6	78.6	80.9	81.4	82.4	82.5	82.8	82.8	83.0	83.0	83.0	83.0	83.0
≥0.25	12.3	69.5	75.4	80.2	82.9	83.4	84.4	84.5	84.9	85.1	85.3	85.3	85.3	85.3	85.3
≥0.15	12.3	69.7	75.6	80.7	83.4	83.9	84.9	85.1	85.4	85.6	85.8	85.8	85.8	85.8	85.8
≥0.1	12.3	69.8	75.9	80.9	83.8	84.3	85.3	85.6	85.9	86.1	86.3	86.3	86.3	86.3	86.3
≥0.05	12.3	70.1	76.5	81.5	84.9	85.4	86.6	86.8	87.2	87.4	87.7	87.7	87.7	87.7	87.7
≥0.025	12.3	70.4	77.1	82.7	87.1	87.7	89.1	89.3	89.3	90.1	90.5	90.6	90.6	90.6	90.6
≥0.015	12.3	70.9	77.6	83.4	88.2	88.9	90.8	91.5	92.0	92.0	92.7	93.2	93.6	93.6	93.6
≥0.01	12.3	71.0	77.8	83.7	88.4	89.2	91.3	92.3	93.1	93.3	94.3	94.5	95.2	95.4	95.4
≥0.0075	12.3	71.2	78.0	83.9	88.8	89.7	91.8	92.3	93.8	94.1	95.2	95.4	96.2	96.5	96.5
≥0.005	12.3	71.2	78.0	83.9	88.8	89.7	92.0	93.2	94.2	94.6	96.1	96.2	97.1	97.4	97.4
≥0.0025	12.3	71.2	78.0	83.9	88.8	89.7	92.0	93.2	94.2	94.6	96.1	96.4	97.2	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VIS

73-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAF F1AC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISI

14242 FT KNOX/GOODMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
≥10000	22.1	38.0	39.5	39.8	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥9000	25.4	45.1	45.7	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3
≥8000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥7000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥6000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥5000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥4000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥3000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥2000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥1000	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥800	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥700	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥600	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥500	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥400	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥300	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥200	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥100	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥80	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥70	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥60	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥50	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥40	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥30	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥20	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥10	25.4	45.1	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4

TOTAL NUMBER OF OBSERVATIONS

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

LOCAL CLIMATOLOGY BRANCH
FAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIB

STATION NAME FT KNOX/BOWMAN AAF KY

75-77,83-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
1000	16.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
900	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
800	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
700	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
600	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
500	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
400	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
300	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
200	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
100	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
0	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
1000	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
900	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
800	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
700	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
600	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
500	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
400	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
300	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
200	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
100	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
0	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
1000	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
900	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
800	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
700	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
600	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
500	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
400	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
300	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
200	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
100	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
0	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
1000	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
900	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
800	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
700	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
600	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
500	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
400	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
300	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
200	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
100	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
0	16.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6

TOTAL NUMBER OF OBSERVATIONS _____

LORAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBIL

104040 FT KNOX/COMMAN AAF KY

75-34

AP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES													
	20	26	25	24	23	22	21	20	19	18	17	16	15	14
20000	17.7	53.4	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
18000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
16000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
14000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
12000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
10000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
8000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
6000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
4000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
2000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
1000	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
500	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
200	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
100	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
50	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
20	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
10	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
5	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
2	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
1	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
0	14.4	57.3	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBIL

STATION 324242 FT KNOX/200MAN AAF KY

75-84

AP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.2	≥.15	≥.1	≥.05
≥2000	27.5	44.5	46.3	47.5	47.6	47.8	48.2	48.0	48.5	48.3	48.0	48.0	48.0	48.0	48.0
1800	22.3	42.9	51.9	52.2	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1600	22.3	42.9	51.9	52.2	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1400	22.3	42.9	51.9	52.2	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1200	22.5	50.9	52.9	53.1	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
1000	23.7	54.3	56.3	56.5	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
800	23.7	55.2	57.0	57.2	58.1	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
600	24.7	57.7	59.9	60.4	61.6	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
400	25.1	56.7	61.1	61.5	62.9	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
200	25.4	59.5	62.0	62.5	63.9	64.1	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
100	26.7	63.9	66.3	66.8	68.8	69.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
50	26.9	65.8	68.7	69.4	71.3	71.6	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
25	27.4	65.4	71.3	72.0	74.2	74.4	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
15	27.7	71.1	74.2	74.9	77.0	77.2	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
10	28.2	74.2	77.4	78.5	80.9	81.2	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
5	28.3	76.3	79.9	81.1	83.7	84.1	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2	28.7	78.1	81.9	83.2	85.8	86.3	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1	28.7	78.7	82.5	83.7	86.5	87.0	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
.5	28.7	79.6	83.5	85.1	88.1	88.5	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
.25	28.7	80.6	84.4	86.2	89.5	89.9	90.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
.1	28.7	80.9	85.1	87.3	90.8	91.2	91.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
.05	28.8	81.2	85.4	87.5	91.1	91.7	92.4	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
.025	28.8	81.5	86.0	88.2	91.9	92.4	93.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
.01	28.8	82.0	86.4	88.8	92.9	93.6	94.4	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
.005	28.8	82.1	86.5	89.1	93.2	94.0	94.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
.0025	28.8	82.1	86.7	89.6	94.2	95.0	96.5	97.5	97.8	97.9	98.0	98.0	98.0	98.0	98.0
.001	28.8	82.1	86.7	89.7	94.4	95.2	96.7	97.8	98.1	98.2	98.5	98.5	98.5	98.5	98.5
.0005	28.8	82.1	86.7	89.7	94.4	95.2	96.7	97.9	98.4	98.5	98.7	98.7	98.7	98.7	98.7
.00025	28.8	82.1	86.7	89.7	94.4	95.2	96.7	97.9	98.4	98.5	98.7	98.7	98.7	98.7	98.7
.0001	28.8	82.1	86.7	89.7	94.4	95.2	96.7	97.9	98.4	98.5	98.7	98.7	98.7	98.7	98.7
.00005	28.8	82.1	86.7	89.7	94.4	95.2	96.7	97.9	98.4	98.5	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBI

204247 FT KNOX/GOUMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
20000	30.4	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
18000	33.7	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
16000	33.9	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
14000	33.9	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
12000	34.4	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
10000	34.6	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
8000	35.7	54.4	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
6000	37.7	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
4000	37.8	59.2	59.8	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
2000	37.2	55.2	61.0	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
1000	39.8	61.4	62.3	63.1	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
500	40.4	64.8	65.9	66.8	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
250	40.8	66.0	67.1	68.1	68.4	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
100	41.0	67.1	70.2	71.7	72.2	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
50	44.4	73.7	74.9	76.3	76.9	77.0	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
25	45.8	77.7	79.0	80.6	81.4	81.8	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
10	46.2	79.4	81.0	82.6	83.6	83.9	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
5	47.3	82.1	83.7	85.7	86.7	87.0	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2	47.8	83.4	85.2	87.3	88.3	88.7	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1	48.0	84.8	86.7	88.9	90.1	90.4	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
0.5	48.2	85.4	87.7	90.0	91.3	91.7	92.2	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
0.25	48.3	86.0	88.4	90.9	92.8	93.2	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0.1	48.4	86.7	89.2	91.7	93.6	94.0	94.6	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
0.05	48.6	87.1	89.8	92.3	94.2	94.7	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
0.025	48.6	87.1	89.8	92.3	94.3	94.8	95.6	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0.01	48.6	87.4	90.1	93.0	95.1	95.6	96.4	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
0.005	48.6	88.0	90.7	93.7	96.0	96.4	97.6	98.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6
0.0025	48.7	88.1	90.8	93.9	96.4	97.2	98.4	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
0.001	48.7	88.2	90.9	94.0	96.6	97.3	98.6	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
0.0005	48.7	88.2	90.9	94.0	96.6	97.3	98.6	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
0.00025	48.7	88.2	90.9	94.0	96.6	97.3	98.6	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
0.0001	48.7	88.2	90.9	94.0	96.6	97.3	98.6	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS _____

CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124240

FT KNOX/SOONMAN AAF KY

75-84

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100%

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	32.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	35.2	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	36.3	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	36.3	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	36.7	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	37.7	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	39.2	55.2	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 9000	39.6	55.0	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	41.0	57.4	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	41.2	60.2	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	41.0	61.3	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	43.2	63.9	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4500	43.0	64.9	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	47.0	70.7	71.6	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	45.8	75.6	76.0	77.4	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	52.9	80.7	81.7	82.8	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2500	54.1	85.0	84.3	85.7	86.2	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	55.9	86.7	88.1	89.6	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	55.1	87.3	89.0	90.7	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	56.7	88.6	90.2	92.0	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	56.7	89.6	91.2	93.0	94.0	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4
≥ 1000	56.7	90.3	92.1	94.0	95.2	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	56.0	91.3	93.1	95.0	96.3	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	57.0	91.4	93.3	95.3	96.9	97.1	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	57.1	91.7	93.7	95.7	97.3	97.6	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	57.1	91.9	93.9	96.0	97.8	98.0	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	57.1	92.1	94.1	96.2	98.1	98.3	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	57.1	92.1	94.1	96.2	98.2	98.7	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 300	57.1	92.1	94.1	96.2	98.2	98.7	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	57.1	92.1	94.1	96.2	98.2	98.7	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	57.1	92.1	94.1	96.2	98.2	98.7	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	57.1	92.1	94.1	96.2	98.2	98.7	99.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-240 STATION FT KNOX/GOUMAN AAF KY

75-84

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 00-1
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	37.7	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 20000	37.7	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 18000	37.2	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 16000	37.2	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 14000	37.3	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 12000	37.4	42.6	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 10000	40.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	40.6	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 6000	43.6	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 4000	43.6	52.3	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3000	44.3	53.1	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 2000	45.6	56.1	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 1500	46.2	57.6	58.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 1000	49.3	72.5	73.8	73.8	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 800	52.5	77.1	78.6	78.6	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 600	53.7	81.2	81.8	81.8	82.5	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 400	55.1	84.3	86.3	86.3	87.2	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 300	57.5	87.6	89.7	89.7	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 200	57.6	88.5	90.7	90.7	92.1	92.4	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0
≥ 150	57.6	89.4	91.6	91.6	93.7	93.3	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	94.0	94.0
≥ 120	59.1	90.9	93.1	93.1	94.5	94.9	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.5	95.5
≥ 100	59.2	91.3	93.5	93.5	95.1	95.4	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.2	96.2
≥ 90	59.7	92.1	94.4	94.4	96.3	96.7	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.4	97.4
≥ 80	59.3	92.5	95.0	95.0	97.3	97.7	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.4	98.4
≥ 70	59.3	92.5	95.1	95.1	97.5	97.9	98.3	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7
≥ 60	59.3	92.5	95.1	95.1	97.7	98.0	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.9	98.9
≥ 50	59.3	92.6	95.2	95.2	97.9	98.2	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2
≥ 40	59.3	93.0	95.7	95.7	98.3	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.9	99.9
≥ 30	59.7	93.0	95.7	95.7	98.3	98.7	99.4	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
≥ 20	59.7	93.0	95.7	95.7	98.3	98.7	99.4	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
≥ 10	59.7	93.0	95.7	95.7	98.3	98.7	99.4	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	59.3	93.0	95.7	95.7	98.3	98.7	99.4	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

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

CLIMATOLOGY BRANCH
LAFFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22-240 STATION FT KNOX/GOWMAN AAF KY

75-84

YEARS

AP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-0-2000 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
20000	32.2	47.2	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
18000	37.3	55.4	55.8	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
16000	37.4	55.5	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
14000	37.4	55.5	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
12000	37.6	55.6	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
10000	37.9	56.7	57.0	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
9000	37.8	56.4	56.8	56.8	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
8000	37.8	56.7	57.0	57.0	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
7000	42.4	56.3	56.7	56.7	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
6000	42.5	57.7	58.3	58.3	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
5000	43.7	59.8	70.4	70.4	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
4500	45.0	72.4	73.0	73.2	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
4000	46.1	74.5	75.1	75.4	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
3500	46.4	80.2	80.9	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
3000	46.1	83.0	83.8	84.2	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
2500	49.9	84.6	85.7	86.2	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2000	50.9	86.7	88.0	88.5	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1800	51.1	88.0	89.7	90.1	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1600	51.2	88.6	90.4	90.8	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
1400	51.3	89.7	91.7	92.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1200	51.4	91.7	93.8	94.4	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
1000	51.4	91.9	94.2	94.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
900	51.5	92.3	94.6	95.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
800	51.5	93.1	95.5	96.2	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
700	51.5	93.1	95.7	96.5	98.1	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
600	51.5	93.1	95.7	96.6	98.4	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
500	51.5	93.3	95.9	96.8	98.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	51.5	93.3	95.9	96.8	98.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	51.5	93.3	95.9	96.8	98.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	51.5	93.3	95.9	96.8	98.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	51.5	93.3	95.9	96.8	98.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 45

LOCAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 124242 FT KNOX/GOODMAN AAF KY

75-84

AP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2-20

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥20000	27.2	52.7	52.7	52.7	52.7	52.7	52.7	52.6	52.8	52.3	52.4	52.6	52.4	52.4	52.4	52.6
≥18000	29.5	59.5	59.5	59.5	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥16000	29.5	59.5	59.5	59.5	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥14000	29.5	59.5	59.5	59.5	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥12000	29.7	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥10000	37.4	63.1	63.4	63.4	63.4	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥9000	30.4	63.1	63.4	63.4	63.4	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥8000	32.3	69.2	69.5	69.6	69.6	69.6	69.8	70.3	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥7000	32.3	69.7	70.1	70.2	70.2	70.2	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥6000	33.7	71.4	71.8	71.9	71.9	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥5000	33.4	74.1	74.5	74.7	74.7	74.7	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥4500	33.5	76.0	76.4	76.7	76.7	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥4000	35.1	79.6	80.0	80.3	80.3	80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥3500	35.0	83.0	83.5	83.8	83.9	83.9	84.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥3000	36.7	86.0	86.5	86.7	87.1	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥2500	36.1	88.9	89.4	89.7	89.7	89.7	89.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥2000	36.1	90.9	90.8	90.5	91.2	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥1800	36.2	90.2	91.1	91.8	92.3	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥1500	36.3	91.7	91.9	92.7	93.2	93.2	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥1200	36.4	92.4	93.4	94.2	94.7	94.7	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥1000	36.3	92.9	93.9	95.0	95.5	95.5	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥900	36.3	93.0	94.3	95.4	96.1	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥800	36.3	93.2	94.5	95.5	96.4	96.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥700	36.3	93.2	94.6	95.6	96.5	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥600	36.3	93.3	94.8	96.3	97.6	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥500	36.3	93.6	95.1	96.5	97.8	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥400	36.3	93.6	95.1	96.6	97.9	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥300	36.3	93.6	95.1	96.6	97.9	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥200	36.3	93.6	95.1	96.6	97.9	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥100	36.3	93.6	95.1	96.6	97.9	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥0	36.3	93.6	95.1	96.6	97.9	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 174

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FT. KNOX/RODMAN AAF KY

75-84

AP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.9	47.6	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥20000	32.0	53.4	53.9	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥18000	30.1	53.6	54.1	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
≥16000	30.1	53.6	54.1	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
≥14000	30.3	53.9	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥12000	30.2	54.7	55.2	55.2	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥10000	32.2	57.8	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥9000	32.4	58.3	58.9	59.0	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥8000	34.0	62.6	63.3	63.5	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥7000	34.2	63.5	64.3	64.6	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥6000	34.7	64.0	65.7	66.0	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥5000	35.5	68.1	69.7	69.4	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥4500	36.3	69.6	70.6	71.0	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥4000	37.2	73.6	74.7	75.3	75.8	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥3500	39.5	77.3	78.6	79.2	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥3000	40.6	80.6	82.0	82.6	83.6	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥2500	41.3	83.0	84.6	85.5	86.5	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥2000	42.1	85.1	86.9	88.0	89.0	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥1800	42.2	86.1	88.5	89.1	90.2	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥1600	42.4	87.3	89.3	90.5	91.7	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥1400	42.5	88.5	90.6	91.9	93.2	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥1200	42.5	89.0	91.3	92.8	94.3	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥1000	42.6	89.4	91.8	93.4	95.0	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥900	42.6	89.8	92.3	94.0	95.7	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥800	42.7	89.9	92.5	94.2	96.1	96.4	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥700	42.7	90.0	92.7	94.6	96.6	96.9	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥600	42.7	90.2	92.9	94.9	97.1	97.4	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥500	42.7	90.3	93.0	95.0	97.3	97.7	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥450	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥400	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥350	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥300	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥250	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥200	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥150	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥100	42.7	90.3	93.0	95.1	97.3	97.8	98.6	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 5051

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: FT KNOX/BOOMAY AAF KY

75-77, 81, 83-84

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 1-64

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	15.7	58.2	67.7	51.6	61.9	52.0	62.2	52.0	62.2	52.2	62.2	52.2	62.2	52.2	62.2	52.2
18000	15.9	64.5	67.3	58.2	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
16000	15.9	64.5	67.3	65.2	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
14000	15.7	64.5	67.3	68.2	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
12000	16.3	66.5	69.4	70.5	72.7	73.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
10000	16.3	69.0	72.0	73.5	73.7	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
8000	17.6	72.4	75.8	77.3	77.7	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
6000	17.6	73.9	77.7	79.2	79.6	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
4000	19.0	74.8	78.3	79.8	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
2000	19.3	76.9	80.7	82.2	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1000	19.3	77.1	80.9	82.4	82.8	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
500	19.3	79.2	83.0	84.5	84.9	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
200	19.3	80.5	84.3	86.0	86.4	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
100	19.3	82.6	86.4	88.1	88.5	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
50	19.3	83.4	87.3	89.4	90.0	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
20	19.3	84.3	88.1	90.4	91.1	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
10	19.3	84.9	88.7	91.1	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
5	19.3	84.9	88.7	91.1	92.4	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2	19.3	85.4	89.4	92.4	93.8	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1	19.3	85.6	89.8	92.8	94.5	94.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0.5	19.3	86.0	90.4	93.4	95.1	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
0.2	19.3	86.4	90.9	94.3	96.4	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
0.1	19.3	86.8	91.3	94.7	97.2	97.7	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.05	19.3	86.8	91.3	94.9	97.5	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.02	19.3	86.8	91.5	95.1	97.7	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.01	19.3	86.8	91.5	95.1	97.7	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.005	19.7	86.8	91.5	95.1	97.7	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 4

GLOBAL CLIMATOLOGY BRANCH
 WAFSTAD
 47- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

125240 FT KNOX/COMMAN AAF KY

75-84

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

125240-0001
 HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
1000	12.4	51.5	55.5	57.6	59.1	58.6	55.1	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6
900	12.9	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.9	65.9
800	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
700	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
600	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
500	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
400	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
300	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
200	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
100	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
0	12.3	55.5	59.8	62.6	63.6	64.3	65.7	65.3	65.4	65.4	65.6	65.6	65.6	65.9	65.9	65.9
1000	13.3	58.1	62.5	65.4	66.4	67.1	67.8	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.8	68.8
900	17.5	59.8	64.1	67.3	68.4	69.1	69.9	70.4	70.6	70.6	70.6	70.6	70.6	70.6	71.1	71.1
800	13.5	55.5	64.3	67.4	68.6	69.3	70.1	70.6	70.8	70.8	70.9	70.9	70.9	70.9	71.3	71.3
700	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
600	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
500	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
400	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
300	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
200	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
100	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
0	14.5	62.0	66.3	70.4	72.1	72.8	73.6	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.9	74.9
1000	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
900	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
800	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
700	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
600	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
500	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
400	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
300	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
200	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
100	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
0	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
1000	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
900	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
800	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
700	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
600	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
500	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
400	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
300	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
200	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
100	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
0	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
1000	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
900	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
800	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
700	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
600	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
500	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
400	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
300	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
200	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
100	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6
0	15.3	65.3	70.9	74.9	76.9	77.6	78.4	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.6	79.6

TOTAL NUMBER OF OBSERVATIONS 600

✓
 FEDERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

170240

FT WALKER/JOHNSON AAF KY

75-84

167

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	35	44	53	62	71	80	90	100	120	140	160	180	200	250
1000	42.6	46.7	49.7	51.7	53.2	53.6	53.7	54.1	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6
900	47.1	50.7	54.8	57.4	58.9	59.4	59.5	59.8	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4
800	47.2	50.8	54.9	57.5	59.0	59.5	59.6	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5
700	47.2	50.8	54.9	57.5	59.0	59.5	59.6	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5
600	47.5	51.1	55.2	57.9	59.5	60.0	60.1	60.4	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.0
500	49.5	52.5	56.7	59.5	61.2	61.7	61.8	62.1	62.3	62.4	62.5	62.5	62.5	62.7	62.7	62.7
400	51.7	55.9	60.2	63.3	65.0	65.5	65.6	66.0	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5
300	52.7	56.0	60.6	63.8	65.9	66.3	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2
200	55.0	59.3	64.0	67.6	69.5	70.0	70.1	70.5	70.8	70.9	71.0	71.0	71.0	71.2	71.2	71.2
100	58.2	62.7	67.8	72.4	75.4	75.9	76.0	76.4	76.7	76.9	77.0	77.0	77.0	77.2	77.2	77.2
50	61.3	66.4	71.8	76.8	79.7	80.2	80.3	80.7	80.9	81.0	81.1	81.1	81.1	81.2	81.2	81.2
25	63.7	69.3	74.7	79.2	81.1	81.6	81.7	82.1	82.3	82.4	82.5	82.5	82.5	82.7	82.7	82.7
15	64.4	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
10	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
5	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
0	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
1000	42.6	46.7	49.7	51.7	53.2	53.6	53.7	54.1	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6
900	47.1	50.7	54.8	57.4	58.9	59.4	59.5	59.8	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4
800	47.2	50.8	54.9	57.5	59.0	59.5	59.6	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5
700	47.2	50.8	54.9	57.5	59.0	59.5	59.6	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5
600	47.5	51.1	55.2	57.9	59.5	60.0	60.1	60.4	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.0
500	49.5	52.5	56.7	59.5	61.2	61.7	61.8	62.1	62.3	62.4	62.5	62.5	62.5	62.7	62.7	62.7
400	51.7	55.9	60.2	63.3	65.0	65.5	65.6	66.0	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5
300	52.7	56.0	60.6	63.8	65.9	66.3	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2
200	55.0	59.3	64.0	67.6	69.5	70.0	70.1	70.5	70.8	70.9	71.0	71.0	71.0	71.2	71.2	71.2
100	58.2	62.7	67.8	72.4	75.4	75.9	76.0	76.4	76.7	76.9	77.0	77.0	77.0	77.2	77.2	77.2
50	61.3	66.4	71.8	76.8	79.7	80.2	80.3	80.7	80.9	81.0	81.1	81.1	81.1	81.2	81.2	81.2
25	63.7	69.3	74.7	79.2	81.1	81.6	81.7	82.1	82.3	82.4	82.5	82.5	82.5	82.7	82.7	82.7
15	64.4	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
10	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
5	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
0	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
1000	42.6	46.7	49.7	51.7	53.2	53.6	53.7	54.1	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6
900	47.1	50.7	54.8	57.4	58.9	59.4	59.5	59.8	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4
800	47.2	50.8	54.9	57.5	59.0	59.5	59.6	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5
700	47.2	50.8	54.9	57.5	59.0	59.5	59.6	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5
600	47.5	51.1	55.2	57.9	59.5	60.0	60.1	60.4	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.0
500	49.5	52.5	56.7	59.5	61.2	61.7	61.8	62.1	62.3	62.4	62.5	62.5	62.5	62.7	62.7	62.7
400	51.7	55.9	60.2	63.3	65.0	65.5	65.6	66.0	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5
300	52.7	56.0	60.6	63.8	65.9	66.3	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2
200	55.0	59.3	64.0	67.6	69.5	70.0	70.1	70.5	70.8	70.9	71.0	71.0	71.0	71.2	71.2	71.2
100	58.2	62.7	67.8	72.4	75.4	75.9	76.0	76.4	76.7	76.9	77.0	77.0	77.0	77.2	77.2	77.2
50	61.3	66.4	71.8	76.8	79.7	80.2	80.3	80.7	80.9	81.0	81.1	81.1	81.1	81.2	81.2	81.2
25	63.7	69.3	74.7	79.2	81.1	81.6	81.7	82.1	82.3	82.4	82.5	82.5	82.5	82.7	82.7	82.7
15	64.4	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
10	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
5	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9
0	64.5	70.4	75.8	80.5	82.5	82.9	83.0	83.4	83.6	83.7	83.7	83.7	83.7	83.9	83.9	83.9

TOTAL NUMBER OF OBSERVATIONS 167

AD-A159 613

FORT KNOX/GODMAN AAF KENTUCKY REVISED UNIFORM SUMMARY
 OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
 TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 85
 USAFETAC/DS-85/009 F/G 4/2

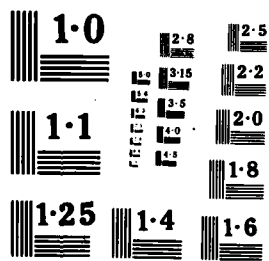
3/5

UNCLASSIFIED

USAFETAC/DS-85/009

F/G 4/2

NL



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725242 FT KNOX/GODMAN AAF KY

75-84

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1100
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	37.0	49.2	51.5	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
18000	33.0	55.2	57.7	59.8	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
16000	33.3	55.5	58.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
14000	33.3	55.5	58.1	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
12000	33.4	56.5	58.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
10000	34.1	57.9	60.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
9000	34.8	60.0	63.1	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
8000	34.8	60.7	64.0	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
7000	36.0	63.9	67.3	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
6000	36.6	64.7	68.2	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
5000	37.4	66.0	69.5	72.2	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
4500	37.9	68.1	71.6	74.5	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
4000	37.9	68.3	72.0	74.6	75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3500	38.9	70.2	73.9	76.7	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3000	39.5	71.8	75.4	78.2	79.3	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2500	40.0	73.6	77.6	80.4	81.7	82.1	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
2000	40.2	74.1	77.9	80.7	82.3	82.6	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
1800	40.3	75.0	79.0	81.9	83.5	84.1	84.8	85.1	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1600	40.5	75.2	79.2	82.1	83.9	84.3	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1400	40.7	76.7	81.1	84.1	85.7	86.4	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1200	41.1	78.0	82.8	86.0	88.3	89.4	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1000	41.3	79.5	84.6	88.0	90.7	91.8	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
900	41.3	80.4	85.5	89.0	91.8	92.9	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
800	41.3	81.0	86.4	89.8	93.0	94.0	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3
700	41.3	81.3	86.8	90.4	93.8	94.9	96.0	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5
600	41.3	81.4	86.9	90.6	94.2	95.2	96.6	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5
500	41.3	81.6	87.1	90.8	94.6	95.7	97.1	97.6	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1
400	41.3	81.7	87.2	91.2	95.5	96.9	98.7	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
300	41.3	81.7	87.2	91.2	95.5	96.9	98.7	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
200	41.3	81.7	87.2	91.2	95.5	96.9	98.7	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
100	41.3	81.7	87.2	91.2	95.5	96.9	98.7	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
0	41.3	81.7	87.2	91.2	95.5	96.9	98.7	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 924

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724243 STATION FT KNOX/GODMAN AAF KY

75-84

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1100-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.2	46.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	33.8	55.1	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	34.0	55.3	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
≥ 16000	34.0	55.3	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
≥ 14000	34.0	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	34.5	56.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	36.1	60.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	36.1	60.9	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
≥ 8000	38.2	64.5	65.7	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
≥ 7000	39.2	65.3	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	66.7
≥ 6000	39.8	66.3	67.5	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	40.6	68.1	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	40.8	68.6	69.9	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	40.9	73.4	75.0	75.8	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3500	45.1	77.8	79.4	80.3	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	46.4	81.0	82.9	83.9	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500	46.9	82.0	84.0	85.1	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	47.2	83.3	85.3	86.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	47.6	83.9	85.8	87.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	47.9	85.6	88.1	89.6	90.7	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1200	48.3	87.6	90.2	92.0	93.2	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	48.4	88.6	91.2	93.6	94.9	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	48.4	88.6	91.2	93.6	94.9	95.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	48.5	89.0	91.6	94.2	95.6	95.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9
≥ 700	48.5	89.5	92.2	94.8	96.4	96.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
≥ 600	48.5	89.6	92.3	94.9	96.8	97.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 500	48.5	89.8	92.5	95.2	97.1	97.5	98.8	98.9	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2
≥ 400	48.5	89.8	92.5	95.6	97.4	97.9	99.2	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9
≥ 300	48.5	89.8	92.5	95.6	97.4	98.1	99.4	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0
≥ 200	48.5	89.8	92.5	95.6	97.4	98.1	99.4	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0
≥ 100	48.5	89.8	92.5	95.6	97.4	98.1	99.4	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0
≥ 50	48.5	89.8	92.5	95.6	97.4	98.1	99.4	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124240

FT KNCK/GOODMAN AAF KY

75-84

YEARS

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1555-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.1	46.8	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	33.4	55.6	56.3	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
≥ 18000	33.5	55.8	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	33.5	55.8	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	33.6	56.0	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
≥ 12000	34.8	57.7	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	36.9	62.5	63.3	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
≥ 9000	36.9	63.1	63.8	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000	39.9	69.4	71.2	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
≥ 7000	40.5	70.6	71.5	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
≥ 6000	40.6	71.3	72.5	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 5000	41.3	73.3	74.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	41.6	73.8	75.0	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
≥ 4000	43.6	78.4	79.8	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	45.4	82.0	83.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	46.5	85.5	86.8	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500	46.7	87.3	88.7	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
≥ 2000	47.1	88.7	90.4	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
≥ 1800	47.1	89.0	90.7	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	47.3	90.5	92.1	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	47.5	90.9	92.8	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
≥ 1000	47.5	91.4	93.3	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	47.5	91.9	93.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	47.5	92.1	94.0	96.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	47.5	92.5	94.5	96.8	98.0	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	47.5	92.5	94.5	96.9	98.3	98.5	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	47.5	92.5	94.6	97.0	98.5	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	47.5	92.5	94.6	97.0	98.5	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	47.5	92.5	94.6	97.0	98.5	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	47.5	92.5	94.6	97.0	98.5	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	47.5	92.5	94.6	97.0	98.5	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	47.5	92.5	94.6	97.0	98.5	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 974

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724242 FT KYOX/GOODMAN JAF KY

75-84

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1100-2400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	28.5	51.1	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	31.6	60.0	61.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	31.7	60.2	61.8	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
≥ 16000	31.7	60.2	61.8	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
≥ 14000	31.8	60.5	62.2	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	32.0	62.4	64.1	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
≥ 10000	35.0	66.6	68.9	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 9000	35.0	67.4	69.7	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	37.0	73.4	75.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	37.3	74.2	76.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000	37.6	75.6	78.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	38.0	77.3	79.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	38.5	78.0	80.6	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	39.7	81.7	84.3	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3500	40.2	83.0	85.6	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	40.7	86.1	88.8	90.5	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	40.9	87.3	89.9	91.8	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	41.1	88.4	91.4	93.4	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	41.1	88.5	91.6	93.5	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	41.2	89.4	92.4	94.4	95.0	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	41.2	90.2	93.2	95.3	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	41.2	90.4	93.4	95.6	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	41.2	90.6	93.6	95.9	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	41.2	90.6	93.6	95.9	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	41.2	90.6	93.6	96.1	97.0	97.5	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	41.2	90.7	93.8	96.3	97.2	97.7	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	41.2	90.7	93.9	96.4	97.3	98.0	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	41.2	90.7	93.9	96.4	97.3	98.0	98.8	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	41.2	90.7	93.9	96.4	97.3	98.1	99.0	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	41.2	90.7	93.9	96.4	97.3	98.1	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	41.2	90.7	93.9	96.4	97.3	98.1	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	41.2	90.7	93.9	96.4	97.3	98.1	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 664

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724240 FT KNOX/GOODMAN AAF KY

75-84

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .02	≥ 0
NO CEILING	22.2	56.0	57.4	58.5	59.1	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	22.2	60.3	61.8	62.8	63.4	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	22.9	60.4	61.9	62.9	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	22.9	60.4	61.9	62.9	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	22.9	60.9	62.4	63.7	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	23.5	62.9	64.4	65.8	66.5	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 10000	24.4	65.5	67.1	68.5	69.2	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000	24.6	66.2	67.9	69.2	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	26.0	69.9	71.9	73.2	74.0	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 7000	26.3	70.7	72.6	74.3	75.0	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	26.3	72.6	75.0	76.6	77.4	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	27.7	75.7	78.6	80.4	81.5	81.7	81.7	81.7	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	27.7	76.5	79.3	81.3	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	27.8	79.9	82.9	85.3	86.8	86.9	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500	29.0	81.8	85.0	87.4	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	29.4	83.5	86.8	89.4	91.1	91.2	91.4	91.4	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	29.4	85.1	89.1	91.8	93.8	93.9	94.0	94.0	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	29.6	85.9	90.0	93.0	95.1	95.2	95.4	95.4	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	29.6	86.3	90.5	93.2	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	29.6	86.8	90.9	94.5	97.3	97.6	97.8	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	29.6	87.1	91.2	95.1	97.9	98.2	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	29.6	87.1	91.2	95.1	97.9	98.2	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	29.6	87.1	91.4	95.5	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	29.6	87.1	91.4	95.7	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	29.6	87.1	91.4	96.0	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	29.6	87.1	91.4	96.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 300	29.6	87.1	91.4	96.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	29.6	87.1	91.4	96.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 100	29.6	87.1	91.4	96.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 50	29.6	87.1	91.4	96.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 0	29.6	87.1	91.4	96.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 124240 FT KNOX/GOODMAN AAF KY

75-84

YEARS

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	24.6	49.4	51.4	52.7	53.1	53.4	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	27.7	56.0	59.1	59.7	60.3	60.8	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 18000	27.1	56.2	59.3	59.9	60.4	60.8	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.2
≥ 16000	27.1	56.2	59.3	59.9	60.4	60.8	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.2	61.2	61.2
≥ 14000	27.2	56.5	59.7	60.2	60.8	61.2	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6
≥ 12000	27.9	58.3	60.5	62.1	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5
≥ 10000	29.1	61.4	63.7	65.7	66.4	66.7	66.9	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2
≥ 9000	29.1	61.9	64.4	66.2	66.9	67.3	67.5	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 8000	30.8	65.9	68.6	70.6	71.4	71.8	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.3	72.3
≥ 7000	31.1	66.7	69.5	71.6	72.5	72.8	73.0	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3
≥ 6000	31.6	67.9	70.8	73.0	73.9	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8
≥ 5000	32.2	70.0	73.0	75.2	76.3	76.7	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2
≥ 4500	32.4	70.6	73.7	75.9	77.1	77.5	77.7	77.7	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0
≥ 4000	33.4	73.6	76.9	79.3	80.6	81.0	81.2	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.6	81.6
≥ 3500	34.2	75.7	79.0	81.5	82.9	83.3	83.6	83.7	83.7	83.8	83.8	83.9	83.9	83.9	84.0	84.0
≥ 3000	34.8	76.2	81.6	84.2	85.7	86.1	86.5	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9
≥ 2500	34.9	79.1	82.7	85.4	86.9	87.4	87.9	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.3	88.3
≥ 2000	35.1	80.1	83.9	86.7	88.4	88.9	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8
≥ 1800	35.2	80.4	84.2	87.1	88.7	89.3	89.8	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.3	90.3
≥ 1500	35.4	81.5	85.3	88.4	90.2	90.8	91.4	91.4	91.5	91.6	91.7	91.7	91.7	91.8	91.8	91.8
≥ 1200	35.5	82.4	86.5	89.7	91.8	92.4	93.1	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5
≥ 1000	35.5	83.1	87.3	90.7	93.0	93.7	94.4	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.9	94.9
≥ 900	35.6	83.5	87.7	91.3	93.6	94.3	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6
≥ 800	35.6	83.8	88.1	91.7	94.2	94.9	95.7	95.9	96.0	96.1	96.2	96.2	96.2	96.3	96.3	96.3
≥ 700	35.6	84.0	88.4	92.1	94.7	95.5	96.4	96.6	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0
≥ 600	35.6	84.1	88.5	92.2	95.0	95.8	96.8	97.1	97.3	97.4	97.5	97.5	97.5	97.6	97.6	97.6
≥ 500	35.6	84.2	88.6	92.5	95.3	96.2	97.4	97.8	98.0	98.2	98.3	98.4	98.4	98.4	98.5	98.5
≥ 400	35.6	84.2	88.7	92.7	95.6	96.5	97.8	98.4	98.7	98.9	99.0	99.1	99.1	99.2	99.2	99.2
≥ 300	35.6	84.2	88.7	92.7	95.6	96.6	97.9	98.7	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.6
≥ 200	35.6	84.2	88.7	92.7	95.6	96.6	97.9	98.7	99.0	99.3	99.4	99.5	99.5	99.6	99.7	99.7
≥ 100	35.6	84.2	88.7	92.7	95.6	96.6	97.9	98.7	99.0	99.3	99.4	99.5	99.5	99.6	99.7	99.7
≥ 50	35.6	84.2	88.7	92.7	95.6	96.6	97.9	98.7	99.0	99.3	99.4	99.5	99.5	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 6240

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-242 STATION NAME FT KNOX/GOODMAN AAF KY

75-78, 83-84

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

75-78, 83-84

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	7.4	54.3	61.1	56.1	64.5	68.5	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 20000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 18000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 16000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 14000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 12000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 10000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 8000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 6000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 4000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 2000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 1000	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 800	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 600	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 400	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 200	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 100	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 80	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 60	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 40	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 20	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 10	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 5	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 3	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 2	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4
≥ 1	0.1	6.4	6.5	7.7	7.7	7.7	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.4

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124240 FT KNOX/GOUMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

124240

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	4.8	41.1	48.8	55.0	58.5	59.8	61.2	62.1	62.6	62.6	62.6	62.6	62.7	62.7	63.0	63.4
1-2000	5.2	40.0	55.3	61.8	65.7	67.1	68.5	69.6	70.0	70.0	70.0	70.0	70.2	70.2	70.8	71.1
2-3000	5.8	40.6	55.3	61.8	65.7	67.1	68.5	69.6	70.0	70.0	70.0	70.0	70.2	70.2	70.8	71.1
3-4000	5.2	46.6	55.3	61.8	65.7	67.1	68.5	69.6	70.0	70.0	70.0	70.0	70.2	70.2	70.8	71.1
4-5000	5.8	46.6	55.3	61.8	65.7	67.1	68.5	69.6	70.0	70.0	70.0	70.0	70.2	70.2	70.8	71.1
5-6000	6.4	47.8	55.5	63.0	66.9	68.3	69.7	70.6	71.3	71.3	71.3	71.3	71.4	71.4	72.0	72.4
6-7000	7.0	50.5	59.5	66.6	70.7	72.0	73.9	75.0	75.5	75.5	75.5	75.5	75.6	75.6	76.2	76.6
7-8000	7.0	50.8	59.9	67.1	71.1	72.0	74.4	75.5	75.9	75.9	75.9	75.9	76.1	76.1	76.7	77.0
8-9000	7.1	53.0	62.3	69.9	74.7	76.1	78.0	79.0	79.5	79.5	79.5	79.5	79.7	79.7	80.3	80.6
9-10000	7.2	53.6	62.9	70.5	75.3	76.7	78.5	79.7	80.1	80.1	80.1	80.1	80.3	80.3	80.9	81.2
10-11000	7.3	54.2	63.5	71.1	76.1	77.5	79.3	80.4	81.1	81.1	81.1	81.1	81.2	81.2	81.8	82.1
11-12000	7.3	55.6	65.1	72.7	78.0	79.3	81.4	82.5	83.1	83.1	83.1	83.1	83.2	83.2	83.9	84.2
12-13000	7.3	55.9	65.4	73.0	78.3	79.7	81.7	82.8	83.4	83.4	83.4	83.4	83.5	83.5	84.2	84.5
13-14000	7.3	57.8	68.2	75.9	81.4	82.9	84.9	86.0	86.6	86.6	86.6	86.6	86.6	86.6	87.4	87.7
14-15000	7.5	59.3	70.0	78.3	83.9	85.4	87.4	88.5	89.1	89.1	89.1	89.1	89.3	89.3	89.9	90.2
15-16000	7.6	59.8	70.3	79.3	85.1	86.6	88.7	89.8	90.4	90.4	90.4	90.4	90.5	90.5	91.1	91.5
16-17000	7.6	60.7	72.0	80.6	86.3	87.9	89.9	91.0	91.6	91.6	91.6	91.6	91.6	91.6	92.4	92.7
17-18000	7.6	60.9	72.2	80.7	86.5	88.0	90.1	91.3	92.1	92.1	92.1	92.1	92.2	92.2	92.9	93.2
18-19000	7.8	61.3	72.7	81.2	87.0	88.5	90.5	91.6	92.5	92.5	92.5	92.5	92.7	92.7	93.3	93.6
19-20000	7.8	62.0	73.3	81.8	87.6	89.1	91.3	92.5	93.3	93.3	93.3	93.3	93.5	93.5	94.1	94.4
20-21000	7.9	62.9	74.2	82.9	88.7	90.2	92.4	93.6	94.4	94.4	94.4	94.4	94.6	94.6	95.2	95.5
21-22000	7.8	63.0	74.5	83.5	89.4	91.3	93.6	94.9	95.7	95.7	95.7	95.7	95.8	95.8	96.4	96.7
22-23000	7.8	63.2	74.7	83.7	89.6	91.6	93.9	95.2	96.0	96.0	96.0	96.0	96.1	96.1	96.7	97.0
23-24000	7.8	63.5	75.0	84.0	90.1	92.1	94.4	95.7	96.4	96.4	96.4	96.4	96.6	96.6	97.2	97.5
24-25000	7.8	64.0	75.6	84.6	90.7	92.7	95.0	96.3	97.0	97.0	97.0	97.0	97.2	97.2	97.8	98.1
25-26000	7.8	64.0	75.6	84.6	91.0	93.0	95.5	96.7	97.5	97.5	97.5	97.5	97.7	97.7	98.3	98.6
26-27000	7.8	64.1	75.8	84.8	91.1	93.2	95.7	96.9	97.7	97.7	97.7	97.7	97.8	97.8	98.4	98.9
27-28000	7.8	64.1	75.8	84.8	91.1	93.2	95.7	97.0	97.8	97.8	97.8	97.8	98.0	98.0	98.6	99.1
28-29000	7.8	64.1	75.8	84.8	91.1	93.2	95.7	97.5	98.3	98.3	98.3	98.3	98.4	98.4	99.1	99.7
29-30000	7.8	64.1	75.8	84.8	91.1	93.2	95.7	97.5	98.3	98.3	98.3	98.3	98.4	98.4	99.1	99.8
30-31000	7.8	64.1	75.8	84.8	91.1	93.2	95.7	97.5	98.3	98.3	98.3	98.3	98.4	98.4	99.1	99.8
31-32000	7.8	64.1	75.8	84.8	91.1	93.2	95.7	97.5	98.3	98.3	98.3	98.3	98.4	98.4	99.1	99.8

TOTAL NUMBER OF OBSERVATIONS 644

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FT KNOX/GOOMAN AAF KY

YEARS 75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

FORM 1-60

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
20000	15.7	37.6	45.7	48.0	51.7	52.3	53.6	54.6	55.1	55.4	55.9	56.0	56.2	56.3	56.3	56.3
18000	16.8	42.7	50.7	54.4	58.9	60.6	62.1	62.9	63.4	63.7	64.2	64.3	64.5	64.6	64.6	65.0
16000	16.8	42.7	50.7	54.4	58.9	60.6	62.1	62.9	63.4	63.7	64.2	64.3	64.5	64.6	64.6	65.0
14000	17.1	43.0	50.9	54.6	59.1	60.8	62.3	63.1	63.6	63.9	64.4	64.5	64.7	64.9	64.9	65.0
12000	17.2	43.1	51.0	55.0	59.6	61.3	62.8	63.6	64.1	64.4	64.9	65.0	65.2	65.3	65.3	65.7
10000	17.6	44.7	52.9	56.9	61.8	63.0	65.1	65.9	66.4	66.7	67.3	67.4	67.6	67.7	67.7	68.1
8000	19.2	48.7	57.7	62.0	67.3	69.1	70.9	71.7	72.2	72.6	73.0	73.3	73.5	73.6	73.6	74.0
6000	19.2	49.2	58.2	62.4	67.7	69.1	71.3	72.1	72.7	73.0	73.5	73.7	74.0	74.1	74.1	74.4
4000	19.9	52.0	62.2	67.1	72.6	74.5	76.6	77.5	78.1	78.5	79.0	79.1	79.4	79.5	79.5	79.9
2000	19.1	53.6	63.4	68.5	74.1	76.0	78.1	79.0	79.6	80.0	80.5	80.6	80.9	81.0	81.0	81.3
1000	19.2	54.3	63.8	69.0	74.5	76.5	78.6	79.5	80.1	80.4	81.0	81.1	81.3	81.5	81.5	81.8
500	19.2	54.7	64.4	69.6	75.1	77.2	79.6	80.5	81.1	81.5	82.0	82.1	82.4	82.5	82.5	82.8
250	19.2	55.3	65.0	70.3	75.8	77.9	80.4	81.3	81.9	82.3	82.8	82.9	83.2	83.3	83.3	83.6
100	19.5	56.0	66.5	72.1	77.0	80.1	82.6	83.5	84.1	84.4	85.0	85.1	85.4	85.5	85.5	85.8
50	19.7	58.1	68.2	74.0	80.0	82.0	84.3	85.3	86.4	86.8	87.3	87.4	87.7	87.8	87.8	88.1
25	19.8	59.1	69.4	75.2	81.7	83.9	86.6	87.8	88.4	88.8	89.5	89.6	89.9	90.0	90.0	90.3
10	19.8	59.2	69.5	75.5	81.9	84.4	87.2	88.5	89.2	89.6	90.3	90.4	90.7	90.8	90.8	91.1
5	20.0	59.7	69.9	76.0	82.5	85.1	88.0	89.4	90.1	90.6	91.2	91.4	91.6	91.7	91.7	92.1
2	20.0	59.7	69.9	76.0	82.5	85.1	88.0	89.4	90.1	90.6	91.2	91.4	91.6	91.7	91.7	92.1
1	20.0	60.0	70.4	76.7	83.3	86.1	89.1	90.4	91.1	91.6	92.3	92.4	92.6	92.7	92.7	93.1
0.5	20.2	60.6	71.1	77.6	84.2	87.0	90.0	91.4	92.1	92.5	93.2	93.3	93.5	93.7	93.7	94.0
0.25	20.3	61.5	72.4	79.0	85.7	88.5	91.6	93.0	93.7	94.1	94.6	94.9	95.2	95.3	95.3	95.6
0.15	20.3	61.6	72.5	79.1	85.8	88.6	92.1	93.4	94.1	94.6	95.3	95.4	95.6	95.7	95.7	96.1
0.1	20.3	61.6	72.6	79.3	85.9	88.7	92.2	93.5	94.2	94.7	95.5	95.6	95.9	96.0	96.0	96.3
0.05	20.3	61.8	72.6	79.5	86.6	89.4	93.0	94.4	95.0	95.5	96.3	96.4	96.7	96.8	96.8	97.1
0.025	20.3	61.8	72.5	79.5	86.8	89.4	93.2	94.6	95.3	95.7	96.5	96.7	96.9	97.0	97.0	97.4
0.015	20.3	62.1	73.0	80.1	87.6	90.4	94.2	95.7	96.4	96.9	97.7	97.8	98.0	98.2	98.2	98.5
0.01	20.3	62.1	73.0	80.1	87.6	90.4	94.5	96.1	97.0	97.5	98.5	98.6	98.8	99.0	99.0	99.3
0.005	20.3	62.1	73.0	80.1	87.6	90.4	94.6	96.2	97.1	97.9	98.8	99.1	99.3	99.4	99.4	99.7
0.0025	20.3	62.1	73.0	80.1	87.6	90.4	94.6	96.2	97.1	97.9	98.8	99.1	99.3	99.4	99.4	99.7
0.0015	20.3	62.1	73.0	80.1	87.6	90.4	94.6	96.2	97.1	97.9	98.8	99.1	99.3	99.4	99.4	99.7
0.001	20.3	62.1	73.0	80.1	87.6	90.4	94.6	96.2	97.1	97.9	98.8	99.1	99.3	99.4	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS 658

ALPINE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

224247 FT MONTX/300MAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥ 20000	25.1	49.1	51.1	53.0	54.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
18000	27.8	56.1	58.3	59.3	61.8	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
16000	27.9	56.6	58.8	60.6	62.2	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
14000	27.7	56.7	58.9	60.9	62.3	63.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
12000	27.7	57.2	59.4	61.4	62.9	64.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
10000	27.7	59.1	61.3	63.3	65.7	66.2	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
8000	27.7	63.9	66.8	69.4	71.2	72.4	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
6000	27.7	64.1	67.0	69.7	71.4	72.7	73.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
4000	30.7	67.7	71.1	74.2	76.6	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
2000	30.7	68.7	72.1	75.6	77.9	79.3	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
1000	31.7	69.0	72.4	75.9	78.2	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
500	31.1	67.3	72.8	76.2	78.6	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
200	31.3	70.2	74.0	77.8	80.1	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
100	31.5	72.2	75.9	79.7	82.0	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
50	32.0	73.6	77.2	81.1	83.8	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
25	32.7	75.1	79.1	83.3	86.3	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
10	32.3	75.4	79.6	83.8	86.9	88.4	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
5	33.2	76.6	81.0	85.2	88.6	90.1	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
2	37.2	77.2	81.7	85.9	89.2	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1	37.3	76.1	83.0	87.3	90.9	92.6	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
0	37.3	76.4	83.4	88.0	91.7	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0	33.6	74.4	84.9	92.3	94.2	95.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0	33.6	74.6	85.7	90.7	94.6	96.2	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
0	33.6	74.6	85.0	90.7	94.9	96.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
0	33.6	74.6	85.1	90.8	95.0	97.0	98.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	33.6	74.6	85.1	90.8	95.0	97.0	98.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	33.6	74.7	85.2	90.9	95.3	97.7	99.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0	33.6	74.7	85.2	90.9	95.3	97.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	33.6	74.7	85.2	90.9	95.3	97.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	33.6	74.7	85.2	90.9	95.3	97.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	33.6	74.7	85.2	90.9	95.3	97.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	33.6	74.7	85.2	90.9	95.3	97.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

L. RAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124240 FT KNOX/COCKMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

124240-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	>10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	27.4	43.3	45.1	46.3	47.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
900	22.3	51.7	54.3	55.3	56.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
800	22.9	51.7	54.3	55.9	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
700	22.9	51.7	54.4	56.0	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
600	22.9	51.7	54.6	56.1	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
500	22.2	54.4	57.4	59.0	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
400	21.3	53.0	53.1	55.0	56.0	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
300	21.3	53.4	53.6	55.4	56.4	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
200	22.0	54.3	57.4	59.4	60.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
100	22.1	55.0	58.1	60.1	61.1	61.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
0	22.2	55.3	59.4	61.4	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1000	22.5	56.3	59.4	61.7	62.3	63.3	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
900	22.9	56.6	60.1	62.6	63.8	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
800	24.2	57.4	61.3	63.9	65.2	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
700	25.2	58.2	62.8	65.4	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
600	27.6	61.7	65.6	68.1	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
500	28.2	62.9	67.1	69.6	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
400	28.7	63.1	67.3	69.8	70.4	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
300	29.2	64.4	68.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
200	30.7	64.8	69.4	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
100	31.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
0	31.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
1000	32.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
900	32.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
800	33.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
700	33.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
600	34.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
500	34.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
400	35.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
300	35.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
200	36.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
100	36.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
0	37.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
1000	37.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
900	38.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
800	38.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
700	39.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
600	39.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
500	40.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
400	40.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
300	41.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
200	41.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
100	42.2	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
0	42.7	65.3	70.1	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

76 - 26

11-11-11

TOTAL NUMBER OF OBSERVATIONS 35

CEILING VERSUS VISIBILITY

2000

—

LIBRARY STATE VES

[illegible]

TOTAL NUMBER OF OBSERVATIONS

1.4-1.4.5 OF A PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

LIBERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

104940 FI MYPX/30MAN AAF NY

75-73.6-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES														
	10	20	25	24	23	22	21	20	19	18	17	16	15	14	13
1000	2.0	54.8	67.1	64.3	69.7	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
900	3.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
800	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
700	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
600	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
500	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
400	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
300	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
200	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
100	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
0	7.2	54.6	65.1	71.5	77.6	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9

TOTAL NUMBER OF OBSERVATIONS 552

USAF ETAC 0-14.5 OF A PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR FATHER SERVICE/440

CEILING VERSUS VISIBILITY

734240 FT KNOX/GOELMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	26	35	24	23	22	22	21	21	21	20	20	20	20	20	20
20000	12.2	45.1	51.0	56.4	60.7	60.7	61.7	62.1	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4
18000	12.6	52.0	59.5	63.8	68.2	68.9	70.4	71.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
16000	13.7	52.2	59.2	63.9	68.4	69.1	71.6	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7
14000	13.7	52.2	59.2	64.0	68.4	69.4	71.7	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
12000	13.9	52.4	59.3	64.2	68.7	69.4	71.7	71.7	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1
10000	14.5	53.6	60.0	66.2	70.7	71.2	73.2	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1
8000	14.5	57.1	64.1	70.2	75.1	75.9	77.4	78.2	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6
6000	14.5	57.6	64.6	70.8	75.6	76.4	78.7	78.7	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2
4000	14.7	60.1	67.7	74.3	78.4	81.2	81.8	82.6	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2000	14.7	60.4	67.1	74.8	78.9	80.7	82.3	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
1000	15.0	60.5	69.2	75.3	80.1	80.9	82.6	83.4	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8
500	15.0	61.5	69.4	76.4	81.5	82.2	84.0	84.8	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3
200	15.1	61.9	69.8	76.7	82.1	82.9	84.6	85.4	85.6	85.8	85.8	85.9	85.9	85.9	85.9	85.9
100	15.3	63.4	71.5	78.7	84.2	85.0	86.0	87.8	88.2	88.1	88.2	88.3	88.3	88.3	88.3	88.3
50	15.4	64.3	73.3	80.3	86.5	87.3	89.3	90.2	90.4	90.3	90.6	90.7	90.7	90.7	90.7	90.7
20	15.5	67.0	75.9	83.6	89.5	90.0	92.4	93.3	93.6	93.7	93.8	93.9	93.9	93.9	93.9	93.9
10	15.7	67.5	76.5	84.4	91.4	91.4	93.3	94.2	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
5	15.7	68.0	77.1	85.0	91.3	92.1	94.2	94.9	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5
2	15.8	68.2	77.3	85.3	91.3	92.4	94.3	95.2	95.5	95.6	95.7	95.7	95.8	95.8	95.8	95.8
1	15.4	68.6	77.7	85.9	92.1	93.2	95.1	96.1	96.4	96.5	96.6	96.7	96.7	96.8	96.8	96.8
0	15.4	68.8	78.1	86.3	92.7	93.6	95.7	96.7	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.5
0	15.4	69.0	78.4	86.7	93.2	94.3	96.3	97.3	97.6	97.8	97.9	97.9	98.0	98.1	98.1	98.1
0	15.4	69.1	78.5	86.8	93.4	94.5	96.6	97.6	97.9	98.0	98.1	98.2	98.3	98.3	98.4	98.4
0	15.4	69.1	78.5	86.9	93.5	94.7	96.7	97.7	98.1	98.2	98.4	98.4	98.5	98.6	98.6	98.6
0	15.4	69.1	78.6	87.0	93.8	94.8	97.0	98.0	98.4	98.5	98.6	98.7	98.8	98.9	98.9	98.9
0	15.4	69.2	78.7	87.2	94.0	95.0	97.2	98.3	98.6	98.8	98.9	99.0	99.1	99.1	99.2	99.2
0	15.4	69.2	78.7	87.2	94.1	95.3	97.4	98.5	98.8	99.0	99.1	99.2	99.3	99.4	99.4	99.5
0	15.4	69.2	78.7	87.3	94.1	95.4	97.5	98.6	98.9	99.1	99.3	99.3	99.4	99.5	99.5	99.6
0	15.4	69.2	78.7	87.3	94.2	95.4	97.6	98.7	99.0	99.3	99.4	99.5	99.6	99.7	99.7	99.8
0	15.4	69.2	78.7	87.3	94.2	95.4	97.6	98.7	99.0	99.3	99.4	99.5	99.7	99.8	99.8	100.0
0	15.4	69.2	78.7	87.3	94.2	95.4	97.6	98.7	99.0	99.3	99.4	99.5	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6368

LOCAL CLIMATOLOGY BRANCH
 SAFETY
 AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION 14-47 FT KNOX/COLMAN AAF KY

75-34

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	35	44	53	62	71	80	89	98	107	116	125	134	143	152
20000	7.1	51.5	56.1	63.9	67.2	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
18000	7.8	56.9	62.3	70.6	74.6	75.3	76.6	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
16000	7.8	57.5	62.9	71.1	75.2	75.9	77.1	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
14000	7.8	57.5	62.9	71.1	75.2	75.9	77.1	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
12000	7.8	57.7	63.2	71.4	75.5	76.2	77.4	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
10000	7.1	59.1	65.3	74.1	78.1	78.6	80.2	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
9000	7.6	62.2	69.0	78.0	82.1	82.6	84.4	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
8000	7.6	62.3	69.3	78.5	82.7	83.4	84.9	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
7000	7.6	64.4	72.5	82.4	86.8	87.4	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
6000	7.6	64.7	73.9	83.1	87.4	88.1	89.7	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
5000	7.6	64.9	73.1	83.3	87.6	88.3	89.8	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
4500	7.6	66.5	74.9	85.2	89.7	90.4	91.9	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
4000	7.6	67.2	75.6	85.9	90.4	91.1	92.6	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
3500	7.6	67.9	76.4	86.9	91.5	92.2	93.9	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
3000	7.6	68.8	77.8	88.3	93.0	93.9	95.5	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2500	7.6	70.4	79.2	90.5	95.3	96.2	98.0	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2000	7.6	70.6	80.1	90.7	95.5	96.5	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1800	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1600	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1400	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	7.6	70.7	80.2	90.8	95.7	96.6	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 717

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

734240 FT KNOX/COMMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-6-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	16.9	50.1	55.6	60.1	62.9	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥25000	19.1	58.4	65.2	69.9	73.8	73.9	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥18000	19.1	58.5	65.3	70.0	73.9	74.0	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥15000	19.1	58.5	65.3	70.0	73.9	74.0	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥14000	19.1	58.6	65.4	70.1	74.0	74.1	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥12000	19.4	58.6	69.5	73.5	77.5	77.6	79.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥10000	27.6	65.6	73.3	78.8	82.9	83.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥9000	27.6	66.6	74.7	79.8	83.9	84.0	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥8000	21.2	57.2	77.4	83.1	87.3	87.4	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥7000	21.2	59.4	77.8	83.5	87.8	87.9	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥6000	21.4	55.5	77.0	83.9	88.1	88.2	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥5000	21.5	70.4	77.8	84.3	89.3	89.4	91.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥4500	21.9	70.9	79.0	85.9	90.4	90.5	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥4000	22.0	72.0	80.0	86.9	91.9	92.0	92.7	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥3500	22.4	73.3	82.4	88.7	93.9	94.1	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥3000	22.6	74.4	84.0	90.6	95.8	96.2	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥2500	22.6	74.9	84.7	91.4	96.6	97.1	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥2000	22.6	74.9	84.7	91.6	96.8	97.3	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1800	22.6	75.1	84.8	91.8	96.9	97.4	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1600	22.6	75.1	84.9	91.9	97.2	97.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1400	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1200	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1000	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥900	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥800	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥700	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥600	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥500	22.6	75.1	84.9	91.9	97.5	98.0	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥400	22.6	75.1	84.9	92.0	97.8	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	22.6	75.1	84.9	92.0	97.8	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	22.6	75.1	84.9	92.0	97.8	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	22.6	75.1	84.9	92.0	97.8	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥50	22.6	75.1	84.9	92.0	97.8	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥25	22.6	75.1	84.9	92.0	97.8	98.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 65

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 724240 FT KNOX/BOGMAN AFB KY

75-64

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-0-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	27.7	49.8	52.7	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
20000	23.2	57.2	60.7	64.1	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
18000	23.3	57.3	60.8	64.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
16000	23.3	57.4	60.9	64.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
14000	23.6	57.6	61.2	64.5	67.4	67.4	67.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
12000	23.6	57.6	61.1	64.5	67.5	67.5	67.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
10000	23.9	63.2	67.3	71.0	73.9	73.9	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
9000	23.9	63.2	67.4	71.2	74.1	74.1	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
8000	24.7	66.3	71.1	74.9	78.0	78.0	78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
7000	24.7	66.3	71.1	74.9	78.0	78.0	78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
6000	24.7	66.4	71.2	75.2	78.2	78.2	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
5000	24.9	67.2	72.3	76.1	79.6	79.6	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
4500	25.2	67.4	72.4	76.5	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
4000	25.4	67.9	75.3	80.2	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
3500	25.7	72.2	78.4	84.1	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3000	25.9	75.5	82.5	88.7	93.3	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2500	27.4	76.7	87.6	89.9	94.8	94.8	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2000	27.5	77.7	84.7	91.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1800	27.5	77.8	84.9	91.3	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1600	27.5	78.6	85.6	92.1	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1400	27.9	78.7	85.8	92.5	98.1	98.2	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1200	27.9	78.9	86.2	92.9	98.6	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1000	27.9	78.9	86.2	92.9	98.6	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
900	27.9	78.9	86.2	92.9	98.6	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
800	27.9	78.9	86.2	92.9	98.6	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
700	27.9	78.9	86.2	93.1	98.7	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	27.9	78.9	86.2	93.1	98.7	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	27.9	78.9	86.2	93.1	98.7	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	27.9	78.9	86.2	93.1	98.7	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	27.9	78.9	86.2	93.1	98.7	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	27.9	78.9	86.2	93.1	98.7	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	27.9	78.9	86.2	93.1	98.7	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 76

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124240 FT KNOX/GODMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	18.5	47.4	51.3	52.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥18000	21.1	55.6	59.9	61.1	63.5	63.5	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥16000	21.1	56.3	60.6	61.8	64.2	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥14000	21.3	56.4	60.7	61.9	64.3	64.3	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥12000	21.2	57.8	62.3	63.5	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥10000	22.6	61.2	66.2	67.5	70.4	70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥9000	22.6	61.7	66.7	68.1	70.9	70.9	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥8000	23.0	63.1	68.9	70.4	73.2	73.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥7000	23.0	63.5	69.4	70.8	73.7	73.7	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥6000	23.7	63.7	69.5	70.9	73.8	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥5000	23.1	65.0	71.1	72.6	75.6	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥4500	23.1	65.3	71.5	72.9	76.1	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥4000	23.3	66.1	74.7	76.5	79.7	79.7	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥3500	24.2	71.4	78.5	81.2	84.7	84.8	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥3000	25.4	76.3	83.6	86.6	90.2	90.3	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥2500	26.1	77.8	85.4	88.5	92.4	92.6	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥2000	26.2	78.9	86.5	89.8	93.6	93.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥1800	26.4	79.7	87.3	90.6	94.5	94.7	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥1600	26.5	80.9	88.5	92.7	96.7	96.9	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥1400	26.5	81.4	89.0	93.3	97.6	97.8	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1200	26.5	81.7	89.4	93.7	98.1	98.3	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1000	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥900	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥800	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥700	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥50	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥20	26.5	81.7	89.5	93.8	98.3	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 988

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724242 FT KNOX/520MAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	14.7	46.3	52.5	57.1	59.8	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
20000	15.4	52.4	59.4	64.4	67.8	68.7	69.3	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
18000	16.4	52.5	59.5	64.5	67.9	68.8	69.4	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
16000	15.4	52.6	59.6	64.7	68.1	68.9	69.5	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
14000	16.6	52.9	59.9	65.0	68.4	69.3	69.8	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
12000	16.7	54.2	61.5	66.6	70.5	71.4	71.9	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
10000	17.1	57.8	65.9	71.1	75.5	76.5	77.2	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
8000	17.1	58.2	66.2	71.5	75.9	76.8	77.6	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
6000	17.9	60.5	67.6	74.0	78.4	79.4	80.1	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
4000	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2000	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
1000	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
500	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
400	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
300	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
200	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
100	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
50	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
25	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
10	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
5	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
1	17.9	61.1	69.4	74.8	79.1	80.1	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724740 FT KNOX/GODMAN AAF KY

75-84

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	6.3	32.0	38.2	44.6	52.5	55.1	58.8	60.0	60.6	61.0	61.3	61.3	61.3	61.6	61.6	61.6
≥ 20000	6.7	35.8	43.7	50.3	59.1	61.9	66.6	68.1	68.8	69.2	69.7	70.0	70.0	70.3	70.3	70.6
≥ 18000	6.7	35.8	43.0	50.3	59.1	61.9	66.6	68.1	68.8	69.2	69.7	70.0	70.0	70.3	70.3	70.6
≥ 6000	6.7	35.8	43.0	50.3	59.1	61.9	66.6	68.1	68.8	69.2	69.7	70.0	70.0	70.3	70.3	70.6
≥ 14000	6.9	36.3	43.5	50.8	59.6	62.4	67.2	68.7	69.3	69.8	70.2	70.6	70.6	70.9	70.9	71.1
≥ 12000	7.0	36.9	44.6	52.1	61.0	63.8	69.7	70.1	70.8	71.2	71.7	72.0	72.0	72.4	72.4	72.6
≥ 10000	7.1	39.3	47.5	55.3	64.8	67.8	72.6	74.2	75.2	75.6	76.1	76.4	76.4	76.7	76.9	77.1
≥ 9000	7.3	39.9	49.1	55.8	65.4	66.3	73.1	74.7	75.7	76.2	76.6	77.0	77.0	77.3	77.4	77.6
≥ 8000	7.4	43.1	51.8	60.1	70.4	73.5	78.7	80.4	81.5	81.9	82.4	82.7	82.7	83.0	83.1	83.4
≥ 7000	7.6	43.6	52.6	61.1	71.5	74.5	79.7	81.5	82.5	82.9	83.4	83.7	83.7	84.0	84.2	84.4
≥ 6000	7.8	43.7	52.7	61.5	71.9	74.9	80.2	82.0	83.0	83.5	83.9	84.3	84.3	84.6	84.7	84.9
≥ 5000	7.8	44.3	53.3	62.2	72.8	76.0	81.2	83.0	84.0	84.5	84.9	85.3	85.3	85.6	85.7	86.0
≥ 4500	7.8	44.3	53.3	62.5	73.1	76.3	81.6	83.4	84.4	84.8	85.3	85.6	85.6	86.0	86.1	86.3
≥ 4000	8.2	45.2	54.2	63.7	74.7	76.1	83.5	85.4	86.4	86.9	87.3	87.6	87.6	88.0	88.1	88.3
≥ 3500	8.2	45.6	54.5	64.7	75.7	79.1	84.5	86.4	87.4	87.9	88.4	88.8	88.8	89.1	89.2	89.4
≥ 3000	8.5	46.6	56.1	66.2	77.2	80.7	86.3	88.2	89.4	89.9	90.6	90.9	90.9	91.2	91.3	91.6
≥ 2500	8.5	46.7	56.2	66.3	77.3	80.8	86.4	88.3	89.6	90.0	90.7	91.0	91.0	91.3	91.5	91.7
≥ 2000	8.8	47.2	56.6	66.7	77.8	81.3	87.0	88.9	90.1	90.6	91.2	91.6	91.6	91.9	92.0	92.2
≥ 1800	8.8	47.3	56.7	66.9	77.9	81.5	87.1	89.0	90.2	90.7	91.3	91.7	91.7	92.0	92.1	92.4
≥ 1500	8.8	47.3	56.7	67.1	78.1	81.9	87.6	89.6	90.8	91.2	91.9	92.2	92.2	92.6	92.7	92.9
≥ 1200	8.9	47.6	57.1	67.4	78.5	82.4	88.2	90.1	91.3	91.8	92.5	92.8	92.8	93.1	93.3	93.5
≥ 1000	8.9	47.9	57.3	67.9	79.2	83.1	89.2	91.2	92.5	92.9	93.6	93.9	93.9	94.4	94.5	94.7
≥ 900	8.9	47.9	57.3	68.0	79.3	83.3	89.3	91.3	92.6	93.0	93.7	94.2	94.2	94.6	94.7	94.9
≥ 800	8.9	47.9	57.3	68.0	79.4	83.4	89.4	91.5	92.7	93.3	94.0	94.5	94.5	94.9	95.1	95.3
≥ 700	8.9	48.0	57.5	68.3	80.1	84.2	90.2	92.4	93.6	94.2	94.9	95.4	95.4	95.8	96.0	96.2
≥ 600	8.9	48.2	57.8	68.8	80.8	84.8	91.0	93.3	94.5	95.1	95.8	96.3	96.3	96.7	96.9	97.1
≥ 500	8.9	48.2	57.8	68.9	81.0	85.2	91.6	93.9	95.2	95.7	96.5	97.0	97.0	97.5	97.6	97.9
≥ 400	8.9	48.2	57.9	69.0	81.1	85.3	91.8	94.2	95.4	96.1	96.9	97.3	97.3	97.9	98.0	98.2
≥ 300	8.9	48.2	57.9	69.0	81.1	85.3	91.9	94.4	95.7	96.5	97.5	98.1	98.2	98.8	98.9	99.1
≥ 200	8.9	48.2	57.9	69.0	81.1	85.3	91.9	94.4	95.7	96.5	97.5	98.2	98.3	99.0	99.2	99.4
≥ 100	8.9	48.2	57.9	69.0	81.1	85.3	91.9	94.4	95.7	96.5	97.5	98.2	98.3	99.0	99.4	100.0
≥ 0	8.9	48.2	57.9	69.0	81.1	85.3	91.9	94.4	95.7	96.5	97.5	98.2	98.3	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 872

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-240

FI KNOX/GOODMAN AAF KY

75-84

100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0-100-2500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	7.3	41.1	47.7	57.1	62.6	63.5	66.3	67.5	67.7	68.0	68.0	68.0	68.0	68.3	68.3
≥ 20000	2.7	45.0	52.3	62.6	69.5	70.7	74.0	75.5	75.6	76.1	76.1	76.1	76.1	76.5	76.5
≥ 18000	2.7	45.0	52.3	62.6	69.5	70.7	74.0	75.5	75.6	76.1	76.1	76.1	76.1	76.5	76.5
≥ 16000	2.7	45.0	52.3	62.6	69.5	70.7	74.0	75.5	75.6	76.1	76.1	76.1	76.1	76.5	76.5
≥ 14000	2.7	45.1	52.5	62.7	69.6	70.8	74.1	75.6	75.8	76.2	76.2	76.2	76.2	76.7	76.7
≥ 12000	3.2	46.0	53.4	63.6	70.5	71.7	75.0	76.5	76.7	77.1	77.1	77.1	77.1	77.6	77.6
≥ 10000	3.2	46.3	56.5	67.5	74.6	75.8	79.1	80.6	80.8	81.2	81.2	81.2	81.2	81.7	81.7
≥ 9000	3.2	46.7	57.0	68.0	75.7	76.2	79.5	81.1	81.2	81.7	81.7	81.7	81.7	82.1	82.1
≥ 8000	3.2	51.7	60.5	72.2	79.2	80.6	84.2	85.7	85.9	86.3	86.3	86.3	86.3	86.8	86.8
≥ 7000	3.2	51.9	60.6	72.3	79.4	80.8	84.4	85.9	86.0	86.5	86.5	86.5	86.5	86.9	86.9
≥ 6000	3.2	51.9	60.8	72.5	79.5	80.9	84.5	86.0	86.2	86.6	86.6	86.6	86.6	87.1	87.1
≥ 5000	3.2	52.6	62.3	74.1	81.2	82.6	86.2	87.7	87.8	88.3	88.3	88.3	88.3	88.7	88.7
≥ 4500	3.2	53.1	62.6	74.6	81.7	83.0	86.6	88.1	88.3	88.7	88.7	88.7	88.7	89.2	89.2
≥ 4000	3.2	54.9	64.4	76.4	83.8	85.1	88.9	90.5	90.7	91.1	91.1	91.1	91.1	91.6	91.6
≥ 3500	3.2	55.3	65.3	77.6	85.0	86.3	90.1	91.7	91.9	92.3	92.3	92.3	92.3	92.8	92.8
≥ 3000	3.2	55.4	66.2	78.6	86.6	88.0	91.9	93.5	93.7	94.1	94.1	94.1	94.1	94.6	94.6
≥ 2500	3.2	55.8	66.5	78.9	86.9	88.3	92.2	93.8	94.0	94.4	94.4	94.4	94.4	94.9	94.9
≥ 2000	3.2	55.8	66.6	79.2	87.2	88.6	92.5	94.3	94.4	94.9	94.9	94.9	94.9	95.3	95.3
≥ 1800	3.2	56.1	66.9	79.5	87.7	89.0	92.9	94.7	94.9	95.3	95.3	95.3	95.3	95.8	95.8
≥ 1500	3.2	56.1	67.2	79.8	88.0	89.3	93.4	95.3	95.5	95.9	95.9	95.9	95.9	96.4	96.4
≥ 1200	3.2	56.5	67.7	80.3	88.4	89.8	93.8	95.8	95.9	96.4	96.4	96.4	96.4	96.8	96.8
≥ 1000	3.2	56.5	67.8	80.5	88.6	89.9	94.0	95.9	96.1	96.5	96.5	96.5	96.5	97.0	97.0
≥ 900	3.2	56.5	68.0	80.6	88.7	90.1	94.3	96.2	96.4	96.8	96.8	96.8	96.8	97.1	97.1
≥ 800	3.2	56.7	68.1	80.8	89.0	90.4	94.6	96.5	96.7	97.1	97.1	97.1	97.1	97.6	97.6
≥ 700	3.2	56.7	68.1	80.9	89.2	90.5	94.7	96.7	96.8	97.3	97.3	97.3	97.3	97.7	97.7
≥ 600	3.2	56.7	68.3	81.2	89.5	90.8	95.0	97.0	97.1	97.6	97.6	97.6	97.6	98.0	98.0
≥ 500	3.2	56.7	68.3	81.2	89.5	90.8	95.0	97.0	97.1	97.6	97.6	97.6	97.6	98.0	98.0
≥ 400	3.2	56.7	68.3	81.4	89.8	91.1	95.3	97.3	97.4	97.9	97.9	97.9	97.9	98.2	98.2
≥ 300	3.2	56.7	68.3	81.4	89.8	91.1	95.5	97.4	97.6	98.0	98.0	98.0	98.0	98.6	98.6
≥ 200	3.2	56.7	68.3	81.4	89.8	91.1	95.5	97.4	97.6	98.3	98.3	98.3	98.3	99.1	99.1
≥ 100	3.2	56.7	68.3	81.4	89.8	91.1	95.5	97.4	97.6	98.3	98.5	98.5	98.5	99.4	99.4
≥ 0	3.2	56.7	68.3	81.4	89.8	91.1	95.5	97.4	97.6	98.3	98.5	98.5	98.5	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 665

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

704240
STATION

FT KNOX/GOODMAN AAF KY
STATION NAME

75-78, 83-84
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 1-72
NOV 73

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥.05
NO CEILING	3.2	50.5	57.0	65.9	68.5	68.5	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 20000	3.2	55.2	62.3	71.4	74.7	74.7	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 18000	3.6	55.2	62.3	71.4	74.7	74.7	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 16000	7.9	55.2	62.3	71.4	74.7	74.7	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 14000	3.9	55.6	62.7	71.8	75.2	75.2	77.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	4.0	56.8	63.9	73.0	76.5	76.5	78.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	4.2	59.4	67.2	76.3	80.0	80.0	82.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 9000	4.2	59.7	67.6	76.9	80.7	80.7	82.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 8000	4.2	62.5	71.4	81.2	86.0	86.0	88.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 7000	4.7	62.7	71.8	81.6	86.3	86.3	88.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 6000	4.7	63.2	72.3	82.1	86.9	86.9	88.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 5000	4.2	64.7	74.1	84.0	88.7	88.7	90.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4500	4.2	65.2	74.7	84.5	89.6	89.6	91.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 4000	4.2	66.7	76.1	86.2	91.3	91.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	4.6	67.8	77.2	87.2	92.3	92.3	94.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3000	4.6	70.1	79.8	89.8	94.9	94.9	96.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2500	4.6	70.7	80.3	90.5	95.6	95.6	97.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	4.6	70.7	80.3	90.5	95.6	95.6	97.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	4.6	70.7	80.3	90.5	96.0	96.0	98.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	4.6	70.7	80.3	90.5	96.0	96.0	98.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	4.6	70.9	80.5	90.7	96.2	96.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	4.6	70.9	80.5	90.7	96.2	96.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	4.6	70.9	80.5	90.7	96.2	96.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	4.6	70.9	80.5	90.7	96.2	96.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	4.6	70.9	80.5	90.7	96.2	96.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	4.6	71.0	80.7	90.9	96.4	96.4	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	4.6	71.0	80.7	90.9	96.4	96.4	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	4.6	71.0	80.7	90.9	96.4	96.4	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	4.6	71.0	80.7	90.9	96.4	96.4	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	4.6	71.0	80.7	90.9	96.4	96.4	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	4.6	71.0	80.7	90.9	96.4	96.4	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	4.6	71.0	80.7	90.9	96.4	96.4	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 51

JOINT CLIMATE LOGIC BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FT KNOX/GORDMAN AAF KY

YEARS 75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH ALL
HOURS ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	19.9	47.5	51.9	54.8	56.4	56.9	57.4	57.6	57.7	57.7	57.8	57.8	57.8	57.9	57.9	57.9
≥ 20000	21.3	54.6	53.9	63.1	65.3	65.5	66.3	66.6	66.7	66.7	66.8	66.8	66.8	66.9	66.9	67.0
≥ 18000	21.3	54.6	60.0	63.2	65.4	66.5	66.4	66.7	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.1
≥ 16000	21.4	54.6	62.1	63.2	65.4	66.6	66.5	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.1	67.2
≥ 14000	21.5	55.1	60.3	63.6	65.8	66.4	66.8	67.1	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.5
≥ 12000	22.1	55.7	62.0	65.2	67.5	68.1	68.6	68.8	68.9	69.0	69.1	69.1	69.1	69.2	69.2	69.3
≥ 10000	23.3	60.9	66.7	70.3	72.7	73.3	73.9	74.1	74.2	74.3	74.4	74.4	74.5	74.5	74.5	74.5
≥ 9000	23.3	61.3	67.1	70.7	73.1	73.7	74.3	74.5	74.6	74.7	74.8	74.8	74.9	74.9	74.9	75.0
≥ 8000	24.0	65.0	71.1	75.3	77.7	78.4	79.0	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.7	79.8
≥ 7000	24.1	65.2	72.0	76.0	78.6	79.4	80.0	80.3	80.4	80.5	80.5	80.6	80.6	80.7	80.8	80.8
≥ 6000	24.3	66.4	72.6	76.6	79.3	80.1	80.7	80.9	81.1	81.1	81.2	81.2	81.3	81.3	81.4	81.4
≥ 5000	24.4	67.3	73.6	77.7	80.4	81.2	81.9	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.6	82.7
≥ 4500	24.5	67.7	74.1	78.3	81.1	81.9	82.6	82.8	83.0	83.1	83.1	83.2	83.2	83.2	83.3	83.4
≥ 4000	25.2	70.4	77.0	81.4	84.3	85.2	86.0	86.3	86.4	86.5	86.6	86.6	86.6	86.7	86.7	86.8
≥ 3500	25.4	72.4	79.4	83.9	87.1	88.1	88.8	89.1	89.3	89.3	89.4	89.4	89.5	89.5	89.6	89.6
≥ 3000	25.0	74.5	81.7	86.5	90.0	91.0	91.8	92.1	92.3	92.4	92.5	92.5	92.5	92.5	92.6	92.7
≥ 2500	26.3	75.4	82.8	87.6	91.2	92.3	93.1	93.4	93.6	93.7	93.8	93.8	93.8	93.9	93.9	94.0
≥ 2000	26.5	76.0	83.5	88.4	92.1	93.2	94.0	94.4	94.6	94.7	94.8	94.8	94.8	94.9	94.9	95.0
≥ 1500	26.5	76.2	83.7	88.6	92.4	93.4	94.3	94.7	94.9	95.0	95.1	95.1	95.2	95.2	95.3	95.3
≥ 1000	26.6	76.7	84.4	89.4	93.3	94.4	95.3	95.7	95.9	96.0	96.1	96.2	96.2	96.2	96.3	96.4
≥ 900	26.7	77.1	84.9	90.0	93.8	95.0	95.9	96.3	96.5	96.6	96.8	96.8	96.8	96.8	96.9	97.0
≥ 800	26.8	77.6	85.5	90.8	94.8	96.0	97.0	97.4	97.6	97.7	97.9	97.9	97.9	97.9	98.0	98.1
≥ 700	26.8	77.6	85.5	90.9	94.9	96.1	97.1	97.6	97.7	97.9	98.0	98.0	98.1	98.1	98.2	98.3
≥ 600	26.8	77.7	85.6	91.0	95.2	96.3	97.4	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.5	98.6
≥ 500	26.8	77.8	85.7	91.2	95.5	96.7	97.8	98.2	98.4	98.5	98.7	98.7	98.8	98.8	98.9	99.0
≥ 400	26.8	77.8	85.7	91.2	95.6	96.9	98.0	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.1	99.2
≥ 300	26.8	77.8	85.8	91.4	95.8	97.1	98.3	98.7	98.9	99.1	99.2	99.3	99.3	99.3	99.4	99.5
≥ 200	26.8	77.8	85.8	91.4	95.8	97.1	98.4	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.9
≥ 100	26.8	77.8	85.8	91.4	95.8	97.1	98.4	99.0	99.2	99.4	99.6	99.7	99.7	99.7	99.8	100.0
≥ 0	26.8	77.8	85.8	91.4	95.8	97.1	98.4	99.0	99.2	99.4	99.6	99.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6291

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

LOCAL CLIMATOLOGY BRANCH
USAFETAC
4TH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724247 STATION FT KNOX/BOOMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	15.4	55.5	60.9	64.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥20000	16.4	61.2	68.1	71.8	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥18000	16.4	61.2	68.1	71.8	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥16000	16.4	61.2	68.1	71.8	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥14000	16.4	61.3	68.3	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥12000	16.0	62.6	69.7	73.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥10000	17.8	66.9	74.5	78.5	82.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥9000	17.8	66.9	74.5	78.5	82.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥8000	16.8	70.4	78.5	82.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥7000	12.2	71.6	79.7	83.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥6000	12.2	72.5	80.8	84.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥5000	12.2	73.7	82.1	86.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥4500	12.2	74.1	82.5	86.9	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥4000	10.1	75.4	84.2	88.8	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥3500	10.1	76.4	85.8	90.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥3000	10.1	78.5	88.2	92.9	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥2500	10.1	79.1	88.9	93.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥2000	10.1	79.2	89.2	93.9	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥1800	10.1	79.2	89.2	93.9	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1500	10.1	79.2	89.2	94.5	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1200	10.1	79.2	89.2	94.5	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1000	10.1	79.5	89.6	94.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥900	10.1	79.5	89.6	94.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥800	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	10.1	79.5	89.6	95.0	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 72

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

174240

FT KNOX/GODMAN AAF KY

75-84

YEARS

1-100-2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	27.6	53.8	57.6	63.1	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥2000	26.4	61.9	66.9	69.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥1800	26.4	62.1	67.1	69.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥1600	26.4	62.1	67.1	69.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥1400	26.4	62.1	67.1	69.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥1200	27.3	64.3	69.7	72.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥1000	28.5	68.8	74.4	76.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥800	28.8	69.4	75.0	77.5	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥600	30.0	74.5	80.2	83.5	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥400	31.7	75.2	80.9	84.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥200	31.3	76.6	82.5	85.9	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥100	31.7	77.1	83.0	86.4	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥50	32.2	79.0	85.1	88.5	90.4	90.6	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥25	32.6	80.4	86.9	90.4	92.5	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥12.5	33.1	83.7	89.6	93.2	95.4	96.1	96.4	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥6.25	33.2	83.2	90.0	93.8	96.0	96.7	96.9	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥3.125	33.3	83.8	90.6	94.4	96.6	97.3	97.5	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥1.5625	33.3	83.8	90.6	94.4	96.6	97.3	97.5	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥0.78125	33.5	83.9	91.0	94.7	96.9	97.7	97.9	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥0.390625	33.5	83.9	91.0	94.7	96.9	97.7	97.9	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥0.1953125	33.5	83.9	91.2	95.0	97.2	97.9	98.1	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥0.09765625	33.5	83.9	91.2	95.0	97.2	97.9	98.1	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥0.048828125	33.5	84.2	91.7	95.5	98.2	98.9	99.2	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥0.0244140625	33.5	84.2	91.7	95.5	98.2	98.9	99.2	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥0.01220703125	33.5	84.2	91.7	95.5	98.2	98.9	99.2	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥0.006103515625	33.5	84.2	91.7	95.5	98.2	98.9	99.2	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥0.0030517578125	33.5	84.2	91.7	95.5	98.2	98.9	99.2	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥0.00152587890625	33.5	84.2	91.7	95.5	98.2	98.9	99.2	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥0.000762939453125	33.5	84.2	91.7	95.5	98.2	98.9	99.2	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

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

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 224242 FI KNOX/GOLMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	5.5	27.4	34.3	40.6	47.6	50.9	55.3	56.9	57.4	58.2	58.2	59.0	59.1	59.1	59.1
≥18000	5.7	30.1	37.7	44.3	51.8	55.5	60.2	61.9	62.6	63.5	64.1	64.3	64.4	64.4	64.4
≥16000	5.7	30.1	37.7	44.3	51.8	55.5	60.2	61.9	62.6	63.5	64.1	64.3	64.4	64.4	64.4
≥14000	6.1	30.4	38.0	44.7	52.4	55.6	60.7	62.5	63.1	64.1	64.6	64.9	65.0	65.0	65.0
≥12000	6.4	32.1	40.2	47.1	54.9	58.2	63.5	65.3	66.0	67.0	67.6	67.9	68.0	68.0	68.0
≥10000	7.1	34.2	43.2	50.4	59.8	63.5	69.6	71.6	72.3	73.7	74.6	74.9	75.0	75.0	75.0
≥8000	7.1	34.8	43.9	51.1	60.5	64.2	70.3	72.3	73.0	74.4	75.3	75.5	75.7	75.7	75.7
≥6000	7.1	35.8	45.5	53.2	62.9	66.8	73.0	75.1	75.8	77.5	78.4	78.6	78.8	78.8	78.8
≥4000	7.1	35.8	45.6	53.3	63.0	66.9	73.1	75.2	75.9	77.6	78.5	78.8	78.9	78.9	78.9
≥2000	7.5	36.9	46.3	54.5	64.4	68.3	74.5	77.0	77.7	79.4	80.4	80.6	80.7	80.7	80.7
≥1000	7.5	37.4	47.5	55.3	65.4	69.3	75.5	78.1	78.8	80.5	81.4	81.6	81.7	81.7	81.7
≥500	7.8	39.2	49.3	57.1	67.2	71.1	77.3	80.0	80.7	82.4	83.4	83.6	83.7	83.7	83.7
≥250	7.8	39.7	50.1	57.9	68.3	72.3	78.6	81.6	82.4	84.3	85.2	85.4	85.5	85.5	85.5
≥125	7.8	40.9	51.4	59.7	70.7	74.7	81.4	84.5	85.3	87.1	88.3	88.5	88.6	88.6	88.6
≥75	7.8	40.9	51.4	59.7	70.8	74.9	81.5	84.6	85.4	87.3	88.4	88.6	88.7	88.7	88.7
≥50	7.8	40.9	51.4	59.7	71.0	75.1	82.1	85.2	86.0	87.8	89.0	89.2	89.3	89.3	89.3
≥25	8.0	41.1	51.8	60.0	71.5	75.8	82.9	86.0	86.8	88.7	89.9	90.1	90.2	90.2	90.2
≥15	8.0	41.2	51.9	60.3	72.7	76.3	83.7	86.6	87.6	89.6	90.7	90.9	91.0	91.0	91.0
≥10	8.0	41.4	52.1	60.5	72.4	76.8	84.4	87.6	88.4	90.4	91.5	91.7	91.8	91.8	91.8
≥7.5	8.0	41.4	52.2	60.7	72.7	77.0	84.6	87.9	88.7	90.7	91.8	92.1	92.2	92.2	92.2
≥5	8.0	41.7	52.5	61.1	73.2	77.6	85.2	88.5	89.3	91.3	92.4	92.7	92.8	92.8	92.8
≥2.5	8.0	41.7	52.5	61.1	73.4	77.8	85.8	89.2	90.0	92.0	93.2	93.5	93.6	93.6	93.6
≥1.5	8.0	41.7	52.6	61.3	73.6	78.5	86.5	90.0	90.8	92.8	94.0	94.6	94.7	94.7	94.7
≥1	8.0	41.7	52.7	61.5	74.3	79.3	87.7	91.4	92.2	94.1	95.4	96.0	96.1	96.1	96.1
≥0.75	8.0	41.7	52.7	61.7	74.4	79.6	88.3	92.1	92.9	94.9	96.4	97.0	97.2	97.2	97.2
≥0.5	8.0	41.7	52.7	61.7	74.4	79.7	88.7	92.7	93.6	95.8	97.4	98.0	98.4	98.4	98.4
≥0.25	8.0	41.7	52.7	61.7	74.4	79.7	88.7	92.8	93.7	96.0	97.6	98.3	98.7	98.7	98.7
≥0.1	8.0	41.7	52.7	61.7	74.4	79.7	88.7	92.8	93.7	96.0	97.6	98.3	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 124240 FT KNOX/GODMAN AAF KY

75-84

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-20-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING 20000	14.5	43.3	50.2	55.8	58.8	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6
≥ 18000	15.5	48.0	55.8	61.4	64.6	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
≥ 16000	15.5	48.0	56.0	61.6	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8
≥ 14000	15.7	48.3	56.5	62.0	65.3	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2
≥ 12000	16.5	49.7	57.8	63.5	66.8	67.5	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
≥ 10000	17.0	52.5	61.3	67.7	71.1	72.0	72.3	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6
≥ 9000	17.4	54.1	64.6	71.4	75.4	76.6	76.9	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3
≥ 8000	17.4	55.1	64.9	71.7	75.7	76.9	77.2	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6
≥ 7000	17.5	55.2	65.1	71.8	75.8	77.0	77.3	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8
≥ 6000	17.7	55.8	66.0	73.0	77.0	78.2	78.5	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0
≥ 5000	17.7	56.0	66.2	73.4	77.4	78.6	78.9	79.2	79.2	79.4	79.5	79.5	79.5	79.5	79.5
≥ 4500	17.8	56.8	67.1	74.3	78.4	79.6	79.9	80.2	80.2	80.3	80.4	80.4	80.4	80.4	80.4
≥ 4000	18.0	57.5	68.0	75.7	80.1	81.4	81.7	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3
≥ 3500	18.4	60.0	70.8	79.0	84.2	85.6	86.3	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6
≥ 3000	18.4	60.3	71.1	79.5	84.6	86.1	86.6	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1
≥ 2500	18.6	61.6	72.6	81.2	86.3	88.0	88.4	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9
≥ 2000	18.6	62.0	73.1	81.7	86.9	88.5	88.9	89.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5
≥ 1500	18.6	62.5	73.7	82.3	87.5	89.1	89.6	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1
≥ 1000	18.6	63.4	75.2	83.8	89.2	90.9	91.4	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9
≥ 900	18.6	63.7	75.4	84.3	89.9	91.6	92.3	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9
≥ 800	18.6	63.8	75.5	84.8	90.6	92.4	93.2	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1
≥ 700	18.6	64.2	76.3	85.9	91.9	93.9	94.9	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8
≥ 600	18.6	64.3	76.5	86.0	92.2	94.2	95.4	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3
≥ 500	18.6	64.3	76.5	86.5	92.9	95.3	96.6	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6
≥ 400	18.6	64.3	76.8	86.9	93.4	96.0	97.8	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6
≥ 300	18.6	64.3	76.8	86.9	93.4	96.2	98.2	99.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	18.6	64.3	76.8	86.9	93.4	96.2	98.2	99.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	18.6	64.3	76.8	86.9	93.4	96.2	98.2	99.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	18.6	64.3	76.8	86.9	93.4	96.2	98.2	99.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 57

CEILING VERSUS VISIBILITY

75-84

~~SECRET~~[illegible]TOTAL NUMBER OF OBSERVATIONS 93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724240
STATION

FT KNOX/COUMAN AAF KY
STATION NAME

75-84
YEAR

AM
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 02-17
MOON

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.1	47.1	54.7	57.6	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	22.3	53.9	62.5	65.4	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 18000	22.5	54.3	62.8	65.7	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 16000	22.6	54.4	62.9	65.8	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000	22.8	54.7	63.3	66.1	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	24.1	57.2	65.8	69.0	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	24.8	61.2	70.3	73.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000	24.9	61.5	70.6	74.0	75.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	25.9	64.9	74.1	78.2	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 7000	26.0	65.4	74.6	78.7	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	26.7	65.6	74.9	79.0	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	26.2	66.1	75.5	79.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500	26.2	66.3	75.6	79.7	81.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	26.4	66.5	75.6	82.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3500	27.1	71.5	82.2	86.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	28.1	76.1	87.7	92.2	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	28.1	76.6	88.3	93.2	95.6	95.9	96.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	28.2	77.0	89.1	94.0	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	28.2	77.1	89.2	94.1	96.4	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1600	28.2	77.2	89.3	94.2	96.6	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1400	28.2	77.6	90.0	94.9	97.4	97.6	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	28.2	77.6	90.3	95.6	98.2	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	28.2	77.9	90.6	95.8	98.4	98.9	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	28.2	77.9	90.6	95.8	98.4	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	28.2	78.0	90.7	95.9	98.6	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	28.2	78.0	90.7	96.0	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	28.2	78.0	90.7	96.0	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	28.2	78.0	90.7	96.0	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	28.2	78.0	90.7	96.0	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	28.2	78.0	90.7	96.0	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	28.2	78.0	90.7	96.0	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	28.2	78.0	90.7	96.0	98.8	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22-240 FT KNOX/602 MAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	16.5	44.2	53.5	59.3	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	17.9	51.2	61.9	68.1	71.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	17.9	51.2	61.9	68.1	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	18.3	51.6	62.3	68.4	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 14000	18.6	52.3	63.0	69.2	71.4	71.6	71.9	71.8	71.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 12000	20.5	54.9	65.8	72.0	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 10000	21.7	59.0	70.2	76.5	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 9000	21.2	57.7	71.1	77.3	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 8000	22.3	64.8	76.6	83.3	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 7000	22.7	65.1	77.0	83.6	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	22.3	65.7	77.6	84.2	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	22.4	66.7	78.8	85.4	87.7	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500	22.4	66.8	78.9	85.5	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4000	22.5	66.2	80.5	87.5	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	22.5	69.3	81.7	88.7	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	23.0	71.5	84.8	92.6	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2500	23.0	71.6	84.9	92.8	96.4	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	23.0	71.9	85.2	93.1	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	23.0	71.9	85.2	93.1	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1600	23.0	72.2	85.6	93.6	97.7	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1400	23.0	72.4	85.8	93.8	98.1	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 50	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 25	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 10	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 5	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.5	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.25	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.1	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.05	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.025	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.01	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.005	23.0	72.6	86.0	94.2	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 240

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

CEILING VERSUS VISIBILITY

124247

FT KNOX/67, MAN AAF KY

75-84

VEAF

—

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~100-240~~

[illegible]TOTAL NUMBER OF OBSERVATIONS 717

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FT KNOX/GOODMAN AAF KY

DATE 75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NOV CEILING	11.7	43.7	50.7	55.6	58.9	59.0	60.7	61.0	61.1	61.2	61.3	61.3	61.4	61.4	61.4	61.4
20000	12.8	48.9	56.7	62.1	63.8	66.6	67.3	68.2	68.3	68.4	68.5	68.6	68.6	68.6	68.6	68.6
18000	12.8	49.1	56.8	62.2	65.9	66.6	67.9	68.3	68.4	68.5	68.6	68.6	68.7	68.7	68.7	68.7
16000	13.2	49.1	57.3	62.4	66.1	67.3	68.1	68.4	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8
14000	13.2	49.4	57.3	62.7	66.4	67.4	68.5	68.8	68.9	69.0	69.1	69.2	69.2	69.2	69.2	69.2
12000	14.0	51.3	59.5	65.0	68.8	69.7	70.9	71.2	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6
10000	14.5	54.7	63.4	69.3	73.5	74.6	75.9	76.3	76.4	76.5	76.7	76.7	76.8	76.8	76.8	76.8
8000	14.5	55.1	63.8	69.7	73.9	75.4	76.2	76.6	76.8	77.0	77.1	77.1	77.2	77.2	77.2	77.2
6000	15.0	57.8	67.2	73.5	78.1	79.3	80.6	81.0	81.1	81.4	81.5	81.5	81.6	81.6	81.6	81.6
4000	15.0	58.1	67.5	73.9	78.5	79.7	81.0	81.4	81.5	81.8	81.9	82.0	82.0	82.0	82.0	82.0
2000	15.0	58.4	67.9	74.3	78.9	80.6	81.4	81.9	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4
1000	15.2	59.1	68.8	75.2	79.9	81.1	82.5	83.0	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5
500	15.2	59.4	69.1	75.6	80.3	81.5	82.9	83.4	83.5	83.8	83.9	84.0	84.0	84.0	84.0	84.0
400	15.3	59.8	70.2	77.0	82.6	83.9	85.3	85.8	85.9	86.2	86.3	86.3	86.4	86.4	86.4	86.4
300	15.6	62.2	72.6	79.4	84.6	85.9	87.3	87.9	88.0	88.3	88.5	88.5	88.5	88.5	88.5	88.5
200	16.1	64.8	75.6	82.8	88.5	89.6	91.4	92.0	92.2	92.5	92.6	92.7	92.7	92.7	92.7	92.7
100	16.2	65.0	75.9	83.3	89.0	90.4	92.0	92.7	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3
50	16.2	65.5	76.6	84.7	90.0	91.3	93.1	93.8	94.0	94.3	94.4	94.5	94.5	94.5	94.5	94.5
20	16.2	65.6	76.7	84.2	90.1	91.5	93.3	94.0	94.1	94.4	94.6	94.6	94.7	94.7	94.7	94.7
10	16.2	65.9	77.0	84.5	90.5	92.0	93.8	94.5	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2
5	16.2	66.2	77.6	85.1	91.4	92.8	94.6	95.4	95.5	95.8	96.0	96.0	96.1	96.1	96.1	96.1
2	16.2	66.5	77.9	85.5	91.9	93.3	95.3	96.1	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8
1	16.2	66.6	78.0	85.7	92.1	93.6	95.5	96.4	96.5	96.9	97.0	97.1	97.1	97.1	97.1	97.1
0	16.2	66.7	78.2	85.9	92.4	93.9	96.0	96.8	96.9	97.3	97.4	97.5	97.5	97.5	97.5	97.5
NOV	16.2	66.7	78.2	86.0	92.5	94.1	96.2	97.1	97.2	97.5	97.7	97.8	97.8	97.8	97.8	97.8
NOV	16.2	66.8	78.3	86.1	92.7	94.4	96.6	97.5	97.6	98.0	98.2	98.2	98.3	98.3	98.3	98.3
NOV	16.2	66.8	78.3	86.3	93.0	94.7	97.0	97.9	98.1	98.4	98.6	98.7	98.8	98.8	98.8	98.8
NOV	16.2	66.8	78.3	86.3	93.1	94.9	97.2	98.3	98.4	98.8	99.1	99.2	99.2	99.2	99.2	99.2
NOV	16.2	66.8	78.3	86.3	93.1	95.0	97.4	98.5	98.7	99.1	99.4	99.5	99.5	99.5	99.5	99.5
NOV	16.2	66.8	78.3	86.3	93.1	95.0	97.4	98.5	98.7	99.2	99.5	99.6	99.7	99.7	99.7	99.7
NOV	16.2	66.8	78.3	86.3	93.1	95.0	97.4	98.5	98.7	99.2	99.5	99.6	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 5401

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

104240 FT KNOX/GOODMAN AAF KY

75-78,82-c4

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
4000	4.5	52.6	57.6	53.0	55.3	65.7	67.0	68.3	68.3	68.7	68.8	68.8	68.8	69.0	69.0	69.0
3800	4.9	54.9	60.8	67.3	70.2	70.5	71.9	73.2	73.2	73.5	73.7	73.7	73.7	73.9	73.9	74.0
3600	4.0	54.9	60.8	67.3	70.2	70.5	71.9	73.2	73.2	73.5	73.7	73.7	73.7	73.9	73.9	74.0
3400	4.0	54.9	60.8	67.3	70.2	70.5	71.9	73.2	73.2	73.5	73.7	73.7	73.7	73.9	73.9	74.0
3200	4.0	54.9	60.8	67.3	70.2	70.5	71.9	73.2	73.2	73.5	73.7	73.7	73.7	73.9	73.9	74.0
3000	4.0	55.3	61.1	67.8	70.7	71.0	72.4	73.7	73.7	74.0	74.2	74.2	74.2	74.4	74.4	74.5
2800	4.0	59.1	65.3	72.2	75.4	75.7	77.1	78.4	78.4	78.7	78.9	78.9	78.9	79.1	79.1	79.2
2600	4.0	59.1	65.3	72.2	75.4	75.7	77.1	78.4	78.4	78.7	78.9	78.9	78.9	79.1	79.1	79.2
2400	4.0	61.8	68.2	75.9	79.1	79.4	80.7	82.1	82.1	82.4	82.7	82.7	82.7	82.9	83.1	83.2
2200	4.0	63.5	69.5	77.7	80.9	81.2	82.6	83.9	83.9	84.3	84.6	84.6	84.6	84.8	84.9	85.1
2000	4.0	63.8	70.2	78.1	81.2	81.6	82.9	84.3	84.3	84.6	84.9	84.9	84.9	85.1	85.3	85.4
1800	4.0	65.3	71.9	79.7	82.9	83.2	84.6	85.9	85.9	86.3	86.6	86.6	86.6	86.8	86.9	87.1
1600	4.0	65.5	72.0	79.9	83.1	83.4	84.8	86.1	86.1	86.4	86.6	86.6	86.6	86.8	86.9	87.1
1400	4.0	67.2	73.7	81.7	85.1	85.4	86.8	88.1	88.1	88.4	88.6	88.6	88.6	88.8	88.9	89.1
1200	4.0	68.3	75.2	83.1	86.8	87.1	88.6	89.9	89.9	90.3	90.6	90.6	90.6	90.8	91.0	91.1
1000	4.0	68.3	75.2	83.2	86.9	87.3	88.8	90.1	90.1	90.5	90.9	91.2	91.2	91.5	91.7	91.8
800	4.0	69.0	76.0	84.3	88.6	88.9	90.5	91.8	91.8	92.1	92.5	92.5	92.5	92.6	92.8	93.0
600	4.0	69.3	76.4	84.8	89.3	89.6	91.3	92.6	92.6	93.0	93.3	93.3	93.3	93.5	93.6	93.8
400	4.0	69.3	76.4	84.8	89.3	89.6	91.3	92.6	92.6	93.0	93.3	93.3	93.3	93.5	93.6	93.8
200	4.0	69.5	76.7	85.1	89.6	89.9	91.6	93.0	93.0	93.3	93.6	93.6	93.6	93.8	94.0	94.1
100	4.0	70.0	77.6	86.1	90.6	91.0	92.6	94.0	94.0	94.3	94.6	94.6	94.6	94.8	95.0	95.1
50	4.0	70.4	78.2	86.9	91.6	92.0	93.6	95.0	95.0	95.3	95.6	95.6	95.6	95.8	96.0	96.1
25	4.0	70.9	78.7	87.4	92.3	92.6	94.3	95.6	95.6	96.0	96.3	96.3	96.3	96.5	96.6	96.8
10	4.0	71.0	78.9	87.8	93.1	93.5	95.1	96.5	96.5	96.8	97.2	97.2	97.2	97.3	97.5	97.7
5	4.0	71.0	78.9	87.8	93.1	93.5	95.1	96.5	96.5	96.8	97.2	97.2	97.2	97.3	97.5	97.7
2.5	4.0	71.0	78.9	88.1	93.5	94.1	96.0	97.3	97.3	97.7	98.0	98.0	98.0	98.2	98.3	98.5
1.5	4.0	71.0	78.9	88.1	93.5	94.1	96.0	97.3	97.3	97.7	98.0	98.0	98.0	98.2	98.3	98.5
1.0	4.0	71.0	78.9	88.1	93.5	94.1	96.0	97.3	97.3	97.7	98.0	98.0	98.0	98.2	98.3	98.5
0.75	4.0	71.0	78.9	88.6	94.3	95.0	97.0	98.5	98.5	98.8	99.2	99.2	99.2	99.3	99.5	99.7
0.5	4.0	71.0	78.9	88.6	94.3	95.0	97.0	98.5	98.5	98.8	99.2	99.2	99.2	99.3	99.5	99.7
0.25	4.0	71.0	78.9	88.6	94.3	95.0	97.0	98.5	98.5	98.8	99.2	99.2	99.2	99.3	99.5	99.7
0.1	4.0	71.0	78.9	88.6	94.3	95.0	97.0	98.5	98.5	98.8	99.2	99.2	99.2	99.3	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 204240 FT KNOX/SCOTT AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01-01-7500

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
20000	2.2	42.6	49.8	54.2	58.6	58.2	60.1	61.8	61.9	62.1	62.7	62.7	62.8	63.3	63.4	64.3
18000	2.4	45.5	52.6	58.1	61.0	62.7	64.7	66.5	66.7	67.0	67.6	67.6	67.9	68.3	68.4	69.3
16000	2.4	45.5	52.6	58.1	61.0	62.7	64.7	66.5	66.7	67.0	67.6	67.6	67.9	68.3	68.4	69.3
14000	2.4	45.6	52.7	58.2	61.2	62.8	64.9	66.7	66.8	67.1	67.7	67.7	68.0	68.4	68.6	69.5
12000	2.4	45.5	53.0	58.7	61.8	63.4	65.6	67.4	67.6	67.9	68.4	68.4	68.7	69.2	69.3	70.2
10000	2.4	50.5	57.8	63.9	67.3	68.9	71.4	73.2	73.5	73.8	74.4	74.4	74.7	75.1	75.3	76.1
8000	2.4	50.7	57.9	64.1	67.4	69.1	71.6	73.3	73.6	73.9	74.5	74.5	74.8	75.3	75.4	76.3
6000	2.4	52.4	60.6	67.3	71.0	72.7	75.4	77.2	77.5	77.8	78.4	78.4	78.7	79.1	79.4	80.3
4000	2.4	52.8	60.9	67.6	71.3	73.0	75.7	77.5	77.8	78.1	78.7	78.7	79.0	79.4	79.7	80.6
2000	2.4	53.0	61.6	68.3	72.0	73.6	76.4	78.2	78.5	78.8	79.4	79.4	79.7	80.1	80.4	81.3
1000	2.4	54.7	63.0	69.8	73.5	75.3	78.2	80.0	80.3	80.6	81.2	81.2	81.5	81.9	82.2	83.1
500	2.4	55.3	64.0	70.8	74.5	76.3	79.3	81.0	81.3	81.6	82.2	82.2	82.5	83.0	83.3	84.1
200	2.4	57.5	66.8	73.8	77.8	79.6	82.5	84.3	84.6	84.9	85.5	85.5	85.8	86.2	86.5	87.4
100	2.4	58.1	67.9	74.8	79.0	80.9	83.9	85.6	85.9	86.2	86.8	86.8	87.1	87.6	87.9	88.7
50	2.4	58.4	68.3	75.6	80.0	82.1	85.0	87.0	87.3	87.6	88.1	88.1	88.4	88.9	89.2	90.1
20	2.4	58.7	68.6	75.9	80.3	82.4	85.3	87.3	87.6	87.9	88.4	88.4	88.7	89.2	89.5	90.4
10	2.4	58.8	68.7	76.1	80.4	82.5	85.6	87.6	87.9	88.1	88.7	88.7	89.0	89.5	89.8	90.7
5	2.4	59.0	68.9	76.3	80.7	82.8	85.9	87.9	88.1	88.4	88.9	88.9	89.2	89.8	90.1	91.0
2	2.4	59.4	69.3	76.7	81.3	83.4	86.7	88.6	88.9	89.2	89.8	89.8	90.1	90.6	91.0	91.7
1	2.4	60.1	70.1	77.8	82.4	84.4	87.7	89.6	89.9	90.2	90.8	90.8	91.1	91.6	91.9	92.7
0	2.4	60.6	70.5	78.2	83.1	85.2	88.4	90.4	90.7	91.0	91.6	91.6	91.9	92.3	92.6	93.5
2000	2.4	60.8	70.7	78.4	83.3	85.3	88.6	90.5	90.8	91.1	91.7	91.7	92.0	92.4	92.7	93.6
1800	2.4	60.7	71.1	79.0	83.9	85.9	89.2	91.1	91.4	91.7	92.3	92.3	92.6	93.0	93.3	94.2
1600	2.4	60.7	71.1	79.0	83.9	85.9	89.2	91.1	91.4	91.7	92.3	92.3	92.6	93.0	93.3	94.2
1400	2.4	61.2	71.7	79.7	84.6	86.7	90.1	92.3	92.7	93.0	93.6	93.6	93.9	94.4	94.7	95.6
1200	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
1000	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
800	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
600	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
400	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
200	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
100	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
50	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
20	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
10	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
5	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
2	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
1	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3
0	2.4	61.3	71.9	80.0	85.0	87.1	90.5	92.9	93.3	93.6	94.2	94.2	94.7	95.1	95.4	96.3

TOTAL NUMBER OF OBSERVATIONS 675

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

134247 FT McNAB/COMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
≥10000	5.5	31.3	36.2	40.6	46.7	48.0	51.3	52.4	53.1	54.5	55.5	55.3	54.3	56.5	56.7	57.0
≥8000	5.5	33.5	38.5	43.5	49.8	52.2	54.9	55.9	56.6	58.1	59.1	59.4	60.4	60.6	61.0	61.5
≥6000	5.7	33.6	38.6	43.6	49.9	52.3	55.0	56.0	56.7	58.3	59.2	59.6	60.5	60.7	61.1	62.0
≥4000	5.9	33.5	38.6	43.6	49.9	52.3	55.0	56.0	56.7	58.3	59.2	59.6	60.5	60.7	61.1	62.0
≥3000	5.9	33.6	38.9	44.0	50.3	52.6	55.3	56.4	57.1	58.6	59.6	59.9	60.8	61.1	61.4	62.4
≥2000	6.1	34.3	39.5	44.7	51.0	53.3	56.0	57.1	57.8	59.3	60.7	60.6	61.5	61.8	62.1	63.1
≥1800	6.3	35.9	41.6	47.1	53.8	56.3	59.1	60.4	61.1	62.7	63.5	64.1	65.1	65.3	65.7	66.6
≥1600	6.3	36.9	42.6	48.1	54.7	57.2	60.0	61.3	62.0	63.7	64.7	65.1	66.0	66.2	66.6	67.5
≥1400	6.4	37.6	46.2	52.4	59.8	62.5	65.2	66.5	67.2	68.8	69.5	70.2	71.2	71.4	71.7	72.7
≥1200	6.7	40.4	47.4	53.8	61.3	63.8	66.7	68.0	68.7	70.5	71.5	71.9	72.8	73.0	73.4	74.3
≥1000	6.7	40.9	48.1	54.5	62.1	64.6	67.6	68.9	69.6	71.4	72.5	72.8	73.7	74.0	74.3	75.3
≥900	6.7	41.7	48.9	55.5	63.2	65.7	68.7	70.0	70.7	72.5	73.5	73.9	74.8	75.0	75.4	76.4
≥800	6.7	42.7	49.8	56.5	64.4	66.9	69.9	71.2	71.9	73.6	74.7	75.0	76.0	76.2	76.6	77.5
≥700	6.7	44.0	51.7	58.7	66.6	69.3	72.3	73.7	74.4	76.4	77.6	78.0	78.9	79.2	79.6	80.5
≥600	6.7	44.3	52.5	59.6	67.4	70.1	73.3	74.7	75.4	77.4	78.5	78.9	79.8	80.2	80.5	81.5
≥500	7.0	46.1	55.0	62.3	70.7	73.5	76.9	78.3	79.0	81.1	82.3	82.6	83.6	83.9	84.3	85.2
≥450	7.0	46.4	55.3	62.8	71.5	74.5	78.1	79.7	80.4	82.5	83.7	84.1	85.0	85.3	85.7	86.6
≥400	7.0	46.7	55.7	63.3	72.2	75.4	79.1	80.8	81.5	83.6	84.8	85.1	86.0	86.4	86.8	87.7
≥350	7.0	47.0	56.2	63.8	72.8	76.1	79.8	81.5	82.2	84.3	85.5	85.8	86.8	87.1	87.5	88.4
≥300	7.2	47.6	56.7	64.6	73.6	77.0	80.8	82.4	83.2	85.3	86.5	86.9	87.8	88.2	88.5	89.4
≥250	7.2	47.7	56.9	64.8	74.2	77.7	81.5	83.1	83.9	86.0	87.2	87.6	88.5	88.9	89.2	90.2
≥200	7.2	47.8	57.2	65.4	75.1	78.7	82.6	84.3	85.1	87.2	88.4	88.7	89.7	90.0	90.4	91.3
≥180	7.2	47.9	57.4	65.8	75.6	79.1	83.1	84.8	85.6	87.7	88.9	89.2	90.2	90.5	90.9	91.8
≥160	7.2	48.1	57.8	66.1	76.0	79.5	83.7	85.3	86.2	88.3	89.4	89.8	90.7	91.1	91.4	92.4
≥140	7.2	48.3	58.0	66.5	76.7	80.2	84.5	86.2	87.0	89.1	90.3	90.6	91.6	91.9	92.3	93.2
≥120	7.2	48.7	58.4	66.9	77.1	80.7	85.1	86.8	87.8	89.9	91.3	91.7	92.6	93.0	93.6	94.5
≥100	7.2	48.8	58.7	67.3	77.5	81.0	85.7	87.5	88.5	90.7	92.1	92.5	93.7	94.0	94.4	95.3
≥90	7.2	48.8	58.7	67.4	77.7	81.4	86.3	88.2	89.4	92.1	93.6	93.9	95.1	95.4	95.8	96.7
≥80	7.2	48.8	58.7	67.4	77.7	81.4	86.3	88.3	89.8	92.6	94.1	94.5	95.7	96.0	96.4	97.3
≥70	7.2	48.9	58.7	67.4	77.7	81.4	86.3	88.6	90.4	93.2	94.8	95.4	97.2	97.5	97.9	98.8
≥60	7.2	48.6	58.7	67.4	77.7	81.4	86.3	88.6	90.4	93.2	94.8	95.4	97.2	97.5	97.9	98.8
≥50	7.2	48.6	58.7	67.4	77.7	81.4	86.3	88.6	90.4	93.2	94.8	95.4	97.2	97.5	97.9	98.8

TOTAL NUMBER OF OBSERVATIONS 553

CLIMATE CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-24-72 FT KNOX/COMBAT AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM 1-11-70

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
8000	18.9	40.0	57.4	56.9	55.9	54.5	52.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
7000	20.1	51.3	56.2	60.0	62.3	63.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
6000	20.2	51.4	56.3	60.2	62.4	63.5	63.6	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0
5000	20.2	51.4	56.3	60.2	62.4	63.5	63.6	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0
4000	20.2	51.4	56.3	60.2	62.4	63.5	63.6	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
3000	20.5	51.3	56.2	60.7	63.2	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
2000	20.7	53.9	59.7	63.1	65.5	66.8	66.9	67.2	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7
1800	20.8	54.5	59.7	63.7	66.2	67.5	67.5	67.9	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4
1600	21.4	57.7	63.6	66.6	71.5	72.7	72.8	73.2	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6
1400	21.5	58.7	64.4	69.5	72.7	74.0	74.1	74.4	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9
1200	21.5	58.9	64.6	69.7	73.0	74.3	74.4	74.7	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2
1000	22.0	58.4	65.5	71.7	74.1	75.4	75.5	75.9	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3
900	22.1	59.9	66.1	71.6	75.0	76.3	76.4	76.8	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
800	22.2	61.3	67.2	73.6	77.7	79.1	79.5	79.8	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2
700	22.6	62.5	69.4	75.1	79.3	80.8	81.3	81.6	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0
600	23.2	64.6	71.9	78.1	82.6	84.1	84.7	85.6	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
500	23.5	65.5	72.8	79.0	83.5	85.1	86.0	86.9	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4
400	23.7	66.8	74.1	80.5	85.3	87.1	87.9	88.8	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3
300	23.7	67.0	74.3	80.7	85.5	87.2	88.2	89.1	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
200	23.7	68.1	75.5	82.8	87.2	89.0	90.0	90.9	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5
100	23.7	68.6	76.4	83.1	88.1	89.9	90.9	91.8	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
0	23.7	69.1	77.2	83.8	89.3	91.2	92.6	93.5	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1
	23.7	69.4	77.4	84.1	89.6	91.6	92.9	93.8	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
	23.7	69.8	78.0	84.6	90.1	92.1	93.5	94.4	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
	23.7	69.9	78.2	84.8	90.9	93.3	94.6	95.5	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1
	23.7	69.9	78.2	85.0	91.2	93.6	94.9	95.8	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5
	23.7	70.1	78.6	85.4	92.1	94.5	96.3	97.4	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
	22.7	70.3	73.7	85.5	92.4	95.1	96.5	97.9	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
	23.7	70.3	70.7	85.5	92.4	95.2	97.0	98.2	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4
	23.7	70.3	70.7	85.5	92.4	95.2	97.0	98.2	98.8	99.3	99.4	99.4	99.6	99.6	99.6	99.6
	23.7	70.3	70.7	85.5	92.4	95.2	97.0	98.2	98.8	99.3	99.4	99.4	99.6	99.6	99.6	99.6
	23.7	70.3	70.7	85.5	92.4	95.2	97.0	98.2	98.8	99.3	99.4	99.4	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 877

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

724260 FT WALKER/JOHNSON AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1112-140

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
20000	22.3	51.4	54.1	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
18000	24.9	50.4	61.2	62.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
16000	24.9	50.5	61.3	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
14000	24.9	50.5	61.3	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
12000	25.4	59.0	61.8	63.5	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
10000	25.5	59.3	62.2	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
8000	26.0	61.6	64.5	66.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
6000	26.0	61.6	64.9	66.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
4000	26.2	65.1	68.4	70.8	71.3	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
2000	26.9	65.5	68.8	71.5	72.5	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
1000	26.9	66.4	69.9	73.0	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
500	27.2	66.8	70.3	73.5	75.1	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
200	27.7	68.2	72.1	75.4	77.0	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
100	28.2	70.8	74.9	78.6	80.2	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
50	30.3	75.6	80.2	84.2	86.3	86.5	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
20	31.1	77.8	82.4	86.3	88.6	88.8	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
10	31.2	79.1	83.7	88.0	90.6	90.8	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
5	31.2	79.6	84.2	88.7	91.2	91.5	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2	31.4	80.7	85.3	89.8	92.4	92.6	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1	31.4	81.4	86.1	90.7	93.4	93.6	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0.5	31.4	81.6	86.5	91.4	94.3	94.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0.2	31.4	81.6	86.6	91.7	94.8	95.2	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0.1	31.5	81.8	87.0	92.0	95.4	96.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
0.05	31.6	82.2	87.3	92.5	96.0	96.6	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
0.02	31.6	82.2	87.3	92.6	96.1	96.7	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.01	31.6	82.2	87.3	92.7	96.2	97.1	98.5	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0.005	31.6	82.2	87.3	92.7	96.2	97.2	98.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.002	31.6	82.2	87.3	92.7	96.2	97.2	98.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.001	31.6	82.2	87.3	92.7	96.2	97.2	98.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 891

LOCAL CLIMATOLOGY BRANCH
STATION
WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

STATION NAME FT KNOX/DUMAS AAF KY

75-64

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	20	24	24	24	24	24	24	24	24	24	24	24	24	24
20	47.7	51.5	53.6	53.7	53.5	54.3	54.3	54.3	54.7	54.7	54.3	54.3	54.3	54.3	54.3	54.3
25	57.3	51.3	53.5	53.6	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
30	57.4	51.4	53.6	53.7	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
35	57.5	51.5	53.7	53.8	53.5	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
40	58.0	51.7	54.1	54.3	54.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
45	59.5	53.5	55.8	55.9	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
50	62.5	56.7	59.2	59.5	59.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
55	62.8	56.9	59.4	59.8	59.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
60	66.5	57.9	64.8	65.1	65.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
65	67.5	58.3	66.3	66.6	66.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
70	68.3	58.7	66.6	67.0	67.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
75	69.4	59.4	66.9	67.4	67.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
80	70.6	59.9	67.9	68.4	68.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
85	72.5	61.0	68.1	68.6	68.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
90	75.8	61.9	65.3	66.1	66.4	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
95	76.6	64.2	68.4	69.2	69.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
100	79.8	66.3	69.8	70.7	71.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
105	80.2	67.4	71.2	72.2	72.0	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
110	81.1	67.6	71.4	72.4	73.0	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
115	81.5	68.4	72.2	73.2	73.3	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
120	81.9	68.9	72.7	73.7	74.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
125	82.4	69.3	73.4	74.4	75.0	96.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
130	82.3	69.3	73.4	74.4	75.0	96.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
135	82.4	69.7	73.9	75.4	76.1	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
140	82.4	69.7	74.0	75.6	76.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
145	82.5	69.7	74.3	76.1	76.7	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
150	82.5	69.9	74.3	76.1	76.9	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
155	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
160	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
165	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
170	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
175	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
180	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
185	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
190	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
195	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
200	82.5	69.9	74.3	76.2	77.0	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

STATION NAME
ST. KYND/HOLMAN AAF KY

75-54

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-2-1-1-1

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
100	20.0	50.9	55.2	60.2	61.9	62.4	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
110	21.7	57.2	62.4	67.9	69.4	70.0	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
120	41.3	57.3	62.5	68.0	69.5	70.1	70.5	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
130	41.9	57.5	62.6	68.2	69.6	70.4	70.7	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
140	41.2	58.5	63.2	69.5	71.1	71.7	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
150	42.9	62.1	68.7	73.8	75.5	76.1	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
160	22.4	53.3	62.2	75.0	75.8	77.4	77.9	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
170	20.3	55.6	70.3	78.1	79.0	80.5	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
180	27.1	57.5	72.5	79.7	81.7	82.3	82.9	83.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
190	24.7	56.5	74.7	81.1	83.3	83.9	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
200	24.1	54.9	75.6	82.1	84.2	84.8	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
210	24.6	70.3	77.1	83.6	85.9	86.7	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
220	24.1	71.7	77.5	85.1	87.5	88.2	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
230	25.2	72.6	80.2	87.0	89.5	90.3	90.8	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
240	25.7	74.2	81.6	88.3	91.8	92.7	92.2	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
250	26.2	75.1	82.9	89.7	92.7	93.7	94.1	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
260	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
270	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
280	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
290	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
300	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
310	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
320	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
330	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
340	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
350	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
360	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
370	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
380	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
390	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
400	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
410	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
420	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
430	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
440	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
450	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
460	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
470	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
480	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
490	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
500	26.2	75.6	83.5	90.4	92.7	94.6	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS 637

CEILING VERSUS VISIBILITY

75-64

TOTAL NUMBER OF OBSERVATIONS _____ 14

CEILING VERSUS VISIBILITY

75-76,24-244

—

TOTAL NUMBER OF OBSERVATIONS 61

✓
FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

224242 FT KNOX/GOLDMAN AAF KY

75-79, FD, 82-84

NO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22-2201
NO. 1

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
≥20000	10.0	50.0	51.1	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥18000	10.0	52.4	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥16000	10.0	52.4	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥14000	10.0	52.4	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥12000	10.0	53.2	53.7	53.9	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥10000	10.1	55.8	56.3	56.4	56.4	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥8000	10.1	55.2	56.4	56.6	56.6	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥6000	10.1	50.0	60.5	60.6	60.6	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥4000	10.5	61.6	62.1	62.2	62.2	62.9	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥2000	10.5	62.2	62.7	62.9	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥1000	10.5	63.8	65.7	65.1	65.1	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥500	10.5	66.1	67.5	67.7	68.0	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥250	10.5	71.4	73.0	73.3	73.6	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥100	10.5	72.8	74.4	74.8	75.1	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥50	11.3	75.1	76.8	77.2	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥25	11.3	77.8	79.7	80.1	80.4	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥10	11.3	79.9	82.0	82.5	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥5	11.4	80.4	82.5	83.1	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥2	11.4	82.0	84.4	85.2	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥1	11.4	83.9	86.8	87.9	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥0.5	11.6	84.1	87.0	88.1	89.7	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥0.25	11.6	84.4	87.3	88.6	90.4	90.7	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥0.1	11.6	84.4	87.5	89.4	92.0	92.3	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥0.05	11.6	84.4	87.5	89.7	92.3	93.1	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥0.025	11.6	84.4	87.6	90.2	93.7	94.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥0.01	11.6	84.4	87.6	90.4	94.1	95.0	96.1	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥0	11.6	84.4	87.5	90.4	94.1	95.0	96.1	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥0.001	11.6	84.4	87.6	90.4	94.1	95.0	96.1	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥0.0001	11.6	84.4	87.6	90.4	94.1	95.0	96.1	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH
WAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FT KNOX/LOWMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	12.6	52.0	53.5	54.8	55.6	55.8	56.2	56.3	56.3	56.4	56.5	56.5	56.6	56.6	56.6	56.7
18000	21.4	57.2	58.5	59.3	61.1	61.4	61.3	61.9	61.9	62.0	62.1	62.1	62.2	62.2	62.3	62.3
16000	21.5	57.4	59.1	60.5	61.3	61.6	62.0	62.1	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.5
14000	21.7	57.7	59.4	60.9	61.7	62.0	62.4	62.5	62.5	62.6	62.7	62.7	62.9	62.9	62.9	62.9
12000	22.2	58.5	60.6	62.2	63.2	63.4	63.7	63.9	63.9	64.0	64.0	64.1	64.2	64.2	64.2	64.3
10000	22.9	61.2	63.2	65.1	66.0	66.4	66.8	67.0	67.0	67.1	67.1	67.2	67.3	67.3	67.3	67.4
8000	23.2	61.7	63.5	65.5	66.5	66.7	67.4	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.9	68.0
6000	23.9	64.0	64.3	66.4	66.5	69.9	70.5	70.5	70.5	70.7	70.9	70.8	70.9	70.9	71.0	71.1
4000	24.2	65.2	67.5	69.8	70.9	71.3	71.3	72.0	72.0	72.1	72.2	72.2	72.3	72.3	72.4	72.4
2000	24.5	66.5	68.9	71.2	72.4	72.5	73.5	73.6	73.6	73.7	73.8	73.9	73.9	74.0	74.0	74.1
1000	24.9	67.5	70.4	72.8	74.0	74.5	75.1	75.3	75.3	75.4	75.5	75.5	75.6	75.6	75.7	75.8
500	25.1	68.7	71.3	73.8	75.1	75.6	76.1	76.3	76.3	76.4	76.5	76.5	76.6	76.7	76.7	76.8
250	25.5	71.1	73.8	76.4	77.8	78.4	79.0	79.2	79.3	79.4	79.5	79.5	79.6	79.7	79.7	79.8
100	25.9	72.1	75.0	77.6	79.1	79.7	80.3	80.5	80.6	80.7	80.8	80.8	80.9	81.0	81.0	81.1
50	26.5	74.1	77.2	79.9	81.5	82.1	82.9	83.1	83.2	83.3	83.4	83.4	83.6	83.6	83.6	83.7
25	26.9	75.5	78.6	81.4	83.0	83.6	84.4	84.7	84.7	84.8	84.9	85.0	85.1	85.2	85.2	85.3
10	27.2	76.9	79.7	82.7	84.3	85.0	85.9	86.2	86.2	86.4	86.5	86.5	86.6	86.7	86.7	86.8
5	27.2	76.9	80.7	83.2	84.9	85.5	86.4	86.7	86.8	86.9	87.0	87.0	87.2	87.2	87.2	87.3
2	27.2	77.6	81.2	84.1	85.9	86.6	87.6	87.9	88.0	88.1	88.3	88.3	88.4	88.4	88.5	88.6
1	27.3	78.4	81.9	85.2	87.1	87.9	89.1	89.4	89.5	89.7	89.8	89.8	89.9	90.0	90.0	90.1
0.5	27.4	78.9	82.7	86.1	88.3	89.3	90.7	91.1	91.2	91.3	91.4	91.5	91.6	91.6	91.7	91.8
0.25	27.4	79.2	83.1	86.6	89.0	90.0	91.4	91.9	91.9	92.1	92.2	92.2	92.4	92.4	92.5	92.5
0.1	27.4	79.4	83.5	87.2	89.7	90.0	92.4	92.6	92.9	93.0	93.2	93.2	93.4	93.4	93.5	93.5
0.05	27.4	79.6	83.9	87.9	90.7	91.9	93.7	94.2	94.4	94.5	94.7	94.7	94.9	94.9	95.0	95.0
0.025	27.4	79.7	84.1	88.3	91.3	92.5	94.4	95.0	95.2	95.4	95.6	95.6	95.8	95.8	95.9	96.0
0.01	27.4	79.9	84.4	88.6	91.6	93.1	95.5	96.3	96.6	96.8	97.0	97.0	97.2	97.2	97.3	97.4
0.005	27.4	79.9	84.5	88.8	92.3	93.0	96.1	97.2	97.5	97.9	98.1	98.2	98.4	98.4	98.5	98.5
0.0025	27.4	80.0	84.5	88.9	92.5	93.0	96.5	97.7	98.1	98.6	98.9	99.0	99.2	99.2	99.3	99.4
0.001	27.4	80.0	84.5	88.9	92.5	93.0	96.5	97.7	98.1	98.6	99.0	99.1	99.4	99.4	99.5	99.6
0.0005	27.4	80.0	84.5	88.9	92.5	93.0	96.5	97.7	98.1	98.6	99.0	99.1	99.4	99.4	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 6631

CEILING VERSUS VISIBILITY

75-24

100-2125

VISIBILITY: STATUTE MILES

[illegible]TOTAL NUMBER OF OBSERVATIONS 15

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124247 FT KNOX/220MAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

124247

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
20000	25.5	56.4	57.7	58.7	59.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
18000	27.8	62.4	63.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
16000	27.0	62.6	63.9	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
14000	26.1	62.9	64.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
12000	25.2	64.3	65.7	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
10000	24.8	66.8	68.2	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
8000	23.8	66.8	68.2	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
6000	30.1	69.8	71.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
4500	30.7	71.4	73.3	74.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
3000	31.5	73.2	75.1	76.9	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
1500	31.5	74.1	76.4	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
1000	31.5	74.9	77.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
800	32.6	78.6	81.4	83.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
600	32.6	79.2	82.2	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
400	33.1	81.6	83.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
200	33.3	82.6	85.9	88.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
100	33.3	83.1	86.5	88.7	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
50	33.4	83.9	87.6	89.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
20	33.4	84.6	88.4	90.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
10	33.4	84.9	88.8	91.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
5	33.4	85.3	89.3	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2	33.4	85.5	89.1	92.6	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
1	33.4	85.7	89.0	93.3	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0.5	33.4	85.7	89.0	93.3	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0.2	33.4	86.1	91.2	93.8	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0.1	33.4	86.1	91.2	93.8	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0.05	33.4	86.1	91.2	93.8	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0.02	33.4	86.1	91.2	93.8	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0.01	33.4	86.1	91.2	93.8	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 77

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

174240 FT KNOX/302MAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1966-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ 0
20000	37.9	31.2	51.8	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
18000	37.7	57.5	58.1	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
16000	39.6	58.3	59.0	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
14000	39.6	58.3	59.0	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
12000	39.8	58.9	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
10000	39.8	60.6	61.8	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
8000	41.3	64.5	65.7	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
6000	41.3	64.7	65.9	66.4	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
4000	41.3	66.4	68.1	68.8	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2000	42.1	67.8	69.4	70.1	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
1000	42.4	68.4	70.2	70.9	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
800	43.3	70.3	72.0	72.8	73.2	73.2	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6
600	43.5	71.4	73.1	74.0	74.5	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8
400	44.3	73.9	75.9	76.8	77.5	77.5	77.7	77.7	78.0	78.1	78.2	78.2	78.2	78.2	78.2
200	45.5	75.9	77.9	78.8	79.6	79.6	79.8	79.3	80.0	80.2	80.3	80.3	80.3	80.3	80.3
100	47.3	79.5	81.5	82.5	83.2	83.2	83.4	83.6	83.8	83.9	84.0	84.0	84.0	84.0	84.0
50	47.9	81.6	83.7	84.8	85.5	85.5	85.7	85.9	86.1	86.2	86.3	86.3	86.3	86.3	86.3
25	48.7	83.9	86.2	87.4	88.2	88.2	88.5	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1
10	49.8	84.5	86.8	88.0	88.9	88.9	89.3	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9
5	49.9	85.1	87.5	88.9	90.0	90.0	90.8	91.0	91.2	91.3	91.4	91.4	91.4	91.4	91.4
2	49.9	85.9	88.5	89.9	91.2	91.4	92.1	92.3	92.5	92.7	92.8	92.8	92.8	92.8	92.8
1	49.0	86.3	89.0	90.5	92.0	92.2	93.0	93.2	93.4	93.5	93.6	93.6	93.6	93.6	93.6
.5	49.0	86.7	89.7	91.3	93.1	93.3	94.1	94.3	94.5	94.6	94.7	94.7	94.7	94.7	94.7
.2	49.0	87.1	90.0	91.8	93.6	93.9	94.6	94.8	95.1	95.2	95.3	95.3	95.3	95.3	95.3
.1	49.0	87.3	90.6	92.5	94.5	94.7	95.9	96.2	96.4	96.6	96.7	96.8	96.8	96.8	96.8
.05	49.0	87.3	90.6	92.5	94.7	95.0	96.2	96.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8
.01	49.0	87.3	90.8	93.0	95.9	96.3	97.9	98.1	98.7	98.8	98.9	98.9	98.9	98.9	98.9
.005	49.0	87.3	90.8	93.0	96.1	96.4	98.0	98.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2
.001	49.0	87.4	91.0	93.2	96.3	96.6	98.2	98.9	99.5	99.7	100.0	100.0	100.0	100.0	100.0
.0005	49.0	87.4	91.0	93.2	96.3	96.6	98.2	98.9	99.5	99.7	100.0	100.0	100.0	100.0	100.0
.0001	49.0	87.4	91.0	93.2	96.3	96.6	98.2	98.9	99.5	99.7	100.0	100.0	100.0	100.0	100.0
.00005	49.0	87.4	91.0	93.2	96.3	96.6	98.2	98.9	99.5	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 21

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

200207 FT KNOX/20 MAY AAF KY

75-34

207

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-10-100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
18000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
16000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
14000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
12000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
10000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
8000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
6000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
4000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
1000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
500	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
200	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
100	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
50	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
25	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
10	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
5	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2

TOTAL NUMBER OF OBSERVATIONS 924

LIBERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

10-740 STATION FT. MONROE/GOODMAN AAF, KY

75-84

YEAR

MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM 1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
≥1000	24.1	48.2	48.9	50.4	51.0	51.4	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1
≥800	26.6	54.1	55.1	56.9	57.6	58.4	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1
≥600	24.6	54.1	55.2	57.0	57.7	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1
≥400	24.6	54.1	55.2	57.0	57.7	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1
≥200	26.9	54.3	55.9	57.8	58.5	59.2	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
≥100	27.3	56.1	57.2	59.1	59.8	60.5	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3
≥50	27.4	56.5	59.7	62.3	63.3	64.2	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0
≥25	29.6	59.0	60.2	62.9	64.0	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6
≥15	37.7	61.4	63.0	65.8	67.0	67.9	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8
≥10	37.7	62.9	64.5	67.4	68.5	69.4	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4
≥5	31.5	64.6	66.3	69.1	70.5	71.4	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3
≥2	31.5	66.3	67.7	70.7	72.3	73.3	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4
≥1	32.2	67.7	69.3	72.1	73.8	74.7	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8
≥0.5	32.5	69.9	70.7	73.5	75.5	76.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78.1
≥0.25	32.9	69.4	71.3	74.3	76.2	77.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.9	78.9
≥0.1	33.3	70.7	72.8	75.3	77.8	79.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.9	80.9
≥0.05	33.6	71.6	73.5	76.6	78.6	80.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9	81.9
≥0.025	33.7	72.7	74.6	77.9	79.9	81.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2
≥0.01	34.1	73.0	75.1	78.3	80.5	82.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.7	83.7
≥0	34.3	74.5	76.5	79.8	82.3	83.9	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.8	85.8
≥0.005	34.4	75.5	77.9	81.5	84.3	86.0	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1	88.1
≥0.0025	34.4	76.2	78.6	82.6	85.9	88.1	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.3	90.3
≥0.001	34.4	76.7	79.2	83.5	86.8	88.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.3	91.3
≥0.0005	34.4	76.8	79.5	83.9	87.3	89.4	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9	91.9
≥0.00025	34.4	76.9	79.7	84.4	88.3	90.3	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.7	93.7
≥0.0001	34.4	77.0	79.8	84.9	89.2	91.2	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.2	95.2
≥0.00005	34.4	77.0	79.9	85.1	89.6	91.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	96.3	96.3
≥0.000025	34.4	77.0	80.0	85.2	90.1	92.3	95.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.6	98.6
≥0.00001	34.4	77.0	80.0	85.2	90.2	92.4	96.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	99.7	99.7
≥0.000005	34.4	77.0	80.0	85.2	90.2	92.4	96.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	99.8	99.8
≥0.0000025	34.4	77.0	80.0	85.2	90.2	92.4	96.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	99.8	99.8
≥0.000001	34.4	77.0	80.0	85.2	90.2	92.4	96.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 922

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

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 15240 STATION NAME FT KNOX/RODMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥20000	0.7	43.1	45.7	48.8	50.6	51.7	52.3	52.6	52.6	53.1	53.3	53.5	54.0	54.0	54.2	54.2
≥18000 20000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥16000 18000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥14000 16000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥12000 14000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥10000 12000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥8000 10000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥6000 8000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥4000 6000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥2000 4000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥1000 2000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥500 1000	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥200 500	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥100 200	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥50 100	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥20 50	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥10 20	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥5 10	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥2 5	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7
≥1 2	10.0	47.6	50.4	54.0	56.0	57.2	57.8	58.1	58.1	58.6	58.8	59.0	59.5	59.5	59.7	59.7

TOTAL NUMBER OF OBSERVATIONS 65

LORAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

724042 FT KNOX/GOODMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	3.3	51.6	55.1	56.4	57.6	58.2	59.6	59.7	59.7	60.0	60.2	60.2	60.5	60.5	60.5	60.
20000	3.3	55.0	58.3	59.6	60.8	61.4	62.7	62.9	62.9	63.2	63.4	63.4	63.7	63.7	63.7	64.
18000	3.3	55.0	58.3	59.6	60.8	61.4	62.7	62.9	62.9	63.2	63.4	63.4	63.7	63.7	63.7	64.
16000	3.3	55.0	58.3	59.6	60.8	61.4	62.7	62.9	62.9	63.2	63.4	63.4	63.7	63.7	63.7	64.
14000	3.3	55.0	58.3	59.6	60.8	61.4	62.7	62.9	62.9	63.2	63.4	63.4	63.7	63.7	63.7	64.
12000	3.7	55.7	59.1	60.2	61.5	62.0	63.4	63.6	63.6	63.9	64.1	64.1	64.4	64.4	64.4	64.
10000	4.2	57.6	60.9	62.6	63.9	64.4	65.9	66.5	66.5	66.8	67.0	67.0	67.3	67.3	67.3	67.
8000	4.2	58.4	61.9	63.9	65.2	65.8	67.3	67.7	67.9	68.1	68.4	68.4	68.7	68.7	68.7	69.
6000	4.4	60.7	64.3	66.9	68.3	68.8	70.4	70.9	70.9	71.2	71.5	71.5	71.7	71.7	71.7	72.
4000	4.2	57.0	65.5	68.6	69.9	70.5	72.0	72.6	72.6	72.9	73.1	73.1	73.4	73.4	73.4	73.
2000	4.2	62.9	67.7	69.9	71.3	72.0	73.5	74.1	74.1	74.4	74.7	74.7	74.9	74.9	74.9	75.
1000	5.0	63.7	68.1	71.2	72.7	73.4	74.9	75.6	75.6	75.9	76.2	76.2	76.5	76.5	76.5	76.
500	5.0	64.1	68.7	71.7	73.4	74.1	75.6	76.3	76.3	76.6	76.9	76.9	77.1	77.1	77.1	77.
200	5.0	65.7	70.8	74.0	75.6	76.3	77.8	78.5	78.7	78.9	79.2	79.2	79.5	79.5	79.5	79.
100	5.1	65.9	71.1	74.2	75.9	76.6	78.1	78.8	78.9	79.2	79.5	79.5	79.8	79.8	79.8	80.
50	5.1	67.5	72.5	76.0	77.7	78.4	80.1	80.7	80.9	81.2	81.4	81.4	81.7	81.7	81.7	82.
20	5.1	67.9	73.0	76.5	78.1	78.9	80.7	81.4	81.6	81.9	82.1	82.1	82.4	82.4	82.4	82.
10	5.1	68.6	73.8	77.7	79.5	80.3	82.5	83.2	83.5	83.8	84.1	84.1	84.3	84.3	84.3	84.
5	5.1	69.0	74.4	78.3	80.1	81.0	83.7	83.9	84.2	84.5	84.8	84.8	85.1	85.1	85.1	85.
2	5.1	69.7	75.1	78.9	80.9	82.0	84.2	85.0	85.2	85.5	85.8	85.8	86.1	86.1	86.1	86.
1	5.1	70.2	75.9	79.8	81.7	83.0	85.3	86.1	86.4	86.7	87.0	87.0	87.3	87.3	87.3	87.
.5	5.3	70.9	77.1	81.0	83.1	84.6	87.1	88.1	88.4	88.6	88.9	88.9	89.2	89.2	89.2	89.
.3	5.3	71.1	77.4	81.4	83.5	85.2	87.7	88.6	88.9	89.2	89.5	89.5	89.8	89.8	89.8	90.
.1	5.3	71.2	77.7	82.1	84.5	86.1	88.9	89.9	90.2	90.4	90.7	90.7	91.0	91.0	91.0	91.
.05	5.3	71.5	78.0	82.7	85.2	86.8	89.8	90.7	91.0	91.3	91.6	91.6	91.8	91.8	91.8	92.
.03	5.3	71.7	78.4	83.2	86.1	87.9	91.0	92.2	92.5	92.6	93.1	93.1	93.4	93.4	93.4	93.
.01	5.3	71.7	78.7	83.7	86.6	88.5	92.5	93.8	94.0	94.3	94.6	94.6	94.9	94.9	94.9	95.
.005	5.3	72.2	79.1	84.3	87.5	89.5	93.9	95.3	95.6	95.8	96.1	96.1	96.5	96.5	96.5	97.
.003	5.3	72.2	79.1	84.5	88.2	90.3	95.0	96.4	96.7	97.0	97.2	97.2	97.6	97.6	97.6	98.
.001	5.3	72.2	79.1	84.5	88.2	90.3	95.0	96.4	96.8	97.1	97.5	97.5	97.9	97.9	97.9	98.
.0005	5.3	72.2	79.1	84.5	88.2	90.3	95.0	96.4	96.8	97.1	97.5	97.5	97.9	97.9	97.9	99.
.0001	5.3	72.2	79.1	84.5	88.2	90.3	95.0	96.4	96.8	97.1	97.5	97.5	97.9	97.9	97.9	100.

TOTAL NUMBER OF OBSERVATIONS 77

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

75-78.82-64 STATION NAME FT KNOX/GOOMAN AAF KY

75-78.82-64 YEARS

667

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

667-667

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	4.4	57.1	58.6	60.2	61.8	62.4	62.6	62.6	62.8	62.7	63.1	63.1	63.1	63.2	63.2	63.
≥ 20000	4.4	51.1	62.9	64.6	66.3	66.5	67.2	67.4	67.4	67.5	67.7	67.7	67.7	67.8	67.8	68.
≥ 18000	4.6	51.1	62.9	64.6	66.3	66.5	67.2	67.4	67.4	67.5	67.7	67.7	67.7	67.8	67.8	68.
≥ 16000	4.6	51.1	62.9	64.6	66.3	66.5	67.2	67.4	67.4	67.5	67.7	67.7	67.7	67.8	67.8	68.
≥ 14000	4.6	51.1	62.9	64.6	66.3	66.5	67.2	67.4	67.4	67.5	67.7	67.7	67.7	67.8	67.8	68.
≥ 12000	5.1	51.3	63.7	65.4	67.2	67.4	68.2	68.5	68.5	68.6	68.8	68.8	68.8	68.9	68.9	69.
≥ 10000	5.2	52.9	64.9	67.4	69.2	69.4	70.2	70.5	70.5	70.6	70.8	70.8	70.8	70.9	70.9	71.
≥ 9000	5.2	63.1	65.1	67.5	69.4	69.5	70.3	70.6	70.6	70.8	70.9	70.9	70.9	71.1	71.1	71.
≥ 8000	5.2	64.6	66.6	69.7	71.5	71.8	72.6	72.9	72.9	73.1	73.2	73.2	73.2	73.4	73.4	73.
≥ 7000	5.5	65.4	67.4	70.5	72.3	72.6	73.4	73.7	73.7	73.8	74.0	74.0	74.0	74.2	74.2	74.
≥ 6000	5.5	67.1	69.4	72.5	74.5	74.9	75.7	76.0	76.0	76.2	76.3	76.3	76.3	76.5	76.5	76.
≥ 5000	5.7	67.8	70.3	73.5	75.8	76.2	76.9	77.2	77.2	77.4	77.5	77.5	77.5	77.7	77.7	78.
≥ 4500	5.7	68.3	70.8	74.2	76.9	77.1	77.8	78.2	78.2	78.3	78.5	78.5	78.5	78.6	78.6	78.
≥ 4000	5.7	70.6	73.2	76.9	80.2	80.6	81.4	81.7	81.7	81.8	82.0	82.0	82.0	82.2	82.2	82.
≥ 3500	6.0	71.2	73.8	77.5	80.8	81.2	82.2	82.5	82.5	82.6	82.8	82.8	82.8	82.9	82.9	83.
≥ 3000	6.0	72.8	75.7	79.5	82.8	83.4	84.6	84.9	84.9	85.1	85.2	85.2	85.2	85.4	85.4	85.
≥ 2500	6.0	73.1	76.0	80.0	83.2	83.8	85.2	85.5	85.5	85.7	85.8	85.8	85.8	86.0	86.0	86.
≥ 2000	6.0	73.7	76.8	81.1	84.3	84.9	86.3	86.6	86.6	86.8	86.9	86.9	86.9	87.1	87.1	87.
≥ 1800	6.0	73.8	77.1	81.5	84.8	85.4	86.8	87.1	87.1	87.2	87.4	87.4	87.4	87.5	87.5	87.
≥ 1600	6.0	74.3	77.8	82.5	85.8	86.5	87.8	88.2	88.2	88.3	88.5	88.5	88.5	88.6	88.6	88.
≥ 1400	6.0	74.9	78.6	83.4	86.8	87.5	89.1	89.4	89.4	89.5	89.7	89.7	89.7	89.8	89.8	89.
≥ 1200	6.0	75.5	79.4	84.2	88.0	89.1	90.6	90.9	90.9	91.1	91.2	91.2	91.2	91.4	91.4	91.
≥ 1000	6.0	75.5	79.5	84.3	88.2	89.2	90.8	91.1	91.1	91.2	91.4	91.4	91.4	91.5	91.5	91.
≥ 900	6.0	75.5	79.5	84.3	88.8	90.3	92.0	92.3	92.3	92.5	92.6	92.6	92.6	92.8	92.8	93.
≥ 800	6.0	75.7	79.8	86.2	90.9	92.5	94.3	95.1	95.1	95.2	95.4	95.4	95.4	95.5	95.5	95.
≥ 700	6.0	76.3	80.5	86.8	91.5	93.1	95.1	95.3	95.8	96.0	96.2	96.2	96.2	96.3	96.3	96.
≥ 600	6.0	76.3	80.5	86.9	91.8	93.7	96.2	97.4	97.4	97.5	97.7	97.7	97.7	97.8	97.8	96.
≥ 500	6.0	76.5	80.6	87.2	92.2	94.3	96.8	98.2	98.3	98.6	98.8	98.9	98.9	99.1	99.1	99.
≥ 400	6.0	76.5	80.6	87.4	92.3	94.5	96.9	98.5	98.6	98.9	99.1	99.2	99.2	99.4	99.4	99.
≥ 300	6.0	76.5	80.6	87.4	92.3	94.5	96.9	98.5	98.6	98.9	99.1	99.2	99.2	99.4	99.4	99.
≥ 200	6.0	76.5	80.6	87.4	92.3	94.5	96.9	98.5	98.6	98.9	99.1	99.2	99.2	99.4	99.4	99.

TOTAL NUMBER OF OBSERVATIONS 667

LERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

704240
STATION

FT KNOX/JOHNS AAF KY
STATION NAME

75-64
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	13.2	47.4	51.2	55.7	57.8	58.6	59.4	60.0	60.1	60.4	60.6	60.7	60.8	60.9	61.0	61.1
≥ 20000	13.5	52.1	57.2	61.4	63.8	64.6	65.4	66.1	66.3	66.6	66.8	66.9	67.1	67.1	67.1	67.4
≥ 18000	15.5	52.2	57.1	61.5	63.9	64.0	65.7	66.2	66.4	66.7	66.9	66.9	67.1	67.2	67.2	67.5
≥ 16000	15.6	52.2	57.2	61.5	64.7	64.5	65.7	66.3	66.4	66.7	66.9	67.0	67.1	67.2	67.3	67.5
≥ 14000	15.7	52.4	57.4	61.0	64.2	65.0	65.9	66.5	66.7	66.9	67.1	67.2	67.4	67.5	67.5	67.8
≥ 12000	15.8	53.1	59.1	62.5	65.0	65.0	66.8	67.3	67.5	67.8	68.0	68.0	68.2	68.3	68.3	68.6
≥ 10000	16.1	55.1	61.3	60.0	68.7	69.5	70.5	71.1	71.4	71.6	71.9	71.9	72.1	72.2	72.2	72.5
≥ 9000	16.1	55.5	61.8	56.5	69.2	70.0	71.3	71.6	71.9	72.2	72.4	72.4	72.6	72.7	72.8	73.1
≥ 8000	16.5	59.3	65.1	71.5	73.3	74.2	75.3	75.9	76.1	76.4	76.7	76.7	76.9	77.0	77.1	77.3
≥ 7000	16.7	60.2	66.1	71.6	74.7	75.0	76.6	77.2	77.4	77.7	78.0	78.0	78.2	78.3	78.4	78.6
≥ 6000	16.9	60.7	66.7	72.2	75.3	76.2	77.3	77.9	78.2	78.5	78.7	78.8	78.9	79.0	79.1	79.3
≥ 5000	17.0	61.7	67.8	73.4	76.5	77.4	78.6	79.2	79.4	79.7	80.0	80.0	80.2	80.3	80.4	80.6
≥ 4500	17.1	62.4	68.6	74.3	77.5	78.4	79.6	80.3	80.5	80.8	81.0	81.1	81.2	81.3	81.4	81.7
≥ 4000	17.4	63.9	70.4	76.3	79.7	80.7	81.9	82.6	82.8	83.2	83.4	83.5	83.6	83.7	83.8	84.0
≥ 3500	17.5	65.3	72.2	78.2	81.7	82.8	84.1	84.5	85.0	85.3	85.6	85.6	85.8	85.9	86.0	86.2
≥ 3000	17.4	67.3	74.5	80.8	84.6	85.0	87.1	88.0	88.2	88.6	88.8	88.9	89.2	89.2	89.3	89.5
≥ 2500	17.7	68.2	75.5	81.9	85.8	87.0	88.5	89.3	89.6	89.9	90.2	90.2	90.4	90.5	90.6	90.9
≥ 2000	17.8	68.9	76.2	82.7	86.9	88.4	89.7	90.5	90.8	91.1	91.4	91.5	91.6	91.7	91.8	92.0
≥ 1500	17.8	69.1	76.5	83.0	87.2	88.4	90.0	90.8	91.1	91.4	91.7	91.8	91.9	92.0	92.1	92.4
≥ 1000	17.9	69.7	77.2	83.8	88.1	89.3	91.7	91.9	92.1	92.5	92.7	92.8	93.0	93.1	93.2	93.4
≥ 800	18.0	70.1	77.7	84.4	88.8	90.1	91.8	92.7	92.9	93.3	93.5	93.6	93.8	93.9	94.0	94.2
≥ 600	18.0	70.3	78.2	85.0	89.6	90.9	92.7	93.6	93.8	94.2	94.5	94.5	94.7	94.8	94.9	95.0
≥ 400	17.8	70.4	78.3	85.2	90.0	91.4	93.2	94.1	94.3	94.7	95.0	95.0	95.2	95.3	95.4	95.6
≥ 300	17.9	70.6	78.6	85.6	90.5	91.9	93.9	94.7	95.0	95.4	95.6	95.7	95.9	96.0	96.1	96.3
≥ 200	17.9	70.7	78.7	85.7	90.8	92.3	94.4	95.3	95.6	95.9	96.2	96.2	96.4	96.5	96.6	96.8
≥ 150	17.9	70.9	78.9	86.0	91.2	92.7	95.0	96.0	96.3	96.7	96.9	97.0	97.2	97.4	97.4	97.7
≥ 100	17.9	71.0	79.0	86.2	91.5	93.1	95.4	96.5	96.8	97.2	97.5	97.6	97.8	97.9	98.0	98.2
≥ 80	17.9	71.0	79.0	86.3	91.7	93.3	95.9	96.9	97.2	97.6	98.1	98.2	98.4	98.5	98.6	98.8
≥ 60	17.9	71.0	79.0	86.4	91.8	93.5	95.9	97.1	97.5	98.2	98.5	98.6	98.9	99.0	99.1	99.4
≥ 40	17.9	71.0	79.0	86.4	91.8	93.5	95.9	97.3	97.7	98.4	98.8	98.9	99.3	99.4	99.5	99.8
≥ 20	17.9	71.0	79.0	86.4	91.8	93.5	95.9	97.3	97.7	98.4	98.8	98.9	99.3	99.4	99.5	100.0
≥ 0	17.9	71.0	79.0	86.4	91.9	93.5	95.9	97.3	97.7	98.4	98.8	98.9	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 534

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 724240 FT KNOX/GODMAN AAF KY

75-84

YEARS

MO/NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	9.6	54.7	59.2	54.4	67.2	67.7	68.3	68.5	68.8	68.8	68.5	68.6	68.5	68.8	68.8	68
≥ 20000	10.9	59.3	65.0	71.0	73.8	74.3	75.0	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75
≥ 18000	10.9	59.3	65.0	71.0	73.8	74.3	75.0	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75
≥ 16000	10.9	59.3	65.0	71.0	73.8	74.3	75.0	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75
≥ 14000	10.9	59.3	65.0	71.0	73.8	74.3	75.0	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75
≥ 12000	11.2	58.8	65.4	71.4	74.2	74.7	75.4	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76
≥ 10000	11.2	58.8	65.4	71.4	74.2	74.7	75.4	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76
≥ 8000	11.2	58.8	65.4	71.4	74.2	74.7	75.4	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76
≥ 6000	11.3	58.0	70.7	78.0	81.2	81.7	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83
≥ 5000	11.3	58.0	70.7	78.0	81.2	81.7	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83
≥ 4500	11.4	56.8	72.8	80.2	83.5	84.1	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85
≥ 4000	11.5	57.4	73.6	81.2	84.3	84.9	86.0	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86
≥ 3500	11.5	57.4	73.6	81.2	84.3	84.9	86.0	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86
≥ 3000	11.5	57.4	73.6	81.2	84.3	84.9	86.0	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86
≥ 2500	11.7	59.9	76.4	83.9	87.5	88.0	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90
≥ 2000	12.1	71.2	77.9	86.1	92.2	92.8	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93
≥ 1800	12.2	71.7	78.7	87.2	91.3	91.9	93.4	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94
≥ 1600	12.2	71.8	79.0	87.5	91.6	92.2	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94
≥ 1400	12.2	71.8	79.0	87.5	91.6	92.2	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94
≥ 1200	12.2	72.4	79.7	88.2	92.7	93.3	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95
≥ 1000	12.2	72.9	80.4	88.9	93.5	94.1	95.4	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96
≥ 900	12.2	73.1	80.5	89.1	94.1	94.6	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96
≥ 800	12.2	73.1	80.5	89.3	94.6	95.2	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97
≥ 700	12.2	73.1	80.5	89.3	94.6	95.2	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97
≥ 600	12.2	73.1	80.5	89.3	94.9	95.8	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98
≥ 500	12.2	73.1	80.5	89.3	95.1	95.6	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98
≥ 400	12.2	73.4	80.8	89.6	95.5	96.0	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98
≥ 300	12.2	73.4	80.8	89.6	95.5	96.0	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98
≥ 200	12.2	73.4	80.8	89.6	95.5	96.0	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98
≥ 100	12.2	73.4	80.8	89.6	95.5	96.0	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98
≥ 0	12.2	73.4	80.8	89.6	95.5	96.0	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98

TOTAL NUMBER OF OBSERVATIONS 7

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 75-84 FT KNOX/SODMAN AAF KY

75-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO. CEILING 20000	19.4	38.5	47.0	41.3	42.3	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
20000	22.2	44.5	46.7	48.1	49.1	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
21800	22.3	44.7	46.9	48.3	49.3	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
22000	22.7	44.7	46.9	48.3	49.3	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
23400	22.5	44.9	47.1	48.5	49.5	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
24000	23.1	46.3	48.5	50.0	51.1	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
25000	24.3	51.3	53.4	54.9	56.1	56.2	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
26000	24.9	51.5	53.7	55.2	56.2	56.4	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
27000	26.7	54.7	57.0	58.5	59.9	60.0	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
28000	27.1	56.6	59.2	60.7	62.1	62.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
29000	27.2	57.5	59.9	61.4	62.8	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
30000	27.5	59.1	61.5	63.0	64.4	64.4	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
31000	27.5	60.5	63.2	64.7	66.1	66.3	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
32000	27.5	62.0	64.9	66.7	68.2	68.4	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
33000	27.6	63.7	66.8	68.6	70.2	70.5	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
34000	27.3	66.9	70.1	72.0	73.7	73.9	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
35000	27.2	69.1	72.4	74.4	76.2	76.4	77.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
36000	27.2	71.3	74.7	77.1	78.9	79.1	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
37000	27.9	71.7	75.2	77.6	79.4	79.7	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
38000	31.7	73.6	77.4	79.8	81.8	82.1	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
39000	31.4	75.3	79.2	81.6	84.6	84.9	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
40000	31.4	76.8	80.7	83.3	86.3	86.9	87.9	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
41000	31.4	77.5	81.5	84.3	87.4	87.9	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
42000	31.5	77.9	82.2	85.3	88.5	89.3	90.3	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
43000	31.5	79.0	82.6	86.1	90.2	91.0	92.5	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
44000	31.5	79.0	82.6	86.2	90.6	91.6	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
45000	31.5	79.2	82.8	86.8	91.1	92.5	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
46000	31.5	79.3	82.9	86.9	92.1	93.6	95.7	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1
47000	31.5	79.3	82.9	86.9	92.2	93.7	95.9	96.8	97.5	97.8	98.2	98.4	98.5	98.6	98.6
48000	31.5	79.3	82.9	86.9	92.2	93.7	95.9	97.0	97.9	98.4	98.7	99.1	99.2	99.4	99.4
49000	31.5	79.3	82.9	86.9	92.2	93.7	95.9	97.0	97.9	98.4	98.7	99.1	99.2	99.4	99.5

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124240 FT KNOX/GODMAN AAF KY

75-84

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-14-14

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
20000	25.0	44.4	44.8	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
18000	25.0	52.5	52.8	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
16000	25.0	53.0	53.4	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
14000	25.0	53.0	53.4	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
12000	25.0	53.6	54.0	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
10000	25.0	54.4	54.6	55.2	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
9000	25.0	57.7	58.1	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
8000	25.0	58.6	59.1	59.6	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
7000	25.0	60.6	61.4	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
6000	25.0	62.3	62.9	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
5000	25.0	62.6	63.2	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
4500	25.0	63.0	63.5	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
4000	25.0	66.6	68.0	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
3500	25.0	68.4	69.8	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
3000	25.0	72.4	73.8	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2500	25.0	75.9	77.3	78.4	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
2000	25.0	76.2	79.6	80.8	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
1800	25.0	79.2	80.7	82.1	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
1600	25.0	81.3	83.1	84.7	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
1400	25.0	84.4	86.5	86.6	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
1200	25.0	83.2	85.3	86.1	89.6	89.7	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1000	25.0	84.5	86.7	89.8	91.5	91.6	92.3	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
900	25.0	85.2	87.4	90.7	92.7	92.9	93.6	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
800	25.0	85.2	87.6	91.0	93.3	93.6	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
700	25.0	85.3	87.7	91.2	93.7	94.1	95.4	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
600	25.0	85.5	87.9	91.5	94.4	95.1	96.4	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500	25.0	85.6	88.1	91.6	95.2	96.0	97.5	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	25.0	85.6	88.1	91.6	95.3	96.1	97.6	98.3	98.7	98.9	99.0	99.2	99.2	99.3	99.3	99.3
300	25.0	85.6	88.1	91.6	95.3	96.1	97.7	98.5	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7
200	25.0	85.6	88.1	91.6	95.3	96.1	97.7	98.5	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7
100	25.0	85.6	88.1	91.6	95.3	96.1	97.7	98.5	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 67

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAE

CEILING VERSUS VISIBILITY

STATION FT KNOX/GODMAN AAF KY

75-84

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-50-170

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	27.4	45.4	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 18000	30.4	52.3	52.9	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	37.7	52.9	53.4	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	30.7	52.9	53.4	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	31.1	53.3	53.9	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	31.9	55.2	55.7	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	32.9	57.2	57.8	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 6000	33.5	57.9	58.5	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 4000	34.7	61.2	61.9	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 2000	35.7	62.5	63.1	63.6	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 1000	36.7	62.6	63.7	63.9	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 500	36.4	63.3	64.7	64.6	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 250	36.5	64.7	65.4	65.9	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 100	37.2	67.1	67.5	68.0	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 50	38.2	69.3	70.1	70.9	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 25	39.2	72.8	74.7	75.1	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 10	40.6	77.1	79.4	79.5	80.3	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5	40.9	81.0	82.5	83.7	84.6	84.6	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2	41.1	81.8	83.3	84.6	85.8	85.8	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1	41.3	82.2	84.1	85.7	87.0	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 0.5	41.6	84.3	86.2	88.1	89.6	89.6	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 0.25	41.6	85.1	87.1	89.0	90.6	90.6	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 0.1	41.6	86.1	88.2	90.7	92.4	92.4	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 0.05	41.6	86.2	88.3	91.2	92.9	92.9	93.0	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 0.025	41.6	86.2	88.5	91.5	93.9	94.2	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 0.01	41.6	86.4	88.9	91.9	94.6	95.1	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 0.005	41.7	86.6	89.1	92.4	95.3	95.9	96.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 0.0025	41.7	86.7	89.2	92.5	95.8	96.3	97.4	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0.001	41.7	86.7	89.2	92.5	95.8	96.3	97.4	98.2	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0.0005	41.7	86.7	89.2	92.5	95.8	96.3	97.4	98.2	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 27

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124247 FT KNOX/GOODMAN AAF KY

75-54

YEARS

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-52-2000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
10000	10.9	40.1	49.1	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
8000	19.5	50.4	51.6	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
6000	19.5	50.4	51.6	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
4000	19.5	50.4	51.6	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
2000	17.9	50.6	52.7	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
1000	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
800	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
600	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
400	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
200	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
100	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
80	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
60	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
40	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
20	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
10	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
8	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
6	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
4	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
1	27.5	55.3	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS 19

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724240 FT KNOX/GOODMAN AAF KY

75-84

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1100-2300
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
20000	11.7	46.8	49.8	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
18000	12.0	51.7	53.0	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
16000	12.0	51.7	53.0	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
14000	12.0	51.7	53.0	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
12000	12.2	54.5	54.8	55.5	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
10000	12.4	55.9	57.2	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
8000	12.4	56.3	57.6	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
6000	12.4	59.0	60.3	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
4000	13.2	61.0	62.3	63.1	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
2000	13.5	61.3	62.5	63.6	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
1000	14.3	63.1	64.6	65.4	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
500	15.4	66.5	68.2	68.9	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
250	15.4	66.8	70.4	71.2	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
150	15.4	67.8	71.5	72.4	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
100	15.8	71.7	73.8	74.6	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
75	15.9	74.6	76.8	77.8	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
50	16.2	77.3	79.6	81.0	82.0	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
25	16.6	78.0	80.5	82.3	83.3	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
15	16.6	78.7	81.7	83.6	84.6	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
10	16.5	79.9	83.6	85.9	87.3	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
5	17.1	84.9	84.7	87.8	89.2	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2	17.3	81.4	85.7	88.9	90.6	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1	17.3	82.0	86.6	89.9	91.6	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
.5	17.3	82.0	87.0	90.7	92.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
.25	17.3	82.6	87.5	91.3	93.2	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
.1	17.3	82.8	87.8	92.0	94.4	95.5	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
.05	17.3	82.6	87.8	92.4	94.8	96.1	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
.01	17.3	82.8	87.8	92.4	94.8	96.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
.001	17.3	82.8	87.8	92.4	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
.0001	17.3	82.6	87.8	92.4	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 755

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 724242 FT KNOX/GROOMAN AAF KY STATION NAME

75-34

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	17.1	44.4	45.5	46.1	46.5	46.6	46.8	46.8	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0
≥18000	18.8	49.0	50.3	51.1	51.4	51.6	51.8	51.8	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0
≥16000	19.8	49.0	50.3	51.1	51.4	51.6	51.8	51.8	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0
≥14000	19.8	49.0	50.3	51.1	51.4	51.6	51.8	51.8	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0
≥12000	19.8	49.0	50.3	51.1	51.4	51.6	51.8	51.8	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0
≥10000	20.1	53.0	55.3	56.1	56.4	56.6	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥9000	20.3	54.3	55.9	56.6	56.9	57.1	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥8000	21.2	57.7	59.2	60.0	60.5	60.7	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥7000	21.8	59.4	60.9	61.8	62.3	62.5	62.8	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0
≥6000	22.0	60.0	61.6	62.5	63.0	63.2	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥5000	22.3	61.3	63.1	64.0	64.5	64.7	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥4500	22.5	63.0	65.0	66.0	66.5	66.6	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥4000	23.1	65.5	68.1	69.2	70.0	70.2	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥3500	23.6	67.8	70.0	71.3	72.1	72.3	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥3000	24.0	70.6	73.7	74.3	75.3	75.5	75.8	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥2500	24.7	73.4	75.9	77.4	78.4	78.7	79.1	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4
≥2000	25.0	76.1	79.7	80.4	81.5	81.6	82.3	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6
≥1800	25.3	76.7	79.4	81.3	82.4	82.7	83.2	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥1600	25.5	76.2	81.2	83.1	84.5	84.9	85.3	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥1400	25.6	77.6	82.8	85.1	86.8	87.0	87.7	87.9	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2
≥1200	25.7	80.6	83.9	86.6	88.6	89.0	89.7	89.9	89.9	90.0	90.1	90.2	90.2	90.2	90.2	90.2
≥1000	25.7	81.2	84.7	87.5	89.7	90.2	90.9	91.1	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥900	25.8	81.6	85.3	88.3	90.6	91.1	91.9	92.2	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6
≥800	25.8	81.8	85.6	89.0	91.8	92.4	93.3	93.6	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0
≥700	25.8	82.0	85.9	89.4	92.4	93.0	94.2	94.6	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥600	25.9	82.1	86.3	90.0	93.3	94.2	95.7	96.1	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7
≥500	25.9	82.1	86.3	90.0	93.3	94.0	96.4	96.9	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥450	25.9	82.1	86.3	90.0	93.3	93.9	95.1	96.7	97.4	98.0	98.4	98.6	98.7	98.8	98.9	98.9
≥400	25.9	82.1	86.3	90.0	93.3	93.9	95.1	96.7	97.7	98.4	99.0	99.3	99.4	99.5	99.7	99.7
≥350	25.9	82.1	86.3	90.0	93.3	93.9	95.1	96.7	97.8	98.5	99.1	99.3	99.5	99.6	99.8	99.8
≥300	25.9	82.1	86.3	90.0	93.3	93.9	95.1	96.7	97.8	98.5	99.1	99.3	99.5	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 5272

CEILING VERSUS VISIBILITY

74-73, E2-E3

100-10000

TOTAL NUMBER OF OBSERVATIONS 497

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

CEILING VERSUS VISIBILITY

None

215-216

TOTAL NUMBER OF OBSERVATIONS 495

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME FT KNOX/COMMAN AAF KY

74-83

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥1000	21.7	37.4	37.9	38.5	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥800	33.5	40.6	41.2	41.9	42.1	42.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥600	23.5	40.6	41.2	41.9	42.1	42.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥400	23.5	40.6	41.2	41.9	42.1	42.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥200	27.4	40.7	41.4	42.0	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥100	29.4	42.4	42.2	43.0	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥80	29.4	44.2	45.1	45.8	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥60	29.6	44.6	45.5	46.2	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥40	26.1	40.0	40.9	40.6	40.8	40.8	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥20	27.5	49.4	50.3	51.0	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥10	27.5	51.1	52.0	52.7	52.9	52.9	53.1	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥5	27.2	53.2	54.2	54.9	55.1	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥2.5	29.9	55.0	56.2	56.9	57.2	57.3	57.7	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2
≥1.5	37.7	56.6	58.0	58.9	59.2	59.4	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3
≥1	31.3	53.6	55.9	60.9	61.0	61.5	62.0	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5
≥0.5	32.3	61.4	62.7	63.3	64.2	64.4	65.0	65.2	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5
≥0.25	33.6	64.9	66.8	68.4	69.2	69.6	70.2	70.4	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥0.1	34.5	69.6	71.6	73.7	74.7	75.3	76.2	76.5	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8
≥0.05	34.7	70.0	72.8	74.8	75.8	76.4	77.3	77.6	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0
≥0.025	34.7	72.2	74.7	77.3	78.4	79.0	80.6	80.9	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2
≥0.01	37.3	73.7	76.3	79.2	80.3	80.9	82.6	83.1	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥0.005	35.6	75.3	78.5	81.7	82.9	83.6	85.3	85.8	85.8	86.0	86.1	86.2	86.2	86.2	86.2	86.2
≥0.0025	35.7	76.3	79.9	83.3	84.5	85.5	87.2	87.7	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.1
≥0.001	35.7	76.7	80.7	84.2	85.5	86.0	88.2	88.7	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2
≥0.0005	35.9	76.8	81.4	85.4	87.1	88.1	89.8	90.3	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8
≥0.00025	35.9	76.8	81.2	86.4	88.4	89.4	91.2	91.6	91.8	92.0	92.1	92.2	92.4	92.4	92.4	92.4
≥0.0001	35.9	77.1	82.7	87.3	89.4	90.5	92.4	93.3	93.7	94.0	94.1	94.2	94.5	94.5	94.5	94.5
≥0.00005	35.9	77.4	83.3	88.1	90.5	92.0	94.2	95.5	95.8	96.2	96.3	96.5	96.7	96.7	96.7	96.7
≥0.000025	35.9	77.5	83.4	88.4	91.7	92.4	95.7	96.7	97.6	98.3	98.5	98.9	99.1	99.1	99.1	99.1
≥0.00001	35.9	77.5	83.4	88.4	91.7	92.4	95.1	96.8	98.0	98.9	99.0	99.3	99.7	99.7	99.7	99.7
≥0.000005	35.9	77.5	83.4	88.4	91.7	92.4	95.1	96.8	98.0	98.8	99.0	99.3	99.7	99.7	99.7	99.7
≥0.0000025	35.9	77.5	83.4	88.4	91.7	92.4	95.1	96.8	98.0	98.8	99.0	99.3	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 883

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 12-247 FT KNOX/GOODMAN AAF KY

74-83

YEARS

SEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 25000	25.7	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 18000 ≥ 16000	29.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000 ≥ 12000	29.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000 ≥ 9000	32.5	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 8000 ≥ 7000	32.5	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 6000 ≥ 5000	34.4	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4500 ≥ 4000	34.4	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 3000 ≥ 2500	36.5	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 2000 ≥ 1500	37.5	56.7	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1000 ≥ 500	39.5	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 250 ≥ 200	39.5	60.9	61.5	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 150 ≥ 100	41.0	64.5	65.1	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 100 ≥ 50	42.9	67.9	68.6	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 50 ≥ 25	43.7	72.7	73.3	74.0	74.8	74.8	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 25 ≥ 15	44.0	73.9	74.6	75.3	76.0	76.0	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 15 ≥ 10	45.0	76.4	77.2	78.0	79.2	79.3	80.3	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 10 ≥ 5	47.6	79.4	79.8	81.2	82.8	83.2	84.3	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5 ≥ 2	46.0	80.5	82.4	84.2	85.9	86.4	87.6	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2 ≥ 1	46.1	81.7	83.7	85.5	87.2	87.8	88.9	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1 ≥ 0.5	46.1	82.4	84.9	86.9	88.6	89.2	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 0.5 ≥ 0.25	46.1	82.5	85.8	88.0	90.2	91.0	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 0.25 ≥ 0.1	46.1	82.7	86.4	89.0	91.3	92.2	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0.1 ≥ 0.05	46.1	82.7	86.4	89.3	91.6	93.1	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 0.05 ≥ 0.025	46.1	82.8	87.0	89.8	92.8	94.4	96.5	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 0.025 ≥ 0.01	46.1	82.8	87.0	89.8	92.8	94.4	96.8	98.0	98.4	98.5	98.8	98.8	99.1	99.1	99.2
≥ 0.01 ≥ 0.005	46.1	82.8	87.0	89.8	92.8	94.4	97.1	98.4	98.9	99.1	99.3	99.3	99.7	99.8	99.9
≥ 0.005 ≥ 0.0025	46.1	82.8	87.0	89.8	92.8	94.4	97.1	98.4	98.9	99.1	99.3	99.3	99.7	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 885

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

104245 FT KNOX/COLMAN AAF KY

74-93

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10-1-170

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
≥ 1000	26.4	36.2	35.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 900	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 800	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 700	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 600	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 500	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 400	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 300	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 200	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 100	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 50	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 20	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 5	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 2	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 1	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.5	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.2	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.1	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.05	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.02	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.01	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.005	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.002	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 0.001	26.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5

TOTAL NUMBER OF OBSERVATIONS 655

GLOBAL CLIMATOLOGY BRANCH
 CRAPETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-24-77 FT KFTA/022 MAY AAF 4Y

74-33

2-6

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12-2-2000

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	2.0	2.6	3.1	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.6	6.0	6.3	6.6	7.0	7.3
100	21.7	43.7	47.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
120	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
140	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
160	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
180	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
200	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
220	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
240	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
260	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
280	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
300	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
320	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
340	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
360	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
380	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
400	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
420	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
440	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
460	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
480	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
500	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
520	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
540	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
560	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
580	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
600	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
620	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
640	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
660	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
680	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
700	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
720	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
740	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
760	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
780	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
800	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
820	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
840	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
860	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
880	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
900	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
920	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
940	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
960	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
980	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
1000	22.4	43.5	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3

TOTAL NUMBER OF OBSERVATIONS 64

CEILING VERSUS VISIBILITY

74-32

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14.5 IOL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

NCV

PERIOD

3.4. 3.5. 3.6.

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	31.7			17.7						17.1	40.5	5.5	622
	03-05	30.7			13.6						13.0	41.7	5.0	618
	06-08	22.4			18.7						17.7	41.3	6.3	609
	09-11	13.2			22.2						24.7	39.0	6.9	668
	12-14	17.3			24.7						23.0	40.0	6.0	875
	15-17	11.4			26.3						23.7	38.6	6.8	868
	18-20	16.2			27.6						15.8	39.3	6.3	819
	21-23	30.4			16.3						13.5	34.7	5.7	795
TOTALS		21.0			20.9						17.9	40.1	6.3	6259

SKY COVER

CCT

STATION

STATION NAME

PERIOD

2. 2. 2.

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	42.2			17.5						12.3	28.1	4.4	644
	03-05	39.3			17.8						12.5	30.3	4.7	712
	06-08	24.6			22.8						20.0	32.6	5.7	801
	09-11	17.4			25.8						24.9	31.9	6.2	913
	12-14	14.5			25.8						26.7	33.7	6.5	924
	15-17	13.2			28.4						20.8	29.6	6.4	912
	18-20	18.1			31.0						23.3	27.6	5.9	877
	21-23	34.4			24.0						14.4	27.2	4.7	783
TOTALS		25.5			24.1						20.4	30.0	5.6	6651

SKY COVER

75-84

 $\leq \varepsilon P$

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	42.4			22.8						12.9	21.6	4.0	590
	03-05	41.5			19.3						11.7	27.5	4.4	643
	06-08	18.9			28.4						22.1	30.6	5.9	810
	09-11	16.5			32.1						24.0	27.5	5.9	681
	12-14	8.4			37.4						37.0	24.2	6.2	891
	15-17	9.4			37.0						33.0	20.6	6.1	873
	18-20	20.2			35.6						24.4	19.7	5.2	831
	21-23	35.7			28.4						17.4	18.5	4.3	718
TOTALS		24.2			30.1						21.9	23.4	5.3	6227

SKY COVER

AUL

STATION

STATION NAME

PERIOD

4.2.2.2

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	43.0			21.8						16.2	19.0	4.0	554
	03-05	37.6			24.6						17.8	20.0	4.3	639
	06-08	14.9			32.9						25.1	27.0	6.0	647
	09-11	13.4			33.7						26.6	26.3	6.0	927
	12-14	1.9			40.6						32.6	24.6	6.6	930
	15-17	1.2			43.2						33.3	22.2	6.5	900
	18-20	7.6			42.1						26.4	23.9	6.0	840
	21-23	25.3			34.1						20.3	20.3	4.9	710
TOTALS		18.1			34.1						24.8	22.9	5.5	6352

SKY COVER

JUL

M: 2N1H

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	40.3			25.6						15.7	18.4	4.0	528
	03-05	31.4			30.7						19.7	19.2	4.5	636
	06-08	13.5			35.7						27.2	23.6	5.9	860
	09-11	13.5			32.4						29.8	25.2	6.1	903
	12-14	2.1			37.6						39.9	20.4	6.8	907
	15-17	2.5			40.6						36.4	20.4	6.5	876
	18-20	8.2			43.0						29.8	19.1	5.9	845
	21-23	19.9			38.7						27.7	20.7	5.1	702
TOTALS		16.4			35.5						27.2	20.9	5.6	6257

SKY COVER

JUN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	35.9			26.1						19.6	18.4	4.4	537
	03-05	22.8			32.6						22.5	22.2	5.2	632
	06-08	11.7			29.6						32.7	26.7	6.4	849
	09-11	11.5			26.3						29.7	31.5	6.6	893
	12-14	3.1			31.3						36.9	28.7	7.1	898
	15-17	1.1			39.4						37.3	22.2	6.8	884
	18-20	7.9			37.5						37.7	23.9	6.3	846
	21-23	18.3			38.2						22.2	21.3	5.3	699
TOTALS		14.0			32.9						29.8	24.3	6.0	6238

USAFETAC

FORM
III 44

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAY

STATION

STATION NAME

PERIOD:

MON: H

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	36.0			17.7						13.6	32.8	5.0	464
	03-05	29.8			22.9						14.8	32.5	5.3	594
	06-08	13.4			29.2						20.4	37.0	6.4	878
	09-11	11.8			27.7						22.6	37.9	6.7	919
	12-14	5.6			29.3						30.3	34.8	7.1	923
	15-17	5.3			29.0						30.8	35.0	7.1	904
	18-20	7.2			35.3						22.9	34.6	6.6	864
	21-23	20.4			28.4						18.6	32.6	5.8	672
TOTALS		16.2			27.4						21.8	34.7	6.3	6218

SKY COVER

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	33.3			14.4						15.3	36.9	5.5	450
	03-05	35.4			12.9						11.2	40.6	5.4	466
	06-08	16.7			22.8						19.9	40.6	6.5	855
	09-11	12.8			24.2						23.7	39.3	6.8	900
	12-14	8.8			26.0						26.8	38.4	7.0	900
	15-17	10.1			20.4						30.5	38.9	7.3	897
	18-20	10.7			25.5						23.2	40.6	6.9	852
	21-23	20.7			26.9						16.3	36.2	5.9	774
TOTALS		18.6			21.6						20.9	38.9	6.4	6094

SKY COVER

724240

FT KNOX/GODMAN AAF KY

75-84

MAR

STATION

STATION NAME

PERIOD

MCNIM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	27.1			13.8						11.6	47.5	6.2	465
	03-05	24.2			10.0						13.0	52.8	6.7	462
	06-08	16.3			18.0						14.5	50.7	6.9	874
	09-11	10.4			20.8						20.3	48.5	7.3	930
	12-14	9.0			20.1						22.6	48.3	7.5	930
	15-17	7.1			20.6						24.5	47.7	7.6	930
	18-20	8.2			22.9						19.8	49.1	7.4	879
	21-23	19.6			19.8						13.1	47.5	6.5	815
			</											

USAFETAC

FORM
JUL 64

0.9.5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

FEB

STATION

STATION NAME

PERIOD

MONITOR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	31.1			11.4						11.4	46.2	6.0	431
	03-05	30.8			12.9						10.4	45.9	5.9	425
	06-08	19.3			18.8						15.2	46.7	6.6	794
	09-11	10.2			22.8						20.0	47.0	7.2	843
	12-14	9.1			20.0						23.6	47.3	7.5	842
	15-17	9.5			18.5						23.1	48.9	7.5	843
	18-20	8.4			22.8						19.0	49.7	7.4	798
	21-23	20.1			18.6						13.5	47.7	6.5	740
TOTALS		17.3			18.2						17.0	47.4	6.8	5716

USAFETAC

FORM
JL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

JAN

STAT JIN

STATION NAME

PERIOD

MONIM

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	25.7			12.4						9.0	53.6	6.5	597
	03-05	29.2			6.5						9.8	52.5	6.4	602
	06-08	19.9			11.5						11.6	57.7	7.1	618
	09-11	8.7			20.8						17.1	53.4	7.5	684
	12-14	7.3			21.2						20.3	51.2	7.6	688
	15-17	9.9			18.8						20.9	50.3	7.5	888
	18-20	11.1			18.2						18.2	52.4	7.4	611
	21-23	20.4			11.9						14.2	53.5	7.7	781
TOTALS		16.4			15.4						15.1	53.0	7.1	6259

✓

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS SECTION, THE AMOUNT OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBLSCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 5/10

OVERCAST WAS CONVERTED TO 10/10

OBLSCURED WAS CONVERTED TO 10/10

FEDERAL CLIMATOLOGY BRANCH
ETAC
U.S. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-84
STATION NAME
FT KNOX/SOLMAN AAF KY

74-84

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
≥10000	19.7	44.4	46.7	48.6	49.7	50.1	50.4	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥8000	22.0	49.9	52.6	54.7	56.2	56.3	56.8	57.3	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2
≥6000	27.0	50.0	52.7	54.8	56.1	56.5	56.9	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3
≥4000	20.1	50.0	52.8	54.8	56.1	56.5	56.9	57.1	57.2	57.2	57.2	57.3	57.3	57.4	57.4	57.4
≥2000	20.2	50.3	53.1	55.1	56.5	56.8	57.3	57.4	57.5	57.5	57.5	57.6	57.6	57.7	57.7	57.7
≥1000	21.7	51.6	54.4	56.6	57.9	58.3	58.7	58.9	59.0	59.0	59.0	59.1	59.1	59.2	59.2	59.2
≥800	21.7	53.3	58.4	60.7	62.2	62.6	63.2	63.2	63.3	63.4	63.5	63.5	63.5	63.5	63.6	63.6
≥600	22.6	58.4	61.8	64.3	65.9	66.3	66.8	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.4	67.4
≥400	22.7	59.5	62.9	65.4	67.1	67.5	68.2	68.3	68.3	68.4	68.5	68.5	68.5	68.6	68.6	68.6
≥200	23.1	60.3	63.8	66.4	68.1	68.5	69.2	69.3	69.3	69.4	69.5	69.5	69.5	69.6	69.6	69.6
≥100	23.3	61.6	65.4	68.1	69.9	70.3	70.9	71.1	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.4
≥75	23.7	62.9	66.5	69.3	71.1	71.5	72.1	72.4	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7
≥50	24.3	65.2	69.1	72.0	73.9	74.4	75.0	75.3	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.7
≥25	24.4	67.0	71.0	74.1	76.1	76.0	77.3	77.5	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9
≥15	25.5	69.7	74.0	77.2	79.5	80.5	80.7	81.0	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4
≥10	26.3	71.6	76.1	79.5	81.8	82.4	83.1	83.4	83.6	83.7	83.8	83.8	83.9	83.9	83.9	83.9
≥7.5	26.3	73.4	78.1	81.7	84.2	84.9	85.7	86.2	86.3	86.3	86.4	86.4	86.4	86.5	86.5	86.5
≥5	26.4	74.1	78.9	82.5	85.1	85.7	86.6	87.0	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.4
≥2.5	26.5	75.2	80.2	84.0	86.7	87.4	88.4	88.8	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3
≥2	26.5	76.1	81.4	85.4	88.4	89.1	90.2	90.6	90.7	90.9	91.0	91.0	91.1	91.1	91.2	91.2
≥1.5	26.5	76.7	82.2	86.5	89.6	90.4	91.6	92.1	92.3	92.4	92.6	92.6	92.7	92.7	92.7	92.7
≥1	26.7	77.0	82.6	87.0	90.3	91.1	92.4	92.9	93.0	93.2	93.4	93.4	93.5	93.5	93.5	93.5
≥0.75	26.7	77.2	82.9	87.4	90.8	91.7	93.1	93.6	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3
≥0.5	26.7	77.4	83.2	87.9	91.5	92.4	93.9	94.5	94.7	94.9	95.0	95.1	95.2	95.2	95.3	95.3
≥0.25	26.7	77.5	83.3	88.2	91.9	93.0	94.6	95.3	95.5	95.7	95.8	95.9	96.0	96.1	96.2	96.2
≥0.1	26.7	77.6	83.5	88.5	92.4	93.0	95.4	96.2	96.5	96.8	97.0	97.0	97.2	97.2	97.3	97.3
≥0.05	26.7	77.6	83.6	88.6	92.7	94.0	96.0	97.0	97.3	97.6	97.9	98.0	98.1	98.2	98.3	98.3
≥0.025	26.7	77.7	83.6	88.7	92.9	94.1	96.2	97.3	97.7	98.2	98.5	98.6	98.8	98.9	99.0	99.0
≥0.01	26.7	77.7	83.6	88.7	92.8	94.1	96.3	97.4	97.9	98.4	98.8	99.0	99.2	99.4	99.5	99.5
≥0.005	26.7	77.7	83.6	88.7	92.8	94.1	96.3	97.4	97.9	98.4	98.8	99.0	99.3	99.4	99.5	99.5
≥0.0025	26.7	77.7	83.6	88.7	92.8	94.1	96.3	97.4	97.9	98.4	98.8	99.0	99.3	99.4	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 746

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-240

FT KNOX/GOUMAN AAF KY

74-63

YEAR

MO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	18.5	38.0	39.0	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7
≥20000	17.8	42.4	42.8	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥18000	17.8	42.4	42.8	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥16000	15.9	42.4	42.8	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥14000	19.0	42.4	42.8	43.2	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥12000	20.6	44.4	44.4	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥10000	21.5	46.8	47.3	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥9000	21.2	47.2	47.7	48.1	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥8000	22.4	50.2	50.7	51.1	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥7000	23.4	51.6	52.1	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥6000	24.1	52.8	53.3	53.8	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥5000	24.9	54.9	55.4	55.9	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥4500	25.5	56.6	57.5	58.0	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥4000	26.2	59.1	59.8	60.5	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥3500	26.9	60.8	61.7	62.5	63.0	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥3000	28.2	64.4	65.4	66.3	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥2500	29.2	68.5	69.7	71.0	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥2000	29.6	72.5	73.9	75.4	76.3	76.5	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥1800	29.8	73.8	75.3	76.8	77.8	77.9	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥1600	30.1	75.6	77.7	79.3	80.6	80.9	81.5	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥1400	30.5	77.4	79.6	81.6	83.0	83.3	84.0	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
≥1200	30.7	78.9	81.7	84.4	85.4	85.9	86.7	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1
≥1000	30.7	79.5	82.5	85.1	86.6	87.1	87.9	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4
≥900	30.7	80.1	83.5	86.2	87.8	88.3	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥800	30.7	80.6	84.3	87.4	89.3	89.9	90.9	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5
≥700	30.7	80.8	84.8	88.1	90.1	90.6	91.9	92.2	92.3	92.4	92.5	92.6	92.6	92.6	92.6
≥600	30.7	81.1	85.3	89.0	91.4	92.3	93.5	94.1	94.3	94.5	94.6	94.7	94.7	94.7	94.7
≥500	30.7	81.3	85.8	89.7	92.6	93.6	95.5	96.4	96.6	96.9	97.1	97.2	97.2	97.2	97.2
≥400	30.7	81.4	85.9	89.9	92.9	94.1	96.2	97.6	98.2	98.5	98.8	99.1	99.3	99.6	99.7
≥300	30.7	81.4	85.9	89.9	92.9	94.1	96.2	97.6	98.2	98.5	98.8	99.1	99.3	99.6	99.7
≥200	30.7	81.4	85.9	89.9	92.9	94.1	96.2	97.6	98.2	98.5	98.8	99.1	99.3	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS _____

SKY COVER

74-83

OFC

STATION

STATION NAME

PERIOD

M. S. M.

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	NO. OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	24.9			13.5						12.9	48.7	6.4	4
	03-05	25.5			13.3						11.9	49.3	6.4	4
	06-08	18.8			20.4						13.6	47.1	6.6	7
	09-11	6.7			24.6						21.2	47.5	7.4	6
	12-14	4.7			25.5						22.3	47.5	7.5	8
	15-17	5.6			24.0						21.7	49.7	7.5	8
	18-20	15.0			22.4						16.6	46.0	6.8	6
	21-23	22.3			16.0						13.8	47.9	6.5	6
TOTALS		15.4			20.0						16.8	47.8	6.9	56

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

724240 FT KNOX/GODMAN AAF KY

74-84

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	16.4			15.4						15.1	53.0	7.1	626
FEB		17.3			18.2						17.0	47.4	6.8	571
MAR		15.3			18.3						17.4	49.7	7.0	628
APR		18.6			21.6						20.9	38.9	6.4	609
MAY		16.2			27.4						21.8	34.7	6.3	621
JUN		14.0			32.9						28.8	24.3	6.7	623
JUL		16.4			35.5						27.2	20.9	5.6	625
AUG		18.1			34.1						24.8	22.9	5.5	635
SEP		24.2			30.1						21.9	23.8	5.3	622
OCT		25.5			24.1						20.4	30.7	5.6	665
NOV		21.0			20.9						17.9	40.1	6.3	625
DEC		15.4			20.0						16.8	47.8	6.9	565
TOTALS		18.2			24.9						27.8	36.1	6.2	7421

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

✓

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

✓

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

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

DAILY TEMPERATURES

45-84

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

[illegible]

USAFETAC 0-215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
724240 FT KNOX/GODMAN AAF KY
STATION STATION NAME

45-54

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85							.1						.0
80							.3	.1					.0
75					.2	2.6	5.1	2.5	.3				.9
70				.1	1.1	17.5	41.1	31.4	10.3	.5			.7
65				2.3	11.0	49.6	73.8	66.4	28.8	2.8	.3		0.0
60	.2	.1	1.9	10.3	32.4	74.3	91.6	86.6	49.3	12.1	2.0	.4	30.7
55	.9	.4	5.3	23.3	55.0	90.8	98.8	97.1	69.4	24.9	7.2	1.9	40.3
50	2.5	2.1	11.8	36.5	74.5	97.6	100.0	99.8	87.2	43.0	14.1	4.3	48.6
45	5.1	6.2	19.0	52.9	87.9	99.7		100.0	96.0	61.1	23.6	9.4	55.9
40	10.3	13.0	33.4	72.3	96.0	99.9			99.3	80.1	38.2	16.4	64.0
35	19.7	27.2	49.6	89.4	99.5	100.0			100.0	92.4	56.4	29.0	72.6
33	25.2	33.0	58.5	93.4	99.8					95.9	66.9	35.7	76.3
30	37.6	45.5	71.6	97.7	100.0					9.4	73.9	47.8	81.9
25	54.8	63.9	86.9	99.9						99.9	91.0	68.4	89.1
20	69.0	77.7	94.8	100.0						100.0	97.0	83.2	93.7
15	80.6	85.8	98.5								98.7	91.3	96.4
10	88.4	92.3	99.2								99.7	95.6	98.0
5	93.1	96.7	99.7								99.8	97.6	98.9
0	96.5	99.0	99.8								99.9	99.0	99.5
-5	98.6	99.9	100.0								100.0	100.0	99.9
-10	99.5												100.0
-15	99.9												100.0
-20	100.0	100.0											100.0
MEAN	24.8	27.4	35.6	46.2	54.9	63.5	67.4	66.1	59.0	47.7	37.4	29.1	46.6
S D	12.665	11.446	10.663	9.574	8.068	6.420	5.107	5.468	8.050	9.220	10.431	11.334	17.582
TOTAL OBS	1185	1090	1199	1175	1233	1200	1235	1234	1186	1229	1186	1183	14335

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 STATION 724240 FT KNOX/GOODMAN AAF KY

45-84

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90							.3						.0
85						1.9	4.2	2.3	.5				.8
80					.7	15.5	29.9	25.6	7.7	.2			6.6
75				1.6	10.3	47.7	73.4	63.3	27.3	2.1			19.2
70			.8	10.0	31.1	74.5	93.4	89.0	49.2	9.9	.9	.1	30.5
65	.2	.1	4.8	22.4	56.9	91.7	99.0	97.6	72.7	27.4	4.4	.3	40.5
60	1.1	.6	11.3	38.7	76.2	98.3	100.0	99.9	89.5	47.5	10.7	1.9	48.0
55	3.5	5.0	20.4	55.6	89.1	99.7		100.0	96.2	64.8	22.1	5.6	56.0
50	6.6	12.6	33.8	74.6	97.4	100.0			99.7	82.4	37.1	13.1	64.1
45	16.5	22.9	49.9	88.3	99.4				100.0	94.7	55.1	23.8	71.0
40	27.5	39.2	64.8	96.6	100.0					96.8	72.5	39.7	73.8
35	45.3	58.1	82.2	99.7						99.9	87.4	56.3	86.3
30	62.4	72.2	93.3	100.0						100.0	94.9	76.2	91.8
25	75.9	84.4	97.6								98.4	88.9	95.6
20	86.4	91.7	99.2								99.2	94.8	97.7
15	92.1	96.0	99.7								99.8	97.2	98.6
10	96.5	98.9	100.0									99.2	99.5
5	98.4	99.9									100.0	99.7	99.8
0	99.6											99.9	100.0
-5	100.0	100.0										100.0	100.0
MEAN	32.7	36.1	44.9	56.3	65.1	73.5	77.0	75.9	69.2	58.4	46.1	37.0	56.0
S D	12.238	11.366	11.039	9.498	7.664	6.034	4.750	5.027	7.520	8.764	10.462	10.999	18.023
TOTAL OBS	1185	1090	1199	1175	1233	1200	1235	1234	1186	1229	1186	1183	14335

USAFETAC FORM 0 21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
SCAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

124240 FT KNOX/DOOMAN AAF KY
STATION STATION NAME

45-54

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41				84	83	89	95	97	99	95	81	80	59	
42		72*	63		86	82	94	95	92*	92	85	80	68	
43		59	60	66	80	86	92	93	98	95	97	65	62	98
44		61	72	83	85	86	95	97	98	92	79	74	66	98
45		70	68	77	79	92	95	96	95	88	85	76	62	96
46		75	66	72	82	81	92	89	98	86	85	81	69	93
47		67	69	69	86	91	97	83	96	93	89	68	71	97
48		58	66	90	89	90	98	104	97	93	89	76	85	104
49		64	62	73	81	83	100	99	100	101	85	74	62	101
50		80	71	71	85	91	99	104	97	102	80	74	62	104
51		63	68	76	87	88	93	76	85	95	83	80	65	96
52		60	64	76	84	89	93	96	95	94	85	77	64	96
53		69	68	74	86	88	93	93	96	97	79	68	53	97
54		52	65	56	83	87	91	92	94	90	81	80	60	94
55		67	68	78	84	92	93	95	93	90	80	76	65	95
56		68	62	77	87	86	94	92	95	95	84	74	64	95
57		58	69	74	79	93	92	93	93	91	94	83	68	93
58		66	78	77	86	90	90	92	101	91	94	67	66	101
59		62	60	80	86	91	97	95	96	90	89	71	58	97
60		68	55	71	79	88	92	93	98	94	78	73	67	98
61		63	57	67	86	89	90	97	98	90	83	73	66	98
62		62	63	75	77	85	93	97	89	88	76	69	65	97
63		73	66	81	83	87	96	95	85	85	85	63	71	96
64		60	61	78	82	85	92	93	94	87	82	80	57	94
65		58	57	74	81*	88	92*	96	63	87	85	65	55	96
66		66	63	67	96	88	90	95	94	91	81	71	72	95
67		63	70	75	83	85	95	92	92	87	86	79	70	95
68		70	78	79	82	87	91	94	95	93	76*	77*	65	95
69	*	53	63	76*	78	83	90	94*	95*	95*	87*	73*	63	95
70	*	66*	68*	81*	82*	86	89	91	90	86	83	81*	63	91
MEAN														
S D														
TOTAL OBS														

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

N (AT LEAST ONE DAY LESS THAN 24 OBS)

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

724240 FT KNOX/GODDARD AAF KY

45-54

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

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

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-3 (OIA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

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MINIMUM TEMPERATURE:

FROM DAILY OBSERVATIONS

45-24

YEARS

10

NOTES * (BASED ON LESS THAN FULL MONTHS)

* (AT LEAST ONE DAY LESS THAN 24 OBS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124240 FT KNOX/GODMAN AAF KY

75-80, 93-84

YEARS

JAN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
52/ 51		.3																	2	2														
50/ 50			.2																1	1	2													
50/ 50																																		
50/ 50		.2	.3																3	3	1													
50/ 50		.3		.2	.2														4	4	2													
52/ 51		.2	.2	.2	.3	.5													8	8	4	5												
50/ 49		.7	.2	.2	.3														8			2												
48/ 47		.5	.7	.2	1.0														12	12	5													
46/ 45		.2	.2																2	2	6	5												
44/ 43			.3	.3															4	4	7	1												
42/ 41		1.3	1.7	.7	.8	.2													24	24	10	6												
40/ 39	.2	2.2	1.2	1.2															28	25	14	6												
38/ 37	.3	2.0	1.7	.8															29	29	25	16												
36/ 35	.2	1.5	3.0	.3	.2														31	31	23	16												
34/ 33		2.2	5.7	.8	.3														50	50	29	12												
32/ 31	.2	3.9	3.2	1.0															49	49	53	30												
30/ 29		3.1	3.8																35	35	50	24												
28/ 27		6.2	1.9	.7															56	56	39	34												
26/ 25	.2	5.5	2.7	.5															53	53	69	35												
24/ 23		1.7	.7	.2															10	15	49	33												
22/ 21		1.7	1.0																16	16	23	45												
20/ 19		4.7	.5																21	31	18	56												
18/ 17	.2	3.5	.8																27	27	36	43												
16/ 15		3.3																	20	20	24	21												
14/ 13		2.0	.2																13	13	17	28												
12/ 11	.7	1.7																	10	10	17	25												
10/ 9		1.8																	11	11	7	25												
8/ 7		.7																	4	4	10	20												
6/ 5	.3	1.5																	11	11	8	13												
4/ 3	.2	2.3																	15	15	19	19												
2/ 1	.2	.7																	5	5	6	13												
0/ -1	1.5	.2																	10	10	10	9												
-2/ -3	.3	.5																	5	5	5	8												
-4/ -5																					1	6												
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ											
Rel. Hum.																																		
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

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

PSYCHROMETRIC SUMMARY

YEARS

442

MONTH

PAGE 2 0000-0200
HOURS 10.5.10

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
-0/-7	.5																																	
-3/-9																																		
-10/-11	.3																	1	1	1	1													
-12/-13	.5																	2	2	2	2													
-14/-15																																		
-16/-17																																		
-18/-19																																		
-22/-23																																		
-24/-25																																		
TOTAL	5.456	4.27	3	7.2	3.2	.7													598	598	598													

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	350767	42059	70.3	12.457	598	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	533341	16193	27.1	17.638	598	3.3	61.0					65
Wet Bulb	444932	14722	24.6	11.755	598	3.4	72.6					76
Dew Point	309467	10981	18.4	13.439	598	9.3	82.0					91

5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

75-30, 23-24

YEARS

JAN
MONTH

PAGE 3

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

[illegible]

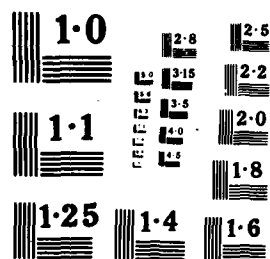
UNCLASSIFIED

TECHNICAL APPLICAT
USAFETAC/DS-B5/009

F/G 4/2

NL

415



PSYCHROMETRIC SUMMAR

YEARS

JAN
MONTH

PAGE 2 0300-050
HOURS (L. S. T.)

[illegible]

2.

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JAN

MONTH

FORM 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
-6/-7	.7																	6	6	6	17											
-3/-9	.2																	2	2	2	11											
-10/-11																					11											
-12/-13																					3											
-14/-15	.4																	3	3	3	1											
-16/-17																					6											
-18/-19																					4											
-22/-23																					2											
-24/-25																					1											
TOTAL	10.758	325.3	4.6	.9	.1														821	822		821										

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4553137	60276	73.4	12.484	821	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	691213	21453	26.1	12.647	822	3.3	63.2					93
Wet Bulb	591661	19719	24.0	11.998	821	3.5	71.4					93
Dew Point	436848	15140	18.4	13.866	821	10.8	80.3					93

PSYCHROMETRIC SUMMARY

<u>724240</u>	<u>FT KNOX/GODMAN AAF KY</u>
STATION	STATION NAME

75-84

YEARS

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

JAN
MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
0/-1	.3	.2																5	5	6	18				
-2/-3	.5	.6																9	9	8	24				
-4/-5	.1	.1																2	2	5	15				
-6/-7	.3	.2																5	5	4	10				
-8/-9	.1																	1	1	2	5				
-10/-11	.1																	1	1	1	6				
-12/-13	.1																	1	1	1	4				
-14/-15																					3				
-16/-17																					5				
-18/-19																					2				
-20/-21																					3				
-22/-23																					2				
-24/-25																					1				
-26/-27																					1				
-28/-29																					1				
-30/-31																					1				
TOTAL	7.9	51.2	32.4	6.6	1.9													884	688		884				

PSYCHROMETRIC SUMMARY

724243
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84

YEARS

JAN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
72 / 71						.1												1	1															
66 / 65				.1														1	1															
64 / 63			.1															1	1	1														
62 / 61		.1				.1												2	2															
59 / 59		.1	.2	.1			.2											6	6	3														
58 / 57		.2					.2											4	4	2	4													
56 / 55		.5	.2	.2	.1	.5												13	13	5	4													
54 / 53	.2	.2	.3	.7	.7	.5												23	23	8	6													
52 / 51			.7	.2	.7	.1												15	15	6	4													
50 / 49			.6	.5	.7													15	15	2	2													
48 / 47			.1	.6	.6	.2	.1											14	14	20	4													
46 / 45		.6	.5	.9	1.0	.2												28	28	19	5													
44 / 43		1.1	.1	1.1	1.2	.5												36	36	23	6													
42 / 41	.1	2.3	.7	2.0	1.1	.1												56	56	30	19													
40 / 39	.3	1.9	1.9	1.7	.5													56	56	35	28													
38 / 37	.1	1.5	2.3	1.8	.5													54	54	48	31													
36 / 35		1.8	3.5	1.1	.8													64	64	59	29													
34 / 33	.5	3.2	2.7	1.0	.3													66	68	60	33													
32 / 31	.6	1.6	2.3	2.1	.5													62	62	65	65													
30 / 29	.1	1.9	2.6	.8														48	48	40	46													
28 / 27		2.7	1.8	1.1														50	50	51	52													
26 / 25		2.6	2.6	.3														49	49	77	61													
24 / 23		1.2	1.4	.3														26	26	46	40													
22 / 21		1.4	1.8	.3														31	31	43	37													
20 / 19		2.5	1.5	.2														37	37	33	70													
18 / 17		2.4	1.0															30	30	34	46													
16 / 15		1.2	.7															17	17	37	31													
14 / 13		.8	.8															14	14	17	29													
12 / 11		1.1	.6															15	15	14	39													
10 / 9		1.7	.3															18	18	16	44													
8 / 7		1.1	.1															11	11	27	26													
6 / 5		.8																7	7	7	12													
4 / 3		.2																2	2	4	19													
2 / 1		.7																6	6	3	26													
Element (X)	Σ X ²		Σ X		Σ		Σ A		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.											± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total											
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

75-84

YEARS

JAN
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

YEARS

JAN
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-2/-3			.1															1	1		1			
-4/-5			.2															2	2		0			
-6/-7																				2	2			
-8/-9																				1	5			
-10/-11																					5			
-12/-13																					3			
-14/-15																					3			
-16/-17																					3			
-20/-21																					5			
-22/-23																					1			
TOTAL	2.12	7.43	1.51	8.91	1.9	5.9	1.9	.3										888	888		888			

Element (X)	Σ X'	Σ X	Y	σ _A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	35757.2	53814	63.61	6.05	888	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1141939	29920	33.71	12.28	888	.5	41.6					93
Wet Bulb	877448	26130	29.41	11.06	888	1.3	53.9					93
Dew Point	545593	18353	20.71	13.69	888	7.3	77.8					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GOODMAN AAF KY

75-84

YEARS

JAN
MONTH

PAGE 1 1800-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 61			.1	.2															3	3				
60/ 59			.4																3	3				
58/ 57		.2																	2	2	2			
56/ 55		.9	.1		.1	.1													10	10	6			
54/ 53		.1	.6	.1	.4	.1													11	11	7			
52/ 51		.5		.2	.4	.5													13	13	3			
50/ 49			.9	.1	.5	.2	.1												15	15	9			
48/ 47		.5	.2	.6	1.0	.1	.2												22	22	5			
46/ 45		.2	.4	.9	.6	.1													18	18	13			
44/ 43		.4	.1	1.2	.5	.1													19	19	19			
42/ 41		1.5	.7	1.7	1.7	.1													47	47	13			
40/ 39		1.0	1.6	1.7	1.0														43	43	33			
38/ 37	1.1	1.5	3.6	2.7	.7														78	78	42			
36/ 35	.2	1.7	2.3	1.2	.2														41	41	56			
34/ 33	.2	3.5	2.2	1.0	.7														52	62	73			
32/ 31	.1	3.5	3.7	2.5	.1														80	80	73			
30/ 29		1.6	3.5	.9	.5														52	52	56			
28/ 27	.1	2.5	3.2	.2	.1														50	50	56			
26/ 25		2.3	2.1	.5															40	40	74			
24/ 23		2.2	1.6	.1															32	32	55			
22/ 21		1.7	2.2	.4															35	35	41			
20/ 19		2.5	1.2	.1															31	31	27			
18/ 17		1.7	.7																20	20	40			
16/ 15		2.0	1.2																26	26	25			
14/ 13		.7	.4																9	9	22			
12/ 11		.9	.4																10	10	11			
10/ 9		1.0	.5																12	12	11			
8/ 7		.4	.1																4	4	13			
6/ 5		1.2																	10	10	4			
4/ 3		.4																	3	3	12			
2/ 1		.1																	1	1	1			
0/ -1	.2	.2																	4	4	2			
-2/ -3	.1	.1																	2	2	3			
-4/ -5																					1			
Element (X)	Σ X'		Σ X		X		P _A		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 10-5 (OLA)
USAFETAC
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-5/-7			.1																1	1	1	6	
-8/-9		.2																	2	2	2	6	
-10/-11																						5	
-12/-13																						4	
-15/-17																						3	
-22/-23																						3	
TOTAL	2.5	36.4	34.2	16.5	8.6	1.5	.4												811	811	811		

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3587096	52538	64.81	15.055	811	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	914222	25558	31.51	11.589	811	1.0	48.6					53
Wet Bulb	731448	22740	28.01	10.763	811	1.0	60.8					53
Dew Point	479297	16553	20.41	13.214	811	6.9	79.5					93

PSYCHROMETRIC SUMMARY

75-94

YEARS

334
MONTH

PAGE 1 2100-2303
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

174240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

f F f

MONTH

PAGE 1 1500-1700
HOURS 11.5.1.

1500-1700
HOURS 11. 5. 1.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.		TOTAL Dry Bulb Wet Bulb Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31							
74/ 72											.1							1	1					
72/ 71								.1	.2		.1							4	4					
70/ 69						.2	.1		.4	.2								11	11					
68/ 67					.1	.2		.1	.7	.7								16	16					
66/ 65				.2				.2	.2	.2								8	8					
64/ 63		.1	.4	.5	.1	.4	.6	.6	.6	.2								24	24					
62/ 61		.1		.1	.2	.5	.1	.5	.4	.1								17	17					
60/ 59		.1	.1	.2	.5	.5	.6	.5	.9									29	29					
58/ 57		.9	.9		.2	.8	.8	.2	.6									35	35					
56/ 55		.5	.5	.4	1.2	.7	.4											30	30					
54/ 53	1.1	.5	.1	.4	.7	.6	.1											25	25					
52/ 51		.1	.2	.6	.6	1.4	.6	.2										32	32					
50/ 49		.1	.5	.5	1.2	.1	.2	.1										23	23					
48/ 47		.7	.1	.9	1.5	.6	.2											35	35					
46/ 45	1.1	.5	1.2	1.5	.6													42	42					
44/ 43	1.5	.6	.7	.9	1.1													41	41					
42/ 41	1.5	.6	2.4	1.2	.6													55	55					
40/ 39		1.2	.6	.6	.2													12	12					
38/ 37	1.1	1.5	1.4	1.9														50	50					
36/ 35	1.2	1.7	2.1	.6														46	46					
34/ 33	.9	1.3	2.5	.4														39	39					
32/ 31	1.7	2.7	3.8	.4														69	69					
30/ 29	1.5	3.2	3.5															57	57					
28/ 27	1.2	1.9	2.7															49	49					
26/ 25	.7	1.4	.7															20	20					
24/ 23		1.5	.2															15	15					
22/ 21	.1	.9	.4															12	12					
20/ 19	.4	2.3	.1															23	23					
18/ 17	.6	.5																9	9					
16/ 15		.1																1	1					
14/ 13																								
12/ 11	.1																	1	1					
10/ 9	.2																	2	2					
8/ 7																								
Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

124242	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

FEB

MONTH

PAGE :

1270-1425

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
57 - 5																					12				
47 - 3																					10				
27 - 1																					10				
57 - 1																					5				
-27 - 3																					1				
-47 - 5																					1				
TOTAL	.620	.433	.315	.710	.6	7.1	5.1	3.7	1.4	.1									343	843	843				

Element (X)	Σ X ²	Σ X	X̄	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3250421	50605	60.3	15.891	843	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1460539	33281	39.5	13.196	843		30.4	1.1	.1			84
Wet Bulb	1104553	28961	34.4	11.409	843		38.5					84
Dew Point	710655	21807	25.9	13.193	843	1.2	58.6					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY

75-84

FEB

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73										.1								1	1		
72/ 71									.1									1	1		
70/ 69						.2		.1										3	3		
68/ 67					.1	.2	.1		.2									6	6		
66/ 65					.1		.1	.5	.5									10	10		
64/ 63				.4	.2			1.1	.1									15	15		
62/ 61			.4	.1	.2	.4	.4	.5	.2									18	19		
60/ 59			.5	.2	.5	.7	.4	.6	.1									25	25	3	
58/ 57	.4	.4	.2	.1	.4	.9	.8	.5	.1									31	31	14	3
56/ 55		1.3	.6	.1	.4	1.1	.8	.1										37	37	15	7
54/ 53		.8	.5	.5	.8		.1	.2										25	25	29	13
52/ 51		.5	.4	.4	.7	1.2	.2											28	28	24	24
50/ 49		.6	.2	.4	.8	.8		.1										25	25	30	8
48/ 47		.2	.4	.6	.9	.4	.1											26	26	28	6
46/ 45		1.2	.2	1.9	.9	.5												40	40	34	15
44/ 43		1.2	.6	1.4	.8	.4												37	37	46	9
42/ 41		.4	2.0	1.2	1.1	.1												40	40	39	32
40/ 39		1.3	2.4	2.0	1.2	.4												61	61	43	32
38/ 37		.8	.7	1.5	.4													29	29	47	20
36/ 35	.2	1.5	1.3	1.4	.7													44	44	53	51
34/ 33		1.2	1.3	1.7	.1													36	36	52	36
32/ 31		1.5	3.9	3.0	.1													72	72	40	68
30/ 29		1.3	3.9	1.3														55	55	49	47
28/ 27		1.7	3.7	1.1														54	54	55	39
26/ 25		.7	3.6	.5														72	32	77	45
24/ 23		.1	1.1															10	10	49	34
22/ 21			1.7															14	14	27	43
20/ 19		.9	2.5															29	29	15	50
18/ 17		.9	.9															16	16	27	36
16/ 15		.6	.6															10	10	19	54
14/ 13		.7	.8															9	9	13	37
12/ 11		.2																2	2	6	31
10/ 9		.2																2	2	5	26
8/ 7																				2	37
Element (X)	Σ X'		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

FEB
MONTH

PAGE 2

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]



1

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

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5 (OL A)

Q

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

YEARS

FF2

MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-77,82-84
YEARS

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 61			.2															1	1					
60/ 59		.2	.7															4	4					
58/ 57		.2	.9															5	5	2				
56/ 55		.9	.9			.2												9	9	6	2			
54/ 53		1.4	.2			.5												9	9	11	4			
52/ 51	.2	.9	.7	.7	.5	.5												15	15	6	15			
50/ 49		1.2	.7	.5	.7	1.2												18	18	8	8			
48/ 47		.5	.5	1.4	1.9	.2												19	19	8	6			
46/ 45		.5	.7	.2	1.6													13	13	10	4			
44/ 43		1.6	.7	1.4														16	16	9	2			
42/ 41		.9	2.3	.7	.2													18	18	25	9			
40/ 39		2.1	1.6	1.4	1.4													28	28	21	9			
38/ 37	.2	5.1	3.3	3.0														50	50	32	9			
36/ 35		2.3	4.4	1.2														34	34	31	20			
34/ 33		2.1	2.8	.2														22	22	38	22			
32/ 31		4.4	3.3	2.1														42	42	43	35			
30/ 29		2.3	3.5															25	25	35	29			
28/ 27		2.3	1.4															16	16	24	32			
26/ 25	.2	2.6	2.8															24	24	35	34			
24/ 23		1.6	.5															9	9	19	34			
22/ 21	.2	1.2	.5															8	8	16	23			
20/ 19		1.6	.2															8	8	4	32			
18/ 17		.9	.5															6	6	10	19			
16/ 15		.9																4	4	5	21			
14/ 13		.5																2	2	7	16			
12/ 11		.7																3	3	1	3			
10/ 9		1.9																8	8	6	8			
8/ 7	.2	1.6																8	8	10	3			
6/ 5		.2																1	1	3	5			
4/ 3	.2	.5																3	3	2	4			
2/ 1		.2																1	1	2	12			
0/ -1																					6			
-2/ -3																					2			
-4/ -5																					1			
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

724249 FT KNOX/GODMAN AAF KY

75-78,80,82-84

FEB

PAGE 1 0000-020
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po	
64/ 63			.2	.2														2	2			
62/ 61			.2	.2														2	2			
60/ 59			.9	.2	.2													6	6	1		
58/ 57		.5	1.6	.2			.2											11	11	4		
56/ 55		.5	.2				1.2											8	8	12		
54/ 53		.9	.7	.9		.5												13	13	5		
52/ 51		.7	1.2		1.2	.2												14	14	10	1	
50/ 49		.9	.2	.5	.7	.5												12	12	4		
48/ 47		1.4		1.4	2.3	1.2												27	27	12		
46/ 45		.2	.2	1.4	.5													10	10	11	1	
44/ 43		1.6	1.2	1.6	.2	.2												21	21	12		
42/ 41		1.6	3.2	.5	.5													25	25	21		
40/ 39	.2	1.6	2.5	2.1	.2													29	29	33	1	
38/ 37		2.5	4.2	5.1														51	51	33	1	
36/ 35		2.5	2.3	2.5	.5													34	34	22	1	
34/ 33		1.6	1.2	1.8														20	20	46	1	
32/ 31		4.2	4.2	1.8														44	44	36	4	
30/ 29		1.6	1.6															14	14	46	3	
28/ 27		2.5	.9															15	15	25	2	
26/ 25		1.6	2.5															18	18	23	3	
24/ 23		1.2	.9															9	9	20	2	
22/ 21		.7	1.2															8	8	6	4	
20/ 19		1.2	.2															6	6	9	2	
18/ 17		.7																3	3	8	1	
16/ 15		1.6																7	7	3	1	
14/ 13		1.4																6	6	8	1	
12/ 11		1.8																8	8	5		
10/ 9		1.8																8	8	12	1	
8/ 7																				4		
6/ 5		.5																2	2	1	1	
4/ 3																				1		
2/ 1																					1	
0/ -1																						
-2/ -3																						
Element (X)	Σ x ²		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 6-64 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GOOMAN AAF KY
STATION	STATION NAME

75-84

YEARS

JAN
MONTH

PAGE 2

ALL
HOURS (1 - 5 - T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4 / 3	.1	.9																63	63	81	138			
2 / 1	.2	.9																67	67	62	167			
0 / -1	.5	.2																45	45	60	107			
-2 / -3	.3	.2																30	30	37	105			
-4 / -5	.1	.1																18	18	21	81			
-6 / -7	.3	.1																20	20	22	79			
-8 / -9	.1																	5	5	6	51			
-10 / -11	.1																	5	5	5	59			
-12 / -13	.1																	5	5	5	16			
-14 / -15	.1																	4	4	4	18			
-16 / -17																					25			
-18 / -19																					16			
-20 / -21																					11			
-22 / -23																					15			
-24 / -25																					5			
-26 / -27																					2			
-28 / -29																					1			
TOTAL	S.145	.930	.211	.6	5.2	1.6	.4	.0										6274	6274	6274	6274			
																					6274		6274	

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L. S.)

[illegible]

USAFETAC FORM 6-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMAR

JAN
MONTH

PAGE 2 2100-230
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMAI

FEB
MONTH

PAGE 2 1500-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P.	
67 - 5																						
47 - 3																						
27 - 1																						
07 - -1																						
-27 - -3																						
-47 - -5																						
-67 - -7																						
TOTAL	17.0	25.0	24.0	12.7	9.1	4.0	3.2	3.2	1.7	.1								843	843	843	8	

PSYCHROMETRIC SUMMA

724247	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

FEB
MONTH

PAGE 1 1800-21
HOURS (L. S.)

[illegible]

PSYCHROMETRIC SUMMARY

75-24

YEARS

FEB
MONTH

PAGE 2 1800-20
HOURS (L. S. T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew		
2 / 1																							
0 / -1																							
-2 / -3																							
-4 / -5																							
-6 / -7																							
TOTAL	.420	.433	.521	.411	.7	4.6	4.1	3.1	.6	.1									798	798	798	7	

PSYCHROMETRIC SUMMARY

75-84

YEARS

F E 9
MONTH

PAGE 1 2100-230
HOURS (L. S. T.)

[illegible]

2.

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FE 3
MONTH

YEARS

FORM 1-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
PAGE 44

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

FEB
MONTH

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Pt.															
74/ 73											.0							2	2																
72/ 71										.0								5	5																
70/ 69						.1	.1	.0	.1	.1								17	17																
68/ 67					.0	.1	.0	.1	.2	.1								27	27																
66/ 65				.1	.1		.0	.2	.1	.0								27	27																
64/ 63		.0	.1	.2	.2	.1	.1	.3	.0	.0								60	60																
62/ 61		.1	.2	.2	.1	.2	.1	.2	.1	.0								58	58	1															
60/ 59		.1	.5	.2	.2	.3	.3	.2	.2									119	119	30															
58/ 57	.1	.5	.6	.1	.2	.4	.5	.2	.1									154	154	49															
56/ 55		.8	.5	.1	.2	.5	.4	.1	.0									157	157	99															
54/ 53		.9	.5	.3	.5	.4	.2	.1										164	164	129															
52/ 51	.0	.8	.5	.3	.6	.7	.2	.1										194	184	128															
50/ 49	.1	.6	.5	.4	.7	.4	.1	.0										159	159	152															
48/ 47	.0	.4	.5	.6	1.2	.4	.1											167	187	141															
46/ 45		.9	.5	1.1	.9	.2												213	213	185															
44/ 43		1.5	.9	1.2	.6	.4												264	264	207															
42/ 41		1.0	1.4	1.6	.7	.1												281	281	284															
40/ 39	.0	1.1	1.9	1.5	.8	.1												315	315	278															
38/ 37	.0	1.8	1.9	1.6	.7													354	354	310															
36/ 35	.1	2.0	2.2	1.4	.4													344	344	350															
34/ 33	.0	1.6	2.2	1.6	.1													314	314	417															
32/ 31		2.8	2.9	2.5	.1													476	476	349															
30/ 29	.0	2.2	3.2	.7														355	355	446															
28/ 27		2.5	2.1	.6														307	307	371															
26/ 25	.0	1.4	2.5	.3														242	242	455															
24/ 23	.0	.7	1.1	.1														111	111	272															
22/ 21	.0	.9	1.5	.1														143	143	213															
20/ 19	.1	1.6	1.6	.0														184	184	142															
18/ 17	.0	1.3	.9															125	125	179															
16/ 15	.0	1.3	.3															92	92	147															
14/ 13		1.2	.1															72	72	107															
12/ 11	.1	1.1	.0															68	68	74															
10/ 9	.0	.9	.0															3	53	84															
8/ 7	.0	.6																39	39	56															
Element (X)	Σ x'		Σ x		Σ		Σ ₂		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GUDMAN AAF KY
STATION	STATION NAME

75-84

YEARS

FEB
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY

75-77,83-84

MAR

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71							.2	.4										3	3		
68/ 67						.9	.6											7	7		
66/ 65					.4		.4	.2										5	5		
64/ 63				.6	.4	.2												6	6		
62/ 61			.5	1.3	.4	1.1												16	16		
60/ 59		1.5	.4	.2	.6	.2	.2											15	15	6	1
58/ 57		1.1	.9		.9	.2	.6											17	17	20	6
56/ 55		.6	.2	.4	1.1	.2	.9	.2										17	17	17	6
54/ 53		1.3		.6	.6	.2	.9											17	17	17	11
52/ 51	.2	.2	1.7	.4	.6	.4												17	17	12	19
50/ 49		.4	1.1	1.1	.4	.2												15	15	17	9
48/ 47		1.3	1.1	1.5	.4	1.1	.2											26	26	13	10
46/ 45		2.2	.4	.4	1.1	.4												21	21	22	15
44/ 43		1.9	2.2	1.5	1.1	.2												32	32	28	16
42/ 41		2.4	2.6	3.2	1.3													44	44	27	23
40/ 39		2.2	2.9	1.1	.4													30	30	30	21
38/ 37		3.7	2.2	1.3	.2													31	31	41	20
36/ 35		.4	3.7	1.3														25	25	42	33
34/ 33	.2	2.2	5.2	2.2														45	45	28	23
32/ 31		.9	4.5	.4														27	27	36	29
30/ 29		.2	1.9	.4														12	12	39	30
28/ 27	.2	.6	1.3															10	10	23	30
26/ 25	.4	.4	1.7															12	12	16	34
24/ 23		1.9	.4															11	11	9	15
22/ 21		.4	.2															3	3	18	38
20/ 19		.2																1	1	3	26
18/ 17																				1	15
16/ 15																					15
14/ 13																					14
12/ 11																					2
10/ 9																					4
TOTAL	1.1	25.4	35.1	18.1	10.1	5.4	4.1	.9										465	465	465	465
Element (X)	Σ x ²	Σ x	x̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	2224593	31359	67.4	15.382	465	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	917602	20002	43.0	11.104	465		15.2	2.0				93									
Wet Bulb	737735	17935	38.6	9.952	465		29.0					93									
Dew Point	546335	15021	32.3	11.476	465		50.4					93									

FORM 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724243 FT KNOX/GODMAN AAF KY

75-77,83-64

YEARS

MAF
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71							.2											1		1				
63/ 67				.2			.6											4		4				
66/ 65				.4	.2	.6												6		6				
64/ 63					1.3	.4												6		6				
62/ 61		.4	.6	.2	1.1	.2												12		12	2			
60/ 59		1.3	1.3	.4	.4													16		16	5			
58/ 57		.4	.9			.6												9		9	14			
56/ 55		1.3	.4	.4	.6													15		15	23			
54/ 53		2.6	.6	.4	.6	.4												22		22	16			
52/ 51		1.3	.4		.6	.6												14		14	18			
50/ 49		.9	1.1	.6		1.3												18		18	11			
48/ 47		.6	.6	1.7	1.1	.2												20		20	12			
46/ 45		1.5	.4	1.3	.9	.2												20		20	15			
44/ 43		1.1	1.3	.4	1.1													16		16	21			
42/ 41		2.6	2.4	1.1	1.1													33		33	22			
40/ 39		3.2	3.4	2.6	.2													44		44	29			
38/ 37	.2	1.7	3.4	1.5														32		32	35			
36/ 35		.9	5.8	1.5														38		38	37			
34/ 33		3.0	3.0	1.1														33		33	35			
32/ 31		1.7	5.6	1.3														40		40	50			
30/ 29		.4	2.4															13		13	30			
28/ 27		1.3	.6	.2														10		10	29			
26/ 25		.9	1.5															11		11	22			
24/ 23		1.7	.6															11		11	7			
22/ 21		2.4	.4															13		13	16			
20/ 19		.6	.2															4		4	12			
18/ 17																					4			
16/ 15																								
14/ 13																								
12/ 9																								
8/ 7																								
TOTAL	.231	.837	.615	.5	9.2	4.7	.9												465	465	465			

Element (X)	Z _X	Z _X	X	X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	238888	32696	70.3	13.9	465	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	857183	19273	41.4	11.2	465		20.4	1.0				93
Wet Bulb	708129	17487	37.6	10.4	465		34.0					93
Dew Point	542975	14897	32.0	11.9	465		52.8					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5 (OLA)

USAFETAC FORM 44

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

734240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

MAR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
68 / 67			.1															1	1															
66 / 65			.2															2	8															
64 / 63		.1			.6	.5	.1											14	14	1														
62 / 61		.2	.2		.6	.2												11	11	4	1													
60 / 59		.9	.8		.1													16	16	3	6													
58 / 57		1.6	.7	1.0	.1	.5												34	34	15	6													
56 / 55		1.1	.2	.6	.3	.6												25	25	33	12													
54 / 53	.1	.9	.8	.9	.3													27	27	28	27													
52 / 51	.1	1.7	.8	.6	.5	.5												30	30	22	13													
50 / 49	.2	.5	1.4	1.1	.2	.3												33	33	23	17													
48 / 47		2.3	.6	.5	.9													35	35	28	18													
46 / 45	.1	1.6	.9	1.0	.3	.1												36	36	47	31													
44 / 43	.2	1.6	1.1	1.4	.3													41	41	32	37													
42 / 41		2.2	1.8	.9	.5													47	47	41	26													
40 / 39		2.0	3.5	1.6	.3													66	66	49	36													
38 / 37	.3	2.6	3.5	1.5	.3													73	73	53	39													
36 / 35	.2	2.6	3.7	1.1														63	63	59	40													
34 / 33	.2	3.3	4.7	.6														77	77	85	38													
32 / 31		4.1	4.9	1.3														90	90	85	71													
30 / 29		1.1	2.7	.1														35	35	65	69													
28 / 27	.1	2.6	1.1	.1														35	35	65	73													
26 / 25	.1	1.0	.8															17	17	58	60													
24 / 23		.3	.7															9	9	15	23													
22 / 21		1.5	.6															18	18	12	53													
20 / 19		1.8	.1															17	17	18	64													
18 / 17		.3	.2															5	5	18	33													
16 / 15		.3	.1															4	4	4	17													
14 / 13		.1																1	1	4	27													
12 / 11		.2																2	2	1	11													
10 / 9		.2																2	2	2	12													
8 / 7		.3																3	3	4	4													
6 / 5		.1																1	1	2	1													
4 / 3	.1																	1	1	1	2													
2 / 1	.2																	2	2	2	3													
Element (X)	Σ X ²	Σ X	X	X	No. Obs.	Mean No. of Hours with Temperature																												
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																						
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

2

✓

YEARS

MAR
MONTH

PAGE 2

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

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

S (OLA)

FROM

USAFETAC

L

PSYCHROMETRIC SUMMARY

724242	FT KNOX/GOODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

MA 3
MONTH

PAGE 1 2900-1100
HOURS 10-5-7

[illegible]

PSYCHROMETRIC SUMMARY

144
MONTH

FACT 3

0906-1102
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

YEARS

MAJ
MONTH

PAGE 1 1200-1407
HOURS 10.5.10

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
82/ 91									.1		.1	.1						3	7															
80/ 79									.1	.3		.1						5	5															
72/ 77							.1	.1	.4		.1							7	7															
76/ 75					.1	.1	.1	.2	.8									12	10															
74/ 73				.1	.1		.1	.2	.4	.2	.1							12	12															
72/ 71			.3	.3		.7	1.1	.6	.3		.1							26	24															
73/ 69			.1	.1	.1	.4	.6	.5	.1			.1						20	20															
65/ 67			.1		.3	.2	.5	1.7		.4								24	24	4	1													
66/ 65			.1		.6	.4	.4	.5	.6									27	27	8	2													
64/ 63		.1	.2	.3	.4	.3	.6	.6	.3	.1								33	33	5	2													
62/ 61		.1	.5	.1	.3	.1	.4	.9	.2	.2								27	27	20	5													
50/ 59		.4	.5	.5	.2	.7	.4	.8	.2	.2								36	38	32	7													
52/ 57	.1	.3	.5	.5	.2	1.1	.6	.6	.5									43	43	40	3													
56/ 55	.1	.4	.5	.6	.5	1.2	.8	.4	.2									47	47	34	17													
54/ 53		.4	.3	.6	1.1	.4	1.3	.3										49	49	35	16													
52/ 51		.1	.3	.6	.3	.4	.4											29	29	28	35													
50/ 49		.3	1.1	.4	.6	1.7	.6											50	50	56	36													
46/ 47		1.5	1.4	.5	1.1	1.1	.1	.1										56	56	52	25													
46/ 45		.2	1.5	1.3	1.2	1.2	.2	.1										58	58	62	40													
44/ 43		.5	1.1	1.3	.9	1.4	.1											48	48	55	36													
42/ 41		.6	.8	1.7	1.2	.3	.1											46	45	64	47													
40/ 39		.5	1.7	1.2	1.6	.0												55	55	56	47													
37/ 37		1.4	2.2	1.3	1.1	.7												57	57	52	43													
35/ 35		1.7	1.7	1.6	.5													52	52	55	45													
34/ 33		1.5	1.1	2.2	.3													42	42	75	38													
32/ 31		.8	1.3	.6														25	25	61	71													
30/ 29		.1	.5	.3														9	9	49	65													
28/ 27		.3	.2	.2														7	7	29	51													
26/ 25		.3	.4	.1														8	8	12	66													
24/ 23			.4															4	4	6	20													
22/ 21			.1															1	1	8	35													
20/ 19		.1	.2															3	3	4	67													
18/ 17			.1															1	1	2	35													
16/ 15		.2	.1															3	3	1	14													
Element (X)	Σ X'	Σ X				X̄		s _x		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 2

0926-1100
HOURS (U.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
14 / 13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

PSYCHROMETRIC SUMMARY

75-84

YEARS

ADQ
MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

75-84

AD =

MONTH

PAGE 1

0600-0900
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69				.1		.5	.1											0	6					
68/ 67				.4	.4	.2	.1	.1										15	15					
66/ 65			.2	.8	.5	.4			.1									17	17					
64/ 63		.7	.4	.8	.5	.7	.1	.2										29	29	4				
62/ 61	.2	2.1	.9	1.1	1.5	.4	.1											34	34	18	6			
60/ 59		2.2	1.6	.5	.7	.6	.4	.1										50	50	42	17			
58/ 57		.9	1.5	.9	.7	.5	.1											40	40	41	38			
56/ 55		.7	1.3	.9	1.1	.9	.1											43	43	42	18			
54/ 53	.1	1.3	1.2	.6	1.2	.5												42	42	34	35			
52/ 51		.7	1.5	.6	1.5	.4												40	40	49	31			
50/ 49		1.3	2.5	2.7	1.5	.2												66	66	33	31			
48/ 47	.2	1.8	2.7	3.2	1.1													76	76	51	34			
46/ 45		1.4	2.5	2.2	1.2	.1												63	63	58	49			
44/ 43	.2	1.5	2.3	2.6	.7	.1												6	66	80	36			
42/ 41	.2	1.6	2.6	1.5	.4													4	54	78	49			
40/ 39	.1	1.1	3.7	1.3														47	47	59	48			
38/ 37	.2	2.2	2.1	.9														47	47	81	74			
36/ 35		1.3	1.5	1.2														34	39	58	77			
34/ 33	.1	.5	1.5	.7														25	25	46	53			
32/ 31	.1	.6	1.1	.6														20	20	22	74			
30/ 29			.7	.2														8	8	24	46			
28/ 27			.6															2	5	16	43			
26/ 25			.5															1	7	11	31			
24/ 23			.1															1	1	6	11			
22/ 21			.1															1	1	1	13			
20/ 19																				1	14			
18/ 17																					13			
16/ 15																					5			
14/ 13																					4			
12/ 11																					2			
10/ 9																					1			
8/ 7																					2			
TOTAL	1.622	1.131	.924	.013	.2	5.5	1.1	.5	.1									855	855	855	655			
Element (X)	Σ x ²	Σ x	x	x ²	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	4362770	59295	70.1	13.983	855	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb	2087245	41417	48.4	9.737	855		3.9	2.2				97												
Wet Bulb	1723893	37577	43.9	9.207	855		8.5					90												
Dew Point	1378030	33060	38.7	10.805	855		27.3					97												

PSYCHROMETRIC SUMMARY

ADD
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
70/ 69						1.5												7	7							
68/ 67					.2	.5												4	4							
66/ 65		.6		.9	.2	.7												5	5							
64/ 63		.9	.9	.9	.9	.6	.4											21	21	3	3					
62/ 61		1.5	2.1	1.1	2.6	1.1	.2											40	40	7	1					
60/ 59		1.1	1.9	2.1	1.3	.6	.2											34	34	20	7					
58/ 57		.6	.2	1.7	1.1	1.1												22	22	24	15					
56/ 55		.4	1.3		.2	.4												11	11	21	14					
54/ 53		.6	1.1	.6	.2		.2											13	13	27	19					
52/ 51		1.3	1.7	.4	1.1	.2												22	22	26	23					
50/ 49		.6	2.1	1.5	2.8	.5												36	36	21	14					
48/ 47		2.6	2.4	2.6	1.5													43	43	22	25					
46/ 45		.9	1.1	1.7	1.1	.5												25	25	27	29					
44/ 43		2.9	2.1	1.1	.2	.2												30	30	33	20					
42/ 41		1.7	3.2	1.1														26	28	45	32					
40/ 39		1.9	2.8	1.1	.4													29	29	34	24					
38/ 37		1.5	2.1	1.7														25	25	32	28					
36/ 35		1.5	3.9	1.5														22	32	27	34					
34/ 33	.2	.9	2.1	1.1														20	20	25	26					
32/ 31		.2	1.3	.4														9	9	30	40					
30/ 29			.5															4	4	16	22					
28/ 27			.4															2	2	6	22					
26/ 25																				7	22					
24/ 23																				1	7					
22/ 21																					16					
20/ 19																					11					
18/ 17																					7					
16/ 15																					3					
14/ 13																					2					
TOTAL		.221	.733	.721	.713	.7	.7	.9	1.1										456	456	466					

Element (X)	Σ x ¹	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2321441	32307	69.3	13.251	466							
Dry Bulb	1149043	22647	48.6	10.205	466		2.9	2.1				90
Wet Bulb	944051	20503	44.0	9.500	466			12.0				90
Dew Point	749011	17975	38.6	10.941	466			29.4				90

PSYCHROMETRIC SUMMARY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-77, 83-84

YEARS

APR
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
72/ 71				.2			.4											3	3						
70/ 69				.2		1.3	.2											9	9						
68/ 67			.4	.4	.4	1.6	.4											15	15						
66/ 65				1.1	1.1	2.7	.7	.2										26	26	4					
64/ 63		1.1	1.1	.7	.9	2.0	1.1											31	31	1	2				
62/ 61		1.8	2.0	.7	.2	1.1	.4											28	28	11	3				
60/ 59		.2	.7	1.1	1.1		.4	.2										17	17	32	13				
58/ 57		.9	.7	.7	.9	1.1		.2										20	20	22	11				
56/ 55		.2	.9	.4	.2	.4	.4											12	12	26	14				
54/ 53			.9	1.3	1.1	1.3												21	21	24	16				
52/ 51		1.1	.7	.4	3.6	1.1												32	32	22	14				
50/ 49		.9	1.8	2.7	2.4	.7												36	38	17	19				
48/ 47		2.9	1.3	1.6	.2	.7												31	31	21	35				
46/ 45		.9	1.1	1.8	.9	.2												22	22	40	19				
44/ 43		2.2	2.7	1.8	.7	.2												34	34	44	25				
42/ 41		2.0	2.4	2.4	1.3													37	37	37	25				
40/ 39		.4	2.2	2.7	1.1													22	32	31	22				
38/ 37		.4	1.3	2.2														18	18	34	32				
36/ 35		.2	1.1	.9														10	10	23	42				
34/ 33		.2	1.1	.9														10	10	31	23				
32/ 31			.4	.2														3	3	17	35				
30/ 29			.2															1	1	5	19				
28/ 27																				5	19				
26/ 25																				1	19				
24/ 23																					15				
22/ 21																					17				
20/ 19																					9				
18/ 17																					3				
TOTAL	15.6	24.2	24.4	16.2	14.7	4.2	.7											450	450	450	450				

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1986528	29212	64.9	14.175	450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1218139	22977	51.1	10.004	450		.8	5.4				90
Wet Bulb	966141	20447	45.4	9.087	450		5.6					90
Dew Point	738673	17591	39.1	10.660	450		27.0					90

PSYCHROMETRIC SUMMARY

MAZ
MONTH

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMAR

75-84

YEARS

MAR
MONTH

PAGE 1

ALL
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Poi														
90 / 85													.0					1	1															
84 / 83												.0						1	1															
82 / 81										.0	.0	.0	.0					10	10															
80 / 79									.0	.1	.0	.0	.0					14	14															
78 / 77							.0	.1	.1	.0	.0							20	20															
76 / 75					.0	.0	.1	.1	.2	.1	.1	.0						35	35															
74 / 73				.0	.0	.1	.1	.2	.2	.1	.0							48	48															
72 / 71			.0	.0	.0	.1	.3	.3	.1	.0	.1	.0						68	68															
70 / 69		.0	.0	.1	.1	.3	.3	.5	.1	.1	.0	.0						96	96	1														
68 / 67			.1	.1	.2	.3	.5	.3	.3	.1								121	121	9														
66 / 65		.1	.1	.1	.4	.4	.3	.3	.3	.1								130	130	13														
64 / 63		.1	.2	.3	.4	.4	.4	.4	.3	.1								165	165	46														
62 / 61		.2	.4	.4	.4	.5	.2	.4	.2	.2								179	179	62	1													
60 / 59	.0	.7	.7	.3	.3	.4	.4	.4	.1	.0								217	217	137	3													
58 / 57	.1	.7	.6	.4	.5	.8	.5	.3	.2									257	257	222	6													
56 / 55	.0	.8	.4	.6	.7	.6	.6	.3	.1									259	259	252	11													
54 / 53	.0	.8	.5	.7	.8	.6	.8	.2	.0									296	286	221	14													
52 / 51	.0	.6	.8	.5	.8	.7	.6	.1	.0									255	255	213	17													
50 / 49	.1	.8	1.2	.8	.5	.9	.3	.0										292	292	264	17													
48 / 47		1.2	.8	.8	1.1	.7	.3	.1										315	315	296	15													
46 / 45	.0	1.3	.9	1.3	1.2	.9	.2	.0										355	355	360	24													
44 / 43	.0	1.3	1.5	1.4	1.0	.9	.1											393	383	358	23													
42 / 41		1.3	1.8	1.8	1.1	.3	.0											398	398	372	29													
40 / 39	.0	1.2	2.7	1.3	1.1	.3												412	412	430	25													
38 / 37	.1	1.5	2.1	1.6	.6	.1												374	374	445	28													
36 / 35	.0	1.5	2.5	1.7	.3													376	376	472	34													
34 / 33	.1	2.1	2.5	1.2	.2													381	381	465	31													
32 / 31		1.4	2.7	1.0	.2													330	330	481	49													
30 / 29	.1	.4	1.4	.3														140	140	388	45													
28 / 27	.0	.8	.8	.1														115	115	268	42													
26 / 25	.0	.5	.8	.0														84	84	206	40													
24 / 23		.4	.4															46	46	100	17													
22 / 21		.4	.2															43	43	78	32													
20 / 19		.4	.1	.0														37	37	46	44													
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total											
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

MAR
MONTH

PAGE 2 2100-2301
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMAR

YEARS

MAP
MONTH

PAGE 1 2100-230
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY
STATION

75-84

YEARS

MAR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	31	Dry Bulb	Wet Bulb	Dew Point					
12/ 11																									
10/ 9																									
8/ 7																									
6/ 5																									
0/ -1																									
TOTAL	.7	14.4	19.6	17.1	14.2	11.1	9.9	8.1	2.8	1.3	.5	.2	.1						879	879					
																			879	879					

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3127990	49776	56.6	18.768	879	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2205409	42728	48.6	12.093	879		7.5	7.4	2.5	.2		9.1
Wet Bulb	1605571	36539	41.6	9.936	879		17.9					9.1
Dew Point	1049966	28502	32.4	11.969	879	.3	50.6					9.1

USAFETAC FORM 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMA

YEARS

MAR
MONTH

PAGE 1 1800-21
HOURS (L. S.)

[illegible]

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

MA:
MONTH

PAGE 2 1500-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P.														
19 / 17		.2																	2	7	1														
16 / 15																					5														
14 / 13																																			
12 / 11																																			
10 / 9																																			
8 / 7																																			
6 / 5																																			
4 / 3																																			
-2 / -3																																			
-4 / -5																																			
TOTAL	.210	.816	.314	.713	.112	.711	.0	9.0	7.1	3.7	1.1	.5	.4					930	930	930															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

724240 FT KNOX/GODMAN AAF KY

75-84

MAR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew															
86/ 85													.1																			1	1			
84/ 83												.1																				1	1			
82/ 81											.2	.2	.3																		7	7				
80/ 79									.2	.4																						6	6			
78/ 77							.2	.3	.5	.2																						12	12			
76/ 75					.2		.2	.1	.1	.3	.4																					13	13			
74/ 73				.2		.3	.1	.5	.6	.5																						22	22			
72/ 71					.1	.1	.3	.5	.4		.3	.2																				19	19			
70/ 69				.2	.3	.4	.5	.8	.8	.3	.1																					32	32	1		
68/ 67			.3	.2	.2	.5	.9	.8	1.0																							36	36	3		
66/ 65			.1	.3	.3	.2	.2	.9	.8	.3																						26	26	3		
64/ 63			.6	.5	.2		.4	1.3	.8	.9																						44	44	23		
62/ 61			.1	.5	.2	.3	.2	.8	.5	.6																						31	31	16		
60/ 59		.1	.5	.1	.3	.2	.5	.8	.4																							29	29	35		
58/ 57	.2	.3	.6	.1	.4	1.0	.8	.5	.3																							40	40	35		
56/ 55		.9	.3	.4	.6	.5	1.1	.6	.3																							45	45	42		
54/ 53		.6	.2	1.0	.8	1.4	.9	.4	.2																							51	51	39		
52/ 51		.1	.4	.5	.8	.5	2.2	.3	.1																							46	46	46		
50/ 49		.8	.9	.9	.8	.9	.8	.2																								47	47	39		
48/ 47		.6	.5	1.1	1.9	.5	1.1	.2																								56	56	56		
46/ 45		1.1	1.5	1.4	1.7	1.3	.3																									68	68	59		
44/ 43		.4	1.6	.4	.6	1.7	.3																									48	48	66		
42/ 41		.4	.6	1.8	.8	1.0																										43	43	69		
40/ 39		.6	1.9	.6	1.8	.8																										54	54	71		
38/ 37		1.0	.6	1.2	.3	.3																										32	32	61		
36/ 35		1.2	1.8	1.2	.3																											42	42	63		
34/ 33		1.2	1.1	1.0																												30	30	59		
32/ 31		.5	.9	.5	.3																											21	21	53		
30/ 29		.1	.4	.3																												8	8	39		
28/ 27		.1	.3	.1																												5	5	18		
26/ 25		.3	.6																													9	9	12		
24/ 23																																			11	
22/ 21																																			5	
20/ 19	.1		.3																													4	4			
Element (X)	Σ X ²					Σ X					Σ					Σ					Σ					Σ										
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 15 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

M43

PAGE 2 1200-14
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew	
14/ 13		.1																	1	1	3	
12/ 11																					2	
10/ 9																						
5/ 7																						
0/ 5																						
4/ 3																						
-2/ -3																						
-4/ -5																						
TOTAL	.3	13.12	.5	17.1	12.8	13.3	8.9	7.1	4.5	1.5	.4	.3							930	930	930	

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3272257	52493	56.4	18.248	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2433843	46019	49.5	12.987	930		6.2	11.1	3.9	.7		
Wet Bulb	1767030	39314	42.3	10.637	930		17.9	.4				
Dew Point	1172685	30889	33.2	12.568	930	.3	48.0	.1				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMM

124240 FT KNOX/GODMAN AAF KY

75-84

AF
MON

STATION

STATION NAME

YEARS

PAGE 1 1200-
HOURS (L)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb																	
96/ 95											.1	.1																									
94/ 93									.1		.1	.4																									
92/ 91								.3	.7	.8	1.4	.6																									
90/ 79							.2	.8	.8	.8	.8		.1																								
78/ 77						.3	.4	.6	.8	1.0			.2																								
76/ 75					.2	.3	.6	.2	.3	.9	.2	.2																									
74/ 73						.4	.3	.4	.6	.4			.4																								
72/ 71				.3	.2	.7	1.1	.4	.4	.6	.3	.1																									
70/ 69			.1	1.0	.9	.8	.2	.8	.2	.7	.2																										
68/ 67			.3	.7	1.1	.1	.8	.8	.6	1.0	.7																										
66/ 65		.3	.6	.7	.3	.7	1.0	1.2	.9	.4	.1																										
64/ 63		.2	.7	.7	.6	.4	.9	.6	1.1	.3	.1																										
62/ 61		.4	.7	.1	.9	.9	.8	.8	1.1																												
60/ 59		.8	.3	.3	.6	.5	2.4	1.6	.4																												
58/ 57		.6	.3	.1	1.4	1.4	1.6	.3	.1																												
56/ 55		.8	1.2	.6	.8	1.2	1.2	.7	.1																												
54/ 53		.6	.7	.8	1.4	1.6	.9	.4																													
52/ 51		.8	.7	.7	.6	1.6	1.2	.2																													
50/ 49		.6	.4	.6	.8	.8	.8																														
48/ 47		.9	.9	1.0	.9	.7	.4																														
46/ 45		.4	.4	1.1	.3	.1	.2																														
44/ 43		.2	1.1	.6	.3	.4	.1																														
42/ 41		.1	.4	.8	.4	.4																															
40/ 39			.3	.2	.2	.1																															
38/ 37		.3	.2		.2	.1																															
36/ 35		.3			.1																																
34/ 33				.3																																	
32/ 31																																					
30/ 29																																					
28/ 27																																					
26/ 25																																					
24/ 23																																					
22/ 21																																					
20/ 19																																					
Element (X)	Σ x ²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F																
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 124240 JAN 64 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

APR
MONTH

PAGE 3 1200-14

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 1 15CO-17
HOURS 11.5.7

[illegible]

PSYCHROMETRIC SUMMA

75-84

YEARS

422

MONTH

PAGE 2 1500-1
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb Dew			
18 / 17																							
16 / 15																							
14 / 13																							
12 / 11																							
8 / 7																							
TOTAL	.4	5.6	9.7	9.3	9.8	10.5	13.3	12.5	11.0	7.9	5.0	4.5	.6					897	897	897			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

704240 FT KNOX/GODMAN AAF KY

75-64

APR
MONTH

PAGE 1 1800-20
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew I																
84 / 83												.1																				1	1			
82 / 81											.1	.1	.2	.1																	5	5				
80 / 79									.1	.4	1.1	.2	.2																		17	17				
78 / 77							.1	.2	.4	.5	.9	.1																			19	19				
76 / 75					.2	.4	.5	.8	1.1	.9	.1	.1																			35	35				
74 / 73				.1		.3	.4	.7	.7	.5	.2	.1																			28	28				
72 / 71				.1	.1	.2	.6	.8	.7	.6	.1																				28	28				
70 / 69				.2	.2	.5	.5	1.5	.4	.6	.2																				40	40				
68 / 67			.5	1.1	.5	.4	1.2	.8	.9	.9	.1																				54	54	7			
66 / 65	.1	1.5	1.1	.7	.8	.9	.6	.7	.6	.1																					62	62	9			
64 / 63	.5	.6	.8	.3	.4	1.1	1.2	.8																							49	49	33			
62 / 61	.9	.8	.1	.6	.6	1.2	1.1	.9	.1																						54	54	64			
60 / 59	.1	.7	.6	.7	1.2	2.2	1.6	.6																							66	66	65			
58 / 57		.7	.5	.5	1.2	1.3	1.4	.4																							56	56	49			
56 / 55	.5	.4	.5	1.1	1.3	1.5	.6																								49	49	50			
54 / 53	.5	.8	.7	1.5	1.5	1.2	.8																								60	60	49			
52 / 51	1.3	.7	1.1	1.1	1.3	.7	.1																								53	53	50			
50 / 49	.7	1.2	1.2	1.2	.3	.2	.2																								47	47	77			
48 / 47	.7	.5	.8	.2	.7	.2																									27	27	86			
46 / 45	1.1	1.5	.7	.1	.4	.1																									23	33	87			
44 / 43	.2	1.5	.5	.4	.4																										25	25	68			
42 / 41	.4	.2	.4	.2	.4																										13	13	54			
40 / 39	.4	.6	.1	.2	.2																										13	13	39			
38 / 37	.5	.4		.5																											11	11	21			
36 / 35		.4	.1	.1																											5	5	20			
34 / 33			.1																												1	1	8			
32 / 31			.1																												1	1	7			
30 / 29																																	7			
28 / 27																																	1			
26 / 25																																	1			
24 / 23																																				
22 / 21																																				
20 / 19																																				
18 / 17																																				
Element (X)	Σx^2					Σx					$\bar{x}$					σ^2					No. Obs.					Mean No. of Hours with Temperature					Total					
Rel. Hum.																										≤ 0 F					≤ 32 F					
Dry Bulb																										≥ 67 F					≥ 73 F					
Wet Bulb																										≥ 80 F					≥ 93 F					
Dew Point																																				

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

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

APR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMAR

75-84

APR
MONTH

PAGE 1 2100-230
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Poi												
75 / 77								.1										1	1													
76 / 75							.1	.1										2	2													
74 / 73							.1	.1	.5									6	6													
72 / 71				.3	.4	.4	1.2	.3	.1									20	20													
70 / 69			.3	.1	.3	.6	1.4	.5	.4									28	28													
68 / 67			.1	.0	.3	1.0	1.5	.5	.6									38	38													
66 / 65			1.2	1.2	.4	1.0	.8	.6	.3	.1								43	43	6												
64 / 63		.6	1.4	1.2	.5	1.2	.6	.9										50	50	12												
62 / 61	1.4	1.4	.6	.5	1.0	.8	.3	.1										54	54	36												
60 / 59	.2	.6	.5	.6	.5	.9	.5											35	35	43												
58 / 57	.5	1.0	.6	1.3	1.3	1.5	.8											55	55	50												
56 / 55	.3	.5	.9	1.4	1.7	2.1	.1											54	54	47												
54 / 53	.4	.5	1.0	2.3	2.2	1.4												51	61	47												
52 / 51	.8	2.1	.5	1.5	1.2	.8	.1											54	54	36												
50 / 49	.6	1.8	1.0	1.3	1.0	.1												46	46	53												
48 / 47	1.2	1.8	1.8	1.8	1.0	.3												61	61	63												
46 / 45	1.3	1.0	1.3	.8	1.3													44	44	78												
44 / 43	1.0	2.1	1.4	.6	.7													42	42	86												
42 / 41	1.0	.9	.6	.8	.1													27	27	51												
40 / 39	.8	.9	.6	.3	.1													21	21	59												
38 / 37		.5	.9	.8														17	17	44												
36 / 35	.3	.3	.3	.1														7	7	23												
34 / 33		.5	.4															7	7	13												
32 / 31			.1															1	1	14												
30 / 29		.3																2	2	11												
28 / 27																				1												
26 / 25																				2												
24 / 23																				1												
22 / 21																				1												
20 / 19																				1												
18 / 17																																
16 / 15																																
14 / 13																																

Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

PSYCHROMETRIC SUMMARY

75-84

YEARS

APR
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

724240
STATION

FI KNOX/GODMAN AAF KY
STATION NAME

75-84

YEARS

APR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
85/ 85											.0	.0						3	3					
84/ 83									.1	.0	.1	.3						29	29					
82/ 81								.1	.2	.2	.5	.2	.0					77	77					
80/ 79							.1	.2	.3	.4	.3	.1	.1					90	90					
78/ 77						.1	.2	.2	.3	.5	.1	.0	.0					87	87					
76/ 75					.1	.2	.3	.2	.4	.5	.1	.2						121	121					
74/ 73				.0	.0	.3	.2	.4	.3	.2	.1	.2						94	94					
72/ 71			.0	.2	.3	.3	.5	.3	.4	.2	.1	.0						140	140					
70/ 69			.1	.4	.6	.8	.5	.5	.3	.3	.2	.0						229	229		1			
68/ 67			.3	.6	.7	.7	.8	.6	.6	.5	.1							303	303	44				
66/ 65		.1	.7	.9	.5	.8	.6	.5	.5	.3	.0							298	298	83	2			
64/ 63		.6	.7	.8	.5	.8	.7	.6	.5	.1	.0							330	330	196	24			
62/ 61	.0	1.2	1.0	.5	.9	.9	.7	.8	.6	.0								397	397	326	71			
60/ 59	.0	.9	.8	.7	.7	.6	1.3	.8	.2	.0								374	374	396	207			
58/ 57	.0	.6	.7	.6	.9	1.0	.9	.6	.1									336	336	332	228			
56/ 55	.0	.5	.9	.7	.9	1.3	1.2	.3	.0									349	349	328	225			
54/ 53	.0	.7	.8	.9	1.5	1.2	.9	.4	.0									386	386	352	216			
52/ 51		1.0	1.2	.7	1.4	.9	.5	.1										354	354	373	223			
50/ 49	.0	.7	1.4	1.4	1.5	.7	.2	.1										360	360	400	290			
48/ 47	.0	1.3	1.3	1.7	1.0	.6	.1											368	368	487	332			
46/ 45		.9	1.2	1.3	.7	.4	.1											279	279	528	337			
44/ 43	.0	.9	1.8	1.2	.4	.4	.0											288	288	519	367			
42/ 41	.0	.8	1.3	.9	.4	.2	.0											221	221	429	339			
40/ 39	.0	.5	1.3	.7	.3	.1												184	184	349	288			
38/ 37	.0	.7	.8	.6	.3	.0												153	153	296	416			
36/ 35		.5	.7	.5	.1													106	106	216	509			
34/ 33	.0	.2	.5	.4														70	70	169	360			
32/ 31	.0	.1	.3	.2	.0													42	42	112	478			
30/ 29			.2	.0														17	17	81	304			
28/ 27			.1															7	7	41	229			
26/ 25			.0															2	2	29	196			
24/ 23			.0															1	1	7	94			
22/ 21			.0															1	1	1	119			
20/ 19																					93			
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

75-84

YEARS

APR
MONTH

PAGE 2

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
18 / 17																						57	
16 / 15																						48	
14 / 13																						24	
12 / 11																						12	
10 / 9																						2	
8 / 7																						3	
6 / 5																						1	
4 / 3																						2	
TOTAL	.412	.113	.316	.513	.712	.3	9.9	6.7	4.8	3.3	1.6	1.0	.1						6096		6096	6096	
																			6096		6096		

2.

✓

MAY
MONTH

0000-320
MURS 11 5 21

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

YEARS

 MAY
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
74/ 73				.2														1	1													
70/ 71			1.2	1.2	.5													11	11													
70/ 69			1.2	1.5	.2	.7												18	18													
66/ 67		.5	1.2	1.0	.5													23	23	2												
66/ 65		.5	4.3	3.5														50	50	21	2											
64/ 63	.2	1.3	5.3	2.2		.2	.7											59	59	27	17											
62/ 61		3.0	3.5	2.3	.5	.2	.2											56	58	58	30											
60/ 59	.2	2.5	3.7	1.3	.2	.5	.2											51	51	71	49											
58/ 57		2.2	2.3	1.7	.7	.3	.2											44	44	48	70											
56/ 55		2.7	2.2	2.5	1.2	.3												52	52	52	47											
54/ 53		2.5	1.7	1.7	.8													36	36	33	46											
52/ 51	.3	1.2	3.5	1.2	.7	.2												42	42	43	39											
50/ 49		1.6	3.5	1.7	.2	.2												44	44	44	25											
48/ 47		1.6	1.5	1.2	.5													30	30	50	55											
46/ 45		1.2	2.3	1.5	.3													32	32	41	38											
44/ 43		.8	2.2	.6														22	22	27	34											
42/ 41			.7	.2														5	5	26	34											
40/ 39	.2	.8	1.3															14	14	24	38											
38/ 37		.5	.2															4	4	18	24											
36/ 35		.5	.5															6	6	8	27											
34/ 33																				6	18											
32/ 31																				1	21											
30/ 29																					6											
28/ 27																					3											
26/ 25																					3											
TOTAL		.823	.841	.424	.8	6.1	2.2	1.2											602	602		612										

Element (X)	Σ X ²	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3610035	46129	76.60	1.197	602	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1952808	33932	56.4	8.180	602			8.2	.2			93
Wet Bulb	1693607	31559	52.4	8.073	602			.3				93
Dew Point	1491889	29439	48.9	9.325	602			5.1				93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

734240 FT KNOX/GODMAN AAF KY
STATION STATION NAME

75-84

YEARS

MAY
MONTH

PAGE 1 0606-0800
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
75/ 77					.1													1													1				
76/ 75					.3													3													3				
74/ 73		.1			.2	.1												4													4				
72/ 71			.2	1.0	.2	.2												20													20	1			
70/ 69		.1	1.1	3.1	.5	.2		.1										45													45	3	1		
68/ 67		1.4	1.2	2.3	.7	.1												56													56	13	3		
66/ 65		1.4	4.1	2.0	.2	.1	.2											71													71	38	15		
64/ 63	.2	2.5	3.3	2.3	1.0	.3	.1											86													86	76	31		
62/ 61	.2	3.4	2.9	1.5	1.0													80													80	93	66		
60/ 59	.1	3.3	2.7	1.9	.8	.2	.1											81													81	89	93		
58/ 57	.2	1.2	2.0	2.1	1.1	.2	.1											69													69	70	81		
56/ 55		1.6	1.7	1.8	1.0	.3												57													57	61	67		
54/ 53	.1	1.2	2.3	1.9	.7													60													60	60	45		
52/ 51	.5	1.2	2.5	1.7	.3													56													56	55	52		
50/ 49		2.0	2.1	1.5	.9													58													58	68	46		
48/ 47		1.5	1.3	.9	.3													41													41	75	57		
46/ 45		1.5	1.6	1.6	.2													43													43	50	60		
44/ 43		.9	.7	.6	.3													22													22	52	48		
42/ 41		.3	1.1	.2														14													14	33	62		
40/ 39	.1	.3	.5															6													6	9	22	46	
38/ 37		.2	.1															3													3	3	21	37	
36/ 35		.1	.3															4													4	4	5	45	
34/ 33		.1	.1															2													2	2	6	19	
32/ 31																																		1	22
30/ 29																																			7
28/ 27																																			5
26/ 25																																			3
TOTAL	1.5	24.4	34.4	26.4	10.1	2.6	.6	.1										684													684	884	884		

Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5274237	67481	76.3	11.803	884	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2907971	50969	57.7	8.191	884			13.6	.8			93
Wet Bulb	2596115	47369	53.6	8.094	884		.1	1.8				93
Dew Point	2290528	44226	50.0	9.394	884		3.9	.4				93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5 (OL A)

FORM 44

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY
STATION STATION NAME

75-84
YEARS

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point			
94/ 93								.1	.3	.2	.1							7	7				
92/ 91							.1	.6	.4	.3								13	13				
90/ 89							.4	.9	.3	.1	.3							19	19				
88/ 87						.3	2.1	1.9	1.4	1.0								60	60				
86/ 85					.4	1.6	2.8	2.0	2.1	1.0	.3	.1						93	93				
84/ 83			.3	.6	.4	2.2	2.4	3.3	1.6	1.4	.1							114	114				
82/ 81			.3	.4	1.9	2.3	2.9	1.2	2.1	.3	.1							105	105				
80/ 79		.1	.4	.6	2.2	2.4	.9	1.4	1.7	.9	.2							98	98	10			
78/ 77		.1	.4	.4	2.0	.6	2.0	2.4	1.1	.3								91	91	32	6		
76/ 75			.7	1.1	1.0	.9	1.4	1.0	.9	.6								68	68	68	12		
74/ 73		.3	1.6	2.0	.4	.7	1.4	1.1	.4									72	72	124	26		
72/ 71		.3	.4	.8		1.4	1.2	1.0										53	53	116	49		
70/ 69	.2	.4	.3	.6	.2	.7	.5	1.1										35	35	130	106		
68/ 67	.1	.6	.4		.2	1.7	.2	.2	.2	.1								28	28	76	114		
66/ 65		.4	1.1	.4		.1		.2	.1									24	24	106	78		
64/ 63		.7	.7		.1			.1										14	14	67	88		
62/ 61		.1																1	1	71	82		
60/ 59		.3	.2															5	5	53	69		
58/ 57																				29	56		
56/ 55																				9	76		
54/ 53																				2	42		
52/ 51																				6	32		
50/ 49																				1	24		
48/ 47																							
46/ 45																					16		
44/ 43																					7		
42/ 41																					7		
40/ 39																					1		
38/ 37																					2		
36/ 35																					2		
34/ 33																					1		
32/ 31																					1		
TOTAL	.7	3.4	7.7	7.6	9.2	14.4	19.0	18.6	12.8	6.3	1.2	.1						920	920	900	900		
Element (X)	Σx^1	Σx	$\bar{x}$	σ_x	No. Obs.		Mean No. of Hours with Temperature						Total										
Rel. Hum.	3167966	1740	57.5	14.671	900		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total										
Dry Bulb	5649332	71056	79.0	6.618	900				85.6	74.0	46.5	.7	90										
Wet Bulb	4209057	61336	68.2	5.673	900				55.6	23.4			50										
Dew Point	3505231	55729	61.0	7.782	900				.1	31.3	4.4		50										

USAFETAC FORM 0-20 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS PUBLICATION

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

224243 FT KNOX/GOODMAN AAF KY

75-84

JUN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
92/ 91							.1											1	1					
90/ 89						.1	.1	.1	.1									4	4					
88/ 87						.7	.7	.1	.1									10	10					
86/ 85					.1	.6	.9	.1		.1								16	16					
84/ 83				.3	1.1	1.6	1.6	1.0	.7	.1								57	57					
82/ 81		.3	.6	1.7	2.9	2.2	.8	.6	.2									83	83					
80/ 79			1.6	1.2	2.1	4.7	1.4	.7	.2									101	101	2				
78/ 77		.2	.6	1.3	3.6	2.6	1.2	.9	.2	.1								96	96	15	1			
76/ 75	.1	.3	1.3	1.9	3.1	1.8	1.4	.6	.1									96	96	51	15			
74/ 73		.9	1.3	2.3	1.9	2.6	1.7	.6										101	101	67	32			
72/ 71		1.3	2.7	2.0	1.9	1.2	.6	.4	.1									92	92	112	45			
70/ 69	.1	1.2	1.4	1.4	1.1	2.1	.6	.6										79	79	145	64			
68/ 67	.1	.7	.7	.6	2.0	.9	.1	.6										46	46	111	124			
66/ 65		.4	1.4	.6	1.6	.9	.1	.1										45	45	88	110			
64/ 63		1.1	.6	.6	.9	.3		.2										73	33	83	89			
62/ 61		1.6	.3	.2	.2	.1	.2											24	24	78	74			
60/ 59		.4	.2	.1	.3	.1	.1											12	12	66	73			
58/ 57		.2		.1														3	3	41	71			
56/ 55					.1													1	1	22	64			
54/ 53																				10	45			
52/ 51																					2			
50/ 49																					5			
48/ 47																					2			
46/ 45																								
44/ 43																								
42/ 41																								
40/ 39																								
38/ 37																								
36/ 35																								
TOTAL	.3	8.1	12.4	13.2	21.7	21.7	13.2	6.7	2.1	.6								900	900	900	900			
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.		Mean No. of Hours with Temperature						Total											
Rel. Hum.	4146245	59826	66.5	13.728	900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90											
Dry Bulb	5324419	66995	74.4	6.440	900				78.2	56.5	22.9		90											
Wet Bulb	4027952	59986	66.7	5.759	900				50.3	13.5			90											
Dew Point	3513684	55848	62.1	7.317	900				28.2	4.8			90											

USAFETAC FORM 6 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

YFARS

438
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
84/ 83					.1													1	1						
82/ 81				.1	.2													3	3						
80/ 79				.6	.2	.2												9	9						
78/ 77		.1	1.6	.9	.5	.1												28	22						
76/ 75		.5	.9	1.3	1.5	.3												39	39	5					
74/ 73	.1	.9	2.3	4.4	.7	.3												76	76	28	11				
72/ 71	.2	1.7	4.6	2.9	.9	.1												91	91	41	30				
70/ 69	.3	3.3	6.9	2.9	.6	.2												124	124	62	46				
68/ 67	.6	4.6	4.4	1.7	.9	.1	.2											109	109	140	66				
66/ 65	.2	2.2	3.9	1.5	.7	.3												77	77	121	112				
64/ 63	.2	3.2	2.3	2.2	.3	.3												75	75	94	115				
62/ 61		3.1	2.6	1.0	.8	.1												67	67	78	82				
60/ 59		2.8	2.2	1.3	.5	.2												60	60	68	85				
58/ 57		2.1	1.2	.9														36	36	71	66				
56/ 55		1.5	1.4	.6	.3													33	33	54	63				
54/ 53		1.2	.6	.3	.1													19	19	44	54				
52/ 51		.9	.6	.3														15	15	26	34				
50/ 49		.1	.2	.1	.1													5	5	17	35				
48/ 47			.1															1	1	12	24				
46/ 45																				4	15				
44/ 43																				3	11				
42/ 41																					7				
40/ 39																					3				
38/ 37																					1				
36/ 35																					2				
TOTAL	1.728	135.923	.2	8.5	2.5	.2												868	868	868	268				

PSYCHROMETRIC SUMMARY

75-84

YEARS

JUN
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GOLDMAN AAF KY
STATION	STATION NAME

75-78, 83-84

YEARS

JUN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
84/ 83					.4													2	7					
82/ 81				.4														2	2					
80/ 79				.4	.2													3	3					
78/ 77			.7	.4	.7													10	10					
76/ 75		.4	1.7	1.5	3.1	.4												38	39	5				
74/ 73		.4	2.2	5.7	.9	.6	.2											54	54	13	5			
72/ 71		.9	3.5	4.6	2.0	.2												61	61	13	15			
70/ 69	.4	2.2	7.8	4.3	3.3	.4												99	99	45	17			
68/ 67	.2	2.2	4.4	2.6	1.3													59	59	84	39			
66/ 65		2.4	6.5	2.6	1.1	.4												70	70	80	64			
64/ 63		1.3	2.6	1.7	.7	.2												35	35	86	73			
62/ 61		.7	3.7	1.7	.4	.2												32	32	64	67			
60/ 59		.7	2.2	2.4	.6													33	33	35	75			
58/ 57		.9	1.3	.7	.2													17	17	33	46			
56/ 55		.4	.9	.4														9	9	31	39			
54/ 53		.6	.6	.6														9	9	22	24			
52/ 51		.7		.2	.4													4	4	15	21			
50/ 49			.4	.2														3	3	5	23			
48/ 47																					15			
46/ 45																				3	6			
44/ 43																				2	4			
42/ 41																					4			
38/ 37																					3			
TOTAL	.613	.537	.830	.415	.4	2.2	.2											540	540	540				

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✓

YEARS

MAY
MONTH

ALL
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

PSYCHROMETRIC SUMMAR

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

MAY
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Po				
90/ 89									.0	.0								9	5					
88/ 87								.0	.1	.1	.1							22	22					
86/ 85							.0	.3	.4	.2	.1							59	59					
84/ 83					.0	.0	.4	.7	.7	.4	.1	.0						142	142					
82/ 81				.1	.1	.2	.6	1.0	.5	.3	.2	.0						180	180					
80/ 79			.0	.1	.1	.7	.7	.7	.3	.2	.2	.1						189	189					
78/ 77			.0	.2	.3	.9	.8	.5	.5	.4	.2	.0						247	247					
76/ 75			.0	.3	1.0	1.0	.7	.9	.5	.4	.1	.1						313	313	6				
74/ 73		.0	.2	.3	1.0	.0	.5	.6	.7	.4	.2							340	340	39				
72/ 71		.1	.5	1.2	1.1	.7	.8	.7	.7	.2	.0							375	375	109				
70/ 69		.2	1.0	1.8	1.2	.9	.6	.9	.6	.2								465	465	3				
68/ 67		.5	1.6	1.7	1.0	.7	.6	.7	.6	.1								472	472	8				
66/ 65	.0	.8	2.0	1.7	.6	.5	.8	.5	.3	.1								454	454	16				
64/ 63	.1	1.4	2.1	1.3	.6	.7	.9	.5	.3									438	488	36				
62/ 61	.0	1.7	1.5	1.3	.7	.7	.5	.6	.1									446	446	47				
60/ 59	.0	1.7	1.4	.9	.5	.7	.4	.3										367	367	60				
58/ 57	.0	1.1	.0	.9	1.0	.6	.3	.2	.0									318	319	56				
56/ 55		1.1	.9	1.0	.9	.4	.2	.0										287	287	44				
54/ 53	.0	.8	1.2	1.1	.5	.4	.1											256	256	38				
52/ 51	.1	.6	1.4	.9	.4	.2	.1											226	226	32				
50/ 49	.7	.9	1.2	.8	.3	.1												207	207	33				
48/ 47	.0	.7	.8	.4	.2	.0												131	131	32				
46/ 45		.7	.7	.5	.1													127	127	35				
44/ 43		.3	.3	.2	.1													55	55	34				
42/ 41		.1	.3	.1														27	27	39				
40/ 39	.0	.1	.2															25	25	30				
38/ 37		.1	.0															9	9	21				
36/ 35		.1	.1															11	11	15				
34/ 33	.0	.0																2	2	13				
32/ 31																				12				
30/ 29																				4				
28/ 27																				3				
26/ 25																				1				
24/ 23																								
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMAR

75-84

YEARS

MAY
MONTH

PAGE 1 2100-230
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi			
80/ 79						.3												2	2					
78/ 77					.6	.7	.3											11	11					
76/ 75				.1	1.2	1.2	.4											20	20					
74/ 73			.1	1.6	2.1	1.8	.1	.1										36	36					
72/ 71			.6	1.2	2.2	1.5	.7	.1	.3									45	45					
70/ 69		.3	1.0	2.7	2.5	.9	.4	.3	.1									56	56	13				
68/ 67			1.2	1.3	2.1	1.6	.1	.3										45	45	25				
66/ 65		1.2	2.2	1.9	1.5	.9	.6	.1										57	57	52	1			
64/ 63	.1	2.2	3.4	2.5	1.8	1.9	1.2	.4										92	92	73	3			
62/ 61		2.1	1.3	2.2	1.5	2.2	1.2											71	71	55	5			
60/ 59		1.6	1.7	1.2	.4	1.9	.3	.1										44	44	78	6			
58/ 57		1.6	.3	1.0	1.8	1.7	.1											40	40	66	7			
56/ 55		.9	.7	.7	1.2	.6	.1											29	29	49	5			
54/ 53		.3	1.3	1.2	.9	.9												31	31	47	3			
52/ 51		1.0	1.3	1.2	2.1	.3												40	40	42	3			
50/ 49		.4	1.5	.9	.9	.1												26	26	57	4			
48/ 47		.6	.3	.4	.3	.1												12	12	33	2			
46/ 45		.6	.7	.1														10	10	36	3			
44/ 43		.1			.1													2	2	24	5			
42/ 41				.1														1	1	13	4			
40/ 39			.3															2	2	2	3			
38/ 37																				2	2			
36/ 35																				3	1			
34/ 33																								
32/ 31																					1			
30/ 29																								
28/ 27																								
24/ 23																								
TOTAL	.113	.117	.620	.123	.218	.7	5.8	1.6	.4									672	672	672	67			
Element (X)	Σ x²		Σ x		x		x		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	3177437		45243		67.3		13.994		672		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	2671365		42045		62.6		7.792		672						29.8		9.5		.1				9	
Wet Bulb	2161996		37798		56.2		7.322		672						5.3								9	
Dew Point	1808978		34330		51.1		9.069		672				2.4		.7								9	

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 2 1800-20
HOURS IL. S. T

[illegible]

RURAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMA

724240 STATION FT KNOX/GODMAN AAF KY

75-84

YEARS

MAY
MONTH

PAGE 1 1800-21
HOURS (L.S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew	
87/ 87								.1		.1								2	2			
86/ 85								.3	.3	.2								5	3			
84/ 83						.1	.7	1.0	.9	.3	.1							28	28			
82/ 81						.2	.9	1.2	.8	.3	.3							32	32			
80/ 79					.1	1.2	1.5	1.4	.3	.2	.2	.1						44	44			
78/ 77					.5	1.7	1.6	.5	.7	.3	.2							44	43			
76/ 75				.8	1.0	1.5	.8	1.9	.9	.5	.2	.1						67	67			
74/ 73			.3	.5	1.9	1.3	1.0	1.9	1.0	.8	.5							79	79	2		
72/ 71		.1	.3	1.0	1.7	1.2	1.4	1.0	1.4	.3								74	74	25		
70/ 69		.2	.3	1.2	.8	1.4	1.0	1.9	.9	.6								72	72	43		
68/ 67		.5	1.7	1.7	1.3	.8	.8	1.3	.9									76	74	83		
66/ 65		.5	2.1	1.6	.3	.5	1.4	1.2	.2									67	67	71		
64/ 63	2.0	.7	.6	.5	.6	1.4	.9	.6										62	62	85		
62/ 61		.9	.7	.6	.6	.9	.5	.8	.2									44	44	100		
60/ 59		.9	.5	.2	.5	.9	.6	.5										35	35	81		
58/ 57		.9	.5	.1	.7	.8	.7	.2										34	34	60		
56/ 55			.6	.5	.5	.2	.5	.1										20	20	67		
54/ 53		.7	1.0	.9	.6	.5	.2											34	34	59		
52/ 51		.2	.7	.2		.2	.2											14	14	57		
50/ 49		.8	.6	.1		.1												14	14	41		
48/ 47	.1	.1	.2		.1													5	5	51		
46/ 45		.3																3	3	21		
44/ 43																				11		
42/ 41																				4		
40/ 39																				3		
38/ 37																						
36/ 35																						
34/ 33																						
32/ 31																						
30/ 29																						
28/ 27																						
26/ 25																						
24/ 23																						
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 44 MAY 64 J-5 (OLA) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

YEARS

 MAY
MONTH

PAGE 2 1500-1
HOURS 11.5

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

224240 FT KNOX/GODMAN AAF KY

75-84

MA
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb															
89/ 89									.2	.2								4		4														
88/ 87								.1	.4	.4	.6							14		14														
86/ 85								.9	1.4	.8	.2							30		30														
84/ 83					.1		1.0	1.2	1.9	1.3	.3	.1						54		54														
82/ 81				.1	.1	.2	1.8	2.9	1.8	1.2	.9	.1						91		91														
80/ 79				.2	.2	1.2	1.2	1.0	.3	.4	.6	.2						49		49														
78/ 77				.4	.6	1.3	.9	1.2	1.7	1.7	.8	.1						78		78														
76/ 75				.4	1.1	.9	1.7	2.0	1.3	1.0	.4	.3						83		83													2	
74/ 73				.9	.9	.8	1.1	1.1	1.7	1.0	.6							72		72													16	
72/ 71			.4	.8	.7	.8	1.4	.8	1.9	.7								67		67													35	
70/ 69			.2	1.1	1.3	1.1	.8	1.1	2.2	.6								76		76													72	
68/ 67		.3	2.1	1.3	.9	.2	.7	1.2	1.7	.2								78		78													103	
66/ 65		.3	.3	.1	.1	.1	.7	.3	1.1	.1								29		29													67	
64/ 63		.7	1.0	.3	.1	.2	1.1	.9	1.0									48		48													100	
62/ 61		.4	.3	.4			.5	.3	1.2	.1								31		31													93	
60/ 59	1.0	.2	.3	.2	.4	.3	.7											29		29													80	
58/ 57	.2	.7	.3	.2	.1	.2	.2	.1										19		19													53	
56/ 55		.8	.5	.8	.2													21		21													77	
54/ 53	.6	.7	.4	.2	.1	.2												20		20													52	
52/ 51		.3	.2		.1													6		6													54	
50/ 49	.8	.4																10		10													40	
48/ 47	.1	.2																3		3													34	
46/ 45	.2																	2		2													17	
44/ 43																																		6
42/ 41																																		3
40/ 39																																		
38/ 37																																		
36/ 35																																		
34/ 33																																		
32/ 31																																		
30/ 29																																		
28/ 27																																		
26/ 25																																		
24/ 23																																		

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5 (OL A)

6

FORM
AF 54

USAFETAC

PSYCHROMETRIC SUMM.

75-84

MA
MONT

PAGE 2 1200-
HOURS 10

[illegible]

PSYCHROMETRIC SUMM

YEARS

PAGE 1 1200
HOURS 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb				
70 / 89										.1								1	1					
68 / 87								.1	.1	.2	.2							6	6	5				
66 / 85							.1	.5	.9	.4	.2							20	23					
64 / 83							.3	1.8	2.1	.9	.1							52	52					
62 / 81				.2	.3	.4	1.3	2.2	.9	.5								54	54					
60 / 79				.3	.2	1.2	1.5	1.5	1.2	.6	.3	.1						65	65					
78 / 77			.1	.5	.2	1.3	1.5	1.4	.9	.8	.6							68	68					
75 / 75			.2	.5	1.3	1.1	1.6	1.7	1.1	1.3								62	62					
74 / 73			.5	1.3	.8	.8	.9	1.1	1.5	.4	.4							71	71	15				
72 / 71		.2	.5	.9	.4	.4	.6	1.6	1.2	.5	.1							65	65	33				
70 / 69		.1	1.6	1.3	1.2	1.5	1.4	2.1	.9	.2								95	95	73				
68 / 67		.2	.5	1.0	.8	1.0	1.0	1.2	.9	.5								65	65	110				
66 / 65		1.2	.4	1.1	.5	.2	1.7	1.6	.8	.3								66	66	72				
64 / 63		.5	1.1	.1		.5	.5	1.1	.1									37	37	92				
62 / 61		.5	.3	.6	.1	.3	.6	1.0	.3									36	36	69				
60 / 59		1.1	.5	.1		.5	.4	.6										51	31	87				
59 / 57		.9	.2	.2	.4	.8	.5	.3										70	30	78				
56 / 55		.6	.5	.1	.4	.3	.4											23	23	63				
54 / 53		.3	.3	.8	.3	.2	.1											23	23	59				
52 / 51		.3	.5	.5	.1	.1	.1											16	16	42				
50 / 49	.1	.1	.4	.2														8	8	47				
48 / 47		.2	.4	.1		.1												8	8	36				
46 / 45		.2																2	2	31				
44 / 43																				11				
42 / 41																				3				
40 / 39																				1				
78 / 37																								
36 / 35																								
34 / 33																								
32 / 31																								
30 / 29																								
28 / 27																								
26 / 25																								

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb											
Wet Bulb											
Dew Point											

PSYCHROMETRIC SUMM

75-84

YEARS

PAGE 1 1500-
HOURS 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb				
96 / 95									.3									5	5					
94 / 93								.2	.2	.2								5	5					
92 / 91								.3	.3	.7	.3							15	15					
90 / 89					.1		.5	1.8	.9	.3	.7	.1						42	42					
88 / 87						.5	.7	2.5	2.1	2.3	.3							76	76					
86 / 85			.3		.7	1.0	2.3	2.6	2.9	1.2	.7	.2						106	106					
84 / 83				.3	.7	2.4	2.5	2.9	1.4	1.5	.3	.1						106	106					
82 / 81			.2	.6	1.8	2.4	2.7	1.1	2.0	1.6								110	110	5				
80 / 79			.5	.8	2.4	1.7	.6	1.8	2.0	1.2	.2							99	99	8				
78 / 77			.3	.2	1.6	.5	2.3	1.4	.9	.9	.2							73	73	27				
76 / 75		.1	.7	.7	1.2	1.0	1.2	2.5	.3	.6								80	80	66				
74 / 73		.1	.5	.8	.2	.6	1.7	.8	1.2									52	52	118				
72 / 71		.1	.8	.5	.1	.6	.6	.3	.1	.1								28	28	129				
70 / 69		.6	1.0	.3	.8	.8	.2	.6	.2	.1								41	41	124				
68 / 67		.2	.7	.6	.2		.1	.1	.3									16	16	84				
66 / 65		.6	.9	.6														18	18	97				
64 / 63		.2		.2														4	4	72				
62 / 61		.3	.1	.1														5	5	77				
60 / 59		.1	.1															2	2	45				
58 / 57																				16				
56 / 55																				10				
54 / 53																				3				
52 / 51																				3				
50 / 49																								
48 / 47																								
46 / 45																								
44 / 43																								
42 / 41																								
40 / 39																								
38 / 37																								
36 / 35																								
TOTAL	2.4	5.4	5.7	9.8	11.3	15.4	18.9	16.0	10.5	3.7	.5							284	884					
Element (X)	Z _{X'}	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	2820876	48286	54.6	14.411	884	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total												
Dry Bulb	5721074	70880	60.2	6.547	884			77.0	78.4	53.3	1.3													
Wet Bulb	4155169	60413	68.3	5.480	884			57.1	22.8	.5														
Dew Point	3401127	54416	61.6	7.634	884			27.5	4.1	.2														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMM

724240 FT KNOX/GODMAN AAF KY

75-84

YEARS

PAGE 1 1800-
HOURS (L)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb															
94/ 93									.1																								1	1	
92/ 91								.1	.2	.1	.1																						5	5	
90/ 89							.5	.2	.2	.1	.1																					10	10		
88/ 87						.7	.4	1.5	.5	.4	.2																						31	31	
86/ 85			.1	.1	.1	.3	1.2	2.0	1.4	.4	.1																						53	53	
84/ 83			.1		.6	2.3	2.5	1.6	2.0	.4	.1																						62	62	
82/ 81				.7	1.4	2.7	3.9	1.2	.9	.4																							89	89	
80/ 79			.5	.4	2.8	2.6	1.4	2.7	.9	.4	.1																						100	100	
78/ 77		.1		2.3	1.8	2.7	2.2	1.2	.6	.4																							96	96	
76/ 75		.1	.9	2.0	.9	2.1	1.1	1.2	.4	.2																							76	76	
74/ 73			1.5	2.0	1.2	1.5	1.4	1.1	.9																								82	82	
72/ 71		.4	1.1	1.2	1.2	1.3	1.1	.7																									58	58	
70/ 69	.1	1.2	2.1	1.1	1.3	1.3	1.2	.4	.1																								74	74	
68/ 67	.1	.1	.9	.6	1.2	.9	.5		.2																								38	38	
66/ 65		.1	1.1	.6	.8	.5	.2		.1																								29	29	
64/ 63		.4	.5	.4	.4	.1																											14	14	
62/ 61		.5		.4	.1	.1		.1																									10	10	
60/ 59		.1	.1	.1		.1																											4	4	
58/ 57																																			
56/ 55																																			
54/ 53																																			
52/ 51																																			
50/ 49																																			
48/ 47																																			
46/ 45																																			
44/ 43																																			
42/ 41																																			
40/ 39																																			
38/ 35																																			
TOTAL	.2	2.9	8.9	11.7	13.7	19.0	17.5	13.8	8.7	2.6	.8																						852		
																																		852	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3293297	51622	60.6	13.949	852	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	T
Dry Bulb	5067845	65475	76.8	6.521	852			24.0	66.0	34.5	.1	
Wet Bulb	3874904	57270	67.2	5.454	852			52.8	15.5	.4		
Dew Point	3273431	52451	61.6	7.226	852			25.7	3.4	.1		

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GOODMAN AAF KY

75-84

JU
MONTH

STATION

STATION NAME

YEARS

PAGE 1 2100-
HOURS (L)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb				
90/ 85					.1	.1	.1													3	3		
84/ 83			.1	.4	.7		.3	.1												12	12		
82/ 81				.4	.7		.3	.1												13	13		
80/ 79			.4	.4	2.1	1.0	.3	.1												31	31	1	
75/ 77			.6	2.8	2.0	2.7	.9	.4												64	64	6	
76/ 75		.1	.7	2.3	4.7	1.3	.6	.1												69	69	13	
74/ 73		.4	3.8	3.8	3.1	1.4	.6													93	93	22	
72/ 71		1.0	4.0	3.6	2.4	.9	.4													86	86	58	
70/ 69	.6	1.7	5.4	3.3	2.1	1.1	.1	.1												102	102	86	
65/ 67	.1	.7	2.4	2.1	2.0	1.1	.4	.1												64	64	128	
66/ 65		1.0	1.8	1.8	1.1	1.0	.4	.1												52	52	84	
64/ 63		.3	1.3	2.3	2.3	.3														45	45	81	
62/ 61		.6	1.0	1.3	.9	.3														28	28	57	
50/ 59		1.0	1.3	1.3	.3															27	27	52	
56/ 57		.4	.3	.3	.1	.1														9	9	47	
56/ 55		.1				.3														3	3	40	
54/ 53				.1	.1															2	2	18	
52/ 51																						4	
50/ 49																						3	
46/ 47																							
46/ 45																						3	
44/ 43																							
42/ 41																							
36/ 37																							
TOTAL	.7	7.4	23.2	26.3	24.9	11.0	4.1	1.4												703	703	703	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_s	No. Obs.	Mean No. of Hours with Temperature						To
Rel. Hum.	3726327	50593	72.0	11.022	703	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	To
Dry Bulb	3545105	49747	70.8	5.955	703			68.7	36.5	5.5		
Wet Bulb	2970639	45525	64.8	5.664	703			40.2	5.4			
Dew Point	2653068	42922	61.1	6.798	703			20.7	2.4			

RE-100 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5 (OLA)

FORM 44

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMM

724242 FT KNOX/GODMAN AAF KY

75-84

YEARS

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PAGE 1

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HOURS (L)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb														
96/ 95									.0		.0								5	5														
94/ 93								.0	.1	.1	.0								16	16														
92/ 91							.0	.1	.1	.2	.1								34	34														
90/ 89					.0	.0	.2	.4	.2	.1	.2	.0							73	73														
88/ 87						.2	.5	.8	.6	.5	.1								177	177														
86/ 85			.1	.0	.2	.5	1.0	.9	.9	.4	.2	.0							271	271														
84/ 83			.1	.3	.5	1.2	1.3	1.3	.8	.5	.1	.0							374	374														
82/ 81			.1	.4	1.1	1.4	1.7	.6	.8	.3	.0								405	405	7													
80/ 79		.0	.5	.6	1.6	1.7	.6	.9	.7	.3	.1								443	443	25													
78/ 77		.1	.7	1.2	1.6	1.2	1.1	.9	.4	.2	.0								468	468	96													
76/ 75	.0	.2	1.0	1.4	2.0	1.0	.8	.7	.3	.2									480	480	242													
74/ 73	.0	.4	1.7	2.8	1.1	1.0	1.0	.5	.4										560	560	478													
72/ 71	.0	.9	2.6	2.1	1.1	.8	.6	.3	.0	.0									534	534	593													
70/ 69	.2	1.6	3.8	1.9	1.1	.9	.4	.4	.0	.0									648	648	757													
68/ 67	.2	1.5	2.2	1.3	1.0	.5	.2	.1	.1	.0									453	453	816													
66/ 65	.0	1.2	2.5	1.0	.7	.4	.1	.1	.0										379	379	761													
64/ 63	.0	1.3	1.4	1.1	.6	.2		.0											289	289	650													
62/ 61		1.1	1.2	.7	.3	.1	.0	.0											221	221	562													
60/ 59		.9	.9	.7	.2	.1	.0												178	178	426													
58/ 57		.7	.6	.3	.1	.0													100	100	319													
56/ 55		.4	.5	.2	.1	.0													80	80	221													
54/ 53	.0	.4	.2	.1	.1														53	53	145													
52/ 51		.2	.2	.1	.1														32	32	96													
50/ 49		.0	.1	.0	.0														14	14	50													
48/ 47			.1																4	4	24													
46/ 45																					19													
44/ 43																					8													
42/ 41																																		
40/ 39																																		
38/ 37																																		
36/ 35																																		
34/ 33																																		
32/ 31																																		
Element (X)	ΣX^2					ΣX					No. Obs.					Mean No. of Hours with Temperature																		
Rel. Hum.																≥ 0 F ≥ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F						T												
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 1-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-54

YEARS

JUL
MONTH

PAGE 2

ALL

HOURS (L. 9)

[illegible]

PSYCHROMETRIC SUMMA

<u>724242</u>	<u>FT KNOX/GODMAN AAF KY</u>
STATION	STATION NAME

75-78, 83-84

YEARS

MONTH

PAGE 1 0000-0
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew		
76 / 85					.4		.2											3	3				
74 / 83				.9			.2											6	5				
92 / 81				.4	.4	.7												8	8				
80 / 79			.2	2.4	2.4	.5												20	30				
78 / 77		.4	1.1	3.8	3.1	.5												49	49	7			
76 / 75		1.6	1.6	7.3	1.8	.2												69	69	8			
74 / 73		.5	4.0	6.4	1.1	.7	.4											72	72	40			
71 / 71	.5	1.6	5.6	4.9	1.5	.7												82	82	68			
70 / 69		.9	7.3	3.1	2.4	.5												78	78	90			
68 / 67		1.5	2.2	2.7	1.1	.4												43	43	89			
66 / 65		.7	1.8	1.8	1.8													34	34	62			
64 / 63		.7	2.4	2.2	.4													31	31	49			
62 / 61		1.8	2.5	1.1	.2													71	31	43			
60 / 59		.5	.4	.4														7	7	41			
58 / 57		.7		.2														5	5	38			
56 / 55		.2																1	1	11			
54 / 53																					2		
52 / 51																					1		
50 / 49																							
48 / 47																							
TOTAL	.511	.329	.137	.516	.4	.4	.7											549		549			

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3269839	42106	76.7	8.595	549			74.5	40.1	4.6		
Wet Bulb	2429804	36416	66.3	5.104	549			51.2	9.3			
Dew Point	2231677	34863	63.5	5.696	549			33.4	3.0			

2

✓

YFARS

Jul
MONTH

PAGE 1 0300-050
HOURS (L. S. T.)

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

PSYCHROMETRIC SUMMAI

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

MONTH

PAGE 1 0600-08
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
96/ 95							.1											1	1					
94/ 93							.1	.2										3	3					
92/ 91							.3	.7										9	9					
90/ 89					.1	.2	1.0	1.0	.4									25	25					
88/ 87					.7	.4	2.1	.9	.2	.3								42	42					
86/ 85				.4	1.2	3.2	1.2	1.0	.3	.1								68	68					
84/ 83			.1	2.2	2.4	3.1	2.0	.5	.5	.1								100	100	1				
82/ 81			.4	3.0	3.2	3.1	2.1	1.0	.4									120	120	4	1			
80/ 79		.2	.9	2.5	2.1	2.7	1.0	1.1	.2									98	98	21	1			
78/ 77		.2	2.4	2.0	3.6	1.9	1.2	.5	.3									111	111	75	15			
76/ 75		2.2	1.1	2.7	3.3	1.3	1.0	.3										109	109	112	46			
74/ 73		.9	1.2	2.4	1.4	1.3	1.3	.3										81	81	166	98			
72/ 71	.2	1.1	2.3	1.4	.7	1.0	.2											63	63	119	110			
70/ 69		1.0	1.4	.4	1.2	.9	.1											46	46	126	123			
68/ 67			.7	.3	.8	.2	.2											20	20	107	118			
66/ 65				.4	.2	.1												7	7	68	106			
64/ 63			.4	.1	.1													6	6	42	77			
62/ 61		.1	.1															2	2	40	50			
60/ 59																				24	53			
58/ 57																				3	38			
56/ 55																				3	34			
54/ 53																					26			
52/ 51																					9			
50/ 49																					5			
48/ 47																					2			
TOTAL	.2	5.7	11.1	18.0	21.0	19.4	13.9	7.6	2.5	.5								911	911	911				

Element (X)	Z _X ¹	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4273351	61375	67.4	12.335	911	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	5666610	71652	78.7	5.840	911			91.5	78.3	42.5	.4	93
Wet Bulb	4571816	64376	70.7	4.992	911			74.6	38.7	1.1		93
Dew Point	4072176	60648	66.6	6.171	911			52.3	16.4	.1		93

PSYCHROMETRIC SUMMARY

75-84

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
32/101											.1							1	1						
30/ 99											.1	.1						2	2						
28/ 97									.1	.3	.6							9	9						
26/ 95									.4	.1	.1	.3						9	9						
24/ 93								.2	.6	1.3	1.0	.1	.1					30	30						
22/ 91						.2	.7	1.4	3.0	1.0	.6	.3						65	65						
20/ 89					.1	.8	1.0	3.3	2.4	.7	.8	.2	.1					85	85						
18/ 87				.6	2.3	2.3	2.6	1.2	.2	.2	.1							93	93						
16/ 85			.1	1.5	4.4	2.5	2.0	1.7	1.1	.1								122	122						
14/ 83			.7	.9	1.8	2.1	1.8	2.1	1.0	.1								24	94	1					
12/ 81		.6	2.0	2.2	2.0	3.1	2.1	1.0	.7	.1								124	124	17					
10/ 79		1.1	.7	1.5	2.2	1.9	1.2	.4	.4									27	87	36					
78/ 77	.6	.4	1.1	1.4	1.3	1.0	1.3	.6	.2									74	74	110	23				
76/ 75	.4	.3	.9	.6	.2	1.1	.2	.4	.1									44	44	169	25				
74/ 73	.8	1.1	.6		.2	1.0	.1											34	34	141	90				
72/ 71	.4	.7	.2		.3	.2	.1											18	18	105	99				
70/ 69	.3	.1	.2	.4														10	10	116	129				
68/ 67		.1																1	1	97	123				
66/ 65					.3													3	3	39	28				
64/ 63			.3															3	3	36	24				
62/ 61																				24	61				
60/ 59																				12	56				
58/ 57																					34				
56/ 55																									
54/ 53																									
52/ 51																									
50/ 49																									
48/ 47																									
46/ 45																									
TOTAL	2.8	4.7	6.4	9.6	15.9	17.1	17.8	14.5	7.6	2.6	.9	.1						924	924	928					

Element (X)	Σ x'	Σ x	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Rel. Hum.	3168645	22263	57.4	3.301	208							
Dry Bulb	636474	75818	53.5	6.057	908			97.4	84.4	70.5	6.2	93
Wet Bulb	4736964	45438	72.1	4.873	908			81.1	48.5	3.5		93
Dew Point	4037695	40253	66.4	6.593	908			53.2	17.2			93

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
102/101												.2	.1					3					
100/99										.3	.5				.1			8					
98/97										.2	.2	.3						9					
96/95							.1	.3	.1	.5	.8							16	16				
94/93							.3	.2	1.6	1.7	.7	.3						43	43				
92/91						.1	.8	1.9	2.7	3.5	.7	.3			.3			92	92				
90/89						.5	1.4	1.3	2.3	1.0	.7	1.0						69	69				
80/87					.3	1.1	2.8	2.7	2.3	1.9	.9							107	107				
86/85					.7	2.5	1.1	2.4	2.1	1.4	.7							95	95				
84/83				1.1	2.5	1.3	2.6	2.2	2.3	1.3								116	116	1			
82/81			.7	1.4	1.8	1.5	2.5	1.7	1.1	1.3	.1							103	103	15			
80/79			.5	.7	1.1	1.8	.6	1.8	1.0	.3								70	70	34	1		
78/77		.2	.7	1.5	1.1	.1	.5	1.1	1.1	.3								59	59	91	11		
76/75		.6	1.1	.7	.3		.5	.6	.2									35	35	168	34		
74/73	.1	1.1	.9	.5	.1	.2	.1	.1										28	28	139	73		
72/71		.3	.3	.3	.3	.1												13	13	125	90		
70/69		.1				.1												2	2	114	147		
68/67				.1	.5														5	78	107		
66/65			.7	.2														4	4	49	51		
64/63																				33	60		
62/61																				24	57		
60/59			.1															1	1	5	46		
58/57																					47		
56/55																				1	43		
54/53																					31		
52/51																					20		
50/49																					9		
48/47																					2		
TOTAL	.1	2.4	4.3	6.5	8.9	9.5	13.3	16.4	17.1	13.8	4.9	2.3	.5	.1				876	876		878		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2820545	46191	54.9	14.145	878							
Dry Bulb	6314480	74254	84.6	6.289	878			92.5	90.4	74.9	8.4	93
Wet Bulb	4581270	63292	72.1	4.626	878			81.1	47.6	3.1		93
Dew Point	3840630	57794	65.8	6.439	878			49.6	13.1			93

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 JUL MONTH 1800-2200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
90/ 99												.1						1	1															
95/ 97									.1	.1				.1				3	3															
96/ 95								.1	.2	.1								4	4															
94/ 93							.2	.2	.1	.1		.1						7	7															
92/ 91						.2	.2	.9	.5	.9	.2	.1						26	26															
90/ 89					.2	.1	1.3	1.6	.9	.6	.2							43	43															
88/ 87				.1	.7	1.2	1.9	2.4	.9	.6	.4							69	69															
86/ 85					1.1	2.0	2.0	1.9	1.9	.6	.1							88	88															
84/ 83			.1	.7	1.8	3.3	1.4	2.2	1.2	.7								97	97															
82/ 81			.4	2.0	2.5	2.9	2.9	2.1	1.4	.2								123	123	14														
80/ 79		.2	1.2	2.5	2.2	2.1	1.6	1.1	.8	.2								102	102	16	3													
78/ 77		.5	.6	2.6	2.2	1.3	2.1	.8	.4									89	89	72	15													
76/ 75	.1	.8	1.2	3.2	1.2	.9	.7	.7	.2									76	76	119	39													
74/ 73		1.3	1.9	2.0	.5	.9	1.1	.2										67	67	133	67													
72/ 71		.8	.4	.8	.1	.5	.5											76	76	154	101													
70/ 69		.1	.2	.2	.2	.4												10	10	127	123													
68/ 67		.2	.2	.4	.4	.1												11	11	81	121													
66/ 65			.4	.1														4	4	55	96													
64/ 63		.1	.2	.1														4	4	32	67													
62/ 61																				37	47													
60/ 59																				8	58													
58/ 57																				2	42													
56/ 55																					27													
54/ 53																					28													
52/ 51																					14													
50/ 49																					2													
TOTAL	.1	4.1	6.7	14.7	13.1	16.8	16.0	14.2	8.7	4.1	.9	.4	.1					850	850	850	850													

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3450579	52869	62.2	13.822	850	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5604836	68840	81.0	5.905	850			92.1	37.0	56.6	1.5	93
Wet Bulb	4330795	60545	71.2	4.631	850			78.3	38.7	2.0		93
Dew Point	3763479	56317	66.3	6.157	850			51.3	13.6	.1		93

PSYCHROMETRIC SUMMARY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84

YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
90/ 89									.1									1	1					
88/ 87							.1	.1										4	4					
86/ 85				.3	.7	.4	.1	.1										12	12					
84/ 83			.3	.3	1.5	1.0	.4											25	25					
82/ 81			.6	1.1	3.6	2.6	.1											53	53					
80/ 79			1.1	2.9	4.3	2.0	.6	.1										79	79	6				
78/ 77		1.1	2.8	3.1	4.0	1.3	.7											97	97	14	3			
76/ 75		1.7	2.6	6.4	4.0	1.9	.7	.3										126	125	45	13			
74/ 73	.1	1.4	3.6	4.9	1.5	1.7	.4											98	98	109	48			
72/ 71	.3	2.0	3.9	2.3	2.4	1.4	.3											87	87	118	63			
70/ 69		.4	1.7	1.5	1.8	1.3												48	48	116	115			
68/ 67		.8	1.1	.6	1.3	.4												30	30	110	110			
66/ 65		.3	.4	1.7	.7													23	23	48	99			
64/ 63		.1	.7	1.0	.1													14	14	56	64			
62/ 61		.7	.7	.1	.1													9	9	50	42			
60/ 59		.4	.3	.1														6	6	46	50			
58/ 57																				12	32			
56/ 55																				4	44			
54/ 53																				1	19			
52/ 51																								
50/ 49																								
TOTAL	.4	8.9	19.5	25.9	26.2	14.6	3.5	.7	.1									717	717	717				

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3917920	52468	71.2	10.468	717	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4038701	53679	74.9	5.280	717			86.3	64.9	18.3		93
Wet Bulb	3410893	49327	68.8	4.926	717			67.4	22.8	.4		93
Dew Point	3101855	46975	65.5	5.818	717			46.3	8.9			93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

174240 FT KNOX/COUMAN AAF KY

75-84

YEARS

MONTH

PAGE 1

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
102/101																					4	4		
100/99																					11	11		
98/97																					21	21		
96/95																					25	25		
94/93																					33	33		
92/91																					192	192		
90/89																					223	223		
88/87																					316	316		
86/85																					389	389		
84/83																					445	445		
82/81																					553	553		
80/79																					521	521		
78/77																					565	565		
76/75																					623	623		
74/73																					671	671		
72/71																					625	625		
70/69																					409	409		
68/67																					262	262		
66/65																					205	205		
64/63																					155	155		
62/61																					114	114		
60/59																					69	69		
58/57																					35	35		
56/55																					13	13		
54/53																					4	4		
52/51																								
50/49																								
48/47																								
46/45																								
TOTAL																								

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	31475995	436775	68.615	441	6368	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	39469137	492259	77.3	8.779	6368			674.5	534.9	295.4	17.4	744
Wet Bulb	30748175	442533	67.5	5.536	6368			550.1	239.3	11.1		744
Dew Point	27518269	416733	65.4	6.223	6368			359.5	87.7	2		744

USAFETAC FORM 10-65 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A159 613

FORT KNOX/GODMAN AAF KENTUCKY REVISED UNIFORM SUMMARY
OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 85
UNCLASSIFIED USAFETAC/DS-85/009

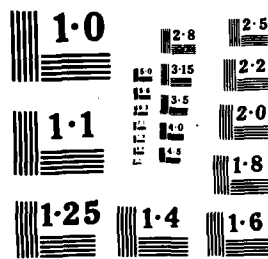
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11-85
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PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-78, 83-84

YEARS

AUG
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
82 / 81					.2													1	1													
83 / 79				.2	.5													5	5													
76 / 77		.2	1.3	2.3	1.8	.2												32	32													
76 / 75		1.1	4.1	7.7	2.0	.2												84	84	2												
74 / 73		3.4	8.3	7.0	.9													109	109	23												
72 / 71		4.5	7.2	3.8	.5	.2												90	90	79	34											
70 / 69		5.4	4.1	1.3	.9	.4	.2											68	68	135	80											
59 / 67		3.2	4.1	1.4	.9													54	54	115	120											
66 / 65		1.6	3.9	2.3	.5													47	47	48	105											
64 / 63		.7	1.4	1.8	1.3													29	29	40	47											
62 / 61		.4	2.7	1.1	.5													26	26	35	38											
60 / 59			1.1	.7														10	10	30	33											
58 / 57			.4															2	2	29	26											
56 / 55																				19	29											
54 / 53																				2	13											
52 / 51																					18											
50 / 49																					9											
48 / 47																					1											
TOTAL	20.536	829.610	.1	.9	.2													557	557	557	557											

2.

✓

75-84

YEARS

ALL MONTH

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

6.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

YEARS

 AUG
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

22

✓

75-84

YEARS

AUG
MONTH

HOURS (EST.)

USAFETAC FORM 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

✓

AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

FORM NO. 5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

YEARS

10 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
92/101													.1					1	1																	
90/99												.1	.1					2	2																	
98/97											.3	.3	.1	.2				9	9																	
96/95										.4	.6		.1					10	10																	
94/93								.2	.4	.4	.3	.6	.1					19	19																	
92/91						.7	.8	1.3	1.2	1.1	.4	.6	.1					56	56																	
90/89					.1	.9	2.4	1.9	2.3	.7	.3	.3						80	80																	
88/87					.3	2.1	2.4	3.1	1.9	.6	.4			.1				99	99																	
86/85			.1		1.2	3.4	3.0	4.6	2.0	1.1				.2				141	141																	
84/83			.3	1.1	2.4	2.3	1.9	1.6	.6	.4	.1							97	97																	
82/81				1.1	2.4	2.0	.9	1.6	.9	.3								83	83	11																
80/79			.3	.7	1.4	2.3	2.3	1.4	1.4	.8	.2							99	99	22	1															
78/77			.8	1.8	2.0	1.0	1.1	1.7	.2	.3								90	87	100	14															
76/75		.6	1.4	.9	1.1	.4	.8	.9	.2									57	57	103	29															
74/73	.1	1.4	1.7	.4	.3	.2	.3	.3										44	44	188	72															
72/71		.2	.3			.2	.2	.1										10	10	149	95															
70/69	.1	.4	.1															6	6	112	105															
68/67		.6																5	5	92	155															
66/65			.3															3	3	46	110															
64/63																				48	72															
62/61																				21	61															
60/59																				6	51															
58/57																				1	41															
56/55																					33															
54/53																					16															
52/51																					12															
50/49																					16															
48/47																					9															
46/45																					3															
44/43																					1															
TOTAL	.2	3.2	5.1	4.1	8.8	16.1	17.8	18.3	12.9	6.9	3.4	2.0	1.0	.2				901	901	901																
																		901		901																
Element (X)	Σ x ²	Σ x	I	°x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	3084719	51095	56.7	14.421	901	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	6286005	75067	83.3	5.943	901			92.7	90.5	68.0	4.2	93																								
Wet Bulb	4636525	64505	71.6	4.526	901			80.2	43.8	2.2		93																								
Dew Point	3913315	59089	65.6	6.512	901			48.6	12.0																											

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
98/ 97											.1							1	1					
96/ 95										.1	.1		.1					3	3					
94/ 93										.1								1	1					
92/ 91								.6	.1	.1								7	7					
90/ 89					.1	.2	.5	.6	.7	.1	.5	.1						24	24					
88/ 87				.1	.2	1.1	.9	1.9	.6	.1	.6							47	47					
86/ 85			.4	.2	1.5	2.4	2.1	1.3	.2		.1	.1						71	71					
94/ 83		.2	.6	.4	2.0	3.0	2.8	1.4	1.1	.1								98	98					
82/ 81		.1	.2	1.2	3.1	3.0	2.1	.2	.6	.2	.1							92	92	11				
80/ 79			.5	2.3	2.7	2.8	1.4	.8	.6	.1								95	95	10	11			
78/ 77		.1	2.1	3.1	3.3	1.7	1.2	.5	.4	.1								105	105	50	8			
76/ 75		.9	2.8	3.7	1.8	1.4	1.1	.8	.2									108	108	74	22			
74/ 73		2.1	2.1	2.0	1.5	.9	.9	.4										83	83	172	51			
72/ 71		1.7	1.3	1.3	.6	1.1	.7											56	56	148	110			
70/ 69		.8	.9	1.1	.8	.6												36	36	139	126			
68/ 67		.1	.1	.4	.4	.1												9	9	82	150			
66/ 65		.1	.2	.1	.2													6	6	62	102			
64/ 63		.1																1	1	44	54			
62/ 61																				33	59			
60/ 59																				16	42			
58/ 57																				2	37			
56/ 55																					31			
54/ 53																					17			
52/ 51																					12			
50/ 49																					7			
48/ 47																					4			
TOTAL		6.4	11.4	15.8	18.4	18.1	13.8	8.5	4.5	1.2	1.5	.2	.1					843	843	843				
									</															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

ANG
MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
86 / 85						.1	.1											2	2					
84 / 83				.1	.1	.3			.1									5	5					
82 / 81		.4	.4	1.3	.8	.8	.1	.3										30	30					
80 / 79		.6	1.4	2.6	2.9	2.2	.1											71	71	4	2			
79 / 77		.3	2.5	4.9	4.6	1.4	.3											100	100	7	3			
76 / 75		.6	5.4	5.3	2.9	1.0	.1											110	110	27	9			
74 / 73		3.2	5.3	6.3	.9	1.1	.1	.1										122	122	78	31			
72 / 71		3.9	2.4	2.1	1.1	.7	.3	.1										75	75	151	65			
70 / 69		3.1	2.4	2.6	1.7	.4	.1											74	74	145	122			
68 / 67		1.1	2.8	2.2	1.8	.3												59	59	89	141			
66 / 65		.6	1.4	2.1	1.0	.4												39	39	56	92			
64 / 63		.4	.4	2.2	.1													23	23	62	56			
62 / 61		.3	.3	.1	.3													7	7	30	43			
60 / 59																				42	52			
58 / 57																				21	33			
56 / 55																				4	50			
54 / 53																				1	21			
52 / 51																					8			
50 / 49																					8			
48 / 47																					1			
TOTAL	14.2	24.7	31.9	18.3	9.8	1.4	.6	.1										717	717	717	717			

PSYCHROMETRIC SUMMARY

75-84

YEARS

 AUG
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
102/101													.0	.0				1	1																
100/99												.0	.0	.0				4	4																
98/97											.1	.1	.0	.0				14	14																
96/95										.2	.1		.0					19	19																
94/93								.1	.2	.1	.1	.1	.0					38	38																
92/91						.1	.2	.4	.3	.3	.1	.1	.0					100	100																
90/89					.0	.3	.8	.6	.6	.3	.2	.1						195	195																
88/87				.0	.2	.9	.9	1.1	.7	.2	.2		.0					260	260																
86/85			.1	.1	.8	1.4	1.3	1.1	.6	.2	.1	.0	.0					364	364																
84/83		.0	.1	.3	1.0	1.5	1.5	.8	.5	.1	.1	.0						379	379																
82/81		.1	.2	.9	1.5	1.6	1.1	.4	.5	.2	.1							435	435	26	1														
80/79		.1	.5	1.5	1.6	1.5	.8	.5	.5	.2	.0							466	466	83	16														
78/77		.2	1.5	2.2	2.4	1.1	.7	.6	.2	.1								563	563	294	46														
76/75	.0	.9	3.0	3.3	1.6	.7	.6	.5	.1	.0								680	680	425	131														
74/73	.1	2.6	3.9	3.3	.7	.7	.4	.1	.0									752	752	862	333														
72/71	.3	3.3	3.0	1.5	.6	.5	.3	.1										614	614	1002	634														
70/69	.2	3.5	2.6	1.0	.7	.3	.1											537	537	1122	933														
68/67	.1	1.9	1.9	.8	.5	.2	.0											344	344	855	1120														
66/65	.0	1.1	1.3	.8	.3	.1												233	233	512	897														
64/63		.7	.9	.7	.2	.7												162	162	440	527														
62/61		.4	.8	.4	.1													104	104	281	423														
60/59		.4	.7	.2														62	62	208	362														
58/57		.4	.2	.1														48	48	156	293														
56/55		.1	.1															16	16	91	280														
54/53		.0																1	1	38	179														
52/51																				9	111														
50/49																					71														
48/47																					27														
46/45																					6														
44/43																					1														
TOTAL		.815	.720	.817	.112	.210	.7	8.6	6.4	4.1	1.9	1.0	.4	.2	.1			6401	6401	6401	6401														

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	34131971	456615	71.3	15.609	6401	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	37377937	486209	76.0	7.668	6401			663.9	495.1	237.6	9.8	744
Wet Bulb	30653260	441658	69.0	5.298	6401			542.3	196.1	6.7		744
Dew Point	27536170	418042	65.3	6.051	6401			373.6	61.3	.9		744

PSYCHROMETRIC SUMMARY

75-78, 82-84

YEARS

SEP
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
71/ 79					.2	.2												2	7						
70/ 77				.8	1.0	.2	.2											12	13						
76/ 75			.7	1.7	1.3	.3	.3											28	28						
74/ 73		.8	1.7	2.7	1.0	.3	.3											41	41	1					
72/ 71		1.2	4.0	1.3	1.5		.2											49	49	21	6				
70/ 69	.3	2.3	6.4	1.3	.3	1.0												70	70	46	22				
68/ 67	.3	.9	3.4	.3	.3	.3												3	33	73	45				
66/ 65		.7	2.3	1.8	1.7													39	39	44	54				
64/ 63		.7	1.0	2.5	.7													29	29	43	41				
62/ 61		3.4	2.2	1.7	.2													44	44	23	42				
60/ 59	.2	1.8	5.0	2.0	.3													56	56	55	46				
58/ 57		2.0	4.7	1.5	.5													52	52	53	26				
56/ 55		1.3	2.3	1.2														29	29	60	39				
54/ 53	.3	3.9	3.0	.7														47	47	48	62				
52/ 51	.2	1.3	1.2	1.3	.5													27	27	43	77				
50/ 49		.3	1.2	.7	.3													15	15	26	25				
48/ 47	.2	1.0	.7	.5														14	14	12	33				
46/ 45		.7	.2															5	5	28	61				
44/ 43			.3															2	2	11	15				
42/ 41			.5															3	3	2	14				
40/ 39		.2																1	1	3	11				
38/ 37																				3	6				
36/ 35																					12				
TOTAL	1.522	4.440	7.221	9.9	2.3	1.0												597	597	597					
																		597		597					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

774240 STATION FT KNOX/COOMAN AAF KY 75-84 YEARS SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
76/ 75			.5	.6	.3													10	10					
74/ 73		.9	2.1	2.8	.1	.4												43	43	2				
72/ 71	.3	.4	2.5	1.8	1.2	.3	.1											45	45	13	6			
70/ 69	.9	2.8	5.3	1.0	.6	.1												73	73	38	21			
68/ 67	.4	2.4	4.3	.4	.3	.1												54	54	63	40			
66/ 65	.1	1.6	3.9	.1	.7	.1												45	45	67	53			
64/ 63	.1	1.9	1.6	1.6	.3	.1												36	36	51	56			
62/ 61	.1	2.5	1.5	.7														22	22	45	49			
60/ 59	.3	2.4	2.5	.6														35	35	35	50			
58/ 57	.4	3.7	3.4	.4														14	14	53	39			
56/ 55	.1	5.0	5.2	1.2	.3													10	10	57	42			
54/ 53	.4	3.6	2.2	.9														40	40	62	33			
52/ 51	.3	2.7	1.0	.6														36	36	57	71			
50/ 49	.3	1.0	1.0	.4	.4													12	12	40	51			
48/ 47		2.1	.9	.3														12	12	25	41			
46/ 45	.4	1.9	.1	.1														16	16	27	27			
44/ 43		.3	.4															5	5	22	23			
42/ 41		.4	.1															4	4	7	17			
40/ 39		.4	.3															1	1	5	12			
38/ 37																				3	2			
36/ 35																					10			
34/ 33																					4			
TOTAL	4.5	36.1	30.9	13.8	4.3	1.3	.1											574	675		674			

Element (X)	Zx ²	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4680984	55562	82.4	9.494	674	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2553822	41128	60.9	8.428	675			30.0	7.1			37
Wet Bulb	2292445	38931	57.8	8.066	674			15.5	.3			20
Dew Point	2122313	37373	55.4	8.619	674			8.9				12

USAFETAC FORM 8-64 5 (OLA) 8-64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
NEW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 174240 FT KNOX/300MAN AAF KY
STATION NAME

75-84

YEARS

MONTH

PAGE 1

7601-08-00
HOURS 10.5.1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																
75/ 77				.1	.1																																	
76/ 75			.1	.2	.5																																	
74/ 73			.6	1.8	1.5																																	
72/ 71	.5	2.4	3.1	1.2	.9																																	
73/ 69	.5	3.1	4.1	.8	.4	.1																																
68/ 67	.5	1.6	4.2	.7		.4																																
66/ 65	.1	3.3	3.2	.6	.5																																	
64/ 63	.1	4.1	1.1	.6	.6	.1																																
62/ 61		7.4	1.1	1.1	.1																																	
60/ 59	.2	4.5	2.6	.6	.1																																	
58/ 57	.2	3.5	3.1	.7	.1																																	
56/ 55	.2	4.8	2.8	1.1																																		
54/ 53	.1	4.7	1.2	.5																																		
52/ 51	.5	2.7	1.2	.7																																		
50/ 49	.1	2.2	2.5	.6	.2																																	
48/ 47		1.5	.7	.5																																		
46/ 45		1.1	.7																																			
44/ 43	.1	.5	.5																																			
42/ 41		.4	.1																																			
40/ 39		.4																																				
38/ 37		.2																																				
36/ 35																																						
34/ 33																																						
TOTAL	3.34	5.13	5.41	2.0	3.5	.7																																

Element	X	Z _x	Z _y	X	Y	No. Obs.	Mean No. of Hours with Temperature					Total
Rel Hum	6072175	71413	34.0	0.234	850		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	3219133	5125	67.9	8.264	853				7.6	5.5		
Wet Bulb	2913976	4292	58.0	8.086	850				16.1	.3		
Dew Point	2723342	47544	55.9	8.683	850				12.0			

USAFETAC
FORM 10-64
5 (OLA)
REVISED METHODS EMPLOYED OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

YEARS

MONTH

PAGE 1 1200-1400
HOURS, U. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

657
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
73/ 79						.1				.1														
72/ 77							.1	.1																
76/ 75		.1	.1	.3	.9	.3	.1												17	17				
74/ 73			.1	.4	.5		.2												12	12	1			
72/ 71		.4	.3	.4	1.0	.4	.3	.1	.1										73	33	2			
76/ 69	.1	.2	.7	.8	.0	.5	.4	.2											35	35	13			
65/ 67		.5	1.0	1.4	.4	.5	.4	.1	.1										42	42	22			
66/ 65		1.3	1.2	1.7	1.6	.4	.4		.1										66	66	33			
64/ 63		1.4	.7	2.0	.9	.5	.2	.4											57	57	36			
62/ 61	.1	1.1	1.6	1.6	1.2	1.7	.7	.1											76	76	52			
63/ 59	.2	1.0	2.4	1.1	1.4	1.4	.2	.1											72	72	53			
56/ 57	.1	.7	2.3	.9	1.3	.0	.1												56	56	70			
56/ 55	.5	2.2	1.4	1.3	2.5	1.2	.2												58	58	66			
47/ 53	.2	1.7	1.1	1.3	2.2	.0													57	67	77			
52/ 51	.1	.9	1.5	1.6	1.8	.2													54	54	69			
50/ 49	.1	1.1	1.7	2.3	1.0														57	57	73			
43/ 47		.9	1.1	1.2	1.6	.1													45	45	64			
46/ 45		1.2	2.4	1.6	.7	.1													56	56	77			
44/ 43		1.7	1.5	.9															51	51	63			
42/ 41		.6	1.2	.7	.2														24	24	53			
40/ 39		.8	.5	.7	.1														19	19	40			
36/ 37		.1	.2																3	3	32			
36/ 35			.7	.1															4	4	12			
34/ 33		.2		.1															3	3	6			
32/ 31		.1																	1	1	5			
30/ 29																					2			
28/ 27																					1			
26/ 25																								
24/ 23																								
22/ 21																								
20/ 19																								
16/ 17																								
TOTAL	1.3	17.7	23.0	23.1	29.1	9.4	3.8	1.7	.3	.1									922	922	922			

Element (X)	Σx'	Σx	Σ	Σs	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4659792	64056	69.5	15.082	922	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3064437	52485	56.9	9.127	922		.1	14.4	3.2			93
Wet Bulb	2517909	47517	51.5	8.658	922		.8	3.8	.1			93
Dew Point	2089518	42848	46.5	10.328	922		9.1	1.3				93

PSYCHROMETRIC SUMMARY

75-84

YEARS

OC 1
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 75				.2														2	7																
74/ 73				.1														1	2																
72/ 71			.1															1	1																
75/ 69	.1	.4	.4	.1	.1													11	11	6	2														
68/ 57	.2	.2	.4	.2	.2													12	12	8	8														
66/ 65		1.1	.3	.3	.1													17	17	6	2														
64/ 63		2.5	1.5	.7	.1													42	42	19	14														
62/ 61	.1	3.8	.7	.9														49	49	39	28														
53/ 59	.3	2.0	2.2	.8	.3	.2												53	53	50	36														
54/ 57	.3	2.7	3.6	.4		.3												70	70	39	45														
56/ 55	.7	2.4	2.4	.4	.3													55	55	67	37														
54/ 53		3.4	1.0	1.7	.6													59	59	59	44														
52/ 51	.2	4.0	2.1	1.2	.3													71	71	60	78														
50/ 49	.1	2.0	3.7	1.2	.1													64	64	40	59														
48/ 47		2.7	2.4	1.0	.3													57	57	63	30														
46/ 45		2.5	2.5	1.6														54	54	76	36														
44/ 43		2.2	3.0	.9														63	63	51	51														
42/ 41		2.0	3.3	.6														52	52	58	55														
40/ 39	.3	2.5	1.6	.2	.1													42	42	68	66														
39/ 37	.7	2.5	1.6	.3														45	45	52	57														
36/ 35	.2	2.5	1.0															33	33	39	63														
34/ 33		2.2	.2															22	22	45	57														
32/ 31		.4	.2															6	6	20	54														
30/ 29		.1	.2															3	3	6	53														
28/ 27		.6																5	5	3	12														
26/ 25		.2																2	2	6	9														
24/ 23																				1	5														
22/ 21																					6														
20/ 19																					1														
TOTAL	3.844	6.635	4.130	2.7	.6														851	891	891														
																			851	891															

Element (X)	Σx^2	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.	5961882	72264	81.110	6.59	891	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2319710	44680	50.1	9.433	991		1.7	2.8	.3			9.3
Wet Bulb	2075828	42184	47.3	9.400	891		3.8	1.5				6.3
Dew Point	1850538	39598	44.410	4.24	891		12.5	1.0				13.5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84
YEARS

OCT
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73				.4														3	3						
72/ 71		.4	.6	.4														10	10	3					
70/ 69		.4			.6													7	7	5	3				
68/ 67	.4	.4	.6		.4													13	13	9	9				
66/ 65		1.0		.4	.1													11	11	5	8				
64/ 63	.1	3.5	2.1	.8														47	47	19	10				
62/ 61	.3	3.5	1.8	.3		.1												43	43	36	30				
60/ 59		1.9	1.8	1.7	.1	.3												42	42	45	23				
58/ 57	.8	2.6	3.9	.3	.1	.1												57	57	37	47				
56/ 55	.3	2.2	2.1	.3	.7	.4												43	43	52	35				
54/ 53		4.3	1.1	.3	1.2													50	50	49	34				
52/ 51	.4	2.2	1.9	1.4	.3	.1												45	45	47	64				
50/ 49		2.5	3.2	1.2	.8													56	56	26	44				
48/ 47		1.4	3.3	1.7	.3													48	48	51	20				
46/ 45		1.9	3.5	1.9														52	52	51	30				
44/ 43		1.8	4.2	.4														46	46	51	34				
42/ 41		1.4	3.6	1.0														43	43	60	26				
40/ 39	.3	2.1	1.9	.4														33	33	47	59				
38/ 37	.7	1.9	1.5															30	30	46	68				
36/ 35		1.9	1.5	.1														25	25	35	49				
34/ 33		1.2	.3															11	11	27	51				
32/ 31		.1																1	1	13	48				
30/ 29		.4	.1															4	4	2	26				
28/ 27		.3																2	2	4	11				
26/ 25																				2	5				
24/ 23																					6				
22/ 21																					2				
20/ 19																					1				
TOTAL	3.33	2.23	8.61	3.0	4.7	1.1												722	722	722	722				
																						722		722	

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

PSYCHROMETRIC SUMMARY

<u>724240</u>	<u>FT KNOX/GODMAN AAF KY</u>
STATION	STATION NAME

75-78, 82-84

YEARS

GC
MONITOR

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

SEP
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEAHS

SEP
MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
98/ 97													.0					1	1						
96/ 95												.0	.0					3	3						
94/ 93										.0	.1	.0						9	9						
92/ 91								.0	.1	.3	.0	.0		.0				32	32						
90/ 89								.4	.4	.1	.2			.0				75	75						
98/ 87						.0	.2	.6	.2	.2	.1	.0	.0	.0	.0			99	99						
96/ 85					.0	.2	.7	.7	.2	.1	.2	.1						141	141						
94/ 83				.0	.3	.7	.6	.4	.2	.3	.0							162	162						
92/ 81			.0	.2	.6	1.0	.7	.4	.4	.1	.0							220	220						
90/ 79			.0	.4	1.0	.9	.5	.8	.4	.3	.0							285	285						
78/ 77		.0	.1	.7	1.0	.7	.5	.6	.4	.2	.0							277	277	16					
76/ 75	.0	.2	.7	1.2	1.2	.6	.6	.8	.5	.1								375	375	124	8				
74/ 73	.1	.7	1.4	1.8	.7	.8	1.0	.7	.3									472	472	346	37				
72/ 71	.2	.8	1.9	1.3	.9	.9	.9	.4	.2									472	472	414	154				
70/ 69	.2	1.5	3.0	1.2	.6	.9	.5	.3	.1	.0								529	530	475	334				
68/ 67	.2	1.0	2.7	.9	1.1	.8	.4	.3	.0	.1								472	473	578	526				
66/ 65	.0	1.2	2.3	1.2	1.2	.4	.3	.2	.1	.0								435	435	510	488				
64/ 63	.0	1.6	1.3	1.5	.8	.5	.2	.1	.0									375	375	594	451				
62/ 61	.0	1.8	1.0	1.1	.6	.3	.2	.2										329	330	536	518				
60/ 59	.1	1.6	1.8	.9	.5	.4	.1	.0										341	342	543	454				
58/ 57	.1	1.5	1.8	.7	.3	.1	.1											290	290	447	428				
56/ 55	.0	1.8	1.5	.6	.4	.1												281	281	428	460				
54/ 53	.1	2.1	.9	.7	.3	.0												261	261	391	487				
52/ 51	.1	1.7	.7	.5	.1	.0												152	152	325	560				
50/ 49	.1	.4	.8	.3	.1													105	105	199	399				
48/ 47	.0	.6	.3	.2														67	67	167	271				
46/ 45	.0	.4	.1	.0														40	40	127	195				
44/ 43	.0	.1	.2															19	19	72	170				
42/ 41		.1	.1															11	11	20	153				
40/ 39		.1	.7															9	9	16	91				
38/ 37		.0																2	2	11	65				
36/ 35																				2	52				
34/ 33																					23				
32/ 31																					16				
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY

75-84

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
92/ 91										.1	.1							2	2				
90/ 89									.2		.2							4	4				
88/ 87						.2	.5	.6	.1		.1							13	13				
86/ 85						.1	.6	.8	.6	.1	.1	.4						23	23				
84/ 83					.2	1.3	.5	.4	.2	.4	.1							26	26				
82/ 81				.1	1.3	1.4	1.2	.4	.4	.4								43	43				
80/ 79				.8	2.4	1.4	.5	.8	.5	.2								56	56				
78/ 77	.2	.2	.7	1.9	1.2	.4	.7	.1										46	46	3			
76/ 75	.2	.7	3.1	2.0	1.1	1.0	1.0	.4	.1									80	80	11	3		
74/ 73	1.0	1.4	1.7	.8	1.0	1.1	.8	.1										66	66	67	5		
72/ 71	.2	.2	1.7	1.3	1.1	1.3	1.7	.6	.2									66	68	72	24		
70/ 69	.1	1.2	1.7	1.9	.3	1.2	.7	.5										66	68	77	58		
68/ 67	.6	2.2	.7	2.7	1.8	.5		.1	.1									73	73	74	78		
66/ 65	1.2	1.8	1.4	1.6	1.7	.7	.4											67	67	62	61		
64/ 63	1.1	1.3	1.6	1.4	.2	.2	.1											50	50	82	58		
62/ 61	1.0	.8	1.1	1.0	.5		.2											36	38	81	79		
60/ 59	.8	1.1	1.0	.7	.8	.1	.1											39	39	83	52		
58/ 57	.5	1.2	.6	.5	.2													25	25	60	57		
56/ 55	.4	.7	.2	1.1	.2													22	27	52	72		
54/ 53	1.2	.1	.5	.4	.1													19	19	44	56		
52/ 51		.5	.2	.1														7	7	24	69		
50/ 49			.1															1	1	16	62		
48/ 47			.1															1	1	16	18		
46/ 45																				7	26		
44/ 43																				3	16		
42/ 41																				1	15		
40/ 39																					15		
38/ 37																					7		
36/ 35																					5		
34/ 33																					2		
32/ 31																					4		
TOTAL	.4	9.6	14.7	17.2	20.1	15.7	9.6	7.4	3.0	1.4	.7	.4						837	837	837			
																		837		837			
Element (X)	Z _x ²	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.	3797306	54998	65.7	14.8	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	4234331	59105	70.6	8.5	837			61.1	38.6	15.2		90											
Wet Bulb	3362050	52702	63.0	7.2	837			32.7	8.7			90											
Dew Point	2870231	48475	57.9	8.6	837		.4	18.1	.9			90											

USAFETAC FORM 1-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

SEP

MENTIM

PAGE 2

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

[illegible]

PSYCHROMETRIC SUMMAI

75-84

SEP
MONTH

PAGE 1 1500-17
HOURS (L. S. T)

[illegible]

PSYCHROMETRIC SUMMAR

75-84

YEARS

SEP
MONTH

PAGE 2 1200-140
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY

75-84

SEP

PAGE 1 1200-191
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P.	
94/ 93											.4	.1						5	5			
92/ 91								.1	.6	.9	.1							15	15			
90/ 89								1.6	1.0	.6	.3							31	31			
88/ 87							.9	1.8	.6	.6	.1	.1	.1					37	37			
86/ 85					.1	.6	1.8	1.8	.4	.6	.2	.1						50	50			
84/ 83				.1	1.0	1.0	1.1	1.1	.7	.8	.1							53	53			
82/ 81				.2	1.3	1.7	1.3	.8	.9	.2	.1							59	59			
80/ 79				.4	1.1	2.1	1.2	1.2	.6	.8	.1							70	70			
78/ 77			.1	.6	1.1	1.8	1.7	1.9	.9	.2								74	74	7		
76/ 75			.4	.4	1.2	.6	1.1	1.9	1.5	.4								68	68	53		
74/ 73	.1	.4	1.0	.4	1.7	3.3	2.0	.7										86	86	97		
72/ 71	.1	.6	.2	.4	1.0	1.9	1.5	1.0	.1									61	61	71		
70/ 69		.3	1.5	.8	.8	1.3	1.2	.7										59	59	65		
68/ 67		.6	1.6	.3	.7	1.1	.8	.8	.1	.1								54	54	75		
66/ 65		.1	2.0	.6	1.1	.4	.7	.7	.4	.1								55	55	66		
64/ 63		.7	.8	.6	.4	.8	.6	.2										36	36	109		
62/ 61		.1	.2	.2	.6	.4	.4	.3										21	21	96		
60/ 59		.3	.4	.3	.2	1.1	.2	.1										25	25	81		
58/ 57		.4		.1	.2	.2	.1											10	10	44		
56/ 55		.2	.2	.1	.1	.2												8	8	31		
54/ 53		.9		.3	.3													14	14	39		
52/ 51																				19		
50/ 49																				23		
48/ 47																				12		
46/ 45																				3		
44/ 43																						
42/ 41																						
40/ 39																						
38/ 37																						
36/ 35																						
34/ 33																						
32/ 31																						
30/ 29																						
Element (X)	Σ x ²		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-1-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMAI

75-84

YEARS

SEP
MONTH

PAGE 1 0900-11
HOURS (L. S. T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew P.															
90/ 89								.1	.1									2	2																
88/ 87								.2	.1									5	5																
86/ 85						.2	1.0	.6										16	10																
84/ 83					.3	1.3	.6	.1	.1									22	22																
82/ 81				.4	.6	2.0	.4	.2	.1									34	34																
80/ 79			.1	1.1	2.0	1.6	.1	.1		.1								46	46																
76/ 77			.3	1.8	1.3	1.2	.3	.2	.1									48	48																
76/ 75		.6	1.2	1.8	1.7	1.0	1.1	.4	.1									71	71	18															
74/ 73	.1	.4	1.6	2.2	1.2	.6	.9	.1	.1									65	65	63															
72/ 71	.3	.4	1.8	1.2	1.2	1.2	1.2	.3	.1									71	71	82															
70/ 69		.7	2.4	2.0	1.3	1.3	.6											74	74	63															
68/ 67		1.1	2.1	1.9	2.0	1.9	.3											76	76	66															
66/ 65		1.0	1.7	2.0	2.0	.9	.2											70	70	68															
64/ 63		2.1	1.8	2.4	1.2	1.7	.1	.1										78	73	86															
62/ 61		1.8	.9	1.0	.9	.3	.2	.2										48	48	83															
60/ 59		1.3	.6	1.8	1.0	.6	.1											48	48	91															
58/ 57		1.2	1.2	.8	.6	.3	.1											38	39	72															
56/ 55		1.3	.6	.8	.3	.1												28	28	54															
54/ 53		.6	.6	1.0	.4	.1												24	24	42															
52/ 51		1.1	.4	.2		.1												17	17	41															
50/ 49			.4	.4														8	8	23															
48/ 47		.1		.1														2	2	20															
46/ 45																				12															
44/ 43																				4															
42/ 41																				1															
40/ 39																																			
38/ 37																																			
36/ 35																																			
34/ 33																																			
32/ 31																																			
TOTAL	.4	13.9	17.7	23.1	18.3	15.0	7.6	2.8	.9	.1								891	891	8															
																		891	891																
Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	4548066	62526	70.2	13.421	891	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	4271598	61220	68.7	8.560	891			53.5	31.2	10.2																									
Wet Bulb	3517388	55582	62.4	7.502	891			29.7	8.2																										
Dew Point	3079680	51820	58.2	8.602	891		.2	18.6	1.1																										

PSYCHROMETRIC SUMMARY

75-84

$\frac{90}{\text{MONTI}}$

PAGE 2 1200-
HOURS (L.

[illegible]

PSYCHROMETRIC SUMMA

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

GCI
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-84

YEARS

057

MONTH

PAGE 2 1500-170
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY

75-84

OCT
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Po				
82/ 81									.1										1	1				
80/ 79						.1	.1	.1		.1									4	4				
78/ 77						.2	.2		.2										6	6				
76/ 75			.2	.1	.5	.7	.2	.2											17	17				
74/ 73			.5	.8	.7	1.4		.9	.1	.1									39	39				
72/ 71			.1	1.3	.9	.6	.2		.3										30	30	3			
70/ 69		.8	1.7	.8	1.4	1.4	.3	.1	.2										53	53	6			
68/ 67		.3	1.3	.8	1.4	.9	1.4	.9		.1									62	62	31			
66/ 65		.9	1.0	1.3	1.8	.3	1.5	.6	.1										66	66	36			
64/ 63	.3	1.1	.6	2.1	.9	1.5	.9	.7	.1										72	72	59			
62/ 61	.1	.8	1.1	1.4	1.3	1.1	1.3	.7	.1										67	67	48			
60/ 59	.1	.2	1.5	.7	1.4	1.7	.9	.1											58	58	54			
58/ 57		1.3	1.4	.8	1.1	2.2	.8												56	66	67			
56/ 55		1.3	1.3	.8	2.1	1.4	.5	.1											60	60	61			
54/ 53	.5	.5	.9	1.1	1.9	1.1													53	53	85			
52/ 51		1.1	1.6	1.3	1.6	.7	.1												56	56	53			
50/ 49	.1	.3	1.4	1.5	1.3	.5	.1												45	45	69			
48/ 47		1.1	.8	1.9	1.8	.2													52	52	80			
46/ 45		.1	.7	.7	.6	.1													19	19	55			
44/ 43		.5	.6	1.1	.6														24	24	58			
42/ 41		.5	.6	.6	.3	.1													18	18	36			
40/ 39			.1		.1														2	2	33			
38/ 37		.1	.1	.3	.1														6	6	26			
36/ 35				.1															1	1	6			
34/ 33																					5			
32/ 31																					5			
30/ 29																					1			
28/ 27																								
26/ 25																								
24/ 23																								
20/ 19																								
18/ 17																								
TOTAL	1.1	10.7	16.6	19.2	21.7	16.2	8.3	4.4	1.4	.3									877	877	877			
Element (X)	Σ x ²		Σ x		X		x _n		No. Obs.		Mean No. of Hours with Temperature								Total					
Rel. Hum.	3785229		55787		63.6		16.433		877		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb	3160576		52046		59.3		9.058		877				22.5	7.1	.2		9							
Wet Bulb	2486082		46090		52.6		8.538		877			.6	4.2				5							
Dew Point	1974739		40523		46.2		10.807		877			9.9	1.6				9							

USAFETAC FORM 0-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7242ND FT KNOX/GODMAN AAF KY

75-84

YEARS

OCT
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 75					.4													3	3																
74/ 73			.1	.3			.1											4	4																
72/ 71		.3	.1	.4	.8	.5	.3											18	18	1															
70/ 69		.3	1.3	.4	.8	.1	.1											23	23	5	3														
68/ 67		1.1	.9	.4	1.4	.1												31	31	13	5														
66/ 65	.1	1.7	1.9	1.7	.1	.3	.1											46	46	20	10														
64/ 63	.5	2.0	2.0	1.1	.6	1.1	.3											61	61	40	33														
62/ 61	.1	.4	1.0	2.4	1.1	1.0	.3	.1										51	51	45	27														
60/ 59	.3	1.4	3.1	2.2	1.7	.8	.1											74	74	45	24														
58/ 57	.1	1.7	1.8	1.5	1.3	.8	.5	.1										61	61	43	27														
56/ 55		1.3	2.3	.9	1.3	.4												48	48	55	50														
54/ 53	.4	.9	1.0	1.4	2.9	.3	.1											55	55	69	43														
52/ 51		2.3	2.0	2.0	1.4	.9												73	73	56	51														
50/ 49		.4	1.7	2.4	.8	.1												42	42	55	45														
48/ 47		1.1	1.7	2.3	.1													41	41	60	50														
46/ 45		1.1	2.3	1.7	.9													47	47	62	47														
44/ 43		.5	3.4	1.4	.8													48	48	50	38														
42/ 41		.5	1.8	1.0														26	26	56	49														
40/ 39			1.0	.5														12	12	38	52														
38/ 37		.5	.5	.3														10	10	37	55														
36/ 35			.3	.1														3	3	17	46														
34/ 33			.4	.1														4	4	8	43														
32/ 31			.3															2	2	2	21														
30/ 29																				4	26														
28/ 27																				2	14														
26/ 25																					5														
24/ 23																					4														
22/ 21																					7														
20/ 19																					1														
18/ 17																					1														
TOTAL	1.5	17.5	31.7	24.5	16.3	6.3	1.9	.3										793	793	783															
																						793	783												
Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	Z ₅	Z ₆	Z ₇	Z ₈	No. Obs.	Mean No. of Hours with Temperature						Total																			
Rel. Hum.	4179376	56164	71.7	13.885	783	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	2456400	43313	55.3	8.794	783		2	9.4	8			93																							
Wet Bulb	2061902	39586	50.6	8.756	783		1.0	2.3				93																							
Dew Point	1739086	35976	45.9	10.494	783		8.9	1.0				93																							

USAFETAC FORM 44 0-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

65
MONTH

HOURS

HOURS

L S T

[illegible]

PSYCHROMETRIC SUMMARY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84

YEARS

60
MONTHS

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

724240	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-78,80,82-84

YEARS

NOV
MONTH

PAGE 1 0000-0200
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70/ 69			.2	.2														2	2						
69/ 67			.3	1.0	.5													11	11						
66/ 65			.5	1.3		.3	.2											14	14	2					
64/ 63		.5	1.1			.2												11	11	2	3				
62/ 61		2.1	.3	1.0	.3	.2	.3	.2										27	27	16	1				
60/ 59	.3	1.7	1.0	1.6	.3													29	28	29	13				
58/ 57		.8	1.8	.2	1.3	.2												29	29	16	24				
56/ 55		1.8	.6	.3	.5	.2												21	21	24	18				
54/ 53		1.0	1.0	.6	.3		.6											22	22	31	19				
52/ 51		.9	2.0	.2	1.6	.9												39	39	15	26				
50/ 49		.8	2.1	.6	.6	.5												29	29	28	10				
48/ 47		1.9	1.1	1.1	.5	.5												32	32	29	20				
46/ 45		1.3	1.1	2.4	.5													37	33	28	23				
44/ 43		1.6	2.7	1.6	.2	.3												40	40	32	40				
42/ 41	.5	.6	1.8	2.9	.3	.3												40	40	44	22				
40/ 39		1.9	1.3	2.1	.3													34	34	45	14				
36/ 37	.5	1.1	1.9	1.9	.5													37	37	32	32				
36/ 35		1.2	1.9	1.8	.6													39	39	32	46				
34/ 33		1.1	4.2	.3														35	35	46	25				
32/ 31		1.4	4.5	1.1														44	44	33	26				
30/ 29			2.9	.2														19	19	51	35				
26/ 27		.5	2.1	.2														17	17	32	36				
26/ 25		.3	.3															4	4	25	39				
24/ 23		.5	.3															5	5	15	19				
22/ 21		.5																3	3	5	31				
20/ 19		.6																4	4	3	37				
18/ 17																				4	23				
16/ 15																					10				
14/ 13																					11				
12/ 11		.2																1	1		4				
10/ 9		.2																1	1	2	3				
8/ 7	.2																	1	1	1					
6/ 5																					2				
4/ 3																					1				
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

724243	FT KNOX/GODMAN AAF KY
STATION	STATION NAME

75-78, 80, 62-84

YEARS

NOV
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

174240
STATION

FT KNOX/GOODMAN AAF KY
STATION NAME

75-76, E2-84

YEARS

NOV
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70/ 69			.3															2	2						
60/ 67		.2		.5														4	4	2					
60/ 65			.2	1.6	.5													14	14	1	2				
64/ 63		.3	1.5	.2		.5												15	15		1				
62/ 61		1.5	.6	1.0			.5											22	22	15					
60/ 59		1.2	1.9	.2			.8											29	29	23	8				
58/ 57	.2	1.0	1.3	1.1	1.0													28	28	22	31				
56/ 55		1.9	.5	.8	.2		.3											24	24	29	13				
64/ 53	.2	1.3	1.0	.5	.2		.6											24	24	18	32				
62/ 51		1.1	1.1	.2	.8	.3	.2											23	23	22	19				
50/ 49		1.3	1.3	.3	.3	.5												23	23	27	15				
46/ 47		1.0	1.3	.6	1.0	.3												29	29	20	13				
46/ 45		1.9	2.4	1.3	.6													39	39	21	22				
44/ 43		1.3	3.1	1.6	.2													41	41	30	26				
40/ 41	.2	1.0	.8	1.9	.3													26	26	44	27				
40/ 39	.3	1.5	1.6	1.5	.5													35	35	45	17				
36/ 37	.3	.8	2.1	2.6	.5													39	39	31	27				
36/ 35	.2	2.4	2.3	2.1														46	46	25	31				
34/ 33		2.3	2.9	.5														35	35	44	34				
22/ 31	.2	1.0	2.9	1.6														35	35	52	34				
20/ 22	.2	1.6	4.2															37	37	41	37				
20/ 27		1.5	1.7															15	15	24	30				
20/ 25		1.3	1.1															15	15	47	45				
24/ 23		.3	.2															3	3	14	20				
22/ 21		.3	.2															3	3	5	30				
20/ 19		1.3																6	8	5	42				
13/ 17		.2																1	1	7	20				
16/ 15																				1	21				
14/ 13																					6				
12/ 11																					3				
10/ 9																					3				
6/ 7	.2																	1	1	1	1				
0/ 5	.3																	2	2	2	1				
4/ 3																					1				
Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-78, #2-24

YEARS

NY
MONTH

PAGE 2

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GODMAN AAF KY

75-84

YEARS

NOV
MONTH

PAGE 1 3600-0840
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 65			1.0	.4	.2														13	17															
64/ 63			1.3	.4	.1	.2													17	17															
62/ 61		.5	1.3	.1	.1		.2												15	16	11														
60/ 59	.1	1.3	1.5		.4	.1													26	28	20														
58/ 57	.4	1.3	1.8	.4	.5	.1													37	37	31	30													
56/ 55		2.0	1.3	.1	.4		.4												38	39	28	21													
54/ 53	.2	1.2	.5	.6	.4	.1	.4												28	28	32	26													
52/ 51		1.5	.6	.6	.6	.1	.4												31	31	27	28													
50/ 49		1.8	.7	.5	.9														32	32	29	27													
48/ 47		1.1	.5	.9	1.0	.2													30	30	27	25													
46/ 45		2.3	1.2	.9	.2														38	38	22	15													
44/ 43	.1	2.5	3.6	1.2	.4	.1													44	44	42	21													
42/ 41		1.5	2.8	.5	.1														40	40	43	36													
40/ 39	.4	.2	4.2	.9	.2														52	52	71	25													
38/ 37		2.2	1.6	1.5	.2														45	45	46	30													
36/ 35	.2	3.7	2.7	1.8															69	69	57	50													
34/ 33		3.2	4.3	.7															67	67	55	57													
32/ 31		2.6	2.8	.2															46	46	64	62													
30/ 29	.2	2.1	3.7																49	49	73	51													
28/ 27		2.3	1.5	.1															33	33	36	47													
26/ 25		1.8																	15	15	49	56													
24/ 23		.7																	6	6	24	33													
22/ 21		.7																	6	6	6	47													
20/ 19		.5																	4	4	7	51													
18/ 17		.7																	6	6	4	26													
16/ 15																					4	17													
14/ 13		.1																	1	1	1	11													
12/ 11		.1																	1	1		4													
10/ 9																					1	4													
8/ 7	.1																		1	1	1	1													
6/ 5	.2																		2	2	2														
4/ 3																																			
2/ 1																																			
Element (X)	Σ x ²	Σ x	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature					Total												
Rel. Hum.																		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

75-54

YEARS

NOV
MONTH

PAGE 2 0600-0300
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS MANUAL ARE CANCELLED

0.5 (0.4)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 0930-1100
HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY :

74-78,82-83

DEC
MONTH

7401

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

[illegible]

PSYCHROMETRIC SUMMARY

74-76, 14-53

YEARS

250
MONTH

PAGE 1 1000-1210
HOURS 11, 5, 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
2/-1	1		.2																1	1	4														
-2/-3																																			
-4/-5			.5																																
-6/-7																																			
-8/-9																																			
-10/-11																																			
-12/-13																																			
-15/-21																																			
TOTAL		.644	.537	.012	.3	.5	.2	.4												497		497													
																				497		497													

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

75-84

YEARS

NOV
MONTH

PAGE 2

ALL
HOURS 11.5.71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
11 / 11		.3																3	3	3	3			
10 / 9		.3																2	2	4	22			
9 / 7	.5																	3	3	3	17			
8 / 5	.1																	4	4	4	11			
4 / 3																					7			
2 / 1																					7			
TOTAL	.920	.528	.720	.012	.3	7.9	5.3	2.7	1.2	.4	.1	.1						6272	6272	6272				
																		6272	6272	6272				

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	26231942	407378	65.0	16.810	6272	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	14981645	297049	47.4	12.067	6272		73.9	45.7	8.7			720
Wet Bulb	11820305	263651	42.0	10.844	6272		147.5	1.6				720
Dew Point	8806980	221140	35.3	12.690	6272		339.6					720

PSYCHROMETRIC SUMMARY

75-84

YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 79							.0											1	1																
75/ 77						.1	.1	.1										13	13																
76/ 75						.1	.2	.0	.1	.0								26	26																
74/ 73				.0	.0	.2	.1	.1	.1	.0	.0							36	36																
72/ 71				.1	.3	.2	.2	.1	.1		.0	.0						66	66																
70/ 69			.1	.2	.4	.3	.2	.3	.1	.1		.0						110	110	2															
65/ 67		.0	.2	.5	.5	.2	.3	.3	.0	.1								146	146	12															
66/ 65		.1	.6	.2	.3	.4	.4	.2	.1	.1	.0							196	196	37	8														
64/ 63		.4	1.1	.5	.2	.4	.2	.1	.2	.0								192	192	97	16														
62/ 61	.0	1.1	.7	.5	.3	.4	.4	.4	.1									244	244	174	48														
60/ 59	.1	1.0	.7	.7	.3	.4	.3	.3	.1									258	258	258	122														
58/ 57	.1	1.1	1.1	.5	.6	.3	.3	.4	.1									282	282	214	232														
56/ 55		1.1	.0	.7	.4	.5	.6	.1	.1									289	289	276	207														
54/ 53	.1	.9	.6	.7	.4	1.0	.9	.1	.0									291	291	254	201														
52/ 51	.0	.7	1.1	.6	1.0	.8	.5	.0										300	300	213	171														
50/ 49	.0	.9	1.1	.9	.9	.8	.2	.1										313	313	252	194														
48/ 47		.9	.9	1.3	1.5	.6	.2											337	337	293	163														
46/ 45		1.3	1.6	1.7	1.2	.4	.0	.0										323	323	280	212														
44/ 43	.0	1.3	2.5	1.5	1.0	.6	.0											437	437	432	255														
42/ 41	.1	.7	1.8	1.9	1.0	.3												365	365	434	248														
40/ 39	.1	1.1	2.2	1.6	.8	.1												367	367	505	203														
38/ 37	.1	1.2	1.7	2.1	.7	.1												370	370	430	284														
36/ 35	.2	1.5	2.1	1.5	.2	.0												343	343	402	395														
34/ 33		1.0	2.2	.8	.1													253	253	432	349														
32/ 31	.0	1.0	2.3	.7	.0													249	249	375	470														
30/ 29	.0	.5	1.6	.1														145	145	334	404														
28/ 27		.7	.7	.0														92	92	209	375														
26/ 25		.5	.3															55	55	176	410														
24/ 23		.2	.1															22	23	79	213														
22/ 21		.3	.1															20	20	31	245														
20/ 19		.4																24	24	23	325														
18/ 17		.1	.1															12	13	24	177														
16/ 15		.1	.0															5	5	10	142														
14/ 13		.1																6	6	8	62														
Element (X)	Σ X ²	Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.										≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

75-84

NOV

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

YEARS

NOV
MONTH

PAGE 1 210G-2300
HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

YEARS

NOV
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>724240</u>	<u>FT KNOX/GODMAN AAF KY</u>
STATION	STATION NAME

75-84

YEARS

NOV
MONTH

PAGE 1 1800-2000
HOURS (C. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

774240	FT KNOX/SCUMAN AAF KY
STATION	STATION NAME

75-84

YEARS

NOV
MONTH

PAGE 2 1500-171
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P	
11	11																																				
10	10																																				
9	9																																				
8	8																																				
7	7																																				
6	6																																				
TOTAL		.2	9.6	14.8	16.5	15.7	12.6	14.1	9.3	4.7	1.7	.2	.3																						872	672	872

Element (X)	Σ x'	Σ x	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2820429	47549	54.5	18.486	872	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2593633	46435	53.3	11.782	872		2.2	15.3	4.4			
Wet Bulb	1879317	39499	45.3	10.172	872		8.1	.4				
Dew Point	1263059	31245	35.8	12.836	872		42.6					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

724240 STATION FT KNOX/GODMAN AAF KY

75-84

YEARS

NOV
MONTH

PAGE 1 1500-17
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew				
80/ 79							.1														1	1		
78/ 77							.1	.2	.5												7	7		
76/ 75							.3	.3	.2	.6	.1										14	14		
74/ 73							.2	.7	.3	.2	.6	.2	.1								21	21		
72/ 71					.2	.3	.7	.5	.2	.6		.2	.1								25	25		
70/ 69				.5	.9	.7	.7	.9	.3	.3		.2									40	40		
68/ 67			.3	.7	.5	.8	1.0	.7		.6											40	40	4	
66/ 65		.5	.7	.7	.6	.1	.8	.9	.5	.5											45	45	13	
64/ 63		.5	1.0	.1	.1	.1	.6	.2	1.1												33	33	27	
62/ 61		.8	.8			.1	.7	1.0	.3												33	33	40	
60/ 59		.2	.2	.7	.1	.3	.9	1.3	.2												35	35	42	
58/ 57		1.1	.6	.3	.2	.3	.8	1.5	.1												44	44	33	
56/ 55		.6	.1	.9	.8	.3	3.1	.6	.2												56	58	47	
54/ 53		.5		.7	.1	1.5	1.8	.3	.1												44	44	23	
52/ 51	.2		.6	1.0	.6	1.0	1.4	.2													44	44	27	
50/ 49		.8	1.0	1.4	.9	.6	.6	.5													50	50	45	
48/ 47		.5	.8	.9	2.3	.9	.2														49	49	56	
46/ 45		1.1	1.1	1.4	2.2	1.0															60	60	54	
44/ 43		.5	1.5	1.5	1.6	1.8															60	60	93	
42/ 41		.1	1.4	1.8	1.1	.7															45	45	55	
40/ 39		.6	1.1	.8	1.5																35	35	69	
38/ 37		.5	.7	1.4	1.5	.3															36	38	63	
36/ 35		.9	.7	.9	.1																23	23	60	
34/ 33		.1	.1	.6																	7	7	43	
32/ 31			.7																		6	6	33	
30/ 29			.2																		2	2	23	
28/ 27		.1	.5																		6	6	7	
26/ 25		.1	.1																		2	2	3	
24/ 23		.1																			1	1	6	
22/ 21		.1																			1	1	3	
20/ 19																								
18/ 17			.3																		3	3		
16/ 15																							3	
14/ 13																								
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5 (OL A)

FORM 54

USAFETAC

PSYCHROMETRIC SUMMA

724240	FT KNOX/GOLDMAN AAF KY
STATION	STATION NAME

75-84

YEARS

NOV
MONTH

PAGE 2 1200-14
HOURS (L. S.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724247 FT KNOX/GODMAN AAF KY

75-84

NOV
MONTH

PAGE 1 1200-
HOURS (L. S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb De															
76/ 77						.2	.3	.1																								6	6	
76/ 75						.1	.8	.1	.3																							12	12	
74/ 73				.2		.3	.1	.3	.3	.1																						13	13	
72/ 71				.1	1.0	.5	.5	.3	.5		.1																					26	26	
70/ 69			.2	.3	1.1	.3	.9	.9	.2	.1			.1																			38	38	2
68/ 67			.3	.9	1.8	.1	.6	1.0	.3	.3																						48	48	5
66/ 65		.2	.6	.6	.1	1.1	.8	.2	.2	.1	.1																					36	36	12
64/ 63		.5	.7		.1	.5	.2	.7	.2																							25	25	27
62/ 61		.7	.1	.2	.1	.2	.9	1.0	.3																							32	32	34
60/ 59		.5	.2	.1	.1	.7	1.1	.8	.1																							32	32	46
58/ 57	1.1	1.0	.2	.5	.3	.6	1.1	.1																								48	48	23
56/ 55	.7	.6	.6	.5	1.1	1.3	.2	.2																								45	45	44
54/ 53	.3	.3	.7	.1	1.7	1.3	.3																									42	42	37
52/ 51	.5	1.1	1.0	.9	1.6	1.0																										53	53	23
50/ 49	.1	.6	1.0	1.3	1.4	.3																										41	41	45
48/ 47	.8	.3	1.3	1.3	1.6	.5																										55	55	52
46/ 45	1.4	1.6	2.5	1.4	1.0	.2																										71	71	42
44/ 43	.8	1.5	1.1	1.5	1.1																											53	53	87
42/ 41	.3	1.5	2.0	2.0	.2																											52	52	57
40/ 39	.3	1.6	1.5	.8	.2																											39	39	76
38/ 37	.2	1.3	2.2	.9																												40	40	69
36/ 35	.5	.5	.6	1.1	.2	.1																										26	26	51
34/ 33		.3	.6																													8	8	55
32/ 31	.3	1.0	.1	.1																												14	14	31
30/ 29		.3																														3	3	23
28/ 27		.1																														1	1	12
26/ 25		.5	.3																													7	7	6
24/ 23		.1																														1	1	5
22/ 21			.1																													1	1	3
20/ 19																																		1
18/ 17			.1																													1	1	
16/ 15		.1	.1																													2	2	
14/ 13																																		3
12/ 11																																		
Element (X)	Σ X'					Σ X					X̄					σ _x					No. Obs.					Mean No. of Hours with Temperature						Tot		
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

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

PSYCHROMETRIC SUMMARY

YEARS

NO
MONTHS

PAGE 2 0900-
HOURS (L.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

Page 2 0300-1
HOURS (L.S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	De			
2/-1		1.0																	5	5	2			
0/-1		.2																	1	1	3			
-2/-3		.2																	1	1	1			
-4/-5		.4																	2	2	1			
-6/-7																					2			
-8/-9																								
-12/-13																								
-14/-15																								
-16/-17																								
-18/-19																								
-20/-21																								
TOTAL	1.449	736.8	8.7	3.2	.2														495	495	495			

PSYCHROMETRIC SUMMA

<u>724240</u>	<u>FT KNOX/GODMAN AAF KY</u>
STATION	STATION NAME

74-83

YEARS

DEC
MONTH

PAGE 1 0600-0
HOURS (L. 5)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew														
60/ 67			.3															2	7																
66/ 65			.5	.3														6	6																
64/ 63		.3	.1	.1														4	4	2															
62/ 61		.3	.5															6	6	8															
60/ 59		1.1	.1															9	9	5															
58/ 57	.1	.5	.7	.5	.4													17	17	12															
56/ 55		.9		.3														9	9	5															
54/ 53		.7	.9															12	12	17															
52/ 51		.3	.3		.5	.7												13	13	10															
50/ 49	.3	.1	1.7	.4	.3	.1												22	22	12															
48/ 47		.9	.4	.5														14	14	13															
46/ 45		.8	2.0	.4	.1													25	25	13															
44/ 43		1.9	.9	.3	.1													24	24	26															
42/ 41	.3	1.2	1.5	1.1	.3													32	32	37															
40/ 39		2.1	2.9	.5	.3													47	47	12															
38/ 37	.4	2.3	2.5	1.1	.1													48	42	48															
36/ 35		1.7	4.5	.4														50	50	36															
34/ 33	.1	4.9	2.8	.5	.1													64	64	60															
32/ 31	.4	4.1	4.0	.3														70	70	75															
30/ 29		2.9	3.7															50	50	55															
28/ 27	.3	3.2	3.1															49	49	53															
26/ 25	.5	2.8	1.1															33	33	70															
24/ 23		1.5	.7															16	16	35															
22/ 21	.1	4.0	.8															37	37	27															
20/ 19	.3	2.1	.5															22	22	32															
18/ 17	.1	1.5	.1															13	13	24															
16/ 15	.4	.7	.1															9	9	16															
14/ 13		.5	.3															6	6	4															
12/ 11	.1	1.3																11	11	8															
10/ 9		.5																4	4	10															
8/ 7		1.1																8	9	3															
6/ 5		.3																2	2	10															
4/ 3	.3																	2	2	2															
2/ 1	.1	.5																5	5	1															
Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

74-83

DE
MONT

PAGE 2 0600-
HOURS IL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb				
0/-1	.4	.1																						
-2/-3		.4																						
-4/-5																								
-6/-7																								
-8/-9																								
-12/-13																								
-14/-15																								
-16/-17																								
-18/-19																								
TOTAL	4.3	47.7	37.3	7.6	2.3	.0													748	748				

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	4191339	55211	73.8	12.869	748	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	987198	25472	34.1	12.663	748	.9	42.8	.2			
Wet Bulb	847956	23498	31.4	12.123	748	1.4	53.7				
Dew Point	663525	19677	26.3	13.975	748	4.0	67.5				

PSYCHROMETRIC SUMMA

74-83

YEARS

DEC
MONTH

PAGE 1 8900-1
HOURS 11 5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew			
74/ 73					.1													1	1					
72/ 71					.1													1	1					
70/ 69				.2														2	2	7				
68/ 67				.1														1	1					
66/ 65			.5															2	2		3			
64/ 63		.3	.1	.1														5	5		2			
62/ 61		.9	.1	.1														10	10		7			
60/ 59		.3	.1	.1	.3													10	10		10			
58/ 57		.5		.5														8	8		3			
56/ 55		.7	.8		.2													15	15		8			
54/ 53		.9	.5	.5	.9		.2											27	27		11			
52/ 51		.5	.6	.2	.5													15	15		19			
50/ 49	.5	.5	1.2	.2	.1	.2	.1											24	24		14			
48/ 47		.9	.2	.7	.3	.1												25	25		19			
46/ 45		1.9	.9	1.1	.3													37	37		29			
44/ 43		2.1	1.6	.9	.6													46	46		29			
42/ 41	.1	1.2	1.2	2.0	.6													46	46		38			
40/ 39		2.0	3.2	.9	.6													59	59		35			
38/ 37		2.4	3.2	1.7	.2													66	66		53			
36/ 35		2.1	4.4	2.0														76	76		66			
34/ 33	.5	4.3	3.5	1.2														93	83		85			
32/ 31	.1	3.4	3.3	1.6														79	79		95			
30/ 29		.3	2.3	3.5	.5													58	58		80			
28/ 27	.3	2.0	2.3	.1														42	42		68			
26/ 25		2.1	.8															26	26		57			
24/ 23	.1	1.2	.6															17	17		41			
22/ 21		.9																15	15		18			
20/ 19	.1	1.8	.7															23	23		20			
18/ 17	.1	1.2	.5															16	16		19			
16/ 15		.6	.1															6	6		16			
14/ 13		.6	.1															6	6		5			
12/ 11		1.5	.1															14	14		7			
10/ 9		.9																5	5		15			
8/ 7		.5																4	4		7			
Element (X)	Σ X ²	Σ X																Mean No. of Hours with Temperature						
Rel. Hum.																		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

74-33

YEARS

5 MONTH

PAGE 2 2900-11
HOURS 11. 5. T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P.														
5/-5			.1																1	1	4														
4/-3			.2																2	2	1														
2/-1			.3																3	3	2														
0/-1		.2	.3																4	5	7														
-2/-3			.1																1	1	1														
-4/-5																					1														
-6/-7																																			
-8/-9																																			
-10/-11																																			
-12/-13																																			
-16/-17																																			
-18/-19																																			
TOTAL	2.141	6.35	14.8	4.9	.7	.3													885	385	885														

PSYCHROMETRIC SUMMARY

74-83

YEARS

DEC
MONTH

PAGE 1 ~~1200-1466~~
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724240 FT KNOX/GOODMAN AAF KY

74-83

UFC
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
5/ 7		.1																1	1	7				
6/ 5		.1																1	1	1				
4/ 3		.1																1	1	1				
2/ 1		.5																4	4	1				
0/ -1																				4				
-2/ -3																								
-4/ -5																								
-6/ -7																								
-8/ -9																								
-10/-11																								
-12/-13																								
-14/-15																								
-16/-17																								
TOTAL	.724	.326	.726	.115	.5	5.0	2.1	.2	.1									885	885	885				

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	s_x	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	3757486	55980	63.315.650	885	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1576468	35830	40.511.932	885		18.5	1.2	.5			9.2
Wet Bulb	1243129	31683	35.611.098	885	.4	33.1	.1				9.2
Dew Point	871907	25045	28.313.585	885	2.5	62.2					5.1

USAFETAC FORM 0-5 (OLA) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

YEARS

DEC
MONTH

PAGE 1 1500-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P.													
73/ 77							.1											1	1															
76/ 75							.1											1	1															
74/ 73					.1	.2	.1											4	4															
70/ 69					.1													1	1															
68/ 67			.3		.5	.1												8	3	2														
66/ 65			.5	.1					.1									6	6	3														
64/ 63		.6	.7		.5	.6			.1									21	21	6														
62/ 61		.2	.2	.6	1.1	.3	.1											23	23	6														
60/ 59		.3	.3	.5	.6	.3	.5		.1	.1								24	24	14														
58/ 57		.2	.3	.3	.1	.6	.2	.1	.1									15	15	10														
56/ 55		.3	.3	.3	.3	.3	.5		.1									24	24	16														
54/ 53	.2		.5	.2	.5	.9	.7											26	26	22														
52/ 51		.5	.1	.6	.7	1.2	.2											29	29	18														
50/ 49		1.1	.1	.3	1.2	1.4	.3											40	40	12														
48/ 47		1.4	.5	.7	2.0	1.1	.3											57	57	31														
46/ 45		1.7	1.5	.9	1.2	.2												49	49	33														
44/ 43		1.2	.8	2.1	1.8	1.4												65	65	52														
42/ 41		.7	2.3	1.8	2.4	1.7												72	72	57														
40/ 39	.1	1.5	2.5	2.1	2.5	.5												91	81	65														
38/ 37		1.9	2.4	1.9	1.7													64	64	69														
36/ 35		1.1	1.4	2.6	.3													50	50	82														
34/ 33		1.6	1.7	2.1	.9													58	58	82														
32/ 31	.2	1.5	1.7	2.3	.9													52	52	77	10													
30/ 29		.5	1.2	.8	.1													23	23	60	4													
28/ 27		.5	1.2	.6														22	22	34	5													
26/ 25		.1	.9	.1														10	17	40	5													
24/ 23		.2		.2														4	4	19	4													
22/ 21			.5															4	4	16	4													
20/ 19		.3	.9	.3														14	14	2	5													
18/ 17		.1	1.1															11	11	6	2													
16/ 15		.2	.3															5	5	19	5													
14/ 13		.7	.6															14	14	4	1													
12/ 11																				10	1													
10/ 9		.1																1	1	8	1													
Element (X)	Σ X'	Σ X	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature																
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

10

✓

YEARS

DEC
MONTH

HOURS (L. S. T.)

FORM
BK 64
0-2-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

74-83

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1300-20.0
HOURS (C. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
27 - 1																						7	
0/-1																						9	
-2/-3		.3																2	2			6	
-4/-5		.2																1	1	2		2	
-5/-7																				1		1	
-5/-9																						1	
-10/-11																						2	
-20/-21																						3	
TOTAL	27.2	29.6	29.6	3.8	3.9	.9												646	645	646	646		

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2899032	42276	65.4	14.326	646	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1122992	25532	39.5	12.065	646	.4	23.7	.9	.1			93
Wet Bulb	890040	22816	35.3	11.425	646	.4	37.9					93
Dew Point	643499	18347	28.4	13.777	646	3.3	60.2					53

PSYCHROMETRIC SUMMARY

74-83

YEARS

120
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

YEARS

1155

MONTH

PAGE 2 2100-2340
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
2/-1																						6		
3/-1																						7		
-2/-3																			1	1		3		
-4/-5																			2	2	1	4		
-6/-7																					2	3		
-5/-9																						7		
-14/-19																						2		
-20/-21																						1		
TOTAL	38.136	720.3	5.5	2.4																616	616	616		

Element (X)	Σ x ¹	Σ x	$\bar{x}$	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3013927	42311	68.70	3.235	616	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	964735	23158	37.61	2.372	616	.5	28.8	.9				93
Wet Bulb	796523	20947	34.01	1.702	616	.5	43.6					93
Dew Point	595268	17170	27.81	3.774	616	3.5	61.4					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

124040 FT KNOX/GODMAN AAF KY

74-83

YEARS

DEC
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70 / 77							.0											1		1				
74 / 75						.0	.0											2		2				
74 / 73					.0	.1	.1											9		9				
72 / 71					.1	.0	.0											10		10				
70 / 69					.1	.1												0		0				
68 / 67			.1	.1	.1	.0												19	19	3				
66 / 65		.4	.5	.2	.1				.0									44	44	17				
64 / 63		.4	.4	.3	.2	.1	.0	.0	.0									79	79	23				
62 / 61		.6	.3	.2	.2	.1	.1		.0									62	62	27				
60 / 59		.6	.2	.2	.4	.1	.1		.0	.0								86	86	69				
58 / 57	.0	.6	.3	.5	.3	.2	.1	.0	.0									110	110	67				
56 / 55		.4	.5	.4	.3	.2	.1	.0										115	115	64				
54 / 53	.1	.6	.7	.3	.5	.2	.2											144	144	91				
52 / 51	.1	.6	.6	.3	.6	.7	.1											162	162	128				
50 / 49	.1	.6	.7	.6	.7	.5	.1											183	183	107				
48 / 47		1.1	.7	.6	1.0	.3	.1											220	220	148				
46 / 45		1.1	1.3	1.0	.8	.1												242	242	169				
44 / 43		1.6	1.4	1.1	.8	.2												298	298	216				
42 / 41	.1	1.3	1.0	1.6	.9	.2												347	347	290				
40 / 39	.0	2.2	2.6	1.7	1.0	.1												431	431	305				
38 / 37	.1	2.4	2.5	2.2	.3	.7												441	441	414				
36 / 35		1.2	3.2	2.3	.1													423	423	405				
34 / 33	.1	3.0	2.7	1.6	.2													429	429	503				
32 / 31	.1	3.1	3.4	1.6	.2													477	477	511				
30 / 29	.1	1.6	2.4	.4	.0													252	252	460				
28 / 27	.1	1.6	1.7	.5														221	221	356				
26 / 25	.1	1.5	1.2	.1														151	161	324				
24 / 23	.0	.9	.9	.0														79	79	200				
22 / 21	.0	1.4	.6															112	112	155				
20 / 19	.1	1.1	.7	.1														111	111	100				
18 / 17	.0	.6	.0															70	70	75				
16 / 15	.1	.5	.3															44	44	95				
14 / 13		.7	.2															51	51	39				
12 / 11	.1	.8	.1															54	54	56				
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ^2		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

✓

RELATIVE HUMIDITY

— 25 —

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
AUG	00-03	100.0	100.0	100.0	100.0	100.0	96.7	87.6	51.2	5.5	70.4	557
	03-06	100.0	100.0	100.0	100.0	100.0	99.5	96.0	71.5	5.2	84.5	552
	06-09	100.0	100.0	100.0	100.0	100.0	99.4	93.7	72.2	25.3	84.3	571
	09-11	100.0	100.0	100.0	99.5	95.4	78.1	51.9	24.5	4.7	71.0	530
	12-14	100.0	100.0	99.4	93.4	71.8	42.7	21.2	9.6	1.7	59.6	571
	15-17	100.0	100.0	98.6	89.1	63.9	34.4	16.2	8.5	2.6	56.7	471
	18-20	100.0	100.0	99.6	96.9	86.4	64.2	37.1	17.6	7.1	66.1	645
	21-23	100.0	100.0	100.0	100.0	98.9	94.3	71.7	36.7	7.0	76.3	717

0-87-5 (OL A)

RELATIVE HUMIDITY

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUL	00-02	100.0	100.0	100.0	100.0	100.0	95.8	79.2	32.2	5.1	76.7	54
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	91.9	55.6	14.1	82.0	665
	06-08	100.0	100.0	100.0	100.0	100.0	98.8	87.9	57.4	13.3	82.0	591
	09-11	100.0	100.0	100.0	99.3	91.1	68.3	33.9	15.7	3.6	67.4	911
	12-14	100.0	100.0	99.8	91.6	65.7	36.7	16.7	7.0	1.7	57.6	970
	15-17	100.0	100.0	99.2	87.1	53.9	29.2	15.1	6.5	1.3	54.9	878
	18-20	100.0	100.0	100.0	96.1	77.1	51.2	28.5	10.7	2.4	62.2	850
	21-23	100.0	100.0	100.0	100.0	98.6	97.7	58.9	27.2	4.3	73.2	717
TOTALS		100.0	100.0	99.9	96.6	85.8	70.9	52.1	26.5	5.3	69.5	5366

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RELATIVE HUMIDITY

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-04	100.0	100.0	100.0	100.0	100.0	95.9	73.7	39.1	5.6	77.1	540
	05-09	100.0	100.0	100.0	100.0	100.0	98.4	87.4	56.5	14.1	81.4	644
	10-14	100.0	100.0	100.0	100.0	99.7	96.0	82.6	53.6	15.4	80.4	668
	15-19	100.0	100.0	100.0	98.1	88.0	63.0	35.0	19.1	5.0	66.5	900
	20-24	100.0	100.0	99.6	90.1	64.1	34.6	20.1	9.9	2.0	57.5	900
	25-29	100.0	100.0	99.1	82.7	54.8	29.6	15.0	7.0	1.7	54.6	684
	30-34	100.0	100.0	99.9	93.8	74.3	45.0	24.4	10.0	2.0	60.6	852
	35-39	100.0	100.0	100.0	100.0	97.3	84.1	52.8	25.3	3.5	72.0	720
	40-44											
TOTALS		100.0	100.0	99.8	95.6	84.8	68.4	49.0	27.0	6.1	65.5	6201

USAFETAC FORM 0-87-5 (OL A)
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84

PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.4	96.6	85.6	59.2	22.5	0.2	72.7	471
	03-05	100.0	100.0	100.0	99.6	97.2	90.4	76.2	35.0	9.8	75.6	602
	06-08	100.0	100.0	100.0	100.0	97.5	98.6	70.4	37.0	11.7	76.3	634
	09-11	100.0	100.0	99.7	92.4	74.5	54.3	33.2	16.4	3.9	63.1	724
	12-14	100.0	100.0	96.0	74.7	49.7	33.1	21.5	10.9	1.9	54.6	924
	15-17	100.0	99.8	93.5	67.5	42.8	27.9	19.5	8.8	1.3	51.5	974
	18-20	100.0	100.0	96.1	79.5	56.7	39.0	24.4	13.2	2.0	57.1	664
	21-23	100.0	100.0	100.0	97.6	88.4	65.6	39.6	19.0	5.1	67.2	672
TOTALS		100.0	100.0	98.2	86.9	75.4	60.6	42.0	20.6	5.4	64.9	6245

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

✓

75-24

PERIOD

400
MONTH

4

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FORM
JUL 64

RELATIVE HUMIDITY

724247
STATION

FT KNOX/GOLDMAN AAF KY
STATION NAME

75-84

PERIOD

4 A P
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	95.7	86.5	67.1	40.2	23.9	7.3	67.4	455
	03-05	100.0	100.0	100.0	99.4	90.1	74.4	49.5	26.0	7.5	70.0	455
	06-08	100.0	100.0	100.0	99.9	93.2	79.6	52.7	30.1	8.4	72.0	679
	09-11	100.0	100.0	99.4	74.2	80.2	58.1	36.3	20.5	4.4	65.0	930
	12-14	100.0	99.5	93.8	76.1	57.4	39.9	26.1	12.3	1.4	56.4	930
	15-17	100.0	98.8	87.5	66.3	49.6	33.3	22.3	10.4	1.3	52.8	930
	18-20	100.0	99.5	93.4	76.0	57.2	40.3	25.8	13.8	1.0	56.6	679
	21-23	100.0	100.0	99.0	92.2	72.8	51.9	33.0	18.2	4.2	62.7	617
TOTALS		100.0	99.7	96.6	87.5	73.4	55.6	35.7	19.4	4.5	62.9	6295

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84

PERIOD

FEE
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	97.2	91.0	69.3	41.8	21.5	3.9	68.2	43
	03-05	100.0	100.0	100.0	99.5	93.6	76.9	49.4	26.3	5.6	70.3	41
	06-08	100.0	100.0	100.0	100.0	96.9	83.9	57.3	25.8	4.0	72.4	79
	09-11	100.0	100.0	100.0	97.5	90.2	72.2	44.4	21.5	3.3	68.4	64
	12-14	100.0	100.0	98.2	88.8	70.9	43.9	26.5	13.4	2.6	60.0	64
	15-17	100.0	99.9	94.2	82.7	58.1	36.7	22.3	13.8	1.5	56.4	64
	18-20	100.0	100.0	97.5	86.7	67.2	42.5	23.1	13.8	2.4	59.7	79
	21-23	100.0	100.0	99.6	96.4	81.4	55.1	34.0	17.3	3.4	64.4	74
TOTALS		100.0	100.0	98.7	93.9	81.2	60.1	38.7	19.2	3.5	65.0	572

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

75-84

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	98.7	92.6	76.1	52.3	22.7	2.7	71.3	502
	03-05	100.0	100.0	100.0	99.7	95.4	92.0	57.9	27.2	4.0	72.4	603
	06-08	100.0	100.0	100.0	99.6	93.7	85.3	61.5	31.3	7.6	73.4	621
	09-11	100.0	100.0	99.7	99.0	93.1	79.5	51.2	25.9	3.8	71.4	885
	12-14	100.0	100.0	99.2	94.6	79.2	55.5	35.0	17.9	5.1	64.6	686
	15-17	100.0	100.0	98.2	89.1	67.5	48.4	27.7	16.0	4.7	60.6	686
	18-20	100.0	100.0	98.6	95.7	80.6	59.9	35.4	17.8	4.6	64.6	611
	21-23	100.0	100.0	99.9	97.4	89.4	72.6	43.0	20.9	4.0	66.3	721
TOTALS		100.0	100.0	99.5	96.6	86.4	70.8	45.5	22.5	5.5	68.2	5274

USAFETAC FORM 0-87-5 (OL A)
JUL 64

LOCAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/AFAC

MEANS AND STANDARD DEVIATION

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

74-84		STATION NAME												YEARS											
STATION		STATION NAME												YEARS											
HRS EST		STATION NAME												YEARS											
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIO

NET-RULE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

124240 FT HANX/GODMAN AAF KY

74-84

STATION	STATION NAME	YEARS												
HRS (LST)	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNU
00-02	MEAN	24.0	33.1	38.6	45.4	54.0	63.0	66.3	66.6	59.0	49.4	40.6	33.1	40
	S D	11.755	10.636	9.952	9.087	7.637	5.728	5.174	4.689	7.811	9.166	11.142	12.729	16.4
	TOTAL OBS	593	433	465	450	471	540	549	557	597	651	622	497	54
03-05	MEAN	23.9	32.0	37.6	44.0	52.4	61.5	65.5	65.6	57.8	48.1	39.7	32.4	40
	S D	12.165	10.888	10.433	9.500	8.073	6.211	5.339	5.029	8.066	9.409	11.473	12.796	16.3
	TOTAL OBS	603	429	465	466	602	644	665	652	674	722	618	495	70
06-08	MEAN	24.0	27.7	36.1	43.9	53.0	62.6	66.9	66.1	58.0	47.3	36.7	31.4	46
	S D	11.998	12.469	10.678	9.207	8.094	6.333	5.357	5.213	8.086	9.400	10.311	12.123	17.1
	TOTAL OBS	821	786	579	855	884	868	892	871	851	891	815	745	101
09-11	MEAN	25.4	30.4	39.3	45.2	58.0	66.7	70.7	69.9	62.4	51.5	41.8	32.7	50
	S D	12.062	11.922	10.690	9.240	7.813	5.759	4.992	4.908	7.502	8.651	10.452	11.424	17.7
	TOTAL OBS	884	843	930	950	924	970	911	932	891	922	870	885	107
12-14	MEAN	28.5	34.4	42.3	50.6	60.1	68.2	72.1	71.3	64.5	54.4	44.9	35.0	52
	S D	11.556	11.409	10.637	8.875	7.549	5.673	4.873	4.553	7.192	8.559	10.376	11.098	16.9
	TOTAL OBS	856	843	930	970	924	970	908	930	891	924	871	885	107
15-17	MEAN	29.4	35.6	43.2	51.6	60.4	68.3	72.1	71.6	64.7	54.9	45.3	36.5	52
	S D	11.063	11.118	10.295	8.427	7.230	5.480	4.626	4.526	6.969	8.440	10.172	11.052	16.5
	TOTAL OBS	388	843	930	897	904	884	876	921	873	912	872	885	106
18-20	MEAN	23.0	33.6	41.6	50.0	59.0	67.2	71.2	70.6	63.0	52.6	42.8	35.3	51
	S D	10.763	11.166	9.936	8.315	7.264	5.454	4.631	4.547	7.226	8.538	10.361	11.426	16.6
	TOTAL OBS	311	748	879	852	864	852	850	843	837	877	819	840	99
21-23	MEAN	26.4	31.0	39.4	47.6	56.2	64.8	68.6	68.2	60.6	50.6	41.2	34.0	46
	S D	11.170	11.179	9.759	8.442	7.322	5.664	4.926	4.759	7.473	8.756	10.445	11.702	16.5
	TOTAL OBS	741	741	817	776	672	773	717	717	728	793	785	616	88
ALL HOURS	MEAN	26.5	32.3	40.0	48.1	57.1	65.6	69.5	69.0	61.9	51.3	42.0	34.0	50
	S D	11.721	11.712	10.594	9.238	8.137	6.288	5.536	5.298	7.964	9.232	10.844	11.812	17.0
	TOTAL OBS	6274	5725	6295	6296	6245	6291	6368	6471	6341	6691	6272	5657	746

USAF ETAC FORM OCT 75 0-89.5 (OL A)

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATION

WY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

74-84 STATION FI KNOX/BOOMAN AAF KY
STATION NAME

74-84

YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AN
70-02	MEAN	27.1	36.7	43.0	51.1	58.8	67.6	71.3	70.6	62.9	52.9	44.7	36.1	
	S D	12.63	11.7	11.10	10.30	7.96	5.90	5.51	4.56	8.31	9.00	11.51	13.42	10
	TOTAL OBS	598	433	465	450	471	543	549	557	597	650	622	497	
73-15	MEAN	26.1	35.2	41.4	48.6	56.4	65.0	69.2	66.7	60.9	51.1	43.4	35.1	
	S D	12.93	11.68	11.21	10.20	8.18	6.25	5.54	4.95	8.42	9.40	11.69	13.43	10
	TOTAL OBS	603	429	465	466	602	644	655	652	675	722	618	495	
76-09	MEAN	26.1	30.2	39.5	48.4	57.7	66.5	70.7	69.1	60.9	50.1	42.0	34.1	
	S D	12.64	13.25	11.40	9.73	8.19	6.49	5.61	5.15	8.26	9.43	11.20	12.66	10
	TOTAL OBS	322	790	879	855	884	868	890	871	853	891	815	748	
78-11	MEAN	27.7	33.7	44.2	55.5	65.7	74.4	78.7	76.7	68.7	56.9	45.3	35.0	
	S D	12.67	13.10	12.57	10.39	8.60	6.44	5.84	5.64	8.56	9.12	11.20	11.97	10
	TOTAL OBS	888	843	930	900	924	900	911	930	891	922	870	885	
81-14	MEAN	22.0	34.5	49.5	60.9	70.6	79.0	83.5	82.0	74.0	63.5	52.3	40.9	
	S D	12.48	13.19	12.98	11.36	9.03	6.61	6.05	6.00	8.61	9.91	11.80	11.93	10
	TOTAL OBS	888	843	930	900	924	900	908	930	891	924	871	885	
83-17	MEAN	33.7	41.6	51.6	62.6	72.0	80.2	84.6	83.3	76.1	65.0	53.3	41.7	
	S D	12.28	13.17	13.04	11.21	8.95	6.54	6.28	5.94	8.66	10.02	11.76	11.95	10
	TOTAL OBS	888	843	930	897	904	884	876	901	873	912	872	885	
85-20	MEAN	21.5	36.6	48.6	59.5	68.6	76.8	81.1	79.1	70.6	59.3	48.7	39.5	
	S D	11.58	12.64	12.07	10.43	8.67	6.52	5.90	5.65	8.51	9.05	11.72	12.65	10
	TOTAL OBS	911	798	879	852	864	852	85	843	837	877	819	646	
87-27	MEAN	29.2	35.8	44.8	54.6	62.6	70.8	74.9	73.4	65.5	55.3	45.9	37.6	
	S D	11.91	12.22	11.12	9.49	7.79	5.95	5.28	4.81	7.98	8.79	10.89	12.37	10
	TOTAL OBS	731	741	617	776	672	703	717	717	720	783	785	610	
ALL HOURS	MEAN	29.4	36.5	45.8	55.9	64.8	73.2	77.3	76.0	68.0	57.1	47.4	37.8	
	S D	12.67	13.49	12.67	11.60	10.20	8.41	8.07	7.66	10.17	10.77	12.06	12.65	10
	TOTAL OBS	6275	5726	6295	6056	6245	6291	6368	6401	6345	6681	6272	5657	

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMM

124240 FT KNOX/GOJMAN AAF KY

74-84

YEARS

AL

PAGE 2

AL

HOURS (L)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb																	
34/ 33	.1	.9	1.1	.5	.1	.0																									1991	1991	2554			
32/ 31	.0	.9	1.2	.6	.1																										2132	2132	2419			
30/ 29	.0	.6	.9	.2	.0																										1306	1306	2190			
28/ 27	.0	.7	.6	.2	.0																										1154	1154	1673			
26/ 25	.0	.6	.5	.1																											967	968	1711			
24/ 23	.0	.3	.3	.0																											476	476	1139			
22/ 21	.0	.4	.3	.0																											542	542	783			
20/ 19	.0	.6	.3	.0																											659	660	534			
18/ 17	.0	.3	.2																												422	423	615			
16/ 15	.0	.3	.1																												322	322	485			
14/ 13	.0	.3	.1																												246	247	317			
12/ 11	.0	.3	.0																												250	250	281			
10/ 9	.0	.2	.0																												200	200	276			
8/ 7	.0	.2	.0																												176	176	218			
6/ 5	.0	.1																													113	113	179			
4/ 3	.0	.1																													95	95	114			
2/ 1	.0	.1																													99	99	87			
0/ -1	.0	.0																													57	57	83			
-2/ -3	.0	.0																													38	33	41			
-4/ -5	.0	.0																													25	26	29			
-6/ -7	.0	.0																													20	21	30			
-8/ -9	.0																														5	5	6			
-10/-11	.0																														5	5	5			
-12/-13	.0																														5	5	5			
-14/-15	.0																														4	4	4			
-16/-17																																				
-18/-19																																				
-20/-21																																				
-22/-23																																				
-24/-25																																				
-26/-27																																				
-28/-29																																				
-30/-31																																				
TOTAL	1.221	3.24	1.16	7.11	3.8	4	6	4	4	9	3	1	1	6	.6	.2	.1	.0													74656	74656	74656			
Element (X)	Σ X'			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ		
Rel. Hum.	349800390			4949520			66.3			17.018			74647			= 0 F			= 32 F			= 67 F			= 73 F			= 80 F			= 93 F			T		
Dry Bulb	262593548			4191308			56.1			19.118			74656			19.3			122.3			3050.4			1978.3			911.6			30.1					
Wet Bulb	208805279			3738431			50.1			17.003			74647			24.7			1591.6			1800.8			594.3			18.8								
Dew Point	171986391			3295303			44.1			18.847			74647			114.7			2695.5			1070.5			177.5			1.4								

USAFETAC FORM 0 5 (OLA) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMM

74-84

YEARS

PAGE 1

NOTES

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb												
102/101											.0	.0	.0	.0				5	5													
100/99											.0	.0	.0	.0	.3			15	15													
98/97									.0	.0	.0	.0	.0	.0				36	36													
96/95							.0	.0	.0	.0	.0	.0	.0	.0				57	57													
94/93							.0	.0	.1	.1	.0	.0	.0	.0				146	146													
92/91						.0	.0	.1	.1	.1	.0	.0	.0	.0	.0			356	358													
90/89					.0	.0	.1	.2	.2	.1	.1	.0	.0	.0				561	561													
88/87				.0	.0	.2	.3	.3	.2	.1	.1	.0	.0	.0	.0			874	874													
86/85			.0	.0	.2	.3	.3	.3	.2	.1	.1	.0	.0	.0				1241	1241													
84/83		.0	.0	.1	.3	.4	.4	.3	.3	.1	.0	.0	.0	.0				1542	1542													
82/81		.0	.1	.3	.4	.5	.5	.3	.3	.1	.1	.0	.0	.0				1979	1969	84												
80/79		.0	.2	.4	.5	.6	.3	.4	.2	.2	.1	.0	.0	.0				2089	2089	220												
78/77		.1	.3	.6	.7	.5	.4	.3	.2	.1	.0	.0	.0	.0				2340	2340	784												
76/75	.0	.2	.5	.8	.7	.4	.3	.3	.2	.1	.0	.0	.0	.0				2606	2806	1460												
74/73	.0	.5	.8	1.0	.4	.4	.4	.3	.2	.1	.0	.0	.0	.0				3055	3095	2574												
72/71	.1	.6	1.0	.7	.5	.4	.4	.2	.2	.1	.0	.0	.0	.0				3035	3135	3054												
70/69	.1	.7	1.2	.7	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0				3315	3316	3629												
68/67	.1	.5	1.0	.6	.6	.4	.3	.2	.2	.1	.0	.0	.0	.0				2907	2908	3747												
66/65	.0	.5	1.0	.7	.5	.3	.3	.2	.1	.0	.0	.0	.0	.0				2754	2754	3084												
64/63	.0	.7	.9	.7	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0				2751	2751	3267												
62/61	.0	.9	.7	.6	.4	.3	.3	.3	.1	.0	.0	.0	.0	.0				2633	2634	3282												
60/59	.0	.8	.9	.5	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0				2552	2553	3351												
58/57	.1	.8	.8	.4	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0				2474	2425	2910												
56/55	.0	.8	.7	.4	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0				2332	2332	2799												
54/53	.1	.9	.5	.5	.5	.4	.3	.1	.0	.0	.0	.0	.0	.0				2354	2354	2665												
52/51	.0	.6	.7	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0				2166	2166	2334												
50/49	.0	.5	.9	.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0				2123	2123	2267												
48/47	.0	.6	.6	.6	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0				2066	2066	2467												
46/45	.0	.7	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0				2072	2072	2529												
44/43	.0	.7	.9	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0				2189	2189	2537												
42/41	.0	.5	.9	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0				2144	2144	2460												
40/39	.0	.7	1.1	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0				2210	2210	2492												
38/37	.1	.8	1.0	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0				2201	2201	2511												
36/35	.0	.8	1.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0				2035	2035	2367												
Element (X)	Σ X'				Σ X				X̄				e _x				No. Obs.				Mean No. of Hours with Temperature											
Rel. Hum.																					≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F	
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMM

74-83

PAGE 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb														
10/ 9			.6	.0														33	33	5														
3/ 7			.8	.1														48	43	3														
5/ 5			.1															6	6	4														
4/ 3	.1	.1																12	12															
2/ 1	.0	.3																19	19	1														
0/ -1	.1	.1																12	12	2														
-2/ -3		.1																8	8															
-4/ -5		.1																6	6															
-6/ -7																																		
-8/ -9																																		
-10/-11																																		
-12/-13																																		
-14/-15																																		
-16/-17																																		
-18/-19																																		
-20/-21																																		
TOTAL	1.334	.832	.418	.2	8.8	3.3	1.0	.1	.1	.0								5657	5657															

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

USAFETAC

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						$\pm 0^\circ F$	$\pm 32^\circ F$	$\pm 67^\circ F$	$\pm 73^\circ F$	$\pm 80^\circ F$	$\pm 93^\circ F$
Rel. Hum.	27367907	394227	67.9	14.990	5657						
Dry Bulb	8993333	213893	37.8	12.656	5657	3.7	233.9	6.7	1.7		
Wet Bulb	7346811	192605	34.0	11.812	5657	5.7	338.5	9.4			
Dew Point	5413084	156216	27.6	13.941	5657	26.6	504.6				

RELATIVE HUM

PERIOD

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
SEP	00-02	100.0	100.0	100.0	100.0	99.7	95.0	79.9	46.9	17.4	72.6
	03-05	100.0	100.0	100.0	100.0	100.0	97.9	88.0	63.6	17.1	92.4
	06-08	100.0	100.0	100.0	100.0	100.0	98.5	90.1	70.4	22.9	94.0
	09-11	100.0	100.0	100.0	99.1	92.7	74.1	47.8	24.6	6.5	75.2
	12-14	100.0	100.0	99.1	88.4	62.1	34.1	19.6	9.5	0.2	57.1
	15-17	100.0	100.0	98.1	81.7	50.6	26.5	15.2	8.4	2.4	54.1
	18-20	100.0	100.0	99.4	95.8	82.6	62.1	37.6	18.3	4.3	65.7
	21-23	100.0	100.0	100.0	100.0	97.5	86.7	66.6	34.3	0.5	75.3
TOTALS		100.0	100.0	99.6	95.6	65.7	72.1	55.6	34.5	9.9	71.0

USAFETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMI

724243
STATION

FT KNOX/GOLDMAN AAF KY
STATION NAME

75-24

PERIOD

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	
		10%	20%	30%	40%	50%	60%	70%	80%		90%
OCT	00-02	100.0	100.0	100.0	99.5	98.5	88.9	72.2	42.2	20.2	77.8
	03-05	100.0	100.0	100.0	100.0	99.2	90.2	79.6	46.5	22.9	79.9
	06-08	100.0	100.0	100.0	100.0	99.8	96.2	83.7	52.3	23.2	81.1
	09-11	100.0	100.0	100.0	98.4	88.9	68.8	46.5	25.7	10.1	69.5
	12-14	100.0	100.0	96.5	79.5	53.4	32.8	21.0	12.5	5.7	55.9
	15-17	100.0	99.5	93.6	69.3	45.5	30.0	19.1	11.7	5.0	52.5
	18-20	100.0	100.0	99.7	93.8	75.5	52.1	33.3	17.4	7.4	63.6
	21-23	100.0	100.0	100.0	99.5	93.5	77.5	51.3	26.7	10.3	71.7
TOTALS		100.0	99.9	98.7	92.5	81.8	67.4	50.6	29.4	13.0	69.0

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMID

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

75-84

PERIOD

NOV
MO

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
NOV	00-02	100.0	100.0	100.0	97.1	91.3	74.6	48.1	24.4	3.5	69.7
	03-05	100.0	100.0	100.0	98.1	93.9	79.4	53.6	29.8	5.8	71.6
	06-08	100.0	100.0	100.0	98.5	95.5	83.8	61.5	33.5	8.3	73.9
	09-11	100.0	100.0	99.8	96.0	87.6	70.5	44.7	19.3	5.9	68.0
	12-14	100.0	99.7	96.3	78.4	57.6	39.8	23.2	12.6	4.0	56.6
	15-17	100.0	99.5	92.7	71.3	51.9	36.1	22.4	11.5	3.2	54.5
	18-20	100.0	99.9	98.7	91.5	71.2	50.4	31.6	16.1	3.8	62.1
	21-23	100.0	100.0	99.4	96.3	85.4	63.2	42.2	18.2	4.2	66.6
TOTALS		100.0	99.9	98.4	91.0	79.3	62.2	40.9	20.7	4.8	65.4

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIC

74-83

PERIOD

25

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
DEC	00-02	100.0	100.0	100.0	100.0	94.2	70.3	53.7	32.4	6.6	72.0
	03-05	100.0	100.0	100.0	100.0	95.2	82.4	62.2	33.1	5.5	73.5
	06-08	100.0	100.0	100.0	99.9	96.1	94.1	61.5	32.2	5.2	73.8
	09-11	100.0	100.0	100.0	98.6	93.1	76.0	50.1	27.3	6.1	72.9
	12-14	100.0	100.0	99.3	93.6	76.9	51.3	32.2	18.6	3.6	63.3
	15-17	100.0	100.0	98.6	89.0	66.8	44.6	28.9	16.4	4.1	61.5
	18-20	100.0	100.0	100.0	96.3	64.2	58.8	36.2	18.4	5.0	65.4
	21-23	100.0	100.0	100.0	99.7	89.1	69.8	43.8	22.1	3.6	68.7
TOTALS		100.0	100.0	99.8	97.4	87.0	68.2	46.1	25.1	5.4	68.5

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

724240
STATION

FT KNOX/GODMAN AAF KY
STATION NAME

74-84

PERIOD

ALL
MON

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	T N
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.5	96.6	86.4	70.8	45.5	22.5	8.5	68.2	
FEB		100.0	100.0	98.7	93.9	81.2	60.1	38.0	19.2	3.5	65.0	
MAR		100.0	99.7	96.6	87.5	73.4	55.6	35.7	19.4	4.6	62.9	
APR		100.0	99.6	94.1	81.4	65.1	46.9	31.0	15.3	3.1	59.4	
MAY		100.0	100.0	98.2	88.9	75.4	60.6	42.9	20.5	5.4	64.6	
JUN		100.0	100.0	99.8	95.6	84.8	68.4	49.0	27.6	6.1	66.3	
JUL		100.0	100.0	99.9	96.6	85.8	70.9	52.1	26.5	6.3	69.5	
AUG		100.0	100.0	99.7	97.4	89.6	76.4	59.3	36.6	9.3	72.4	
SEP		100.0	100.0	99.6	95.6	85.7	72.1	55.6	34.5	9.9	71.0	
OCT		100.0	99.9	98.7	92.5	81.8	67.4	50.8	29.4	17.0	69.0	
NOV		100.0	99.9	98.4	91.0	79.3	62.2	40.0	20.7	4.8	65.4	
DEC		100.0	100.0	99.8	97.4	87.0	66.2	46.1	25.1	5.4	68.5	
TOTALS		100.0	99.9	98.6	92.9	81.3	65.0	45.6	24.8	6.4	67.1	7

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

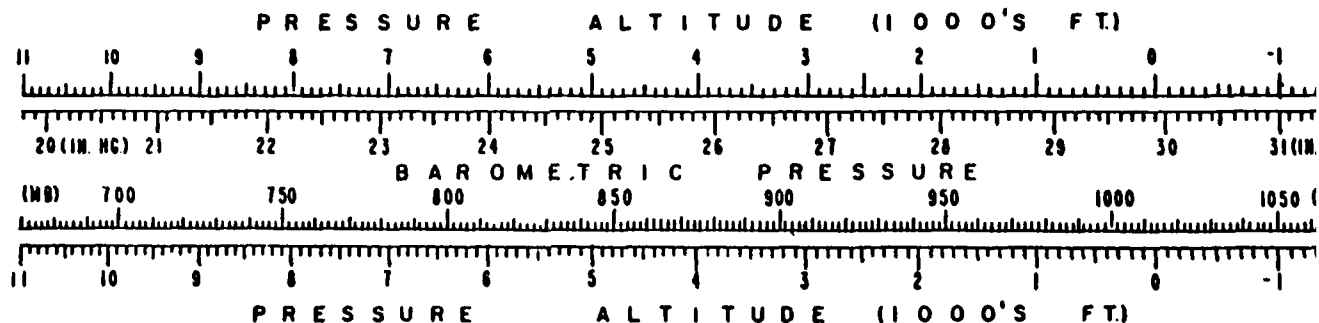
PRESSURE SUMMARY

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 observation 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.



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATION

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

724240 FT KNOX/GOODMAN AAF KY
STATION

74-84

YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN	29.28229	29.20629	29.13429	29.15229	29.15529	29.17629	29.27729	29.23629	29.24729	29.27629	29.27229	29.263	29.2
	S D	.250	.214	.223	.184	.145	.107	.095	.079	.110	.142	.142	.235	.1
	TOTAL OBS	159	144	155	150	157	180	183	186	199	217	207	165	21
4	MEAN	29.25029	29.19429	29.17429	29.14629	29.14029	29.17329	29.19729	29.22629	29.24329	29.27329	29.26929	29.265	29.2
	S D	.251	.215	.228	.189	.145	.109	.099	.082	.110	.145	.149	.243	.1
	TOTAL OBS	203	143	155	150	157	180	190	136	199	224	206	165	21
7	MEAN	29.23629	29.26029	29.16929	29.19429	29.17029	29.27229	29.22429	29.25029	29.26429	29.27929	29.28529	29.274	29.2
	S D	.275	.231	.231	.205	.147	.115	.096	.086	.123	.154	.191	.237	.1
	TOTAL OBS	279	265	293	224	228	284	294	250	279	294	272	267	33
10	MEAN	29.31829	29.26829	29.20229	29.27529	29.18629	29.21429	29.23729	29.26529	29.28729	29.37429	29.31229	29.311	29.2
	S D	.243	.239	.227	.207	.149	.117	.097	.090	.121	.156	.194	.241	.1
	TOTAL OBS	296	291	310	300	300	300	303	310	297	307	290	295	35
13	MEAN	29.29129	29.26829	29.18729	29.19329	29.16829	29.27029	29.22229	29.24929	29.26329	29.27429	29.27729	29.281	29.2
	S D	.240	.239	.218	.198	.144	.112	.095	.086	.117	.153	.191	.235	.1
	TOTAL OBS	296	281	310	300	300	300	303	310	297	308	290	295	35
16	MEAN	29.26629	29.23229	29.14929	29.14929	29.13529	29.16629	29.18929	29.21029	29.22129	29.24129	29.25029	29.259	29.2
	S D	.234	.232	.209	.197	.136	.108	.094	.084	.117	.149	.186	.229	.1
	TOTAL OBS	296	281	310	300	300	300	297	310	297	308	291	295	35
19	MEAN	29.24029	29.24029	29.15229	29.14429	29.12529	29.15729	29.18029	29.20529	29.21829	29.25029	29.26229	29.275	29.2
	S D	.272	.222	.206	.186	.130	.105	.091	.078	.110	.148	.188	.224	.1
	TOTAL OBS	271	256	293	284	288	284	293	281	279	293	273	217	33
22	MEAN	29.28629	29.26129	29.17229	29.16929	29.15229	29.17429	29.27629	29.23229	29.24629	29.27929	29.27229	29.295	29.2
	S D	.239	.219	.207	.190	.136	.100	.089	.077	.110	.141	.188	.229	.1
	TOTAL OBS	264	266	293	278	226	239	251	250	249	264	272	211	30
ALL HOURS	MEAN	29.28729	29.25129	29.16629	29.16929	29.15629	29.18429	29.27929	29.23529	29.24929	29.27229	29.27529	29.278	29.2
	S D	.240	.224	.219	.197	.143	.111	.096	.086	.120	.150	.189	.235	.1
	TOTAL OBS	2100	1927	2119	2146	2040	2067	2104	2113	2090	2215	2101	1910	240

USAF ETAC FORM 0-89-5 (OL A)
OCT 75

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATION

SEA LEVEL PRESSURE IN HBS FROM HOURLY OBSERVATIONS

74240 FT KNOX/GODMAN AAF KY
STATION STATION NAME

74-84

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN 1020.8	1017.6	1014.8	1015.2	1015.0	1015.6	1016.5	1017.6	1018.1	1019.5	1019.7	1019.7	1017
	S D 8.962	7.673	7.976	6.858	5.091	3.723	3.347	2.779	4.109	5.384	6.466	8.572	6.4
	TOTAL OBS 199	144	155	150	157	180	183	186	199	217	207	165	21
4	MEAN 1020.8	1017.1	1014.5	1014.9	1014.8	1015.4	1016.2	1017.2	1018.0	1019.4	1019.5	1019.3	1017
	S D 9.003	7.695	8.135	7.037	5.249	3.815	3.442	2.890	4.171	5.199	6.740	8.737	6.5
	TOTAL OBS 203	143	155	150	157	180	182	186	199	224	206	165	21
7	MEAN 1020.7	1019.7	1016.2	1016.4	1015.6	1016.5	1017.2	1018.1	1018.6	1019.7	1020.1	1020.0	1018
	S D 8.558	8.360	8.219	7.241	5.166	4.036	3.346	3.266	4.371	5.497	6.677	8.499	6.6
	TOTAL OBS 279	265	293	284	286	284	293	280	279	294	272	267	33
10	MEAN 1021.9	1020.6	1017.3	1017.1	1016.2	1016.9	1017.6	1018.6	1019.6	1020.3	1021.0	1021.4	1019
	S D 8.715	8.614	8.083	7.263	5.226	4.174	3.366	3.135	4.297	5.539	6.699	8.643	6.7
	TOTAL OBS 296	281	310	300	300	300	302	310	297	327	290	295	35
17	MEAN 1020.9	1019.9	1016.7	1016.3	1015.5	1016.4	1017.1	1018.0	1018.7	1019.4	1019.5	1020.2	1018
	S D 8.632	8.597	7.782	6.957	5.054	3.929	3.337	3.337	4.168	5.429	6.572	8.418	6.5
	TOTAL OBS 296	281	310	300	300	300	301	310	297	326	290	295	35
15	MEAN 1020.0	1018.6	1015.4	1015.1	1014.3	1015.2	1015.9	1016.7	1017.3	1018.3	1018.9	1019.5	1017
	S D 8.419	8.360	7.461	6.598	4.806	3.808	3.315	3.112	4.168	5.290	6.637	8.213	6.3
	TOTAL OBS 296	281	310	300	300	300	297	310	297	308	291	295	35
10	MEAN 1021.5	1019.2	1015.5	1014.9	1014.0	1014.9	1015.6	1016.6	1017.2	1018.6	1019.3	1020.1	1017
	S D 8.343	8.030	7.362	6.583	4.617	3.770	3.252	2.791	4.211	5.283	6.721	8.769	6.3
	TOTAL OBS 271	266	293	284	256	284	283	281	279	293	273	217	33
12	MEAN 1020.7	1019.7	1016.2	1015.8	1015.0	1015.5	1016.5	1017.5	1018.2	1019.6	1019.7	1020.4	1017
	S D 8.567	7.945	7.423	6.777	4.795	3.537	3.152	2.795	4.129	5.040	6.711	8.710	6.4
	TOTAL OBS 269	266	293	278	226	239	251	250	242	264	272	211	31
ALL HOURS	MEAN 1020.7	1019.3	1016.0	1015.8	1015.1	1015.8	1016.6	1017.6	1018.3	1019.4	1019.8	1020.2	1017
	S D 8.630	8.282	7.809	6.937	5.033	3.905	3.376	3.026	4.272	5.347	6.751	8.419	6.5
	TOTAL OBS 2109	1927	2119	2046	2040	2067	2099	2113	2096	2215	2101	1910	246

USAF ETAC FORM 0-89.5 (OLA)
OCT 75

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